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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*



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Patents expiring: Patent Numbers 1,787,424 to 1,788,364, inclusive, issued January 6, 1931, expire January 6, 1948

Condition of Applications Under Examination at Close of Business Dec. 19, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 151,610; Trade-Mark Division, 25,863. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 4, 1946.)		Oldest new appli- cation and oldest action by appli- cant awaiting office action		Applications awaiting action
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.		Apr. 11	Apr. 4	3,423
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.		Mar. 13	Feb. 11	3,820
3. MARMELESTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus).....		Jan. 31	Sept. 5	1,682
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.		June 13	May 24	3,918
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters.....		Jan. 31	Jan. 19	2,324
6. SURLE, H., Carbon Chemistry (part).....		Feb. 15	Dec. 30	1,791
7. HANLIN, GEORGE, Optics; Photographio Apparatus.....		Mar. 3	Nov. 23	1,795
8. IMUS, A. E., Furniture; Racks and Cabinets.....		Mar. 27	Apr. 12	4,005
9. BENSON, B. B., Pumps and Fans; Fluid and Fluid-Current Motors.....		Apr. 26	Mar. 15	2,354
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators; Piezo-electric Crystals.		Mar. 6	Oct. 31	887
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manu- factures; Nailing and Stapling; Whip Apparatus.		Mar. 21	Mar. 21	832
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Trans- mission with Clutch or Brake.		Sept. 20	June 10	2,020
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning...		Mar. 9	Feb. 14	2,448
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery...		Dec. 19	Oct. 4	1,215
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.....		May 21	Feb. 4	2,090
16. LOVEWELL, N. N., Telegraphy; Telephony.....		Apr. 2	Sept. 12	1,733
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.		July 17	May 9	1,763
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal- Combustion Engines.		Apr. 8	Mar. 25	1,637
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.....		July 29	July 6	1,890
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.		Apr. 19	May 3	2,162
21. MADER, R. C., Textiles.....		Feb. 14	Jan. 2	1,045
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.....		June 20	May 24	1,916
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education.....		Mar. 21	Mar. 9	1,310
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.....		Mar. 3	Mar. 7	1,812
25. BLAKELY, O. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.		June 11	Mar. 14	1,711
26. YOUNG, B. R., Electricity—Generation and Motive Power.....		Oct. 16	Apr. 24	1,624
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.		Sept. 12	July 23	2,901
28. SOLYOM, H. L., Heating, Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons...		Aug. 1	July 11	1,239
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools...		Aug. 6	May 25	2,811
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidi- tats; Heating Systems; Ammunition and Explosive Devices.		Dec. 4	July 11	2,437
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.		Mar. 25	Feb. 17	1,977
32. LESH, KARL E., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Walls; Earth Boring.		Apr. 6	Apr. 1	2,720
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.		Apr. 16	Mar. 5	3,364
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.		May 27	Mar. 1	1,335
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammu- nition and Explosive Charge Making.		July 13	June 14	2,701
36. McFADYEN, A. D., Automatic Welders; Measuring and Testing; Force Measuring.....		Mar. 29	Mar. 10	1,972
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.....		Jan. 18	Aug. 29	1,522
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber.....		Aug. 30	May 6	1,718
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.....		Mar. 7	Jan. 4	2,799
40. DRUMMOND, E. J., Receptacles (part); Packages.....		July 22	May 8	3,081
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.		Mar. 1	Jan. 12	2,551
42. MARANS, H., Electric Signaling; Variable Transformer and Reactor Structure; Electricity, Voltage Mag- nitude and Phase Control Systems.		Sept. 21	Oct. 10	893
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.		Mar. 26	Feb. 12	1,336
44. HARVEY, L. P., Refrigeration; Preserving.....		Mar. 7	Feb. 1	1,264
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.		Apr. 9	Feb. 28	2,096
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Exting- uishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.		May 7	May 15	1,824

NOTE.—The dates given are 1946 except where † indicates 1947.

Condition of Applications Under Examination—Continued

(Total number of applications awaiting action, excluding Trade-Mark Division, 151,610; Trade-Mark Division, 25,863. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 4, 1946.)		Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes.....	Dec. 4	Sept. 25	2,015	
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters.....	May 9	Apr. 27	1,695	
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.....	Aug. 5	June 12	1,609	
50. LEVIN, SAMUEL, Synthetic Resins.....	Jan. 18	Sept. 18	2,405	
51. FRIEDMAN, M. H., Radiant Energy (part, e. g. Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.....	Oct. 23	June 29	1,990	
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.....	Sept. 28	July 3	3,702	
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter; Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.....	Apr. 12	Mar. 6	3,477	
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.....	Dec. 5	Oct. 12	1,969	
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet.....	Mar. 28	Apr. 5	1,847	
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing.....	Mar. 3	Jan. 22	1,181	
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.....	Apr. 15	Apr. 2	3,484	
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.....	Dec. 7	June 24	1,427	
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).....	Apr. 30	Apr. 12	2,053	
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.....	Oct. 30	Sept. 19	1,528	
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.....	May 2	Mar. 23	3,139	
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors.....	July 1	May 15	1,604	
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.....	Jan. 13	Nov. 29	1,602	
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous.....	Apr. 9	Apr. 8	1,807	
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors.....	Jan. 23	Oct. 2	1,324	
66. LISANN, I., Geometrical Instruments.....	Feb. 23	Jan. 8	2,241	
67. KRAFFT, O. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation.....	May 7	Mar. 7	2,157	
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control.....	Dec. 6	Aug. 5	1,623	
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters.....	Apr. 18	Feb. 20	1,169	
TRADE-MARKS: MERCHANT, J. H.....	July 1	July 10	25,863	
DESIGNS: BREHM, G. L.....	June 5	June 24	8,183	

NOTE.—The dates given are 1946 except where † indicates 1947.

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

ALPINE MACGREGOR

v.

WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY

No. 28. Decided January 6, 1947

[329 U. S. 402; 72 USPQ 21]

1. PATENTS—LICENSE—PRICE FIXING AGREEMENTS.

The agreement to fix prices, if unlawful at all, was so whether it was executed or not.

2. SAME—SAME—SAME—ESTOPPEL TO DENY VALIDITY.

Where State supreme court held that licensee was estopped to deny validity of patent in license agreement containing price-fixing clause, on the ground that the royalty agreement was severable from the covenant to sell at fixed prices, interpreting *Sola Electric Co. v. Jefferson Electric Co.*, 317 U. S. 173, Held that the covenant to pay royalties was not severable from the covenant to sell at fixed prices, and that, since the licensee invoked Federal law to sustain his challenge to the validity of the patent, the alleged misuse of the patent, and the price-fixing covenant, his contentions raised Federal questions not governed by State estoppel or contract severability rules.

3. SAME—SAME—SAME—SAME.

Held as a matter of Federal law that the State supreme court was wrong in affirming the judgment in this cause on the ground that the licensee was estopped to offer proof of his allegation of patent invalidity; therefore cause remanded for a new trial to determine the validity of licensor's patent.

ON WRIT of certiorari to the Supreme Court of the State of Pennsylvania.

REVERSED AND REMANDED.

William B. Jaspert for MacGregor.

Jo. Bailly Brown for Westinghouse.

George T. Washington, Wendell Berge, Charles H. Weston, Robert G. Seaks and Philip Marcus filed brief on behalf of the United States as amicus curiae.

Mr. Justice BLACK delivered the opinion of the Court.

This case, like that of *Edward Katsinger Co. v. Chicago Metallic Mfg. Co.*, Nos. 70, 71, this day decided, involves the right of a patent licensee to defend a suit for royalties only under a licensing agreement which contains a price-fixing provision. Certain subsidiary questions are also raised.

Westinghouse Electric & Manufacturing Company owned Jones' Patent No. 1,651,709. The invention claimed was a brazing "solder comprising copper and phosphorus as the main and essential constituents." Westinghouse sued MacGregor for infringement. The litigation was settled, and Mac-

Gregor took a license from Westinghouse authorizing MacGregor to make, use, and sell solder containing the constituents described in Westinghouse's patent claim. MacGregor agreed to pay 10% royalties on the net selling price of the solder. Sections 5 and 6 of the license agreement, set out below,¹ required MacGregor to sell the solder for no less than the price Westinghouse charged its own customers. MacGregor paid royalties on solder he made and sold which contained only phosphorus and copper. Later he began to make and sell solders composed of phosphorus, copper, and tin, or phosphorus, copper, and silver. For a time he paid royalties on these. But he also applied for and obtained patents on these two latter solders which added tin and silver respectively to the phosphorus-copper combination.² MacGregor then declined to pay royalties on these solders on the ground that they were not covered by Westinghouse's patent. Westinghouse brought this suit for an accounting and payment of unpaid royalties in a Pennsylvania State court. MacGregor filed an answer denying liability and a counterclaim. His answer asserted that the solders which were described in his patents were not covered by Westinghouse's patent. He alleged that the effort of Westinghouse to make him pay royalties on these solders constituted an unlawful exercise of Westinghouse's patent monopoly and that Westinghouse should not be allowed to recover in the courts for this reason. In a counterclaim, he maintained that by inadvertence and mistake he had paid royalties on solders covered by his own patents.

¹"5. Westinghouse grants this license on the express condition that the prices, terms and conditions of sale for use or sale in the United States of America, its territories and possessions of brazing solders embodying the invention covered by said Letters Patent and so long as such brazing solders continue to be covered by said patent, shall be no more favorable to the customer than those which from time to time Westinghouse establishes and maintains for its own sales of similar or competing brazing solders under such patent to such or other similarly situated customer purchasing in like quantities. MacGregor shall be notified of all such prices, terms and conditions of sale fixed by Westinghouse.

"The prices, terms and conditions of sale of Westinghouse may be changed by Westinghouse from time to time, notice being given MacGregor, but not less than five days' notice shall be given before any such change shall go into effect.

"6. It is agreed that it shall be regarded as an evasion of this agreement amounting to a breach thereof for MacGregor to reduce Westinghouse's sale price or alter Westinghouse's selling terms and conditions of sale directly or indirectly either through its own organization, its agents or others by any device, subterfuge or evasion or by any means whatever or to make the prices lower or the terms or conditions more favorable than those set forth by Westinghouse."

²Copper, phosphorus and tin solder is Patent No. 2,125,680; copper, phosphorus and silver solder is Patent No. 2,162,627.

He charged that if the Westinghouse patent should be construed to cover these latter solders, it was invalid. He further contended that the price-fixing provision was a violation of the Sherman Act and the Clayton Act and constituted an unlawful use of Westinghouse's patent monopoly which rendered the whole license agreement illegal.¹ In his counterclaim MacGregor asked not only for judgment for refund of the royalties alleged to have been inadvertently paid, but also for damages on account of the illegal restraint imposed upon him by the agreement.

The State trial court declined to consider the validity of the patent, holding that it was presumed to be valid, and that MacGregor as a licensee had no right to challenge it. Assuming the patent and all the claims in it to be valid on this theory, the State court found the claims broad enough in scope to cover all the solders manufactured and sold by MacGregor. The trial court did not give a like presumption to the validity of the patents issued to MacGregor, but held that the solders covered by those patents infringed the presumptively valid patents of Westinghouse.² The State supreme court affirmed. 350 Pa. 333. [2] It agreed with the trial court that MacGregor was estopped to attack the validity of Westinghouse's patent. It recognized that there could be no estoppel in the present case under our decision in *Sola Electric Co. v. Jefferson Electric Co.*, 317 U. S. 173, 547 O. G. 3, but for its interpretation of the Sola decision as applying only to suits in which the licensee sought affirmative relief to enforce compliance with the price-fixing provision. Since no such relief was asked in this case, the State supreme court felt that there was no existing controversy which involved the price-fixing provision—that the questions of their effect and validity were "moot." Thus it assumed, as did the petitioner in *Katzinger v. Chicago Metallic Mfg. Co.*, supra, that a royalty agreement was severable from price-fixing covenants. For the reasons stated in today's Katzinger opinion we hold that the covenant to pay royalties was not severable from the covenant to sell at fixed prices. Since MacGregor invoked Federal law to sustain his challenge to the validity of the patent, the alleged misuse of the patent, and the price-fixing covenant, his contentions

[1] "The agreement to fix prices, if unlawful at all, was so whether it was executed or not." *U. S. v. Socony Vacuum*, 310 U. S. 150; *U. S. v. American Tobacco Co.*, 328 U. S. —. But this agreement by MacGregor to sell at fixed prices was no mere token, for the trial court found that on July 11, 1940, Westinghouse called MacGregor's attention to his obligation to observe user and distributor prices, and that on October 23, 1940, Westinghouse, through one of its attorneys, wrote MacGregor's attorney that "if MacGregor sells direct to the user, he should conform to the user prices established, and when he sells direct to the dealer, he should conform to the dealer prices established." The oral testimony of Westinghouse's representatives construed the contract as requiring MacGregor to maintain the prices. Moreover, the record before us shows that MacGregor positively testified that he had maintained the Westinghouse prices on the copper-phosphorus combination because he considered himself bound to do so under the license contract.

"Since the case is to be remanded for trial of the validity of the patent, we find it unnecessary to consider the propriety in any event of indulging a presumption of validity in favor of Westinghouse's patent without giving a presumption of a patentable difference to those of MacGregor. See *Miller v. Eagle Manufacturing Co.*, 151 U. S. 186, 208.

raised Federal questions not governed by State estoppel or contract severability rules. *Sola Electric Co. v. Jefferson Electric Co.*, supra, 176-177; *Scott Paper Co. v. Marcalus Co.*, 326 U. S. 249. [3] Accordingly, we hold as a matter of Federal law that the State supreme court was wrong in affirming the judgment in this cause on the ground that the licensee, MacGregor, was estopped to offer proof of his allegation of invalidity. This error will require, as the State court anticipated, that the cause be remanded for a new trial to determine the validity of Westinghouse's patent. For we do not think that the present state of this record justifies acceptance of MacGregor's contention that we should now pass on validity of the patent. If it be determined on remand that the patent is invalid, there is no question but that, as MacGregor contends, the price-fixing agreement violates the anti-trust laws. *Katzinger v. Chicago Metallic Co.*, supra; *Sola Electric Co. v. Jefferson Electric Co.*, supra, at 175; *Scott Paper Co. v. Marcalus*, supra.

But there are alternative Federal questions raised here by MacGregor upon which decision might turn even though Westinghouse's patent be held valid. MacGregor pleaded that the price-fixing agreement so effectively wiped out all competition to Westinghouse in the manufacture and sale of these solders that the whole license contract should be held illegal as a violation of the Sherman and Clayton Acts. MacGregor also contended that the license contract should be held unenforceable in the courts on the ground that Westinghouse had attempted to use it to extend the patent's scope beyond its lawful coverage. But since the cause must again be tried in the State court we shall not pass on either of these contentions at this time.

The judgment is reversed and the case remanded to the Supreme Court of Pennsylvania for proceedings not inconsistent with this opinion.

REVERSED AND REMANDED.

Mr. Justice FRANKFURTER, with whom concur Mr. Justice REED, Mr. Justice JACKSON and Mr. Justice BURTON (dissenting):

The Court deems the issues in these cases to be controlled by our decision in *Sola Electric Co. v. Jefferson Co.*, 317 U. S. 173, 547 O. G. 3. Such is not my understanding of the Sola decision. These cases cannot be properly decided, I believe, without consideration of one of the oldest doctrines of the patent law, namely, that a licensee cannot challenge the validity of the patent though everyone else may.

(1) Ninety years ago this Court unanimously announced the doctrine that a licensee under a patent is estopped from challenging the validity of that patent. *Kinsman v. Parkhurst*, 18 How. 289. The case may perhaps be explained, or even explained away. But the rule it expressed had become so much part of our law that fifty years later the Court deemed it unnecessary to discuss it and unanimously applied it even against the United States as licensee. *United States v. Harvey Steel Co.*, 196 U. S. 310. It is significant that the licensee in that case, while vigorously contesting its liability upon the

particular facts, conceded that the doctrine of estoppel was law "as a general proposition."

(2) Before those cases and since, in all English-speaking jurisdictions, in the courts of England, of the Dominions and of the various States, as well as in the lower Federal courts, where most patent litigation originates and stops, a weighty body of cases affirmed and applied that doctrine with rare unanimity.¹ This Court has never questioned the rule.² The principle has withstood judicial scrutiny for nearly a century.

(3) Nor has the operation of the rule revealed inroads upon the public interest so as to stir efforts for its abrogation or restriction by Congress. Patent policy has been frequently reconsidered, and some rules formulated by courts were eliminated or modified. Yet in none of the four major patent statutes nor in any of the other numerous amendatory enactments was attempt made to abolish or limit estoppel in favor of the licensor.³ The Patent Office, charged by Congress with supervision of the patent system and the source of many suggestions enacted into law, has never included among its proposals recommendation to alter that doctrine.

(4) Not until 1942, apparently, was legislative correction invoked, and even then only partially. Several bills were introduced to permit contest of the validity of a patent in anti-trust suits. See S. 2730, Aug. 20, 1942; H. R. 7713, Oct. 15, 1942; H. R. 109, Jan. 6, 1943; H. R. 1371, Jan. 20, 1943. Only in the latest bills to be introduced is it proposed that "In any proceeding involving a violation of the anti-trust laws or involving a patent or any interest therein, a party shall be entitled to show the invalidity or the limited scope of any patent or patent rights involved." H. R. 3874, Dec. 18, 1943; H. R. 97, Jan. 3, 1945; H. R. 3462, June 13, 1945; S. 2482, July 26, 1946. Not one of these bills has yet reached the floor of Congress.

(5) If ever a doctrine has established itself as part of our law to be respected by the judiciary this is it. If it is to be changed, Congress is there to change it. Perhaps Congress will see fit to re-examine the doctrine in all its ramifications in the light of its history and the experience under it, and with due regard to all factors relevant to our patent system. We cannot do that. We can only adhere to the doctrine or overrule it. Until Congress does undo a principle so embedded in our law, we should leave it where we find it.

(6) But in any event, if we are to wipe out so settled a phase of our law it should be done explicitly, not cryptically. In my judgment the Sola deci-

¹ The early cases are collected in 14 Ann. Cas. 1184. Note also the unanimity among the authors of treatises. Amdur, Patent Law and Practice 598; Ellis, Patent Assignments and Licenses § 692 et seq.; 2 Frost, Patent Law and Practice 201; Moulton, Patents 244; Rivise and Caesar, Patentability and Validity § 10; 2 Robinson, Patents § 820; 2 Walker, Patents (Deller's ed.) § 383. And see the cases cited, especially in Walker, Patents, supra.

² Cf. *Eureka Company v. Bailey Company*, 11 Wall. 488, 492; *Hollies Bicycle Company v. Farrow*, 199 U. S. 581, 587.

³ See Patent Act of 1790, 1 Stat. 109; Patent Act of 1793, 1 Stat. 318; Patent Act of 1836, 5 Stat. 117; Patent Act of 1870, 16 Stat. 198. See also the subsequent minor enactments, summarized, J. Pat. Off. Soc., July 1936, pp. 103-22. And see 1 Walker, Patents (Deller's ed.) appendix.

sion does not give adequate support for the Court's opinion. The cases before us necessarily involve the estoppel doctrine and cannot be disposed of without appearing to overrule a settled course of decision.

(7) No doubt the Sola case, like these two, arose out of a claim for royalties under a patent license. But that there was a claim for royalties was hardly mentioned in the Court's opinion in the Sola case. The sole issue to which our attention was directed was a prayer that the licensee be enjoined from breach of his promise to abide by the prices fixed by the licensor for the sale of articles manufactured under the patent. Ever since the decision in *Dr. Miles Medical Co. v. Park & Sons Co.*, 220 U. S. 373, this Court, as a matter of judicial policy reflected in legislation, has denied enforcement of agreements not to sell goods below a fixed price. And so this Court has been on the alert not to allow an exception to what is a congressional as well as a judicial policy unless the basis for it is clean and clear.

The precise issue which we decided in the Sola case is not a matter for inference or conjecture. It was explicitly defined and delimited. "The question for our decision," the late Chief Justice wrote, "is whether a patent licensee, by virtue of his license agreement, is estopped to challenge a price-fixing clause in the agreement by showing that the patent is invalid, and that the price restriction is accordingly unlawful because not protected by the patent monopoly." 317 U. S. at 173. That was the issue in the Sola case. It was not whether a licensee may challenge the validity of a patent when sued for royalties. It was not whether a provision for price-fixing undermined rights under estoppel against a licensee. It was whether the licensor could show the special dispensation pertaining to the holder of a valid patent, which entitles him to fix the price of a commodity manufactured under his patent, although such a pricing agreement would be unenforceable in the generality of cases. What was sought and what was denied in Sola was the active benefit of a price-fixing clause.

(8) In the cases before us price-fixing is not in issue.⁴ We are not asked to allow the licensor to have the benefit of a practice available only under a valid patent. To grant relief here will not, unlike the Sola case, approve a practice prima facie in-

⁴ "In the instant case the court has not been requested either directly or indirectly to require MacGregor to maintain Westinghouse prices. By his own testimony he has not maintained them. The price-fixing clause is not in issue. It is raised merely as a defense to a suit for accounting and payment of accrued royalties." Discussion of findings by trial court in the MacGregor case.

As to the Katzinger case the district court opinion found that "no price fixing by the respondent has been proved by the petitioner. . . . At no time did the respondent attempt to carry it out and the respondent was at all times willing to have same removed from the contract." Further, a specific finding of fact was that "Respondent was always willing to eliminate the price-fixing provisions of the license agreement, and these provisions terminated ipso facto upon termination of the license by petitioner." It was on the basis of the facts so found by the district court that the circuit court of appeals held, when the estoppel issue was before it, that the mere presence of a price-fixing clause in the licensing agreement, whatever its setting and however inoperative, precluded estoppel against the licensee. 139 F.2d 291. With the estoppel issue thus eliminated, the case was returned to the district court to pass on the validity of the patent. Inasmuch as the circuit court of appeals had found that the district

restraint of trade. What we here have to decide is whether we shall allow the licensee to repudiate an agreement for the payment of money made in an arm's length transaction. For nearly a hundred years this Court has uniformly answered that question by using the legal shorthand of estoppel.

(9) But if all the cases which have recognized and applied the doctrine of estoppel have been reduced, as apparently they have been, to derelicts, they should not be allowed to remain as obstructions on the stream of law. And not merely out of regard for the proper administration of law. The matter has practical consequences for all whose concern is patents. It is not questioned that a price-fixing clause in a license to manufacture under a valid patent falls outside the interdict of the anti-trust acts. *Bement v. National Harrow Co.*, 186 U. S. 70, 101 O. G. 887. The power to fix the price of patented articles is part of the patent grant. It is a mode of maintaining the integrity of a patent and as such is sanctioned by public policy. All that the Sola case held, and the only thing it held, was that a valid patent is indispensable to this right to fix prices.

But whether an inventor has a valid patent is a matter of increasing uncertainty. Hitherto, under the estoppel doctrine, a patentee could be assured that he would not have to litigate the validity of his patent with those to whom he grants license rights under it. Under the present decision, he cannot have this assurance of freedom from litigation if, under reasonable belief that he has a valid patent, he inserts a price-fixing clause in the license, even though afterwards he merely asks for royalties.

What matters is not merely that a patentee must now choose between two safeguards of his patent grant. In the Sola case the licensor asked for the enforcement of a pricing agreement. Here the price-fixing agreement is not brought into question and the patentee stands on his estoppel. This important difference is disregarded, the Sola case is deemed controlling, and the estoppel is left to fend for itself as a legal stray. By its silence, as by its reasoning in applying the Sola case, the decision will engender natural doubts as to the continuing validity of the estoppel doctrine even in those cases where no pricing agreement had ever existed. The result is that all future arrangements between licensor and li-

censee are overhung by a cloud of doubt as to what one who believes that he holds a valid patent should do in granting licenses under it.

If he insists on a price agreement to help maintain the integrity of his business, he runs the risk of losing his royalties since the mere existence of the price-fixing clause (which is all we have here) may find him entirely in the cold if it should turn out that the patent is not sustained. So long as the estoppel doctrine as such stands unrejected, the patentee may, therefore, prefer to forgo price-fixing and be satisfied with the bird in the hand in reliance on estoppel. But the upshot of the present decision is that the Court creates an unfair uncertainty as to the continued vitality of the historic estoppel doctrine. The result is that the patentee who forgoes his right to maintain prices in order to make certain that he can at least collect his patent royalties without the cost and uncertainty of litigation, may find himself caught in the optimism of his belief as to the vitality of the estoppel doctrine unembarrassed by any price-fixing provision. For he may have given up what he might otherwise assert as a patentee to make sure that he can in any event have what estoppel would give him. It would seem fair to pronounce now that the doctrine of estoppel has or has not survived so that those who deem themselves holders of patent rights might not suffer because they assumed that the Court would preserve that which by no intimation it purports to jettison.

(10) The problem before the Court can be treated as though it was the same as that in the Sola case only if a distinction with a difference makes no difference. It is one thing to refuse to enforce a contract restraining trade by price fixing unless positive justification is shown in the form of a valid patent. It is quite another to use the excuse of an inoperative price-fixing clause to allow a licensee to escape his otherwise valid promise to pay royalties.* Nowhere in the Sola case did the Court intimate that the decision rested upon the importance to the public economy of allowing challenge to the validity of a patent by those particular members of the public who in a fair bargain had agreed not to do so. In fact, the doctrine of estoppel, flowing from *Kinsman v. Parkhurst* and applied in *United States v. Harvey Steel Co.*, was explicitly noted only to be put to one

court had erred in its decree enforcing estoppel, the previous findings regarding estoppel became irrelevant and fell with the reversed decree. These findings, however, did not cease to be part of the record before the circuit court of appeals on the first appeal. It is that decision, with the record on which it is based, that is now before us. If the circuit court of appeals had enforced estoppel, the decree of the district court and the findings on which it is based would not have been vacated. The findings that were before the circuit court of appeals on the first appeal are now before us on review of that court's decision.

The license agreement provided for royalties based on a percentage of the net sales. The amount of the net sales was not fixed by agreement except insofar as certain scheduled articles call for a minimum price. The record does not show the prices at which the sales were made. Not only that, the claim of the licensee was that the articles for which royalties were claimed were outside the license. Plainly such articles were not included on the minimum price schedule and could not have been sold according to the scheduled price list. The claim for royalties, therefore, was not a claim for royalties at fixed prices.

*Upon full consideration the principle of the Bement case was reaffirmed and applied in *United States v. General Electric Co.*, 272 U. S. 476. The latter case in turn was cited with approval in *Carbice Corp. v. American Patents Corp.*, 283 U. S. 27, 31. It is relevant to note that Mr. Justice Brandeis joined in the General Electric opinion and himself wrote the Carbice opinion. No member of this Court has been more resourcefully alert to protect the public interest from undue extension of the patent monopoly while at the same time observing the rights which Congress has seen fit to confer by the patent grant.

The considerations that determine the granting of a license on payment of royalties are distinct from those that underlie an additional clause for price-fixing. They are not interdependent in fact and were not so treated by the parties; no artificial notion regarding consideration requires that they be treated as interdependent. On lesser considerations of policy than have guided the course of patent law, this Court has refused to treat separate provisions of a contract as integrated. See *Philadelphia, Wilmington & Baltimore Railroad Co. v. Howard*, 13 How. 307, 339; *Pollak v. Brush Electric Association*, 128 U. S. 446, 455.

side because "here a different question is presented." 317 U. S. at 175. It was again put aside in *Alvater v. Freeman*, 319 U. S. 359, 384, 536 O. G. 523. The question which those cases did not have to meet

¹ *Scott Paper Co. v. Marcellus Co.*, 326 U. S. 249, went on the ground that an earlier expired patent had put the device in question into the public domain.

should now be met otherwise than by disregard. The Court's essential reasoning would apply equally where the license never attempted to fix prices. If a doctrine that was vital law for more than ninety years will be found to have now been deprived of life, we ought at least to give it decent public burial.

NOTICES

Examination

In accordance with the provisions of Rule 17 of the Rules of Practice, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Tuesday, March 16, 1948.

This examination will be given under the direction of the Civil Service Commission, and may be taken in any of the cities of the country in which the Civil Service Commission regularly conducts examinations. Applications to take the examination must be directed to the Commissioner of Patents and filed in the Patent Office not later than February 17, 1948.

Application blanks may be obtained from the Clerk of the Committee on Enrollment, Room 3717, Department of Commerce Building.

THOMAS F. MURPHY,
Chairman, Committee on Enrollment.

December 8, 1947.

Adjudicated Patent

(D. C. Wis.) Smith et al. patent, No. 2,214,824, for an ironing pad, Held valid and not infringed. *Sunkite Mfg. Co. v. Clarvan Corp.*, 73 F. Supp. 938, 75 USPQ 269.

Disclaimers

2,167,259.—George Wintritz, Staten Island, N. Y., and Frederick Ulrich, Bayonne, N. J. COUNTER. Patent dated July 25, 1939. Disclaimer filed Dec. 5, 1947, by the assignee, *Conmar Products Corporation*.

Hereby enters disclaimer to claims 1, 7, and 8 of said patent.

2,302,084.—George Wintritz, Staten Island, N. Y. MANUFACTURE OF SLIDE FASTENERS. Patent dated Nov. 17, 1942. Disclaimer filed Dec. 5, 1947, by assignee, *Conmar Products Corporation*.

Hereby enters disclaimer to claim 23 of said patent.

2,400,569.—Harold L. Norway, Evanston, Ill. GAS DISPENSING DEVICE. Patent dated May 21, 1946. Disclaimer filed Dec. 11, 1947, by the assignee, *The Bastian-Blessing Company*.

Hereby enters disclaimer to claim 15, except when the regulator receives heat from liquid present in the tank.

2,403,978.—Kenneth O. D. Hickman and Edmond S. Perry, Rochester, N. Y. VACUUM DISTILLATION APPARATUS. Patent dated July 16, 1946. Disclaimer filed Nov. 12, 1947, by the assignee, *Distillation Products, Inc.*

Hereby enters disclaimer to claims 1 and 2 of said patent.

2,410,503.—Ellsworth T. Johnson, Moline, Ill. SAFETY SHIELD. Patent dated Nov. 5, 1946. Disclaimer filed Nov. 19, 1947, by the assignee, *Deere & Company*.

Hereby enters disclaimer to claim 1 of said patent.

2,429,581.—Harry D. Mattien, Long Beach, Calif. CLEANING ROD FOR WELDING TORCHES. Patent dated Oct. 21, 1947. Disclaimer filed Dec. 8, 1947, by assignee, *Mattien & Benson, Inc.*

Hereby enters disclaimer of any combination of the recited elements in claims 1 and 2 having "ridges" of unequal diameter and further disclaims any and all cleaners as described in said claims which do not have "ridges" substantially uniformly "raised" "on" or "above" the "rod in a plane perpendicular to the axis of said rod."

Cancellation Notices

Emanuel M. Rosensweig, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Sunset Incorporated, 372 West Ontario St., Chicago 10, Ill., to effect the cancellation of trade-mark registration of Emanuel M. Rosensweig, No. 314,427, dated June 26, 1934. The assignment records of this Office show a transfer of title to this registration to Washington Wholesale Liquor Corporation, a corporation, Washington, D. C., which has been substituted for said Rosensweig to defend the registration concerned. The notice of such proceeding sent by registered mail to Washington Wholesale Liquor Corporation at 1119 21st St., N. W., Washington, D. C., having been returned by the post office undeliverable, notice is hereby given that unless Washington Wholesale Liquor Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 8, 1947.

Herman J. Hirsch, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John D. Hamilton, 617 East 25th St., Tacoma, Wash., to effect the cancellation of trade-mark registration of Herman J. Hirsch, 288 East Water St., Milwaukee, Wis., No. 270,984, dated May 20, 1930, and the notice of such proceeding sent by registered mail to the said Hirsch at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hirsch, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 18, 1947.

Griet & Cia, their assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Julius Guckenheimer, 475 Fifth Ave., New York, N. Y., to effect the cancellation of trade-mark registration of Griet & Cia, calle Girardot 1636, Buenos Aires, Argentina, No. 427,611, dated February 11, 1947, and the Patent Office having been unable to obtain service upon the said Griet & Cia, notice is hereby given that unless the said Griet & Cia, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 19, 1947.

Interference Notices

The Marne Hat Manufacturing Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Victor H. Levy, 718 S. Broadway, Los Angeles 14, Calif., for registration of a trade-mark and trade-mark registered November 18, 1928, No. 249,466, to The Marne Hat Manufacturing Company, 35-39 Commercial St., Newark, N. J., and the notice of such declaration sent by registered mail to the said The Marne Hat Manufacturing Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Marne Hat Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the inference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,

Assistant Commissioner of Patents.

December 8, 1947.

Products, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Berkeley Wood Products Co., 2238 San Pablo Ave., Berkeley, Calif., for registration of a trade-mark and trade-mark registered June 24, 1941, No. 388,399, to Products, Inc., 612 Denver Theatre Building, Denver, Colo., and the notice of such declaration sent by registered mail to the said Products, Inc. at the said address having been returned by the post office undeliverable, notice is hereby given that unless Products, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,

Assistant Commissioner of Patents.

December 18, 1947.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

By an instrument recorded in the United States Patent Office on Nov. 4, 1947, the American Chemical Paint Co., Ambler, Pa., has granted to the Government and the People of the United States of America an irrevocable, royalty-free right and license to use the methods and to make and use, but not to sell, the compositions of the following United States Patents relating to "Methods and Compositions for Killing Weeds" and any division, continuation, continuation-in-part, or reissue thereof. The term "People" is to be understood to include sole individuals, firms, corporations, and other business associations and institutions (whether for profit or not).

The American Chemical Paint Co. will, upon request, grant a license on a royalty basis to any responsible party desiring to manufacture and sell the patented compositions of these four patents. Royalty terms are on file with the Register.

Pat. 2,390,941. METHODS AND COMPOSITIONS FOR KILLING WEEDS. Patented Dec. 11, 1945. Group 28—38—81. Reg. No. 8,981.

Pat. 2,394,916. METHODS AND COMPOSITIONS FOR KILLING WEEDS. Patented Feb. 12, 1946. Group 28—33—81. Reg. No. 8,982.

Pat. 2,396,513. METHODS AND COMPOSITIONS FOR KILLING WEEDS. Patented Mar. 12, 1946. Group 28—33—81. Reg. No. 8,983.

Pat. 2,412,510. METHODS AND COMPOSITIONS FOR KILLING WEEDS. Patented Dec. 10, 1946. Group 28—33—81. Reg. No. 8,984.

These four patents provide methods and compositions for permanently killing the roots and tops of such weeds as poison ivy, wild garlic, bindweed, etc. Numerous compositions are set forth in detail in the patents, one example of which is a solution containing trichloro-phenoxyacetic acid, water, and a wetting, dispersing, and emulsifying agent. The trichloro-phenoxyacetic acid comprises at least .04% of the solution by weight. The compositions may be applied in several ways, the most advantageous and preferred way being by spraying the leaves of the weeds. The compositions penetrate the conducting tissue of the weeds and follow the normal path from the leaves

to the roots. The compositions have an accumulative effect on plants so that by spraying half-strength solutions on two occasions, two or three weeks apart, the weed will be killed. It is claimed that these compositions are more effective than those previously used; they may be applied to wide areas at relatively small expense; and will not render the soil sterile. The compositions may be safely handled and are not harmful to human beings or animals.

Pat. 2,013,733. WINDING REEL FOR CABLES. Patented Sept. 10, 1935. An automatic spring-winding reel adapted to take up slack in cords of plugged-in electric appliances to eliminate tangling. The reel is contained within a casing and turns on a bearing sleeve by means of a helical spring, allowing the cord to be extended or taken up as the iron, for instance, is moved back and forth, or to be set for a predetermined extension. One opening in the casing receives the plug-in end of the cord, another opening guides the cord of the appliance. A spring clip permits the casing to be detachably fastened to the edge of a table or other suitable support. (Owner) Claude M. Murphy, R. R. 1, Elk, Wash. Groups 35—69; 36—21. Reg. No. 8,985.

Pat. 2,427,696. WELDING MACHINE. Patented Sept. 23, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) This invention relates to a carriage for a welding machine which can be used with or without tracks and spaced as desired from the work. A carriage, mounted on four motor-driven wheels, carries a casing which supports the welding head. An elongated member has attached to it a guide arm mounted on rollers and pivotally attached to the casing by links. On the right side of casing are two casters so mounted that they may be held horizontally in inoperative position or vertically in operative position. In operation, the device is placed on the deck, the casters placed in operative position, raising the two wheels on one side of carriage off the deck, and the guide arm set at an angle to cause the device to move toward the work.

By use of casters, instead of all four wheels, the device can be turned around curves and corners. On tracks, casters are moved to inoperative position. (Owner) Louis Trombetta, 3667 Paulding Ave., Bronx 67, N. Y. Groups 35—42; 36—19. Reg. No. 8,986.

Pat. 2,425,547. GARMENT HANGER. Patented Aug. 12, 1947. A metallic or plastic coat hanger, made of hollow tubing for holding moth-proofing materials. Openings are provided in tubing wall through which the moth-proofing vapors escape to the garment. The hanger is sloping T-shaped and has an attached hook for hanging on a rod. It may be used alone as a coat hanger or may have a straight tubular skirt or trouser bar inserted between and frictionally engaging the two ends so that the tubular passage for moth-proofing material is made continuous. When skirt or trouser support is removed, ends of the tubular passage are closed with fitted plugs. (Owner) Mrs. Hazel Marie Lipsitz, 5036 Sheridan Rd., Chicago 40, Ill. Groups 33—73; 39—81; 40. Reg. No. 8,987.

Pat. 2,264,664. YARN HOLDER. Patented Dec. 2, 1941. A single sheet of transparent material, such as Celluloid, is rolled to form a cylindrical holder long enough to accommodate knitting needles. It is carried horizontally by a handle of woven cords fastened at each end of cylinder. Discs fit into ends of holder. A cord laces edges of the cylindrical holder together and, at each end, fastens into an aperture in the disc, to form a hinge enabling the end to be swung open for insertion of yarn balls. Each disc is held in place by a cord tied at the top to the cylinder. Along upper side of the cylinder are holes through which the ends of yarn are pulled. (Owner) Mrs. Hazel Marie Lipsitz, 5036 Sheridan Rd., Chicago 40, Ill. Groups 39—81; 40. Reg. No. 8,988.

Pat. 2,389,468. FASTENER FOR DUCT FORMS AND THE LIKE. Patented Nov. 20, 1945. Groups 33—73; 34—95. Reg. No. 8,989.

Pat. 2,396,930. FASTENER FOR PAPER FORMS AND THE LIKE. Patented Mar. 5, 1946. Groups 33—73; 34—95. Reg. No. 8,990.

These two patents show fasteners (stamped from sheet metal) for use in constructing ducts made of sheets of paperboard, fiberboard, asbestos, or other material. The fasteners (several embodiments are shown) are used to connect the side walls of a duct, as well as adjacent ends of duct sections. The fasteners have outwardly struck pointed tongues or prongs which are clinched after penetrating the walls of the duct. In Pat. No. 2,389,468 the fasteners include means which will also seal, cover, and protect the joints of the ducts. One embodiment in this patent shows a plurality of angle plates (with prongs) slidably carried within an angled edging strip. The plates may connect the side walls of one or more sections of the duct with the edging strip covering the joints along the duct. Another form of fastener will connect the ends of adjacent duct sections and also enclose the joint. (Owner) Augustus P. Terry, 2405 California St., Berkeley 3, Calif.

Pat. 2,420,945. COMBINATION TOOLHOLDER AND STEADY ARM. Patented May 20, 1947. A combined tool holder and steady arm designed to eliminate the steady rest and follow rest usually bolted to lathe carriages. A stem supports in its head a cutting tool. A work support curved throughout an arc exceeding 180 degrees is attachable to either side of the head. Opening in the work support is large enough to permit it to slip over the work. Screws are threaded in the work support so that their inner ends may be adjusted to engage the work. Modifications are shown. (Owner) Roland C. Gaylord, RFD 1, Plymouth, N. C. Group 35—43—53. Reg. No. 8,991.

Pat. 2,428,885. AUTOMATIC SELF-FLUSHING COMMODORE. Patented Oct. 7, 1947. The invention comprises an outwardly arched operating arm or lever, one end of which is fastened to the upper side of the seat cover, the other end pivotally connected to a valve in the water pipe. Raising and lowering the seat cover operates the valve, respectively filling the storage compartment or flushing the bowl, thus eliminating hand flushing. (Owner) Noah Shepard, Estancia Matilde Bayamon, P. O. Box 3667 Santurce, San Juan, Puerto Rico. Group 32—61. Reg. No. 8,992.

Des. Pat. 147,512. BRACELET. Patented Sept. 16, 1947. An ornamental design for a bracelet. (Owner) Lena M. Smith, Star Route Box 52A, Alma, Calif. Groups 39—71; 34—51. Reg. No. 8,993.

Pat. 2,420,973. CULTIVATOR PLOW. Patented May 20, 1947. A plow mechanism for cultivating several rows or lightly plowing wide areas has a plurality of independent cultivator units mounted in gang relationship and supported by a transverse bar of the cultivator frame. Each unit comprises a standard for attachment to the bar and a rearwardly extending bracket angularly pivoted to the lower end of the standard, with a pair of discs carried by the bracket. The bracket is normally yieldingly urged forward and downward by spring means with a stop on the bracket limiting such movement. The bracket of each unit is self-adjusting independently of the other units so that all discs will automatically follow the contour of a field and ride over obstructions, enabling the total area to be cultivated to substantially uniform depth. The space between each pair of discs may be adjusted in either spaced or angular relation with respect to each other. (Owner) Christian Petersen. Address correspondence to C. Hercus Just, Patent Counsel, The United States Time Corporation, Waterbury 91, Conn. Group 35—22. Reg. No. 8,994.

Pat. 2,243,915. HAND TRUCK. Patented June 3, 1941. A hand truck-barrow for moving heavy or bulky objects, especially up or down stairs. The forward end is supported by wheels and has a forward and upward projecting plate used for picking up heavy objects. Beneath the intermediate portion of the barrow is a swinging frame with three pairs of small wheels, forming a rolling support on the level and enabling the truck-barrow, when ascending or descending stairs, to be tilted on a fulcrum constituted by the pins or bolts which connect the swinging frame to the truck frame. Handles are pivotally connected to be adjusted vertically in different angular positions. (Owner) Herbert B. Mueller, % Mueller Dance Floor Co., 5300 Sunset Blvd., Los Angeles, Calif. Group 35—63. Reg. No. 8,995.

Pat. 2,427,804. LEVER LOCK. Patented Sept. 23, 1947. A segmental type lock for locking levers in various positions. A tubular sleeve having two latches is turnable on lever surrounded by a coil spring. The segment has a number of slots to receive the two latches when sleeve is turned for locking lever in different positions. (Owner) Herbert B. Mueller, % Mueller Dance Floor Co., 5300 Sunset Blvd., Los Angeles, Calif. Group 33—59. Reg. No. 8,996.

The following eight patents are owned by Harry J. Nichols, Point Pleasant, N. J., and are available for licensing only. Group 36—61—62.

Pat. 2,176,680. COMMUNICATION SYSTEM (Facsimile System). Patented Oct. 17, 1939. Reg. No. 8,997.

Pat. 2,258,124. COMMUNICATION SYSTEM (Facsimile System). Patented Oct. 7, 1941. Reg. No. 8,998.

Pat. 2,111,153. COMMUNICATION SYSTEM (Synchronizing System). Patented Mar. 15, 1938. Reg. No. 8,999.

Pat. 2,150,239. SYNCHRONIZING SYSTEM. Patented Mar. 14, 1939. Reg. No. 9,000.

Pat. 2,172,290. METHOD AND APPARATUS FOR SYNCHRONIZING. Patented Sept. 5, 1939. Reg. No. 9,001.

Pat. 2,174,704. COMMUNICATION SYSTEM (Synchronizing System). Patented Oct. 3, 1939. Reg. No. 9,002.

Pat. 2,182,000. SYNCHRONIZING SYSTEM. Patented Dec. 5, 1939. Reg. No. 9,003.

Pat. 2,329,077. COMMUNICATION SYSTEM (Synchronizing System). Patented Sept. 7, 1943. Reg. No. 9,004.

These eight patents refer to various aspects in the synchronization of television, facsimile and like systems in which the apparatus of a sending station may be remotely located from that of a receiving station. In general, the synchronizing means is a periodic impulse transmitted by the sending station to a receiving station in such a manner that the scanning discs at both stations are brought into synchronization. A typical arrangement is described in Patent 2,172,290: A synchronizing hole is centered in the blank sector of the usual scanning disc having a spiral row of scanning holes, the disc being employed in combination with an image-transmitting apparatus. In association with the disc and image-transmitting apparatus is an impulse-transmitting device which includes a source of light having a shield slit on that portion traversed by the synchronizing hole. Arranged on one side of the disc is an auxiliary photo-electric cell which is affected by the beam passing through the spiral row and through the synchronizing hole as well. A similar scanning disc is used at the receiving station. However, the blank sector includes a "synchronizing arc" composed of a series of "windows," graduated in size, the function of which is to accelerate or retard the speed of the disc according to the timing of the signal received. Signals transmitted by the sending station are simultaneously received as flashes by a television lamp at the receiving station. If the disc at the receiving station is relatively opposite the slit as the lamp flashes, there is no effect on

the photo-electric cell since it is masked by the blank sector of the disc. Should the motor which rotates the disc at the sending station increase in speed, a small window in the disc at the receiving station comes into position at the instant the lamp flashes. The photo-electric cell acts to retard the speed of the motor for an instant so that the two discs are again brought into synchronization. If the large window of the scanning disc is brought into position, the photo-electric cell acts to increase the speed of the motor so that the discs are again brought into correct synchronization. Other arrangements are described in the other patents.

Pat. 2,427,358. PNEUMATICALLY OPERATED MARKING MACHINE. Patented Sept. 16, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A semi-automatic machine for stamping identification marks and symbols on metal parts, adjustable to mark different sizes and shapes. A pneumatic cylinder is provided in housing mounted on base of device. A cylindrical shell in the cylinder has a slidable hammer within and a coil spring between hammer and piston end of shell. A striker rod extends below the shell. When work piece is in position for stamping, the foot-operated three-way valve is depressed and compressed air admitted to pneumatic cylinder, moving downward the piston and entire mechanism below it until the work piece is engaged by the stamp. A spring means returns the mechanism to original position. Stamping movement is uniform and rapid. Modifications allow manual operation. (Owner) Stephen Kovach, 162-15 59th Ave., Flushing, N. Y. Groups 35-69; 36-21. Reg. No. 9,005.

Patents Removed from Register

Reg. No. 5,647. Patent 2,312,956. COLLAPSIBLE HORSE.
Reg. No. 5,648. Patent 2,412,716. FOLDING HORSE.

U. S. GOVERNMENT PRINTING OFFICE: 1947

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 6, 1948

[Vol. 606, No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 499,088. UNITED CHROMIUM, INCORPORATED, New York, N. Y. Filed Mar. 27, 1946.

UNICHROME

FOR SYNTHETIC RESINOUS MATERIAL IN THE FORM OF SHEETS, RODS, TUBING, CORD, AND TAPE RESISTANT TO THE ACTION OF ELECTROPLATING AND CLEANING SOLUTIONS FOR VARIOUS USES IN THE INDUSTRIAL ARTS.

Claims use since Mar. 29, 1935, on synthetic resinous material in the form of sheets, rods, tubing; since Jan. 12, 1945, on cord; and since May 10, 1945, on tape.

Ser. No. 519,817. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 29, 1947.

PLIOVIC

FOR SYNTHETIC POLYVINYL CHLORIDE RESINS.
Claims use since Feb. 24, 1947.

Ser. No. 520,417. REICHOLD CHEMICALS, INC., Detroit, Mich. Filed Apr. 9, 1947.

PENTACITE

FOR SOLUBLE SYNTHETIC RESINS AND SOLUTIONS THEREOF FOR USE IN COATING, LAMINATION, IMPREGNATION, INSULATION, SEALING PLASTICS, AND FOR VARIOUS USES IN THE INDUSTRIAL ARTS.

Claims use since Mar. 14, 1947.

Ser. No. 521,027. PAYNE COAL COMPANY, INC., Wilkes-Barre, Pa. Filed Apr. 19, 1947.



Applicant disclaims the exclusive use of the words "Twentieth Anniversary 1927-1947" and "The Original Trade-Marked Anthracite." The drawing is lined for the colors orange and black.

FOR COAL.

Claims use in its present form, since Mar. 7, 1947; and the trade-mark consisting of the representation of an orange disc and the words "Orange Disc" have been used by applicant and by those from whom title was derived, since Mar. 22, 1927.

Ser. No. 522,392. OMNI PRODUCTS CORPORATION, New York, N. Y. Filed May 14, 1947.

POLYSTRON

FOR THERMOPLASTIC MATERIALS IN GRANULE AND POWDER FORM FOR MAKING PLASTIC ARTICLES BY INJECTION MOLDING AND EXTRUSION.
Claims use since Mar. 1, 1947.

CLASS 2

RECEPTACLES

Ser. No. 478,733. CLARENCE A. GONDELT, doing business as Lewisburg Container Company, Lewisburg, Ohio. Filed Aug. 30, 1944.

WOODTAINER

FOR FIBREBOARD SHIPPING AND PACKING BOXES.

Claims use since December 1941.

Ser. No. 493,376. THE MENGEL COMPANY, Louisville, Ky. Filed Dec. 15, 1945.

CORRU-CLEAT

The word "Cleat" is disclaimed apart from the mark as shown.

FOR FIBREBOARD SHIPPING BOXES, CARTONS, AND CRATES HAVING A SUPPLEMENTARY CLEAT AT ONE OR MORE OF THE EDGES THEREOF.

Claims use since Oct. 24, 1945.

Ser. No. 495,914. MAURICE TRAPET, also doing business as Kariscent of Hollywood, Los Angeles, Calif., assignor to Herman Graves, Los Angeles, Calif. Filed Feb. 2, 1946.

Kariscent

FOR BASE METAL, TUBULAR, VALVE-CONTROLLED, PERFUME DISPENSER, SOLD EMPTY IN TRADE.

Claims use since Sept. 22, 1945.

Ser. No. 496,680. A. P. W. PRODUCTS COMPANY, INC., Albany, N. Y. Filed Feb. 16, 1946.

ONLIWON

FOR DISPENSING CABINETS FOR PAPER TOWELS, TOILET PAPER, AND PAPER TOILET-SEAT COVERS, AND WASTE CANS.

Claims use since Jan. 1, 1904, upon dispensing cabinets for toilet papers; since Feb. 6, 1914, upon dispensing cabinets for paper towels; since July 13, 1939, on waste cans; and since Jan. 27, 1940, on dispensing cabinets for paper toilet-seat covers.

Ser. No. 497,389. HOME & HOBBY HOUSE, Orlando, Fla. Filed Feb. 28, 1946.

HOME & HOBBY HOUSE

No claim is made to the exclusive right to use the word "House" apart from the mark.

FOR DECORATED WOODEN TRAYS, WOODEN SALAD AND NUT BOWLS, WOODEN TRAYS WITH HOLDERS FOR BEVERAGE GLASSES, AND BASKETS.

Claims use since June 11, 1945.

Ser. No. 504,769. HOUSEHOLD PAPER PRODUCTS CO., Detroit, Mich. Filed June 28, 1946.

Wonderfilm

FOR HAT BOXES, GARMENT BAGS, AND REFRIGERATOR BAGS MADE OF PLASTIC MATERIAL.

Claims use since Dec. 19, 1945.

Ser. No. 509,063. MORTON WHITE & COMPANY, Vancouver, British Columbia, Canada. Filed Sept. 13, 1946.

AIREX

FOR PAPER TOWEL DISPENSERS AND TOILET PAPER DISPENSERS OF THE CABINET TYPE.

Claims use since 1928.

Ser. No. 520,958. MEARS & HEMINGWAY SPECIALTIES, Norfolk, Va. Filed Apr. 18, 1947.

ICE KANAKIN

The word "Ice" is disclaimed apart from the mark. FOR RECEPTACLES—NAMELY, INSULATED ICE BUCKETS MADE OF WOOD.

Claims use since Dec. 9, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 511,852. AMERICAN CALENDAR COMPANY, Greenville, Tenn. Filed Nov. 1, 1946.

Cherokee

FOR LEATHER BILLFOLDS.

Claims use since July 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 500,472. HARCO PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 18, 1946.

WHIRL-AWAY

No claim is made to the word "Whirl" except in connection with the mark as shown.

FOR ABRASIVE ELEMENT CARRIED BY A SPINDLE FOR USE IN FINISHING INSIDE SURFACES SUCH AS CYLINDERS.

Claims use since November 1944.

Ser. No. 510,084. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Oct. 2, 1946. Under section 5b of the act of 1905 as amended in 1920.

ANCHOR ROGERS ANCHOR

FOR SILVER POLISH.

Claims use since Aug. 19, 1946.

Ser. No. 517,142. J. H. LEWIS, INC., doing business as Tiffany Products Co., St. Paul, Minn. Filed Feb. 7, 1947.

SKOOT

A JAR FOR EVERY CAR

Exclusive right to the slogan "A Jar For Every Car" is not claimed apart from the rest of the mark.

FOR WATERLESS CLEANER FOR THE HANDS.

Claims use since Nov. 1, 1946.

Ser. No. 524,417. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 18, 1947. Under 10-year proviso.

STAR

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since 1887.

Ser. No. 524,480. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 19, 1947. Under 10-year proviso.

WATER WITCH

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since Feb. 17, 1886.

Ser. No. 524,562. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 20, 1947. Under 10-year proviso.

DERBY

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since Nov. 28, 1884.

Ser. No. 524,622. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 21, 1947. Under 10-year proviso.

TOWN TALK

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since Jan. 24, 1881.

Ser. No. 524,749. STERLING DRUG INC., Wilmington, Del. Filed June 24, 1947.

ALTHYLOL

FOR DETERGENT AND POLISHING AGENT FOR CLEANING GLASS, ENAMELED SURFACES, CHROMIUM, TILE, PORCELAIN, AND THE LIKE.

Claims use since May 3, 1947.

Ser. No. 524,814. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 25, 1947. Under 10-year proviso.

KIRK'S

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since June 11, 1885.

Ser. No. 525,245. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 30, 1947. Under 10-year proviso.

MOON

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since 1877.

Ser. No. 525,947. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 3, 1947. Under 10-year proviso.

PROCTER & GAMBLE

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since 1877.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 496,861. WILLIAM EDWARD RIDER, doing business as Riders, Ltd., North Hollywood, Calif. Filed Feb. 18, 1946.

Studio Charm

FOR HAND LOTION.
Claims use since Jan. 1, 1943.

Ser. No. 497,257. ROBERT JEAN PASCAL LORRIAX, Paris, France. Filed Feb. 26, 1946.



FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Jan. 17, 1942.

Ser. No. 504,913. LEONID DE LESCINSKIS, New York, N. Y. Filed July 1, 1946.



No claim is made to the word "Mask" apart from the mark as shown.
FOR FACE PACK.
Claims use since May 1, 1946.

Ser. No. 506,549. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed July 30, 1946.

DOUBLE TWIST

FOR NAIL ENAMEL, BASE AND TOP COAT.
Claims use since June 18, 1946.

Ser. No. 507,900. ALBERT R. GOODKIN, doing business as All-Brite Chemical Co., Waterbury, Conn. Filed Aug. 23, 1946.

ALUMADIZING

FOR SALTS FOR ELECTROCHEMICAL TREATMENT OF ALUMINUM IN AN ANODIZING BATH.
Claims use since Sept. 1, 1945.

Ser. No. 508,420. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois. Filed Sept. 3, 1946.

DEALER'S CHOICE

FOR PERFUME, COLOGNE, LIPSTICK, FACE POWDER, AND SHAMPOO.
Claims use since July 24, 1945.

Ser. No. 509,993. R. C. MARTENS, doing business as Oakydoke Manufacturing Company, Nevada City, Calif. Filed Sept. 30, 1946.

OAKYDOKE

FOR OINTMENT FOR POISON OAK AND POISON IVY.
Claims use since Aug. 12, 1946.

Ser. No. 510,051. JOHN BAILEY, Blountstown, Fla. Filed Oct. 2, 1946.

CAL-BA-LIN

FOR LINIMENT.
Claims use since Aug. 6, 1946.

Ser. No. 511,480. LANTEEN MEDICAL LABORATORIES, INC., Chicago, Ill. Filed Oct. 25, 1946.

LANAMAN

FOR VITAMIN TABLETS.
Claims use since Sept. 26, 1946.

Ser. No. 511,481. LANTEEN MEDICAL LABORATORIES, INC., Chicago, Ill. Filed Oct. 25, 1946.

LANAVITE

FOR VITAMIN TABLETS.
Claims use since Sept. 26, 1946.

Ser. No. 511,991. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed Nov. 4, 1946.

SOLUBE

FOR WATER SOLUBLE TEXTILE OIL.
Claims use since Oct. 10, 1946.

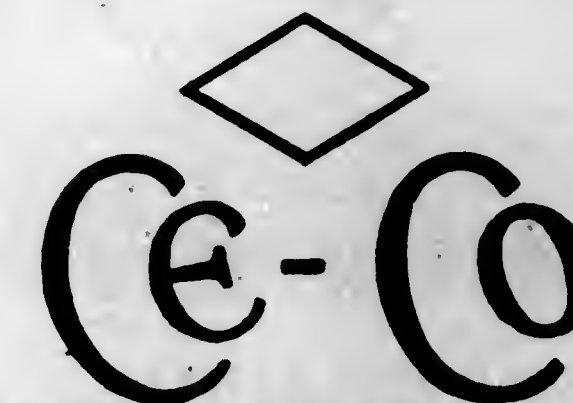
Ser. No. 512,554. FRANK L. WILEY, doing business as Onelda Chemical Company, Utica, N. Y. Filed Nov. 13, 1946.

Ant-Sip

No claim is made to the word "Ant" separate and apart from the remainder of the mark.
FOR LIQUID POISON FOR THE EXTERMINATION OF ANTS.
Claims use since July 1935.
606 O. G.—2

Ser. No. 513,236. CHICHESTER CHEMICAL CO., Philadelphia, Pa. Filed Nov. 26, 1946.

DIAMOND



FOR POWDERED DEODORANT.
Claims use since Aug. 17, 1932.

Ser. No. 513,906. SPRA-SHIELD COMPANY, Grand Rapids, Mich. Filed Dec. 7, 1946.



Applicant disclaims the word "Spra" apart from the mark as shown.
FOR SPRAY FOR SHRUBS AND TREES.
Claims use since Nov. 25, 1946.

Ser. No. 514,156. VOLAY OF PARIS COMPANY, Kalamazoo, Mich. Filed Dec. 12, 1946.



Applicant disclaims the words "Of Paris" and "Parfum."
FOR PERFUMES.
Claims use since Oct. 3, 1946.

Ser. No. 515,318. THE MALTINE COMPANY, New York, N. Y. Filed Jan. 6, 1947.

CAPITIN

FOR PRODUCT INFLUENCING CAPILLARY FRAGILITY.
Claims use since Nov. 29, 1946.

Ser. No. 515,332. PEGGY SAGE, INC., Stamford, Conn., and New York, N. Y. Filed Jan. 6, 1947.

Raving Beauty

FOR NAIL POLISH.
Claims use since Dec. 5, 1946.

Ser. No. 518,869. ARAPAHOE CHEMICALS, INC., Boulder, Colo. Filed Mar. 12, 1947.

← ARAPAHOE →
ARAPAHOE

FOR ACETAMIDOTHIOPHENE, 2-ACETOTHIOPHENE OXIME, 2-AMINOTHIOPHENE, 2-CHLOROMETHYLTHIOPHENE, 2-NITROTHIOPHENE, 2-THIENYLALANINE, 2-THIOPHENEALDEHYDE, THIOPHENE-2-SULFONIC ACID, THIOPHENE-2-CARBOXYLIC ACID, THIOPHENE-2-CARBOXYLIC ACID, TECH., THIOPHENE, ACETAMIDOMALONIC ESTER, N-BROMOSUCCINIMIDE, CYCLOPENTANONE, CYCLOPENTANONE OXIME, MONOETHYL MALONIC ESTER, METHYL MAGNESIUM IODIDE, ETHYL MAGNESIUM CHLORIDE, METHYL MAGNESIUM BROMIDE, METHYL MAGNESIUM CHLORIDE, PHENYL MAGNESIUM BROMIDE, AND 2-THIENYL MAGNESIUM BROMIDE.
Claims use since Jan. 13, 1947.

Ser. No. 519,525. JONAX PRODUCTS INC., doing business as J. B. Chemical Products, Boston, Mass. Filed Mar. 25, 1947.



Applicant disclaims the word "Flea" apart from the mark as shown.
FOR PET SHAMPOO.
Claims use since July 3, 1946.

Ser. No. 522,694. SCHERING CORPORATION, Bloomfield, N. J. Filed May 20, 1947.

HYRONASE

FOR HYALURONIDASE.
Claims use since Apr. 28, 1947.

Ser. No. 523,409. PANTCHO NAKASHEFF, doing business as Pharmacy P. Nakasheff, Sofia, Bulgaria. Filed June 2, 1947.

BELLABULGARA

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF PARKINSON'S DISEASE.
Claims use since Apr. 19, 1938.

Ser. No. 523,492. A. G. TYLER, INC., New York, N. Y. Filed June 3, 1947.

TYLAPRIN

FOR SOLUTION OF ACETYSALICYLIC ACID FOR USE IN THE TREATMENT AND RELIEF OF COLDS, HEADACHES, NEURALGIAS, MUSCULAR ACHES AND PAINS AND ANALOGOUS AILMENTS, AS A GARGLE AND FOR OTHER INDICATED USES.
Claims use since on or about May 17, 1947.

Ser. No. 523,502. AKTIENGESELLSCHAFT VORMALS B. SIEGFRIED, Zofingen, Switzerland. Filed June 4, 1947.

PHOS-ELITE

FOR MEDICINAL RECONSTRUCTIVE AND RECONSTITUENT TONIC.
Claims use since July 31, 1941.

Ser. No. 523,969. LES LABORATOIRES DAUSSE, SOCIÉTÉ ANONYME, Paris, France. Filed June 11, 1947.

DIPHÉDRANE

FOR ANTI-ASTHMATIC PREPARATION.
Claims use since June 17, 1946.

Ser. No. 524,084. SCHIEFFELIN & Co., New York, N. Y. Filed June 12, 1947. Under 10-year proviso.

Schieffelin

FOR FLUID EXTRACT BELLADONNA LEAVES; FLUID EXTRACT COLCHICUM; FLUID EXTRACT COTTONROOT BARK; FLUID EXTRACT ERGOT; FLUID EXTRACT GENTIAN; FLUID EXTRACT GLYCYRRHIZA; FLUID EXTRACT NUX VOMICA; FLUID EXTRACT RHUBARB; FLUID EXTRACT SASSAPARILLA; FLUID EXTRACT SENEGA; FLUID EXTRACT SQUILL; FLUID EXTRACT TARAXACUM; EXTRACT CASCARA SAGRADA; FLUID EXTRACT CASCARA SAGRADA; EXTRACT GLYCYRRHIZA; LINIMENT CAMPHOR; LINIMENT CHLOROFORM; LINIMENT SOAP; OINTMENT, AMMONIATED MERCURY; OINTMENT, BASILICON; OINTMENT BELLADONNA; OINTMENT, CARBOLIC ACID; OINTMENT, DIACHYLON; OINTMENT, IODINE; OINTMENT, MERCURIC OXIDE; OINTMENT, NUTGALL; OINTMENT,

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 508,252. SOCIÉTÉ ANONYME D'EXPLOITATION DES PAPETERIES L. LACROIX FILS, Angoulême, France. Filed Aug. 29, 1946.

RIZLA+

The lining on the drawing is not intended to indicate any particular color.
FOR CIGARETTE PAPERS CUT TO SIZE.
Claims use since November 1869.

CLASS 10

FERTILIZERS

Ser. No. 523,026. J. M. STEVENSON, doing business as Kanstone Company, Garnett, Kans. Filed May 26, 1947.

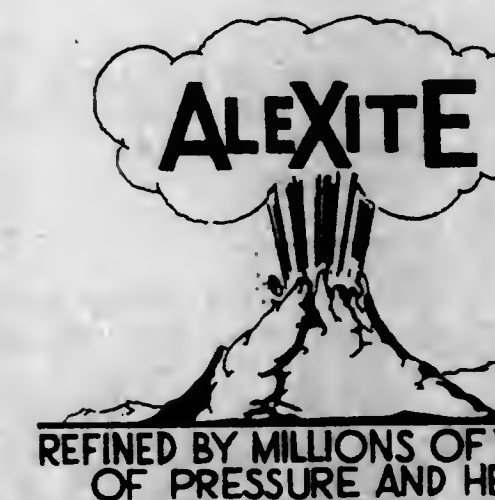
Garden Magic

The word "Garden" is disclaimed apart from the mark as shown.
FOR SOIL CONDITIONER—NAMESLY, PULVERIZED LIMESTONE.
Claims use since on or about Feb. 10, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 501,947. ALEXITE ENGINEERING Co., Colorado Springs, Colo. Filed May 13, 1946.



The words "Refined by Millions of Years of Pressure and Heat" are disclaimed separate and apart from the mark as shown.

FOR BUILDING MATERIALS—NAMESLY, THERMAL, ACOUSTICAL, AND MOISTURE INSULATING MATERIAL FORMED FROM MICA OR A CORK-LIKE SUBSTANCE, AND AN AGGREGATE THAT REPLACES SAND IN PLASTER AND CONCRETE MIXTURES.
Claims use since Feb. 15, 1943.

ROSE WATER; OINTMENT, SIMPLE; OINTMENT, SULPHUR; OINTMENT, TAR; OINTMENT, ZINC OXIDE; MERCURIAL OINTMENT; PILL, ALOIN, STRYCHNINE AND BELLADONNA, N. F.; PILL ASA-FOETIDA; PILL, BLAUD; PILL CATHARTIC COMPOUND; PILL, ALOE AND MASTIC, N. F.; PILL, ERGOTIN; PILL, FERRI IODIDI; SOLUTION, LEAD SUBACETATE; SYRUP, HYDRIODIC ACID; SYRUP, HYPOPHOSPHITES; SYRUP, IRON IODIDE; SYRUP, TOLU; SYRUP WILD CHERRY; TABLET, ATROPINE SULPHATE; TABLET, MORPHINE SULPHATE; TABLET, PHENACETINE; TINCTURE, ACONITE ROOT; TINCTURE, ALOE; TINCTURE, ARNICA; TINCTURE, BELLADONNA; TINCTURE BENZOIN; TINCTURE, CAPSICUM; TINCTURE, CARDAMOM COMPOUND; TINCTURE, CINCHONA COMPOUND; TINCTURE, DIGITALIS; TINCTURE, GENTIAN; TINCTURE, HYOSCYAMUS; TINCTURE, IODINE; TINCTURE, LARKSPUR; TINCTURE, LAVENDER COMPOUND; TINCTURE, MYRRH; TINCTURE, NUX VOMICA; TINCTURE, OPIUM CAMPHOR; TINCTURE, OPIUM DEODORIZED; TINCTURE, ORANGE; TINCTURE, VALERIAN; MUTTON SUET; OXIDE OF ZINC; ACID, HYDRIODIC; COLD CREAM; COLLODION; ESSENCE, WINTERGREEN; OIL, CASTOR; OIL, COD LIVER; OIL, HYOSCYAMUS; PEPSIN; PETROLATUM; PLASTER LEAD OLEATE; POWDER, AROMATIC; POWDER, LICORICE COMPOUND; POWDER, SEIDLITZ; SPIRITS, AMMONIA; SPIRITS, CAMPHOR; SPIRITS, ETHYL NITRITE; SPIRITS, PEPPERMINT; POWDER, TOOTH; TALCUM; HYDROCHLORIC ACID; PHENOL; CHLOROFORM; COCAINE, HYDROCHLORIDE; CODEINE PHOSPHATE; CODEINE, SULPHATE; MORPHINE, SULPHATE; QUININE, SULPHATE; AND WOOL FAT.
Claims use since 1891.

Ser. No. 524,092. RAYMOND T. WAGNER, doing business as Hawthorne Laboratories, Louisville, Ky. Filed June 12, 1947.

FREEZEX

FOR VETERINARY PREPARATION TO BE USED EXTERNALLY FOR RELIEF OF ACHES, PAINS, STIFFNESS, AND SORENESS FROM VARIOUS CAUSES IN THE LEGS OF HORSES.
Claims use since Apr. 2, 1947.

Ser. No. 525,184. T. ROY BARNES, doing business as Mag-So-Lax Company, Tulsa, Okla. Filed June 30, 1947.

MAG-SO-LAX

The word "Lax" is disclaimed apart from the mark as shown.
FOR ANTI-ACID LAXATIVE.
Claims use since 1927.

Ser. No. 525,293. LEO BRANCHE, Syracuse, N. Y. Filed July 1, 1947.

555

FOR LIQUID COUGH PREPARATION AND COLD TABLETS.
Claims use since Feb. 1, 1942.

Ser. No. 507,066. NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed Aug. 8, 1946.

Gold Bond

E-Z SOAK

The term "E-Z-Soak" is disclaimed apart from the mark as shown.

FOR HYDRATED FINISH LIME FOR USE IN PLASTERS.

Claims use since Mar. 12, 1946.

Ser. No. 508,136. AJAX FLOOR PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 28, 1946.

FLASH

PATCH

The word "Patch" is disclaimed apart from the mark. FOR DRY, POWDER-FORM, WATER-MIX PATCHING MATERIALS FOR USE ON WOOD, CONCRETE, PLASTER, TILE FLOORS AND WALLS.

Claims use since June 18, 1946.

Ser. No. 509,987. FREDERIC C. JAY, doing business as Hobbywoods, Baltimore, Md. Filed Sept. 30, 1946.

Hobbywoods

No claim is made to the word "Woods" apart from the mark shown.

FOR LUMBER—NAMELY, DIMENSION LUMBER AND DIMENSION PLYWOOD.

Claims use since Aug. 1, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 478,398. RICHARD W. LEWIS, doing business as Stainless Ware Company of America, Detroit, Mich. Filed Jan. 8, 1945.



Applicant disclaims the corporate name "Stainless Ware Company of America" and the word "Stainless."

FOR KITCHEN UTENSILS AND CONTAINERS—TO WIT, SAUCEPANS, SAUCEPOTS (CASSEROLE), PRESERVING KETTLES, DOUBLE BOILERS, SKILLETS, MIXING BOWLS, BOWLS (DISH PAN), UTILITY BOWLS, AND COVERS THEREFOR, ALL MADE OF BASE METAL.

Claims use since August 1937.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 507,218. REYNOLDS METALS COMPANY, Richmond, Va. Filed Aug. 10, 1946.

Lifetime

FOR ALUMINUM AND ALUMINUM ALLOYS IN ROLLED, CAST, EXTRUDED, AND FORGED STATE.

Claims use since Dec. 31, 1945.

CLASS 15

OILS AND GREASES

Ser. No. 503,830. L. J. SAUERBORN, doing business as Lubald Co., Milwaukee, Wis. Filed June 13, 1946.

RENCH AID

FOR INFLAMMABLE PENETRATING OIL USED FOR REMOVING ALUMINUM HEADS.

Claims use since Mar. 23, 1945.

CLASS 19

VEHICLES

Ser. No. 459,058. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio. Filed Mar. 12, 1943.

JEEP MOBILE

FOR AUTOMOBILES AND STRUCTURAL PARTS THEREOF.

Claims use since Mar. 1, 1943.

Ser. No. 483,418. ARNOLD, SCHWINN & Co., Chicago, Ill. Filed May 16, 1945.



FOR BICYCLES.

Claims use since November 1934.

Ser. No. 513,691. SHOPPER-ETTE & SPECIALTIES, INC., Detroit, Mich. Filed Dec. 4, 1946.

SHOPPER-ETTE

FOR HAND CARTS FOR CARRYING SMALL PARCELS.

Claims use since June 4, 1946.

Ser. No. 518,200. CHICAGO STREAMLITE CORPORATION, Chicago, Ill. Filed Feb. 27, 1947.

Streamlite

FOR HOUSE TRAILERS.

Claims use since August 1939.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 523,612. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed June 5, 1947.

PHARISTYLE

FOR TILE AND FLOOR COVERINGS COMPOSED IN WHOLE OR IN PART OF RUBBER.

Claims use since May 1, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 484,235. BURKE & JAMES, INC., Chicago, Ill. Filed June 7, 1945.

SOLOR

FOR ELECTRIC FOOT SWITCHES.

Claims use since Mar. 29, 1945.

Ser. No. 507,212. MUSIVOX SALES COMPANY, New York, N. Y. Filed Aug. 10, 1946.

Musette

FOR RADIO RECEIVING SETS AND ELECTRIC PHONOGRAPHS.

Claims use since Aug. 10, 1946.

Ser. No. 510,901. SOLAR MANUFACTURING CORPORATION, New York, N. Y., and elsewhere. Filed Oct. 15, 1946.

MINICAP

FOR DRY ELECTROLYTIC CAPACITORS.
Claims use since April 1938.

Ser. No. 514,435. SIGMUND J. SCHWARTZ, doing business as The Fotolampshade Mfg. Co., Brooklyn, N. Y. Filed Dec. 17, 1946.



The word "Fotolampshade" and the representation of the electric plug are disclaimed.
FOR ELECTRIC LAMP SHADES.
Claims use since Oct. 29, 1946.

Ser. No. 515,126. NICKEL CADMIUM BATTERY CORPORATION, Easthampton, Mass. Filed Dec. 31, 1946.

ALCAD

FOR STORAGE BATTERIES.
Claims use since Dec. 19, 1946.

Ser. No. 515,263. HUGH H. EBY, INC., Philadelphia, Pa. Filed Jan. 4, 1947.

MINALOX

FOR MINIATURE SOCKET FOR ELECTRONIC TUBES.
Claims use since Oct. 30, 1946.

Ser. No. 517,937. ELDON M. WALKER, Decatur, Ill. Filed Feb. 21, 1947.



All the wording in the mark with the exception of the word "Circle" is disclaimed apart from the mark.
FOR ELECTRICAL HEATERS—NAMESLY, SPACE HEATERS.
Claims use since May 7, 1945.

Ser. No. 518,056. STEARNS MAGNETIC MFG. CO., Milwaukee, Wis. Filed Feb. 24, 1947.



The name "Stearns" and the word "Magnetic" and the representation of the electromagnet are disclaimed.
FOR MAGNETIC SEPARATORS FOR SEPARATING MAGNETIC MATERIAL FROM NONMAGNETIC MATERIAL, SPOUT MAGNETS, MAGNETIC CLUTCHES FOR COUPLING AND UNCOUPLING DIFFERENT PORTIONS OF MACHINERY, CLUTCH-BRAKE COMBINATIONS FOR COUPLING AND UNCOUPLING DIFFERENT PORTIONS OF MACHINERY AND FOR APPLYING A BRAKING FORCE TO THE MACHINERY, MAGNETIC BRAKES FOR APPLYING A BRAKING FORCE TO MACHINERY, LIFTING AND SUSPENDED MAGNETS, AND MAGNETIC DRUMS FOR SEPARATING MAGNETIC MATERIAL FROM NONMAGNETIC MATERIAL.
Claims use since Jan. 22, 1947.

Ser. No. 520,656. TELECOIN CORPORATION, New York, N. Y. Filed Apr. 14, 1947.

TELECOIN

FOR COIN OPERATED RADIO AND TELEVISION RECEIVING SETS, AND PARTS THEREOF.
Claims use since Mar. 10, 1947.

Ser. No. 521,332. HEXACON ELECTRIC COMPANY, Roselle Park, N. J. Filed Apr. 25, 1947.

TROJAN

FOR ELECTRIC SOLDERING IRONS.
Claims use since Feb. 20, 1947.

Ser. No. 521,450. PAULINE H. HUMPHREYS, doing business as Sharp's Point Studio, Salisbury, Md. Filed Apr. 28, 1947.

Priscilla

FOR ELECTRIC LAMP SHADES.
Claims use since Feb. 28, 1947.

Ser. No. 521,994. THE OHIO ADVERTISING DISPLAY COMPANY, Cincinnati, Ohio. Filed May 6, 1947.

AD-A-CASH-LITE

No claim is made to the exclusive use of the word "Ad." FOR ELECTRICALLY ILLUMINATED ADVERTISING DISPLAY SIGNS.
Claims use since Apr. 21, 1947.

Ser. No. 523,119. ALKCO MANUFACTURING CO., Chicago, Ill. Filed May 27, 1947.

ALKCO-LITE

The word "Lite" is disclaimed apart from the mark as shown.
FOR FLUORESCENT LIGHTING FIXTURES.
Claims use since Jan. 1, 1947.

Ser. No. 524,614. MUTUAL-SUNSET LAMP MANUFACTURING CO., INC., New York, N. Y. Filed June 21, 1947.

LAUTUM

FOR ELECTRICAL APPARATUS—NAMESLY, ELECTRIC LAMPS, FLOOR LAMPS, DESK LAMPS, TABLE LAMPS, AND PORTABLE LAMP SHADES.
Claims use since January 1937.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 493,119. HARDWOOD TOY MANUFACTURING CORPORATION, New York, N. Y. Filed Dec. 12, 1945.

Pegalink

FOR WOOD PULL TOYS, WOOD ACTION TOYS, WOOD TAKE-A-PART TOYS, AND WOOD CONSTRUCTION TOYS, THE TOYS BEING ASSEMBLED AND EMPLOYING MOVABLE AND DETACHABLY COUPLED PARTS.
Claims use since September 1945.

Ser. No. 494,667. THE FOULK ENGINEERING COMPANY, Cincinnati, Ohio. Filed Jan. 12, 1946.



No claim is made to the exclusive right to the use of the word "Kane." FOR JUMPING STICKS.
Claims use since Jan. 1, 1946.

Ser. No. 496,896. DEEP RIG TROUT REEL CO., Rochester, N. Y. Filed Feb. 19, 1946.

DEEP-RIG

No claim is made to the word "Rig" apart from the mark as shown.
FOR DEEP WATER FISH TRAWLS AND ACCESSORIES AND SUPPLIES THEREFOR—TO WIT, HAND REEL, BRAIDED BRONZE WIRE, SOFT SOLID COPPER WIRE, PEARL WABBLERS, "SETH GREEN" RIG, SOCKET HARNESS ROD AND REEL OUTFIT.
Claims use since Dec. 1, 1945.

Ser. No. 497,483. JOSEF KUNA, Oxford, England. Filed Mar. 1, 1946.

MAKIMOR

FOR BLOCKS AND PIECES TO BE ASSEMBLED TO SIMULATE VARIOUS OBJECTS AND STRUCTURES EITHER REAL OR FANCIFUL.
Claims use since Jan. 10, 1944.

Ser. No. 498,278. CARL F. FORSELL, doing business as The Putting Eye Company, Rockford, Ill. Filed Mar. 15, 1946.

PUTTING EYE

The word "Putting" is disclaimed apart from the mark shown.
FOR DIRECTION INDICATING ATTACHMENTS FOR GOLF CLUBS.
Claims use since Jan. 19, 1946.

Ser. No. 502,355. UNICORN PRODUCTS LIMITED, London, England. Filed May 17, 1946.

UNICORN

FOR DARTS; DART FLIGHTS; DART CANES; DART CASES; DART BOARDS; DART BOARD SPIDERS AND NUMBER RINGS; CHESSMEN; CHESS BOARDS; DRAUGHTSMEN; COMBINED CHESS AND DRAUGHTSBOARDS; BACKGAMMON; HALMA—NAMESLY, A GAME OF SKILL PLAYED WITH A BOARD HAVING A CHECKERED SURFACE AND MARKERS; CHINESE CHECKERS; RANK AND FILE—NAMESLY, A GAME OF CHANCE AND SKILL UTILIZING A BOARD, COUNTERS, MARKERS AND DICE; ESCAPE—NAMESLY, A GAME OF SKILL FOR TWO PLAYERS INCLUDING A BOARD HAVING A PLAYING SURFACE AND WOODEN MEN; SWEEPSTAKE; CANNY SKIPPER—NAMESLY, A MARITIME PUZZLE; SNAKES AND LADDERS BRAINS TRUST—NAMESLY, A BOARD HAVING A PLAYING SURFACE INCLUDING DESIGNS OF LADDERS AND SNAKES AND PLAYED WITH MARKERS AND DICE; SNAKES AND LADDERS—NAMESLY, A BOARD HAVING A PLAYING SURFACE INCLUDING CHECKER-LIKE SQUARE REPRESENTATIONS OF SNAKES AND LADDERS, MARKERS AND DICE; LUDO—NAMESLY, A GAME INCLUDING A BOARD HAVING A PLAYING SURFACE WITH A PLAYING FIELD AND FLORAL EMBLEMS PLAYED WITH MARKERS AND DICE; FOUR CROWN LUDO; SIX CROWN LUDO; FOUR SQUARE LUDO, EACH INCLUDING BOARDS HAVING PLAYING SURFACES, MARKERS AND DICE; NINE MEN'S MORRIS—NAMESLY, A GAME INCLUDING A BOARD HAVING A PLAYING SURFACE AND PLAYED WITH WOODEN MEN SINCE SHAKE-SPEARE'S TIME; LOTTO; SOLITAIRE—NAMESLY, A GAME INCLUDING A CIRCULAR PLAYING FIELD HAVING DEPRESSIONS THEREIN TO RECEIVE MARBLES; POCKET SOLITAIRE—NAMESLY, A DISK HOUSED IN A BOX, AND UTILIZING PINS INSTEAD OF MARBLES TO PLAY THE GAME; CRIBBAGE BOARDS AND PEGS; DOMINOES; DICE AND DICE CUPS; TABLE TENNIS; PLAYING CARDS.

Claims use since June 1945.

Ser. No. 505,751. JEAN HAYEM, Montlucon, France. Filed July 17, 1946.

ANYCADY

FOR INDOOR GOLF GAME.
Claims use since Apr. 23, 1946.

Ser. No. 506,024. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP—CHINESE AIR FORCE) INCORPORATED, New York, N. Y. Filed July 22, 1946.



FLYING
TIGERS

The word "Tigers" is disclaimed apart from the mark.
FOR TOY ANIMALS.
Claims use since July 8, 1945.

Ser. No. 506,650. ALBERT M. DANZIG, New York, N. Y. Filed Aug. 1, 1946.



The word "Doll" is disclaimed apart from the mark as shown.
FOR DOLLS.
Claims use since January 1946.

Ser. No. 511,284. NORWICH LINE COMPANY, INC., Norwich, N. Y. Filed Oct. 22, 1946.



FOR BAIT CASTING FISHING LINES.
Claims use since Mar. 2, 1946.

Ser. No. 511,867. EMMETT MANUFACTURING COMPANY, Emmett, Idaho. Filed Nov. 1, 1946.



The words "Educational" and "Blox" are disclaimed.
FOR TOY AND EDUCATIONAL BLOCKS.
Claims use since July 15, 1944.

Ser. No. 512,526. NORWICH LINE COMPANY, INC., Norwich, N. Y. Filed Nov. 13, 1946.

The line of Champions

No claim is made to the exclusive use of the word "Line" except in connection with the mark as shown.
FOR FISHING LINES.
Claims use since 1940.

Ser. No. 513,155. ALFRED L. BARRETT, doing business as Hogi-Boka Creations, Staten Island, N. Y. Filed Nov. 25, 1946.

HOG

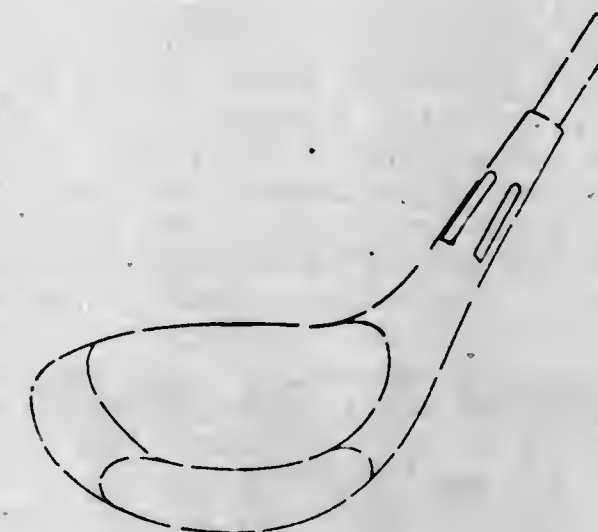
FOR GAMES PLAYED WITH BOARDS AND MOVABLE GAME PIECES.
Claims use since June 1, 1946.

Ser. No. 514,550. MIKE D. MAY, Durham, N. C. Filed Dec. 19, 1946.

PITCH-N-CHIP

FOR GAME OF SKILL IN WHICH A GOLF BALL IS DRIVEN INTO SCORING RECEPTACLES WITH A GOLF CLUB.
Claims use since July 15, 1946.

Ser. No. 517,210. SPORTING GOODS, INC., Springfield, Mass. Filed Feb. 8, 1947.



Applicant disclaims an exclusive right to the outline of the golf club shown in the drawing.
FOR GOLF CLUBS.
Claims use since Dec. 18, 1946.

Ser. No. 518,015. DAVID D. LEVITT, Buffalo, N. Y. Filed Feb. 24, 1947.

B I G BLAZE

FOR COIN ACTUATED AMUSEMENT GAMES.
Claims use since June 15, 1946.

Ser. No. 519,304. VOGUE DOLLS, INC., Medford, Mass. Filed Mar. 19, 1947.

VOGUE VELVA BABY

The words "Vogue" and "Baby" are disclaimed apart from the mark.
FOR DOLLS.
Claims use since Sept. 15, 1944.

Ser. No. 519,582. THE HUNGARIAN RUBBER GOODS FACTORY LIMITED, Budapest, Hungary. Filed Mar. 26, 1947.

TAURUS

FOR TENNIS BALLS.
Claims use since Nov. 6, 1913.

Ser. No. 520,244. VANITY DOLL COMPANY, INC., Brooklyn, N. Y. Filed Apr. 5, 1947.

"WETSIEKINS"

FOR DOLLS.
Claims use since Mar. 6, 1947.

Ser. No. 520,407. MAJESTIC DOLL & TOY CORP., New York, N. Y. Filed Apr. 9, 1947.

dub' DOODY A MAJESTIC CREATION

The word "Creation" is disclaimed apart from the mark as shown on the drawing.
FOR DOLLS AND DOLLS' DRESSES.
Claims use since Mar. 1, 1946.

Ser. No. 520,800. FLEET PRODUCTS INC., New York, N. Y.
Filed Apr. 16, 1947.

MAGIKAR

FOR MINIATURE AUTOMOBILES.
Claims use since Mar. 10, 1947.

Ser. No. 521,294. STAR BAND CO. INC., New York, N. Y.
Filed Apr. 24, 1947.



Applicant disclaims the word "House."
FOR CELLOPHANE CHRISTMAS STOCKINGS.
Claims use since Dec. 1, 1945.

Ser. No. 521,860. GEORGE & SON MFG. CO., Fresno, Calif.
Filed May 1, 1947.



Applicant disclaims the representation of the fishing tackle and the representation of the fish apart from the mark. The man on the drawing is fanciful.
FOR ARTIFICIAL FISHING LURES.
Claims use since Feb. 1, 1947.

Ser. No. 521,982. SHAPIRO DISTRIBUTING CO., Newburgh, N. Y. Filed May 6, 1947.



FOR FOOTBALLS, BASEBALL GLOVES, GOLF-BALLS, BASEBALL BATS, SOFTBALL BATS, FISHING REELS, ROLLER SKATES, TENNIS RACKETS, BASEBALLS, SOFTBALL GLOVES, FISHING HOOKS, FISHING PLUGS, FISHING FLIES, FISHING LEADERS, FISHING RODS, FISHING LINES, ICE SKATES, ARCHERY SETS, GOLF CLUBS, BASKETBALLS AND TENNIS BALLS.
Claims use since Apr. 17, 1947.

Ser. No. 523,706. RICHARD T. SCHELLINGER, Flint, Mich.
Filed June 6, 1947.

Magic MAGNO TOP

Applicant disclaims the word "Top" apart from the mark.

FOR TOY TOP.
Claims use since May 22, 1947.

CLASS 23
CUTLERY, MACHINERY, AND TOOLS, AND
PARTS THEREOF

Ser. No. 482,387. NICHOLSON FILE COMPANY, Providence, R. I. Filed Apr. 20, 1945.

SUPER-SHEAR

FOR FILES.
Claims use since September 1944.

Ser. No. 486,960. LEWIS-SHEPARD PRODUCTS INC., Watertown, Mass. Filed Aug. 9, 1945.

MULTIPLY MAN POWER

FOR MATERIALS-HANDLING EQUIPMENT ACTUATED HORIZONTALLY OR FOR LIFTING PURPOSES MANUALLY OR BY OR WITH THE AID OF MOUNTED POWER UNITS (INCLUDING MECHANICAL OR HYDRAULIC EQUIPMENT, GASOLINE ENGINES, ELECTRIC MOTORS, OR COMBINATION GASOLINE ENGINE-ELECTRIC GENERATOR UNITS)—NAMESLY, LIFT TRUCKS, LIFTING DOLLIES, LIFTING FORK TRUCKS, LIFTING FORK AND TILT TRUCKS, LIFTING INDUSTRIAL POWER TRUCKS, LIFTERS, STACKERS, PORTABLE ELEVATORS AND DUMB-WAITERS, PORTABLE CRANES, AUXILIARY CRANES, HOISTS, PILING MACHINES, AND TIERING MACHINES—TOGETHER WITH ACCESSORIES THEREOF AND PARTS THEREFOR—NAMESLY, CHAIN CONTROLS, TURNTABLES, CANTILEVER JACKS, WINCHES, HIGH-SPEED DRIVES, HINGES FOR HIGH-STACKING MACHINES, LADDERS FOR PERMANENT ATTACHMENT TO HIGH-STACKING MACHINES, HYDRAULIC RELEASES, SPRING BALANCE CYLINDERS, BROKEN CABLE SAFETY DEVICES, ROLLERS, CASTERS, FRAME SPLICES, CABLE CONTROL FLOOR STOPS, PLATFORM RETAINING BARS FOR STACKING MACHINES, DETACHABLE SKIDS, BARREL ROLLS, REMOVABLE ROLLERS, ROLLER PLATFORMS.

Claims use since June 1, 1944.

Ser. No. 492,690. DETROIT HARVESTER COMPANY, Detroit, Mich. Filed Dec. 5, 1945.



FOR HYDRAULICALLY OPERATED VEHICLE WINDOW REGULATORS, HYDRAULICALLY OPERATED VEHICLE SEAT ADJUSTERS, AND HYDRAULIC MECHANISMS FOR OPERATING CONVERTIBLE TOPS FOR VEHICLES.
Claims use since 1940.

Ser. No. 500,456. THE ARIENS COMPANY, Brillion, Wis. Filed Apr. 18, 1946.

Tillivator

FOR MULTIPLE ROW TILLING UNITS, MULTIPLE ROW CULTIVATING UNITS, ROTARY HOE FOR SINGLE ROW CULTIVATION.
Claims use since Dec. 13, 1933.

Ser. No. 503,765. SOCIÉTÉ GENEVOISE D'INSTRUMENTS DE PHYSIQUE, Geneva, Switzerland. Filed June 12, 1946.

MINOPTIC

FOR MACHINE-TOOLS—NAMESLY, JIG BORERS, DRILLING, BORING, AND MILLING MACHINES.
Claims use since Mar. 15, 1946.

Ser. No. 514,195. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Dec. 13, 1946.

FIBERITE

FOR REPLACEMENT FILTERING ELEMENTS FOR GASOLINE FILTERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Nov. 15, 1946.

Ser. No. 515,130. THE OLIVER CORPORATION, Chicago, Ill. Filed Dec. 31, 1946.

T-N-T

FOR PLOWS AND PARTS THEREOF.
Claims use since Sept. 25, 1945.

Ser. No. 515,448. PNEUMATIC TOOL SALES & REPAIR CO., INC., Long Island City, N. Y. Filed Jan. 8, 1947.

HOLEWIZARD

The word "Hole" is disclaimed apart from the mark.
FOR PNEUMATIC DRILLS.
Claims use since Sept. 9, 1946.

Ser. No. 515,593. THE WATS MANUFACTURING ENTERPRISES, Miami, Fla. Filed Jan. 10, 1947.

TIREMATIC

FOR MECHANICAL APPARATUS AND PARTS THEREOF FOR LOOSENING TIRE BEADS FROM WHEEL RIMS AND FOR THRUSTING THE TIRES FREE THEREFROM IN THE REMOVAL OF PNEUMATIC TIRES FROM WHEELS.
Claims use since Apr. 16, 1946.

Ser. No. 516,797. F. A. SMITH MANUFACTURING CO., INC., Rochester, N. Y. Filed Feb. 1, 1947.

FASCO

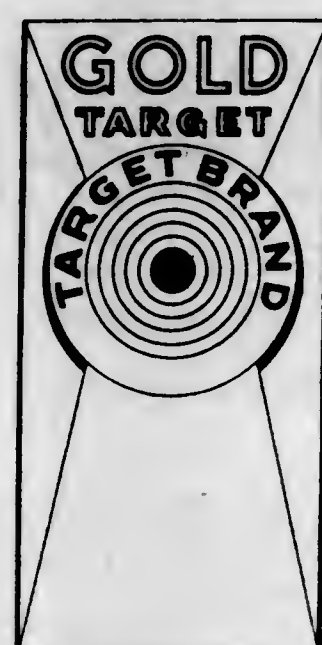
FOR LATHES.
Claims use since July 24, 1942.

Ser. No. 517,810. THE AGRICULTURAL SUPPLY COMPANY, Spring Green, Wis. Filed Feb. 20, 1947.



FOR MECHANICAL POWER-DRIVEN SPRAYERS FOR INSECTICIDES, FUNGICIDES, WEED KILLERS, AND THE LIKE.
Claims use since Dec. 17, 1946.

Ser. No. 519,883. MAGOR CAR CORPORATION, New York, N. Y., and Passaic, N. J. Filed Mar. 31, 1947.



No claim is made to the word "Brand" apart from the mark as shown.
FOR HAND SHOVELS, SCOOPS, AND SPADES.
Claims use since Apr. 1, 1933.

Ser. No. 519,885. MAGOR CAR CORPORATION, New York, N. Y., and Passaic, N. J. Filed Mar. 31, 1947.

ARROW
BRAND



No claim is made to the word "Brand" apart from the mark as shown.
FOR HAND SHOVELS, SCOOPS, AND SPADES.
Claims use since Apr. 1, 1933.

Ser. No. 522,169. WILLIAM JAHNS, JR., doing business as Jahns Engineering Company, Los Angeles, Calif. Filed May 9, 1947.

J.E.

FOR PISTONS.
Claims use since Mar. 15, 1947.

Ser. No. 523,516. FLORIDA LAND CLEARING EQUIPMENT Co., Jacksonville, Fla. Filed June 4, 1947.

FLECO

FOR MACHINE OPERATED DETACHABLE STUMPS AND ROOT RAKES.
Claims use since Apr. 30, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 505,304. MORRIS JACOBY, New York, N. Y. Filed July 9, 1946.

TULOX

FOR OPTICAL FRAMES, LENSES, AND OPHTHALMIC MOUNTINGS.
Claims use since Jan. 5, 1924.

Ser. No. 513,017. ASSOCIATED RESEARCH, INCORPORATED, Chicago, Ill. Filed Nov. 22, 1946.

ASSOCIATED RESEARCH
Incorporated

Applicant disclaims exclusive rights by this registration in the word "Incorporated" apart from the remainder of the mark, and in the word "Research" apart from the word "Associated."

FOR ELECTRICAL MEASURING INSTRUMENTS, SPECIFICALLY APPARATUS FOR DETERMINING THE VOLTAGE AT WHICH ELECTRICAL INSULATION BREAKS DOWN, INSTRUMENTS FOR MEASURING THE RESISTANCE OF ELECTRICAL GROUNDING CONNECTION TO THE EARTH, INSTRUMENTS FOR MEASURING THE ELECTRICAL RESISTANCE OF ELECTRICAL INSULATION, TACHOMETERS, AND PARTS SOLD FOR SUCH MEASURING INSTRUMENTS INCLUDING VOLTMETERS, AMMETERS, GALVANOMETERS, VIBRATORS, SWITCHES, POTENTIOMETERS, AND CURRENT TRANSFORMERS.
Claims use since Nov. 15, 1937.

Ser. No. 513,890. WINFRED S. KRUEGER, doing business as Krueger Sentry Gauge Co., Green Bay, Wis. Filed Dec. 7, 1946.

AT-A-GLANCE

FOR LIQUID LEVEL GAUGES.
Claims use since Sept. 23, 1937.

Ser. No. 515,790. PRECISION APPARATUS COMPANY, INC., Elmhurst, Long Island, N. Y. Filed Jan. 15, 1947.

ELECTRONAMIC

FOR INSTRUMENTS FOR TESTING ELECTRONIC TUBES AND INSTRUMENTS FOR TESTING BOTH ELECTRONIC TUBES AND RADIO RECEIVER CIRCUITS AND OTHER ELECTRONIC AND ELECTRICAL CIRCUITS.

Claims use since September 1939.

Ser. No. 516,246. AMERICAN SPECTACLE CO., INC., New York, N. Y. Filed Jan. 24, 1947.

Cinesol

FOR SUN GLASSES.
Claims use since Jan. 21, 1947.

Ser. No. 516,273. GRAY MARINE MOTOR COMPANY, Detroit, Mich. Filed Jan. 24, 1947.

THERMOGARD

FOR THERMO-RESPONSIVE CONTROL APPARATUS FOR CONTROLLING THE TEMPERATURE OF THE COOLING MEDIUM IN ENGINE COOLING SYSTEMS, THERMOSTATS, AND PARTS THEREOF.
Claims use since Jan. 24, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 524,653. THE HECHT Co., doing business as Hecht Bros. and The Hub, Washington, D. C., Baltimore, Md., and New York, N. Y. Filed June 23, 1947.

HARLEIGH

FOR WATCHES.
Claims use since Apr. 25, 1942.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 512,438. MIDWEST CONSULTANTS, INC., doing business as Precision Miniatures, St. Louis, Mo. Filed Nov. 12, 1946.

LOOK-ZY MINIATURES

No claim is made to the word "Miniatures" per se.
FOR CHARM BRACELETS.
Claims use since June 1, 1946.

Ser. No. 515,615. DUROFLEX CORPORATION, New York, N. Y. Filed Jan. 11, 1947.

DUROFLEX

FOR FLEXIBLE METALLIC WATCH CHAINS AND BANDS (NOT INCLUDING WATCHES).
Claims use since Nov. 12, 1946.

Ser. No. 517,240. DIPPY BUG CO., San Jose, Calif. Filed Feb. 10, 1947.

DIPPY

FOR COSTUME JEWELRY FOR PINNING TO THE COSTUME.
Claims use since Jan. 1, 1947.

Ser. No. 518,757. FELMORE COMPANY, INC., Providence, R. I. Filed Mar. 10, 1947.

Felmore

FOR STERLING SILVER CIGARETTE CASES, AND GOLD, GOLD FILLED, AND STERLING SILVER FINGER RING FILE AND COMB SETS.
Claims use since July 1945.

Ser. No. 519,785. H. WEINRICH COMPANY INC., Philadelphia, Pa. Filed Mar. 28, 1947.

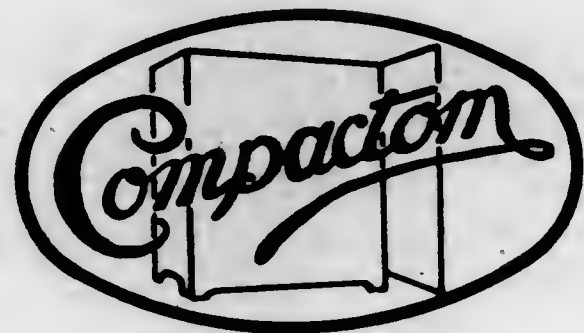
WINEY
Creations

Applicant disclaims the word "Creations" alone and apart from the mark as shown.
FOR FINGER RINGS, EARRINGS, BRACELETS, LOCKETS, NECKLACES, EMPTY COMPACTS PLATED WITH PRECIOUS METALS, ORNAMENTAL PINS, BROOCHES, NOVELTY AND COSTUME JEWELRY.
Claims use since on or about Sept. 28, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 489,390. COMPACTOM LIMITED, London, England. Filed Oct. 4, 1945.



No claim is made to the representation of the piece of furniture, apart from the mark shown.

FOR BEDROOM FURNITURE—NAMESLY, FITTED WARDROBES, CHESTS OF DRAWERS, DRESSING TABLES, HEAD BOARDS FOR BEDS, FOOT BOARDS FOR BEDS, AND PEDESTAL CUPBOARDS BOTH AS SEPARATE ARTICLES AND ALSO AS BUILT-IN FURNITURE FIXTURES WHICH ARE THE PERMANENT STRUCTURAL PARTS OF BEDROOMS; AND MOVABLE ARTICLES OF FURNITURE ON THE ORDER OF CARTS, SPECIFICALLY KNOWN AS TROLLEYS—NAMESLY, TEA TROLLEYS, BEDSIDE TROLLEYS, WORK TABLE TROLLEYS, COCKTAIL TROLLEYS, READING TROLLEYS, WRITING TABLE TROLLEYS, BATHROOM TROLLEYS; AND COMBINED TROLLEYS AND TABLES WHICH CAN BE USED IN A CLOSED POSITION FOR SERVING FOOD, FOR WHEELING CUTLERY, CHINA, HOSPITAL INSTRUMENTS OR FOR USE AS SIDE TABLES BUT CAN BE OPENED OUT TO FORM A TABLE WHICH, ACCORDING TO SIZE, IS SUITABLE FOR USE AS A CARD TABLE, DINING TABLE, TEA TABLE, WORK TABLE; AND VALET STANDS FOR HOLDING CLOTHES WHEN REMOVED FROM THE PERSON OR FOR LAYING OUT CLOTHES READY FOR DRESSING; AND VALET STANDS INCLUDING A SOILED LINEN BIN.

Claims use since Dec. 3, 1923.

Ser. No. 493,448. NATIONAL MATTRESS COMPANY, Huntington, W. Va. Filed Dec. 17, 1945.

Little Playmate

Exclusive right to the word "Little" is not claimed apart from the rest of the mark.

FOR MATTRESSES, CRIBS, CHILDREN'S PLAYPENS, CRIB AND COT PADS, HIGH-CHAIRS, BASSINETS, PADDED TOILET SEAT COVERS FOR NURSERY USE, AND CRIB BUMPERS.

Claims use since July 10, 1945.

Ser. No. 493,512. REGAL PLASTIC COMPANY, Kansas City, Mo. Filed Dec. 18, 1945.



FOR LAMP TABLES, COCKTAIL AND COFFEE TABLES, AND CORNER SHELVES.

Claims use since Dec. 3, 1945.

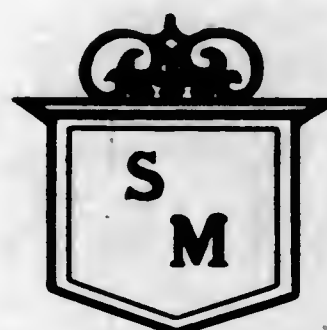
Ser. No. 514,999. TOLEDO VENETIAN BLIND COMPANY, INCORPORATED, Toledo, Ohio. Filed Dec. 28, 1946.



FOR ALL TYPES OF VENETIAN BLINDS.

Claims use since June 17, 1946.

Ser. No. 520,910. SUNRISE MATTRESS CO., INC., Hempstead, N. Y. Filed Apr. 17, 1947.



LONDON HALL

No claim is made to the word "London" apart from the mark.

FOR MATTRESSES.

Claims use since 1943.

Ser. No. 523,466. THE HECHT CO., also doing business as the Hecht Bros. and The Hub, Washington, D. C., Baltimore, Md., and New York, N. Y. Filed June 3, 1947.

Concord House

No claim is made to the word "House" apart from the mark shown.

FOR LIVING ROOM FURNITURE—NAMESLY, SOFAS, EASY CHAIRS, OCCASIONAL CHAIRS, COMMODOES, COCKTAIL TABLES, BREAKFRONTS, SIDE CHAIRS, LAMP TABLES, PIER CABINETS, COFFEE TABLES, DESKS, AND SECRETARIES; DINING ROOM FURNITURE—NAMESLY, TABLES, BUFFETS, SERVERS, ARM CHAIRS, SIDE CHAIRS, EASY CHAIRS, COCKTAIL TABLES, AND CHINA CABINETS; AND BEDROOM FURNITURE—NAMESLY, BEDS, CHESTS, VANITIES, NIGHT TABLES, VANITY BENCHES, BOUDOIR CHAIRS, DRESSERS, CHAISE LONGUES, AND OTTOMANS.

Claim use since Aug. 15, 1940.

CLASS 33

GLASSWARE

Ser. No. 514,585. AKTS. HOLMEGAARDS GLASVAERK, Copenhagen, Denmark. Filed Dec. 20, 1946.

HOLMEGAARD'S GLASS

The word "Glass" is disclaimed apart from the mark as shown.

FOR TUMBLERS, WINE GLASSES, WATER GLASSES, BOWLS, DISHES, JUGS, VASES, TRAYS, DECANTERS, AND GLASSES FOR SERVING BEVERAGES, LIQUORS AND LIQUEURS.

Claims use since 1926.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 496,602. JACOB W. BLESHEMAN, doing business as Blesheeman Lamp and Shade Co., Philadelphia, Pa. Filed Feb. 15, 1946.



FOR LAMP SHADES.

Claims use since on or about Mar. 1, 1945.

Ser. No. 497,102. IMPERIAL MOLDED PRODUCTS CORPORATION, Chicago, Ill. Filed Feb. 23, 1946.



FOR MOLDED AND CAST, NATURAL AND SYNTHETIC, RESIN AND PLASTIC BASES, BACKINGS, SUPPORTS AND SHADE FRAMES FOR FLOOR, TABLE, BRIDGE, AND BOUDOIR LAMPS AND LIGHTING FIXTURES.

Claims use since July 1932.

Ser. No. 505,787. CHARLES F. WOODMANSEE, doing business as Automatic Water Heater Sales Co., San Francisco, Calif. Filed July 17, 1946.

PITTCO

FOR WATER HEATERS AND PARTS AND ACCESSORIES THEREOF, IDENTIFIED AS FOLLOWS: WATER HEATERS, USING NATURAL, MANUFACTURED AND BOTTLED GAS AND LIQUIFIED PETROLEUM GASES FOR FUEL; FLOOR FURNACES, USING NATURAL, MANUFACTURED AND BOTTLED GAS FOR FUEL; OIL WATER HEATERS, KNOWN AS "POT TYPE" AND USING STOVE OIL FOR FUEL.

Claims use since November 1938.

Ser. No. 507,327. MCKEOWN ENGINEERING COMPANY, Buffalo, N. Y., assignor to Fuel-Mizer Corporation, Buffalo, N. Y., a corporation of New York. Filed Aug. 13, 1946.

FUEL MIZER

No claim is made to the word "Fuel" apart from the mark.

FOR APPARATUS FOR INSIDE ATTACHMENT TO THE FIRE DOOR OR WALL OF A COAL BURNING FURNACE OR THE LIKE, THROUGH WHICH MAY PASS A STREAM OF AIR WHICH IS SUPERHEATED BY SUCH APPARATUS SO THAT IT READILY COMBINES WITH ANY UNBURNED GASES ARISING FROM THE FUEL BED, THUS EFFECTING EFFICIENCY AND ECONOMY.

Claims use since April 1935.

Ser. No. 508,853. NATIONAL ENGINEERING & EQUIPMENT COMPANY, Providence, R. I. Filed Sept. 11, 1946.

FUELMIZER

FOR WASTE HEAT ECONOMIZERS FOR USE IN DOMESTIC HEATING SYSTEMS FOR ABSTRACTING HEAT FROM WASTE GASES AND TRANSMITTING THE ABSTRACTED HEAT TO HEATING FLUID.

Claims use since Feb. 1, 1942.

Ser. No. 511,794. CARGOCAIRE ENGINEERING CORPORATION, New York, N. Y. Filed Oct. 31, 1946.

DRYNAMICS

FOR AIR CONDITIONING APPARATUS INTENDED PRIMARILY FOR DEHUMIDIFICATION.
Claims use since Apr. 23, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 516,446. SEALOL CORPORATION, Providence, R. I. Filed Jan. 27, 1947.



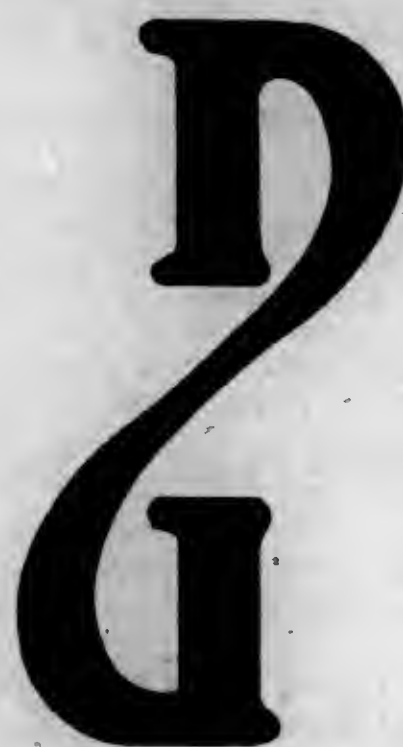
FOR MECHANICAL SEAL FOR ROTARY SHAFTS COMPRISING TWO RELATIVELY ROTATING MEMBERS.
Claims use since July 9, 1946.

Ser. No. 523,033. DETROIT GASKET & MANUFACTURING COMPANY, Detroit, Mich. Filed May 26, 1947.

DEE - GEE

FOR GASKETS FOR INTERNAL COMBUSTION ENGINES AND ASSOCIATED PARTS.
Claims use since Oct. 14, 1930.

Ser. No. 523,034. DETROIT GASKET & MANUFACTURING COMPANY, Detroit, Mich. Filed May 26, 1947.



The trade-mark consists of the letters "D" and "G" connected together, as shown.
FOR GASKETS FOR INTERNAL COMBUSTION ENGINES AND ASSOCIATED PARTS.
Claims use since on or about Oct. 14, 1930.

Ser. No. 523,662. GOODALL RUBBER COMPANY, INC., Trenton, N. J. Filed June 6, 1947.



No claim is made to the words "Goodall Rubber Co., Inc.," apart from the mark as shown.
FOR SHEET PACKING, INDUSTRIAL BELTING, AND HOSE.
Claims use since 1922.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 516,895. IMPERIAL RECORD CO., Los Angeles, Calif. Filed Feb. 4, 1947.



No claim is made to the word "Discos."
FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE.
Claims use since Apr. 14, 1946.

Ser. No. 521,578. JUPITER RECORD CORP., New York, N. Y. Filed Apr. 30, 1947.



FOR PHONOGRAPH RECORDS OF THE MECHANICALLY GROOVED TYPE.
Claims use since Dec. 13, 1946.

Ser. No. 522,062. DOMINICAN RECORDING CO., Ciudad Trujillo, Dominican Republic. Filed May 8, 1947.



No claim is made to the representation of a label nor any of the wording appearing on the drawing except the word "Caracol."
FOR MECHANICALLY GROOVED SOUND REPRODUCING RECORDS.
Claims use since Oct. 24, 1946.

Ser. No. 523,717. TREASURVOX, New York, N. Y. Filed June 6, 1947.

TREASURVOX

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since May 31, 1947.

Ser. No. 526,288. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed July 4, 1947.

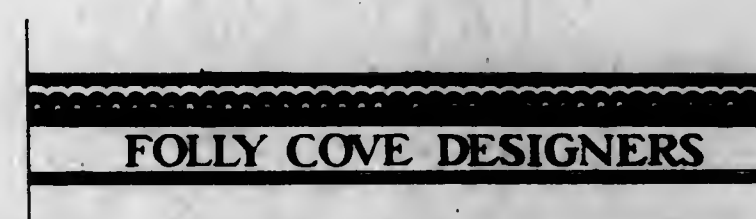
RCA VICTOR

FOR NON-ELECTRICAL PHONOGRAPHS, NON-ELECTRIC SOUND RECORDS FOR PHONOGRAPHS, PHONOGRAPH RECORD BLANKS, PHONOGRAPH RECORD ALBUMS, AND PHONOGRAPH STYLI OR NEEDLES.
Claims use on non-electrical phonographs since Mar. 28, 1947; on non-electric sound records for phonographs since Sept. 18, 1945; on phonograph record blanks since Mar. 27, 1947; on phonograph record albums since May 14, 1946; and on phonograph styli or needles since Nov. 15, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 516,407. FOLLY COVE DESIGNERS, Gloucester and Annisquam, Mass. Filed Jan. 27, 1947.



Applicant disclaims exclusive use of the word "Designers."
FOR WALLPAPER AND WRAPPING PAPER.
Claims use since Dec. 1, 1941.

606 O. G.—3

Ser. No. 523,946. BULKLEY, DUNTON & CO. INCORPORATED, New York, N. Y. Filed June 11, 1947.



Applicant disclaims all wording apart from the mark. The drawing is lined for shading only.
FOR BOND PAPERS, PRINTING PAPERS, BOOK PAPERS, PACKAGING PAPERS, AND DISPLAY PAPERS.
Claims use since Jan. 2, 1946.

Ser. No. 524,112. THE DOCORA CORPORATION, Fort Edward, N. Y. Filed June 13, 1947.

CORALINER

FOR PAPER COATED WITH POLYVINYLIDINE CHLORIDE AND CO-POLYMERS THEREOF USED FOR MAGAZINE COVERS AND INSIDE PROTECTIVE COVERINGS FOR BOTTLE CAPS, FOOD CONTAINERS AND WHEREVER WATERPROOF PAPER HIGHLY RESISTANT TO CHEMICAL REACTION IS ADVANTAGEOUS.
Claims use since Apr. 25, 1947.

Ser. No. 526,005. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



FOR PAPER TABLETS.
Claims use since 1908.

Ser. No. 526,006. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



FOR PAPER TABLETS.
Claims use since 1908 as to "Big Chief," and in the form shown since 1937.

Ser. No. 526,024. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



No claim is made to the paper sheet design apart from the mark.

FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.
Claims use since 1935.

Ser. No. 526,111. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.
Claims use since 1934.

Ser. No. 526,112. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

RESTFUL

FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.
Claims use since Jan. 7, 1938.

Ser. No. 526,117. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

Schoolmate

FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.
Claims use since Mar. 4, 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 515,335. JOHN JOSEPH SCULLY, JR., Port Arthur, Tex. Filed Jan. 6, 1947.

Hubba Hubba and Kilroy

Applicant disclaims the surname "Kilroy," apart from the words "Hubba Hubba and Kilroy."
FOR CARTOON STRIP.
Claims use since Dec. 16, 1946.

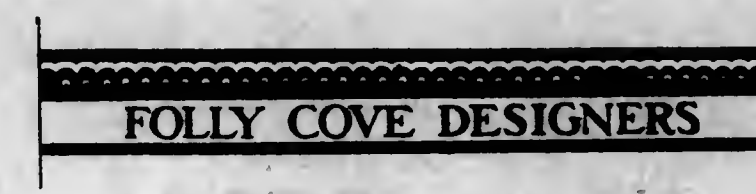
Ser. No. 515,703. EMPIRE STATESMAN, INC., New York, N. Y. Filed Jan. 14, 1947.

The Empire STATESMAN

The lining is for shading only. No claim to the outline of the State of New York is made apart from the mark shown.

FOR MONTHLY PUBLICATION.
Claims use since October 1944.

Ser. No. 516,405. FOLLY COVE DESIGNERS, Gloucester and Annisquam, Mass. Filed Jan. 27, 1947.



Applicant disclaims exclusive use of the word "Designers."
FOR PICTURE PRINTS, CHRISTMAS CARDS, AND CALENDARS.
Claims use since Dec. 1, 1941.

CLASS 39

CLOTHING

Ser. No. 480,679. A. SANDLER CO., Boston, Mass. Filed Mar. 8, 1945.

SPORTSTER

Applicant is the owner of the trade-mark shown in registration No. 273,996, issued Aug. 19, 1930.
FOR SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF FOR WOMEN, MISSES, AND GROWING GIRLS.
Claims use since October 1926.

Ser. No. 492,712. JULIUS KAYSER & CO., New York, N. Y. Filed Dec. 5, 1945.

Barelon

FOR HOSIERY.
Claims use since Nov. 7, 1945.

Ser. No. 493,050. DESCO SHOE CORPORATION, Long Island City, N. Y. Filed Dec. 11, 1945.

DESCOETTES

FOR MEN'S AND BOYS' SHOES AND SLIPPERS MADE OF LEATHER, CANVAS, FABRIC, IMITATION LEATHERS OR COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since September 1945.

Ser. No. 494,496. FREEMAN MANUFACTURING COMPANY, Sturgis, Mich. Filed Jan. 9, 1946.

PARADE

FOR LADIES' GIRDLES AND PANTIE GIRDLES.
Claims use since Nov. 13, 1945.

Ser. No. 497,939. G. R. KINNEY CO. INC., New York, N. Y. Filed Mar. 9, 1946.

Revette

FOR WOMEN'S LEATHER AND FABRIC GLOVES, HOSIERY, AND LEATHER AND FABRIC SHOES.
Claims use since Feb. 20, 1946.

Ser. No. 500,860. CARWOOD MANUFACTURING COMPANY, Winder, Ga. Filed Apr. 25, 1946.

SAMSON

FOR MEN'S AND BOYS' OVERALLS.
Claims use since September 1935.

Ser. No. 502,574. RUBIN GRAIS & SONS, Chicago, Ill. Filed May 22, 1946.

cubbie

No claim is made to the exclusive use of the words "Keeps Little Men Snug" apart from the mark.
FOR INFANTS' AND CHILDREN'S LEATHER JACKETS.
Claims use since May 16, 1946.

Ser. No. 505,661. ANN MARILYN OF CALIFORNIA, Los Angeles, Calif. Filed July 15, 1946.

AM-A-TOY

On the drawing the mark is illustrated as being red where the drawing is crosshatched vertically and being blue where the crosshatching is horizontal.
FOR CHILDREN'S DRESSES, PINAFORES AND DRESSES.
Claims use since May 17, 1946.

Ser. No. 507,563. ARROW ELASTIC FABRIC CO., West New York, N. J. Filed Aug. 17, 1946.

Resillon

FOR GIRDLES.
Claims use since July 17, 1946.

Ser. No. 511,267. EDDY-FORM, INC., New York, N. Y.
Filed Oct. 22, 1946.

ATTITUDE

FOR FOUNDATION GARMENTS, CONSISTING OF GIRDLES, COMBINATIONS COMPRISING A BRA AND CORSET, GARTER BELTS, AND BRASSIÈRES.
Claims use since Oct. 7, 1946.

Ser. No. 512,646. MRS. DAY'S IDEAL BABY SHOE COMPANY, INC., Danvers, Mass. Filed Nov. 15, 1946.



The picture of the baby is fanciful. No claim to registration rights is made to the pictorial representation of the shoe apart from the mark.

FOR SHOES, SLIPPERS, BOOTS, AND MOCCASINS FOR CHILDREN.

Claims use since Mar. 1, 1903.

Ser. No. 512,923. NEWTON ELKIN SHOE COMPANY, Philadelphia, Pa. Filed Nov. 20, 1946.

Newton Elkin

The trade-mark here shown is a facsimile of the signature of Newton Elkin, the founder of the applicant, Newton Elkin Shoe Company.

FOR SHOES.

Claims use since on or about Dec. 9, 1938.

Ser. No. 513,477. TABIN-PICKER & COMPANY, Chicago, Ill. Filed Nov. 29, 1946.



FOR COTTON, SILK, AND ARTIFICIAL-SILK APRONS AND DRESSES.
Claims use since Jan. 28, 1926.

Ser. No. 515,666. MARX & NEWMAN COMPANY, INC., New York, N. Y. Filed Jan. 13, 1947.



The word "Creations" is disclaimed apart from the mark.

FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF.

Claims use since March 1944.

Ser. No. 516,733. SAKS & COMPANY, New York, N. Y. Filed Jan. 31, 1947.

Sophie

FOR WOMEN'S AND MISSES' HATS; DRESSES, BLOUSES, COATS, JACKETS, CAPES, FUR ARTICLES—NAMESLY, COATS, CAPES, JACKETS, STOLE, AND SCARVES; SUITS, SCARVES, SHOES, MADE OF LEATHER, FABRIC, AND COMBINATION THEREOF, GLOVES MADE OF LEATHER, FABRIC, AND COMBINATION THEREOF.

Claims use since Dec. 23, 1946.

Ser. No. 517,156. PLASTI INDUSTRIES, INC., Winona, Minn. Filed Feb. 7, 1947.

"PUDDLER'S"

FOR SANDALS AND LIGHT OVERSHOES.
Claims use since Jan. 6, 1947.

Ser. No. 518,811. BEAU-ART LINGERIE CO. INC., New York, N. Y. Filed Mar. 11, 1947.

Bo Nita

FOR WOMEN'S, MISSES' AND JUNIOR MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, PANTIES, PETTICOATS, AND BED JACKETS.
Claims use since August 1946.

Ser. No. 519,295. JACK RAPPAPORT CO., INC., New York, N. Y. Filed Mar. 19, 1947.

Statuesque

FOR UNDERGARMENTS FOR WOMEN—NAMESLY, SLIPS AND GOWNS.

Claims use since Mar. 7, 1947.

Ser. No. 520,144. CARDEAN KNITWEAR COMPANY, Baltimore, Md. Filed Apr. 4, 1947.



No claim is made to the words "Knitwear," "Company," and "Round the Seasons" apart from the mark.

FOR MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, SWIM SUITS, SPORT JACKETS, SPORT SHIRTS, AND BLOUSES.

Claims use since Apr. 15, 1946.

Ser. No. 520,206. EYE-FUL LINGERIE INC., New York, N. Y. Filed Apr. 5, 1947.



FOR LADIES' UNDERGARMENTS—NAMESLY, SLIPS, BRASSIÈRES, GIRDLES, PANTIES, PANTY GIRDLES, NEGLIGES, AND GOWNS.

Claims use since Jan. 1, 1946.

Ser. No. 520,269. R. W. ELDRIDGE CO., INC., Charlotte, N. C. Filed Apr. 7, 1947.



No claim is made to the words "The Original" apart from the mark.

FOR HANDKERCHIEFS, SCARFS, AND BATHING SUITS.

Claims use since Feb. 3, 1947.

Ser. No. 520,928. BOND STORES, INCORPORATED, New York, N. Y. Filed Apr. 18, 1947.

Perma-Blocked

No claim is made to the exclusive use of the word "Blocked" apart from the mark.

FOR MEN'S HATS.

Claims use since Feb. 26, 1947.

Ser. No. 521,125. FRANK BROS.-NEPTUNE MFG. CO., Louisville, Ky. Filed Apr. 22, 1947.

Brian-Knit

The word "Knit" is disclaimed apart from the mark.
FOR MEN'S TOPCOATS AND OVERCOATS.
Claims use since October 1942.

Ser. No. 521,199. C. H. MASLAND & SONS, Carlisle, Pa. Filed Apr. 23, 1947.



The portrait of the man shown on the trade-mark does not represent an actual person, but is purely a fanciful figure.

FOR SPORTSWEAR—NAMESLY, HUNTING AND FISHING COATS, VESTS, JACKETS, AND CAPES EQUIPPED WITH DETACHABLE GAME POCKETS, AND FISH CREELS TAILORED AS PART OF THE GARMENT ASSEMBLY AND SOLD THEREWITH.

Claims use since Jan. 2, 1947.

Ser. No. 522,971. DANIEL SANDERS, New York, N. Y. Filed May 24, 1947.

Saucy Sandy

FOR LADIES' PAJAMAS, SLIPS, NIGHTGOWNS, PANTIES, AND PETTICOATS.
Claims use since Oct. 15, 1946.

Ser. No. 523,605. HELEN SHAW ORMSBEE, Portland, Maine.
Filed June 5, 1947.

SEACROFT

FOR LADIES' AND MISSES' BLOUSES, DRESSES, COATS, SUITS, JACKETS, SPORT SOCKS, GLOVES MADE OF LEATHER OR FABRIC, HATS, APPAREL BELTS, SWEATERS, BATH ROBES, BATHING SUITS, SHORTS, AND SLACKS.
Claims use since January 1947.

Ser. No. 525,778. BOND STORES, INCORPORATED, New York, N. Y. Filed July 3, 1947.

Vogue Manor

No claim is made to the word "Vogue" apart from the mark as shown.

FOR GIRLS', MISSES' AND WOMEN'S SUITS, WOVEN FABRIC COATS, DRESSES, SWEATERS, BLOUSES, SLACKS, SKIRTS, NIGHT GOWNS, NIGHT SHIRTS, PETTICOATS, PANTIES, HATS, SLIPS, PAJAMAS, LOUNGING ROBES, BATH ROBES AND BEACH ROBES, CORSETS, GIRDLES, BRASSIERES, SHOES OF LEATHER, FABRIC OR COMBINATION THEREOF, BATHING SUITS, SCARVES, RAINCOATS, SPORTS JACKETS, HOUSE COATS, BRUNCH COATS, JUMPERS, GLOVES, APPAREL BELTS (GARTER BELTS), AND HOSIERY; AND MEN'S, YOUNG MEN'S, AND BOYS' SUITS, OVERCOATS, TOPCOATS, DRESS SUITS, RAINCOATS, TROUSERS, SPORTS COATS, SPORTS JACKETS, HATS, CAPS, SHIRTS, NECKTIES, HOSE, LOUNGING ROBES, BATH ROBES, AND BEACH ROBES, UNDERSHIRTS AND PANTS, MUFFLERS, GLOVES, APPAREL BELTS, GARTERS, SUSPENDERS, HANDKERCHIEFS, SPORTS ENSEMBLES CONSISTING OF A COMBINATION OF SPORTS JACKET OR SPORTS SHIRT AND TROUSERS, PAJAMAS, SWEATERS, AND BATHING SUITS.

Claims use since Mar. 2, 1945, for girls', misses', and women's wear; and since Mar. 5, 1945, on men's, young men's, and boys' wear.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 496,945. ARCHER RUBBER COMPANY, Milford, Mass. Filed Feb. 20, 1946.

ROYAL ARCHER

FOR ELASTIC CORSET FABRIC IN THE PIECE.
Claims use since January 1925.

Ser. No. 497,442. ARCHER RUBBER COMPANY, Milford, Mass. Filed Mar. 1, 1946.



No claim is made to the words "Rubber Company" apart from the mark as shown.
FOR ELASTIC CORSET FABRIC IN THE PIECE.
Claims use since January 1925.

Ser. No. 497,646. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 5, 1946.

TUBIZE

FOR TEXTILE FABRICS MADE OF CELLULOSE ACETATE TYPE YARNS AND VISCOSE OR REGENERATED CELLULOSE (RAYON) YARNS, ALONE AND IN ADMIXTURE WITH EACH OTHER AND IN ADMIXTURE WITH COTTON, WOOL, OR SILK.
Claims use since July 1933.

Ser. No. 516,133. JACQMAR LIMITED, London, England. Filed Jan. 22, 1947.

Jacqmar

FOR PIECE GOODS OF RAYON, NYLON, GLASS, METAL, PROTEIN, AND PLASTIC YARNS.
Claims use since 1930.

Ser. No. 524,631. SUSQUEHANNA MILLS, INC., New York, N. Y. Filed June 21, 1947.

BONOSHEEN

FOR WORSTED WOOLEN GABARDINE FABRICS IN THE PIECE.
Claims use since June 16, 1947.

CLASS 43

THREAD AND YARN

Ser. No. 518,918. SPUN FIBERS, INC., Lenoir, N. C. Filed Mar. 12, 1947.

NYSPUN

FOR YARN OF WOOL AND NYLON HAVING A WOOL PLATING AND A NYLON CORE.
Claims use since Mar. 7, 1947.

Ser. No. 521,749. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 2, 1947.

LUSTRAND

FOR THREAD AND YARNS MADE OF VARIOUS SYNTHETIC RESINS.
Claims use since Apr. 11, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 515,965. VIVIENNE B. STAMMER, Appleton, Wis. Filed Jan. 18, 1947.

THER-NOW

FOR HOLDER FOR NURSING BOTTLES.
Claims use since May 15, 1946.

Ser. No. 516,363. BESSIE LONDON, Baltimore, Md. Filed Jan. 25, 1947.

HEALTHWAY SLENDERIZER

The word "Slenderizer" is disclaimed apart from the mark as shown.

FOR BODY MASSAGING APPARATUS USED AS A WEIGHT REDUCER.

Claims use since Aug. 7, 1946.

Ser. No. 517,691. JACK ELDREDGE, Cleveland, Ohio. Filed Feb. 21, 1947.

Jack Eldredge

The signature constituting this trade-mark is the signature of the applicant.

FOR FOOT MASSAGE ROLLERS AND EXERCISERS AND ARCH SUPPORTS.

Claims use since Feb. 1, 1946.

Ser. No. 519,092. WINONA Y. PADGETT, executrix of the estate of Dr. Earl C. Padgett, doing business as Kansas City Assemblage Company, Kansas City, Mo. Filed Mar. 15, 1947.

DERMATOME

FOR SURGICAL APPARATUS FOR INCISING A LAYER OF SKIN FOR SKIN GRAFTING OR PLASTIC SURGERY.

Claims use since Aug. 7, 1939.

Ser. No. 520,488. XPRAY CORPORATION, New York, N. Y. Filed Apr. 10, 1947.

Xpray

FOR ATOMIZERS.
Claims use since Jan. 10, 1947.

Ser. No. 522,215. LENA ROSE WORTH, doing business as Everhot Heating Pad Co., Newark, N. J. Filed May 10, 1947.



The drawing is lined to represent the color green. The words "Ever-Hot" and "The Original" are disclaimed apart from the mark shown.

FOR CHEMICALLY-HEATED PADS.

Claims use since May 1, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 479,488. JOSEPH MIDDLEBY, JR., INC., Boston, Mass. Filed Feb. 6, 1945.

THIRST-AID

"FIRST AID FOR YOUR THIRST"

FOR NONALCOHOLIC MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS THEREFOR.
Claims use since Nov. 17, 1921.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 501,751. MAX MCGRAW, doing business as Fin 'n Feather Club, Dundee, Ill. Filed May 9, 1946.

Fin 'n Feather

FOR FOOD PRODUCTS—NAMELY, BONED PHEASANT, PHEASANT A LA NEWBERG, SMOKED PHEASANT, SMOKED DUCK MALLARD, SMOKED WILD TURKEY, SMOKED TURKEY, SMOKED CAPON, SMOKED GUINEA HEN, WILD RICE, DRESSED WHOLE PHEASANT, SMOKED TURKEY PATE, SMOKED PHEASANT PATE, AND SMOKED SEASONING SALT.
Claims use since July 1, 1939.

Ser. No. 502,910. MEXICAN CHILE SUPPLY COMPANY, Fort Worth, Tex. Filed May 28, 1946.



The representation of the Mexican is fanciful.
FOR CHILE POWDER, CHILE PEPPERS, AND PACKAGED GARLIC.
Claims use since Sept. 1, 1930.

Ser. No. 512,124. KRAFT FOODS COMPANY, Chicago, Ill. Filed Nov. 6, 1946.

KRAYLETS

FOR FEED SUPPLEMENT COMPOSED OF EIGHTY PER CENT MILK PRODUCTS AND THEIR BY-PRODUCTS.
Claims use since Dec. 21, 1945.

Ser. No. 512,580. CREAM DOVE MFG. CO. INC., Binghamton, N. Y. Filed Nov. 14, 1946.

Cream Dove

FOR PEANUT BUTTER.
Claims use since March 1935.

Ser. No. 513,658. RALPH FORREY, doing business as Omak Evaporating Company, Omak, Wash. Filed Dec. 4, 1946.

OMACHE

FOR DRIED FRUITS AND VEGETABLES.
Claims use since on or about Sept. 15, 1938.

Ser. No. 515,870. ALBERT A. ESRICK, St. Petersburg, Fla. Filed Jan. 17, 1947.

FOXIES

FOR FOOD FOR CATS AND DOGS.
Claims use since November 1945.

Ser. No. 517,692. H. BARON & CO. INC., Linden, N. J. Filed Feb. 18, 1947.

Fruit Fair

No claim is made to the word "Fruit" apart from the mark as shown.
FOR FRUIT PRESERVES—NAMELY, BING CHERRY, APRICOT, GOOSEBERRY, STRAWBERRY, PEACH, BLACKBERRY, AND BLACK RASPBERRY.
Claims use since Jan. 27, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 480,600. MACALASTER BICKNELL COMPANY, Cambridge, Mass. Filed Mar. 7, 1945.

POUR-O-VAC

The word "Pour" is disclaimed apart from the mark.
FOR NON-METALLIC CONTAINER CLOSURES ESPECIALLY ADAPTED FOR USE IN HERMETIC STORING AND IN STERILE DISPENSING OF FLUIDS—NAMELY, COLLARS OF FLEXIBLE RUBBEROUS MATERIAL AND CAPS OF NON-CORROSIVE RIGID MOLDED PLASTIC MATERIAL, SEPARATELY AND IN ASSEMBLY.
Claims use since Aug. 10, 1944.

Ser. No. 524,129. GLAZIERS' TOOL MFG. CORP., Chicago, Ill. Filed June 13, 1947.

TROJAN

FOR RESILIENT BUTTONS MADE OF FELT, RUBBER OR THE LIKE FOR SUPPORTING GLASS ON A DESK OR TABLE.
Claims use since September 1938.

Ser. No. 520,496. CARAVETTA FOODS CO., Chicago, Ill. Filed Apr. 11, 1947.

RIVIERA

FOR CHEESE.
Claims use since Nov. 3, 1926.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 518,482. RAWLINGS & SONS (LONDON) LIMITED, London, England. Filed Mar. 4, 1947.

PRUHT

FOR APERITIF LIQUEUR.
Claims use since March 1943.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

CLASS 7

CORDAGE

Ser. No. 526,839. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 526,570. ASBESTOS COMPANY OF TEXAS, Houston, Tex. Filed July 5, 1947.

Mainstay

Applicant claims ownership of registration No. 426,536.
FOR TWINE.
Claims use since Aug. 2, 1922.

MUSTANG

FOR ASBESTOS SIDING.
Claims use since May 2, 1947.

Ser. No. 527,159. T. J. MOSS TIE COMPANY, St. Louis, Mo.
Filed July 5, 1947.

MC

Applicant claims ownership of registration No. 262,756.
FOR RAILROAD CROSSTIES, RAILROAD SWITCH
TIES, TIMBERS FOR CONSTRUCTION PURPOSES,
POLES, PILING.
Claims use since 1902.

Ser. No. 529,530. HASKELITE MANUFACTURING CORPORATION, Grand Rapids, Mich. Filed July 19, 1947.

PLYMOLD

FOR UNFINISHED PLYWOOD SHAPES IN THE
FORM OF SHELLS AND PANELS.
Claims use since June 19, 1942.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND
NONMETALLIC TIRES

Ser. No. 526,582. MCQUAY-NORRIS MANUFACTURING CO.,
St. Louis, Mo. Filed July 5, 1947. Under section 2f
of the act of 1946.

LEAK-PROOF

Applicant claims ownership of registration No. 141,770.
FOR PISTON RINGS AND EXPANDERS THEREFOR.
Claims use since December 1910.

CLASS 39

CLOTHING

Ser. No. 526,966. MRS. DAY'S IDEAL BABY SHOE COMPANY,
INC., Danvers, Mass. Filed July 5, 1947. Under section
2f of the act of 1946.

MRS. DAY'S

FOR BABIES' AND CHILDREN'S SHOES, SLIPPERS
AND BOOTIES OF SHEEPSKIN, KID, CALF AND FAB-
RIC AND COMBINATIONS THEREOF.
Claims use since Jan. 1, 1925.

Ser. No. 528,440. ISAAC GINSBERG & BROS. INC., New
York, N. Y. Filed July 12, 1947.

Queen Make

Applicant claims ownership of registration No. 157,074
(renewed).
FOR WOMEN'S DRESSES.
Claims use since November 1903.

Ser. No. 528,812. H. & J. NALIBOTSKY CO., INC., Phila-
delphia, Pa. Filed July 17, 1947.

nali-bee



"Fit for a Queen"

No claim is made to the expression "Fit for a Queen"
apart from the mark as shown. Applicant claims own-
ership of registration No. 267,642.
FOR WOMEN'S DRESSES.
Claims use since July 1, 1947.

Ser. No. 528,899. LOU TISHMAN CO., INC., New York,
N. Y. Filed July 18, 1947.

GLOCCA MORRA

FOR LADIES' COATS.
Claims use since July 9, 1947.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 529,454. THE FRANKFORD UMBRELLA MANUFAC-
TURING COMPANY, Philadelphia, Pa. Filed July 25, 1947.

"FRANKFOLD"

FOR COLLAPSIBLE POCKET UMBRELLAS.
Claims use since June 27, 1947.

CLASS 43

THREAD AND YARN

Ser. No. 528,111. STANDARD-COOSA-THATCHER COMPANY,
Chattanooga, Tenn. Filed July 8, 1947.

GIRDLETTE

FOR THREAD.
Claims use since Oct. 2, 1940.

Ser. No. 528,161. STANDARD-COOSA-THATCHER COMPANY,
Chattanooga, Tenn. Filed July 8, 1947.

ADJUTANT

FOR THREAD.
Claims use since Jan. 9, 1933.

Ser. No. 529,315. SPINNERIN YARN CO., INC., New York,
N. Y. Filed July 23, 1947.

FIREFLY

FOR YARN.
Claims use since July 11, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

JANUARY 6, 1948

- 435,590. SAUSAGE. PARKER HOUSE SAUSAGE Co., Chicago, Ill.
Filed December 6, 1943. Serial No. 465,547. PUBLISHED SEPTEMBER 23, 1947. Class 46.
- 435,591. CANNED SALMON. KARL DEHN, doing business as Norland Packing Co., Seattle, Wash., assignor to Dehn & Co., Inc., Seattle, Wash., a corporation of Washington.
Filed January 18, 1944. Serial No. 466,668. PUBLISHED SEPTEMBER 23, 1947. Class 46.
- 435,592. YEAST EXTRACT USED PRIMARILY AS A SPREAD AND ALSO AS A FOOD FLAVORING IN SOUPS AND GRAVIES. KRAFT WALKER CHEESE COMPANY PROPRIETARY LIMITED, South Melbourne, Victoria, Australia.
Filed January 15, 1944. Serial No. 467,061. PUBLISHED OCTOBER 17, 1944. Class 46.
- 435,593. ANIMAL AND POULTRY FOODS—NAMESLY, STARTER MASH, STARTER PELLETS, GROWING MASH, GROWING PELLETS, BROILER MASH, BROILER PELLETS, ETC. THE KANSAS MILLING COMPANY, Wichita, Kans.
Filed February 5, 1944. Serial No. 467,197. PUBLISHED OCTOBER 7, 1947. Class 46.
- 435,594. CORROSION RESISTANT LIQUID COATING FOR WOOD AND METAL SURFACES. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed June 15, 1944. Serial No. 471,291. PUBLISHED OCTOBER 31, 1944. Class 12.
- 435,595. ELECTRICAL APPARATUS—NAMESLY, INDUSTRIAL OVENS AND HIGH FREQUENCY HEATING APPARATUS THEREFOR. FEDERAL TELEPHONE AND RADIO CORPORATION, Newark, N. J.
Filed October 18, 1944. Serial No. 475,422. PUBLISHED SEPTEMBER 30, 1947. Class 21.
- 435,596. ELECTRICAL APPARATUS—NAMESLY, INDUSTRIAL OVENS AND HIGH FREQUENCY HEATING APPARATUS THEREFOR. FEDERAL TELEPHONE AND RADIO CORPORATION, Newark, N. J.
Filed October 18, 1944. Serial No. 475,423. PUBLISHED SEPTEMBER 30, 1947. Class 21.
- 435,597. BAR SOAP. PIONEER SOAP Co., San Francisco, Calif.
Filed March 13, 1945. Serial No. 480,874. PUBLISHED SEPTEMBER 30, 1947. Class 4.
- 435,598. ELECTRICAL APPARATUS—NAMESLY, INDUSTRIAL RADIANT HEATING OVENS AND PARTS THEREOF ALL FOR ELECTRICAL USE. THE TRUMBULL ELECTRIC MANUFACTURING COMPANY, Plainville, Conn.
Filed April 9, 1945. Serial No. 481,926. PUBLISHED AUGUST 14, 1945. Class 21.
- 435,599. STATIONERY—NAMESLY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed April 21, 1945. Serial No. 482,428. PUBLISHED JULY 31, 1945. Class 37.
- 435,600. SYNTHETIC CORUNDUM AND SYNTHETIC SPINEL. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed June 21, 1945. Serial No. 484,847. PUBLISHED SEPTEMBER 30, 1947. Class 1.

- 435,601. SOAPS, COMPOUNDS FOR CLEANING RUBBER MATS, GLASS CLEANING COMPOUNDS, AND SPOT REMOVERS. LEO A. SAUER, doing business as V-O Manufacturing Co., Glendale, Calif.
Filed June 22, 1945. Serial No. 484,909. PUBLISHED NOVEMBER 6, 1945. Class 4.
- 435,602. PIECE GOODS MADE OF CELLULOSE ACETATE TYPE YARNS, ALONE AND IN ADMIXTURE WITH COTTON, WOOL, SILK, OR RAYON. CELLANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 23, 1945. Serial No. 484,934. PUBLISHED OCTOBER 7, 1947. Class 42.
- 435,603. SULFUR CONTAINING THERMOPLASTICS IN LUMP OR ROCK-LIKE FORM FOR USE IN FORMING CASTINGS OR MOLDS. LESLIE C. WILSON, doing business as Duorite Plastic Industries, Culver City, Calif., assignor to Calresin Corporation, Culver City, Calif., a corporation of California.
Filed October 16, 1945. Serial No. 490,046. PUBLISHED SEPTEMBER 30, 1947. Class 1.
- 435,604. CORDUROY RAYON FABRIC IN THE PIECE. ST. GEORGE TEXTILE CORPORATION, New York, N. Y.
Filed November 5, 1945. Serial No. 491,139. PUBLISHED OCTOBER 7, 1947. Class 42.
- 435,605. METAL PARTS FOR FLUORESCENT LIGHTING FIXTURES. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C.
Filed November 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 491,326. PUBLISHED MARCH 18, 1947. Class 21.
- 435,606. RADIO RECEIVING SETS AND ELECTRICAL PHONOGRAPH PICK-UPS. CAVALCADE INDUSTRIES, Inc., Chicago, Ill.
Filed November 10, 1945. Serial No. 491,397. PUBLISHED JUNE 4, 1946. Class 21.
- 435,607. KITCHEN CUPBOARDS AND KITCHEN CABINETS. BRAMMER MANUFACTURING Co., Davenport, Iowa, assignor to Brammer Manufacturing Co., Davenport, Iowa, a corporation of Iowa.
Filed November 26, 1945. Serial No. 492,176. PUBLISHED JUNE 17, 1947. Class 32.
- 435,608. MATTRESSES, CUSHIONS, PILLOWS, AND BOLSTERS. WILLIAM RHODES LIMITED, Leeds, England.
Filed November 26, 1945. Serial No. 492,223. PUBLISHED MAY 27, 1947. Class 32.
- 435,609. VENETIAN BLINDS. PERMA KLEEN Co., San Francisco, Calif.
Filed December 15, 1945. Serial No. 493,399. PUBLISHED OCTOBER 7, 1947. Class 32.
- 435,610. WATCH FINDINGS, WATCH MOVEMENTS AND PARTS THEREOF. METROPOLITAN WATCH MATERIAL IMPORTING COMPANY, New York, N. Y.
Filed December 19, 1945. Serial No. 493,563. PUBLISHED OCTOBER 14, 1947. Class 27.
- 435,611. CORRESPONDENCE PAPER AND ENVELOPES. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass.
Filed December 22, 1945. Serial No. 493,854. PUBLISHED SEPTEMBER 30, 1947. Class 37.
- 435,612. CIGARS. JACKMAN CIGAR MFG. Co., Detroit, Mich.
Filed January 7, 1946. Serial No. 494,404. PUBLISHED OCTOBER 7, 1947. Class 17.

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- 435,613. CIGARS. JACKMAN CIGAR MFG. Co., Detroit, Mich.
Filed January 7, 1946. Serial No. 494,405. PUBLISHED OCTOBER 7, 1947. Class 17.
- 435,614. CIGARS. JACKMAN CIGAR MFG. Co., Detroit, Mich.
Filed January 7, 1946. Serial No. 494,406. PUBLISHED OCTOBER 7, 1947. Class 17.
- 435,615. CORN SEED. MICHAEL-LEONARD Co., Sioux City, Iowa.
Filed January 14, 1946. Serial No. 494,756. PUBLISHED OCTOBER 14, 1947. Class 1.
- 435,616. TOILET SOAPS. LES PARFUMS DE DANA, Inc., New York, N. Y.
Filed January 19, 1946. Serial No. 495,061. PUBLISHED OCTOBER 7, 1947. Class 4.
- 435,617. TOILET SOAPS. LES PARFUMS DE DANA, Inc., New York, N. Y.
Filed January 19, 1946. Serial No. 495,074. PUBLISHED OCTOBER 7, 1947. Class 4.
- 435,618. ELECTRO-ACOUSTIC AND ELECTRO-MECHANICAL TRANSDUCERS—NAMESLY, MICROPHONES, LOUD SPEAKERS, HEAD PHONES, PHONOGRAPH PICKUPS, HYDROPHONES, VIBRATION PICKUPS, SOUND RECORDING APPARATUS, ETC. MASSA LABORATORIES, Inc., Cleveland, Ohio.
Filed January 19, 1946. Serial No. 495,081. PUBLISHED OCTOBER 7, 1947. Class 21.
- 435,619. POSTING TRAYS FOR SHEETS USED IN MACHINE BOOKKEEPING. WILSON JONES COMPANY, Chicago, Ill.
Filed January 30, 1946. Serial No. 495,707. PUBLISHED MARCH 4, 1947. Class 32.
- 435,620. CRUDE WAXES DERIVED FROM MINERAL SOURCES USEFUL IN MANUFACTURE OF FLOOR WAX, FURNITURE WAX, AND OTHER WAX-CONTAINING MATERIALS. WARWICK WAX Co. Inc., New York, N. Y.
Filed February 7, 1946. Serial No. 496,185. PUBLISHED OCTOBER 14, 1947. Class 1.
- 435,621. STORAGE BATTERIES; STORAGE BATTERY HOLDERS; STORAGE BATTERY CABLES AND STRAPS; LUGS TERMINALS, AND SLEEVES USED IN CONNECTING CABLES TO STORAGE BATTERIES; COMBINATION STORAGE BATTERY CHARGERS AND TESTERS; SPARK PLUGS; SPARK PLUG GASKETS, TERMINALS AND SLEEVE CONNECTIONS; SPARK PLUG WIRE TERMINALS; DISTRIBUTOR NIPPLES AND TERMINALS; ETC. SUN OIL COMPANY, Philadelphia, Pa.
Filed February 9, 1946. Serial No. 496,349. PUBLISHED SEPTEMBER 30, 1947. Class 21.
- 435,622. FLASHLIGHT CELLS. ARTHUR GEORGE MEIER, Roanoke, Va.
Filed March 7, 1946. Serial No. 497,808. PUBLISHED DECEMBER 10, 1946. Class 21.
- 435,623. POISONS FOR INSECTS, RODENTS, AND OTHER PESTS. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa.
Filed March 27, 1946. Serial No. 499,037. PUBLISHED AUGUST 27, 1946. Class 6.
- 435,624. CANNED VEGETABLES, CANNED FRUITS, CANNED FISH, SAUERKRAUT, GREEN OLIVES, PICKLES, COCKTAIL ONION, AND STRAWBERRY PRESERVES. JOHN L. HENDERSON, doing business as J. L. Henderson & Co., San Francisco, Calif.
Filed April 2, 1946. Serial No. 499,495. PUBLISHED SEPTEMBER 23, 1947. Class 46.
- 435,625. BED SPRINGS AND MATTRESSES. PERFECTION MATTRESS & SPRING COMPANY, Birmingham, Ala.
Filed April 4, 1946. Serial No. 499,649. PUBLISHED SEPTEMBER 9, 1947. Class 32.
- 435,626. LIQUID PHENOL FORMALDEHYDE RESIN SUITABLE FOR VARIOUS USES IN THE INDUSTRIAL ARTS. THE SPECIAL CHEMICALS Co., Cleveland, Ohio.
Filed April 5, 1946. Serial No. 499,735. PUBLISHED SEPTEMBER 30, 1947. Class 1.
- 435,627. LACTATION TONIC FOR VETERINARY USE. FORT DODGE LABORATORIES, Inc., Fort Dodge, Iowa.
Filed April 11, 1946. Serial No. 499,999. PUBLISHED SEPTEMBER 30, 1947. Class 6.
- 435,628. CANNED FISH. PYRAMID FISHERIES COMPANY, Inc., Seattle, Wash.
Filed April 13, 1946. Serial No. 500,322. PUBLISHED SEPTEMBER 23, 1947. Class 46.
- 435,629. ACOUSTIC DEVICES—NAMESLY, LOUD SPEAKER CABINETS. JOSEPH TOPPING, doing business as Vibraloc Manufacturing Co., San Francisco, Calif.
Filed April 23, 1946. Serial No. 500,781. PUBLISHED SEPTEMBER 9, 1947. Class 32.
- 435,630. CONCRETE PIPE, CONCRETE BUILDING UNITS, CONCRETE BUILDING BLOCKS, AND PREFABRICATED CONCRETE HOUSES. NEW ENGLAND CONCRETE PIPE CORPORATION, Newton Upper Falls, Mass.
Filed May 1, 1946. Serial No. 501,263. PUBLISHED OCTOBER 14, 1947. Class 12.
- 435,631. DETERGENT FOR INDUSTRIAL, SEMI-INDUSTRIAL, AND HOUSEHOLD USE. CALGON, Inc., Pittsburgh, Pa.
Filed May 11, 1946. Serial No. 501,900. PUBLISHED SEPTEMBER 30, 1947. Class 4.
- 435,632. FROZEN POULTRY—NAMESLY, CHICKENS AND TURKEYS. WILLIAM A. BOGESS, doing business as The Zer-O-Zone Co., Fair Oaks, Calif.
Filed May 17, 1946. Serial No. 502,262. PUBLISHED MAY 27, 1947. Class 46.
- 435,633. APPAREL FOR CHILDREN AND GIRLS—NAMESLY, DRESSES; PLAY CLOTHES—NAMESLY, OVERALLS, SLACKS, SHORTS, JUMPERS, PLAY SUITS, SUN BACK DRESSES; AND BEACH WEAR—NAMESLY, SUN SUITS; PINAFORES; AND UNDERGARMENTS—NAMESLY, PAJAMAS AND UNDERWEAR. S. HAROLD LEVY, Inc., New York, N. Y., now by change of name Jorinda, Inc., a corporation of New York.
Filed June 11, 1946. Serial No. 503,655. PUBLISHED AUGUST 19, 1947. Class 39.
- 435,634. ELECTRIC SOLDERING IRONS. MULTI PRODUCTS TOOL COMPANY, Newark, N. J.
Filed June 12, 1946. Serial No. 503,738. PUBLISHED OCTOBER 14, 1947. Class 21.
- 435,635. FRESH FRUITS—NAMESLY, PEARS, APPLES, GRAPES, AND ORANGES, SOLD IN GIFT BASKETS. HARRY AND DAVID, doing business as Bear Creek Orchards, Medford, Ore.
Filed June 19, 1946. Serial No. 504,179. PUBLISHED SEPTEMBER 23, 1947. Class 46.
- 435,636. POWDERS FOR PROMOTING GROWTH OF BACTERIA AND MICRO-ORGANISMS; POWDERS OF ENZYMIC DIGESTS OF PLANT MATERIALS; POWDERS OF ENZYMIC DIGESTS COMPOUNDED WITH INFUSIONS OF DIGESTS, ETC. THEODORE J. CARSKI, doing business as Baltimore Biological Laboratory, Baltimore, Md.
Filed June 24, 1946. Serial No. 504,474. PUBLISHED SEPTEMBER 30, 1947. Class 6.
- 435,637. POWDERS FOR PROMOTING GROWTH OF BACTERIA AND MICRO-ORGANISMS. THEODORE J. CARSKI, doing business as Baltimore Biological Laboratory, Baltimore, Md.
Filed June 24, 1946. Serial No. 504,475. PUBLISHED SEPTEMBER 30, 1947. Class 6.

435,638. WASHING FLUID. MAURICE A. STEINBERG, doing business as The Lincoln Manufacturing Co., Rankin, Pa.

Filed June 24, 1946. Serial No. 504,519. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,639. INSECTICIDES. BOYLE-MIDWAY INC., Jersey City, N. J.

Filed July 13, 1946. Serial No. 505,554. PUBLISHED SEPTEMBER 30, 1947. Class 6.

435,640. ACTIVE CARBON, USUALLY TREATED CHARRED ORGANIC MATERIAL TO BE USED AS AN ABSORBENT OR ADSORBENT, DECOLORIZING AND/OR DEODORIZING AGENT, ETC. N. V. ALGEMEENE NORIT MAATSCHAPPIJ, doing business as General Norit Company, Limited, Amsterdam, Netherlands, and Jacksonville, Fla.

Filed July 18, 1946. Serial No. 505,710. PUBLISHED SEPTEMBER 30, 1947. Class 6.

435,641. RADIO RECEIVING APPARATUS. ERIC JOHN CHARLES STUART ST. JOHN CHESNEY, Timperley, England.

Filed July 18, 1946. Serial No. 505,801. PUBLISHED SEPTEMBER 30, 1947. Class 21.

435,642. PERFUMES, TOILET WATERS, FACE POWDER, AND LIPSTICK. GUERLAIN, INC., New York, N. Y.

Filed July 18, 1946. Serial No. 505,823. PUBLISHED SEPTEMBER 30, 1947. Class 6.

435,643. RAYON PIECE GOODS. CARNAC, INC., New York, N. Y.

Filed July 23, 1946. Serial No. 506,090. PUBLISHED SEPTEMBER 30, 1947. Class 42.

435,644. SILVER POLISH. CONNOISSEURS GIFT SHOP, INC., Boston, Mass.

Filed July 24, 1946. Serial No. 506,157. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,645. AUTOMOTIVE ELECTRICAL PARTS—NAMELY, SWITCHES, IGNITION COILS, IGNITION DISTRIBUTOR PARTS, STARTER MOTOR PARTS, ELECTRICAL MOTOR AND GENERATOR BUSHINGS, VOLTAGE REGULATORS, CONDENSERS, RELAYS, GENERATOR CUTOUTS, AND MOTOR AND GENERATOR BRUSHES. ECHLIN MANUFACTURING COMPANY, New Haven, Conn.

Filed July 30, 1946. Serial No. 506,514. PUBLISHED SEPTEMBER 30, 1947. Class 21.

435,646. WOVEN TEXTILE FABRICS OF RAYON YARN, IN THE PIECE. FOREMAN FABRICS CORP., New York, N. Y.

Filed August 14, 1946. Serial No. 507,388. PUBLISHED SEPTEMBER 30, 1947. Class 42.

435,647. PRINTING PAPER. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa.

Filed August 27, 1946. Serial No. 508,107. PUBLISHED SEPTEMBER 30, 1947. Class 37.

435,648. PERFUMES AND LIPSTICKS. BIRO, MEYNE & BIRO, INC., New York, N. Y.

Filed August 30, 1946. Serial No. 508,263. PUBLISHED OCTOBER 7, 1947. Class 6.

435,649. THERMOSETTING LIQUID CEMENT FOR USE AS AN ADHESIVE CONTAINING OR CONSISTING OF ORGANOSILICON POLYMERS. DOW CORNING CORPORATION, Midland, Mich.

Filed September 6, 1946. Serial No. 508,585. PUBLISHED SEPTEMBER 9, 1947. Class 5.

435,650. COMPOSITIONS IN THE FORM OF SOLUTIONS FOR POLISHING AND COATING ARTICLES HAVING SURFACES OF GLASS, METAL, RUBBER, PLASTIC, OR THE LIKE. DOW CORNING CORPORATION, Midland, Mich.

Filed September 6, 1946. Serial No. 508,586. PUBLISHED OCTOBER 14, 1947. Class 4.

435,651. BEDROOM FURNITURE—NAMELY, BEDS, DRESSERS, CHESTS OF DRAWERS, NIGHT TABLES, VANITY TABLES, AND VANITY TABLE BENCHES. MORGAN FURNITURE COMPANY, Asheville, N. C.

Filed September 21, 1946. Serial No. 509,528. PUBLISHED OCTOBER 7, 1947. Class 32.

435,652. REMOVABLE METAL AWNINGS. ALUMINUM AWNING CO., Tulsa, Okla.

Filed September 24, 1946. Serial No. 509,625. PUBLISHED OCTOBER 14, 1947. Class 12.

435,653. CIGARS. GUSTAVE GUTH, New York, N. Y.

Filed September 24, 1946. Serial No. 509,654. PUBLISHED OCTOBER 7, 1947. Class 17.

435,654. WOMEN'S AND MISSES' CUSTOM-MADE DRESSES, BLOUSES, AND CLOTH AND FUR COATS, ETC. SAKS & COMPANY, New York, N. Y.

Filed September 27, 1946. Serial No. 509,879. PUBLISHED AUGUST 26, 1947. Class 39.

435,655. ELECTRIC TIMERS FOR ELECTRICAL RANGES. ELECTROMASTER, INC., Detroit, Mich.

Filed September 28, 1946. Serial No. 509,929. PUBLISHED SEPTEMBER 30, 1947. Class 21.

435,656. LIVE CANARIES. S & R HERRICK, San Jose, Calif.

Filed September 30, 1946. Serial No. 510,000. PUBLISHED OCTOBER 14, 1947. Class 1.

435,657. ELASTIC SUPPORTERS—NAMELY, MEN'S SUPPORTS, WRIST DEVELOPERS, ELASTIC ARCH SUPPORTS, ANKLETS, KNEE CAP SUPPORTS, SUSPENSORIES, SHOULDER BRACES, ABDOMINAL AND SURGICAL BELTS, COMBINED ARCH AND ANKLE SUPPORTS, AND SACROILIAC SUPPORTS. THE OHIO TRUSS COMPANY, Cincinnati, Ohio, now by change of name Surgical Appliance Industries, Inc., a corporation of Ohio.

Filed October 2, 1946. Serial No. 510,103. PUBLISHED OCTOBER 7, 1947. Class 44.

435,658. POWDER FOR CLEANING DENTAL GOLD CASTINGS AND DENTURES FOR USE BY DENTISTS. A. L. ENGELHARDT COMPANY, Los Angeles, Calif.

Filed October 4, 1946. Serial No. 510,244. PUBLISHED OCTOBER 7, 1947. Class 4.

435,659. FURNITURE—NAMELY, DINING CHAIRS, LIVING ROOM CHAIRS, HALL CHAIRS, DINING TABLES, END TABLES, SOFAS AND BOOK CASES. GLOBE PARLOR FURNITURE CO., High Point, N. C.

Filed October 10, 1946. Serial No. 510,585. PUBLISHED OCTOBER 7, 1947. Class 32.

435,660. CRIB MATTRESSES, PADS FOR THE FOLLOWING ARTICLES: BABY CARRIAGES, PLAY PENS, CRIB BUMPERS, HIGH CHAIRS AND STROLLERS. NURSERYTIME PRODUCTS, Brooklyn, N. Y.

Filed October 11, 1946. Serial No. 510,717. PUBLISHED OCTOBER 7, 1947. Class 32.

435,661. ACRYLIC DENTURE PROCESSING TANKS. ARTHUR E. WOLF, Cleveland, Ohio.

Filed October 11, 1946. Serial No. 510,747. PUBLISHED OCTOBER 7, 1947. Class 44.

435,662. INFANTS', GIRLS', JUNIORS', MISSES', AND WOMEN'S COATS, SUITS, AND THE FOLLOWING ITEMS OF SPORTSWEAR: JACKETS, SKIRTS, TOPPERS, SPORT DRESSES, SNOW-SUITS, LEGGINGS, SKI SUITS, AND SLACKS. EMANUEL BERNSTEIN, New York, N. Y.

Filed October 17, 1946. Serial No. 510,998. PUBLISHED SEPTEMBER 16, 1947. Class 39.

435,663. EDIBLE FOOD PRODUCT COMPRISED OF A FRANKFURTER ENCASED IN A BATTER AND COOKED IN DEEP FAT, AND FOR A MIXTURE, COMPRISING CORN FLOUR, CORNMEAL, SUGAR, SPICES, ETC., USED IN MAKING SUCH BATTER. CHARLES C. MCELVEEN, doing business as The Pop Dog Company, Summit, Miss.

Filed October 18, 1946. Serial No. 511,099. PUBLISHED SEPTEMBER 23, 1947. Class 46.

435,664. TABLET CONTAINING DIGITOXIN USED IN THE TREATMENT OF HEART AFFECTIONS WHEREVER DIGITALIS THERAPY IS INDICATED. THE NATIONAL DRUG COMPANY, Philadelphia, Pa.

Filed October 19, 1946. Serial No. 511,174. PUBLISHED OCTOBER 7, 1947. Class 6.

435,665. COMPOSITION ABSORBENT MINERAL DEHYDRANT (A DESICCANT). UNDERTAKERS SUPPLY COMPANY, Chicago, Ill.

Filed October 23, 1946. Serial No. 511,361. PUBLISHED OCTOBER 14, 1947. Class 6.

435,666. PRESSURE SENSITIVE ADHESIVE TAPE. THE KENDALL COMPANY, Walpole, Mass.

Filed October 24, 1946. Serial No. 511,527. PUBLISHED SEPTEMBER 9, 1947. Class 5.

435,667. CHILDREN'S APPAREL—NAMELY, GIRLS' DRESSES AND BOYS' SUITS, PANTS, OVERALLS, AND PLAYSUITS. S. HAROLD LEVI, INC., New York, N. Y., now by change of name Jorinda, Inc., a corporation of New York.

Filed November 7, 1946. Serial No. 512,182. PUBLISHED AUGUST 12, 1947. Class 39.

435,668. SYNTHETIC RESINS FOR GENERAL USE IN THE INDUSTRIAL ARTS INCLUDING COATING AND IMPREGNATING OF PAPER AND WOOD AND COATING OF METAL. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.

Filed November 7, 1946. Serial No. 512,193. PUBLISHED SEPTEMBER 2, 1947. Class 1.

435,669. INSECTICIDE. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.

Filed November 9, 1946. Serial No. 512,348. PUBLISHED SEPTEMBER 30, 1947. Class 6.

435,670. LIPSTICK, ROUGE, FACE POWDER, PERFUME, AND SHAMPOO. PRINCESS PAT, LTD., Chicago, Ill.

Filed November 14, 1946. Serial No. 512,606. PUBLISHED OCTOBER 7, 1947. Class 6.

435,671. PACKAGED PLASTER OF PARIS FOR MAKING IMPRINTS OF BABIES' HANDS AND FEET. MARENE TUCKNESS, doing business as Bay-B-Trax Co., Denver, Colo.

Filed November 12, 1946. Serial No. 512,628. PUBLISHED OCTOBER 14, 1947. Class 1.

435,672. SURFACE INSECTICIDE. STANCO INCORPORATED, New York, N. Y., and Wilmington, Del.

Filed November 15, 1946. Serial No. 512,719. PUBLISHED OCTOBER 7, 1947. Class 6.

435,673. VANILLA FLAVORING POWDER, FOR THE FLAVORING OF BAKED GOODS, ICE CREAM, CAKES, AND CANDY, AND FOR THE MAKING OF VANILLA SAUCES AND SYRUPS FOR FOOD PURPOSES. RICHARD FRANK & CO., INC., New York, N. Y., assignor, by mesne assignments, to Airline Foods Corporation, New York, N. Y., a corporation of Delaware.

Filed November 19, 1946. Serial No. 512,863. PUBLISHED SEPTEMBER 16, 1947. Class 46.

435,674. COMPACTS CONTAINING FACE POWDER. SPOTLITE CORPORATION, New York, N. Y.

Filed November 19, 1946. Serial No. 512,869. PUBLISHED SEPTEMBER 30, 1947. Class 6.

435,675. OINTMENT USED TO RELIEVE PILES AND OTHER MINOR RECTAL DISORDERS. KING A. WOODBURN, doing business as Woodburn Laboratories, Jacksonville, Fla., assignor to Woodburn Laboratories.

Filed November 20, 1946. Serial No. 512,947. PUBLISHED OCTOBER 14, 1947. Class 6.

435,676. PREPARATION COMPOSED MAINLY OF SALT AND SAWDUST FOR TREATING ROAD SURFACES TO PROVIDE TRACTION FOR VEHICLE WHEELS. SHUB-GO CORPORATION, Rochester, N. Y.

Filed November 25, 1946. Serial No. 513,218. PUBLISHED OCTOBER 7, 1947. Class 1.

435,677. MATTRESSES. FREDERICK W. EDWARDS, New York, N. Y.

Filed November 26, 1946. Serial No. 513,239. PUBLISHED SEPTEMBER 9, 1947. Class 32.

435,678. CONSTRUCTION MATERIALS—NAMELY, ROUGH LUMBER, DRESSED LUMBER; MILLWORK—NAMELY, MOULDINGS AND ORNAMENTAL WOODWORK FOR INTERIOR AND EXTERIOR USE, ETC. ISADOR S. TUROVER, Bethesda, Md.

Filed December 2, 1946. Serial No. 513,596. PUBLISHED MAY 13, 1947. Class 12.

435,679. RADIATOR CLEANER HAVING A PETROLEUM BASE WITH ADDED CHEMICAL, WATER JACKET REPAIR COMPOUND, AND LIQUID RADIATOR SOLDER, ETC. CLYDE L. MCCOY, doing business as Pyro-Penn Products Company, San Jose, Calif.

Filed December 4, 1946. Serial No. 513,669. PUBLISHED OCTOBER 14, 1947. Class 6.

435,680. ELECTRICAL APPARATUS COMPRISING AN ELECTROLYTE PAD TO BE USED IN ASSOCIATION WITH THE HUMAN BODY, SAID APPARATUS UPON ACTIVATION OF THE PAD BY THE BODY FLUIDS PRODUCING VISUAL AND/OR AUDIBLE SIGNALS. H. WRIGHT SEIGER, doing business as Medar Co., Santa Monica, Calif.

Filed December 5, 1946. Serial No. 513,777. PUBLISHED SEPTEMBER 30, 1947. Class 21.

435,681. PERFUME, TOILET WATER, EAU DE COLOGNE, TALCUM POWDER, DUSTING POWDER, FACE POWDER, PERFUME SACHET IN POWDER FORM. AL ROSENFELD, INC., doing business as Suzanne, New York, N. Y.

Filed December 9, 1946. Serial No. 513,952. PUBLISHED OCTOBER 14, 1947. Class 6.

435,682. CREAM PREPARATION FOR THE TREATMENT OF ECZEMA. WILLIAM KROM, Mahwah, N. J.

Filed December 11, 1946. Serial No. 514,047. PUBLISHED OCTOBER 14, 1947. Class 6.

435,683. MATTRESSES. THE GEIER MATTRESS CO., Rossmoyne, Ohio.

Filed December 21, 1946. Serial No. 514,650. PUBLISHED OCTOBER 7, 1947. Class 32.

435,684. COAL. IMPERIAL COAL CORPORATION, New York, N. Y.

Filed December 23, 1946. Serial No. 514,707. PUBLISHED OCTOBER 14, 1947. Class 1.

435,685. PLASTIC RUBBER COMPOSITION APPLIED TO THE BACKS OF HAND HOOKED RUGS TO PREVENT BUCKLING. FLOOR COVERINGS, INC., New York, N. Y.

Filed December 28, 1946. Serial No. 514,948. PUBLISHED OCTOBER 14, 1947. Class 4.

435,686. LEATHERS. LOUIS MEYERS & SON, INC., New York, N. Y.

Filed December 28, 1946. Serial No. 514,979. PUBLISHED SEPTEMBER 30, 1947. Class 1.

435,687. CORN CHIPS. JAMES P. BUSH, doing business as Bush & Long Potato Chip Co., El Paso, Tex.

Filed December 31, 1946. Serial No. 515,067. PUBLISHED SEPTEMBER 16, 1947. Class 46.

435,688. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK WRITING SETS. MILLAD PEN CO., INC., New York, N. Y.

Filed January 2, 1947. Serial No. 515,190. PUBLISHED SEPTEMBER 30, 1947. Class 37.

435,689. CANNED TOMATOES, SWEET PICKLE CHIPS, PICKLES, AND CANNED PEPPERS. BEL-WHITE FOOD PRODUCTS INC., Preston, Md.

Filed January 6, 1947. Serial No. 515,291. PUBLISHED SEPTEMBER 23, 1947. Class 46.

435,690. COMBINATION CALENDAR AND MEMORANDUM PAD. JOSEPH ITRIND, Brooklyn, N. Y.

Filed January 8, 1947. Serial No. 515,428. PUBLISHED SEPTEMBER 30, 1947. Class 37.

435,691. RESINOUS THERMO-PLASTIC MATERIALS IN BLOCK, STICK, AND CAKE FORM TO BE USED IN THE MANUFACTURE OF VARIOUS FINISHED ARTICLES IN THE INDUSTRIAL ARTS. YSAK PESSALL, doing business as Centrifugal Casting Company, New York, N. Y.

Filed January 8, 1947. Serial No. 515,447. PUBLISHED OCTOBER 14, 1947. Class 1.

435,692. CHOLAGOGUES AND CHOLERETICS FOR THE TREATMENT OF ALL DISEASES OF THE LIVER AND BILE DUCTS SUCH AS CHOLANGITIS (JAUNDICE) AND CHOLELITHIASIS, DIURETICS IN NONCOMPENSATED HEART DEFECTS AND ASCITES WITH CIRRHOTIC DISEASES OF THE LIVER, ETC. AMES COMPANY, INC., Elkhart, Ind.

Filed January 9, 1947. Serial No. 515,479. PUBLISHED OCTOBER 14, 1947. Class 6.

435,693. CANNED ORANGE JUICE, CANNED GRAPEFRUIT JUICE, CANNED BLENDED ORANGE-GRAPEFRUIT JUICE, CANNED TANGERINE JUICE, CANNED GRAPEFRUIT SECTIONS, FRESH GRAPEFRUIT, AND FRESH ORANGES. FLORIDA CITRUS COMMISSION, Lakeland, Fla.

Filed January 9, 1947. Serial No. 515,494. PUBLISHED OCTOBER 14, 1947. Class 46.

435,694. PHARMACEUTICAL PREPARATION CONTAINING ESTROGENS, FOR TOPICAL APPLICATION. AYERST, McKENNA & HARRISON LIMITED, New York, N. Y.

Filed January 11, 1947. Serial No. 515,601. PUBLISHED OCTOBER 7, 1947. Class 6.

435,695. CANNED FRUITS. MANTECA CANNING COMPANY, Manteca, Calif.

Filed January 11, 1947. Serial No. 515,625. PUBLISHED SEPTEMBER 2, 1947. Class 46.

435,696. BEAUTY PREPARATIONS—NAMESLY, A PERMANENT WAVE LOTION FOR PERMANENT WAVING, A CREAM RINSE TO SOFTEN HAIR AFTER PERMANENT WAVING AND AFTER SHAMPOOING, AND A SHAMPOO PREPARATION. PILOT PRODUCTS COMPANY, Salt Lake City, Utah.

Filed January 11, 1947. Serial No. 515,632. PUBLISHED OCTOBER 14, 1947. Class 6.

435,697. INSTRUMENTS AND RINGS FOR CASTRATING AND DOCKING LIVESTOCK. JAMES F. WILSON, doing business as Elastrator Company, Davis, Calif.

Filed January 11, 1947. Serial No. 515,646. PUBLISHED SEPTEMBER 30, 1947. Class 44.

435,698. FOUNTAIN PENS AND MECHANICAL PENCILS, AND PARTS THEREFOR. L. E. WATERMAN COMPANY, New York, N. Y.

Filed January 16, 1947. Serial No. 515,851. PUBLISHED SEPTEMBER 30, 1947. Class 37.

435,699. CLEANING, WASHING, AND POLISHING COMPOUNDS FOR USE IN GENERAL, HOUSEHOLD, PROFESSIONAL, COMMERCIAL, AND INDUSTRIAL CLEANING, WASHING, AND POLISHING. OROHITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif.

Filed January 18, 1947. Serial No. 515,962. PUBLISHED OCTOBER 7, 1947. Class 4.

435,700. NON-SENSITIZED PHOTOGRAPHIC PAPERS. THE AUTOTYPE COMPANY LIMITED, West Ealing, London, England.

Filed January 22, 1947. Serial No. 516,112. PUBLISHED SEPTEMBER 30, 1947. Class 37.

435,701. CANNED COMBINATION OF VEGETABLES—NAMESLY, RED AND GREEN PEPPERS, LIMA BEANS, AND CORN. KNEELSVILLE PEA CANNING COMPANY, Port Washington, Wis.

Filed January 22, 1947. Serial No. 516,140. PUBLISHED SEPTEMBER 23, 1947. Class 46.

435,702. PREPARATION FOR TREATING THE SCALP. HEXONICIN, INC., Beverly, Mass.

Filed January 23, 1947. Serial No. 516,187. PUBLISHED OCTOBER 7, 1947. Class 6.

435,703. PREPARATION FOR TREATING THE SCALP. HEXONICIN, INC., Beverly, Mass.

Filed January 23, 1947. Serial No. 516,188. PUBLISHED OCTOBER 7, 1947. Class 6.

435,704. INNER TUBES FOR PNEUMATIC TIRES. ROBBINS TIRE AND RUBBER COMPANY, INC., Tusculumbia, Ala.

Filed January 27, 1947. Serial No. 516,436. PUBLISHED SEPTEMBER 30, 1947. Class 35.

435,705. INNER TUBES FOR PNEUMATIC TIRES. ROBBINS TIRE AND RUBBER COMPANY, INC., Tusculumbia, Ala.

Filed January 27, 1947. Serial No. 516,437. PUBLISHED OCTOBER 7, 1947. Class 35.

435,706. INNER TUBES FOR PNEUMATIC TIRES. ROBBINS TIRE AND RUBBER COMPANY, INC., Tusculumbia, Ala.

Filed January 27, 1947. Serial No. 516,442. PUBLISHED SEPTEMBER 30, 1947. Class 35.

435,707. FOOD SAVORING POWDERS COMPRISING MONO SODIUM GLUTAMATE. INTERNATIONAL MINERALS AND CHEMICAL CORPORATION, Chicago, Ill.

Filed January 30, 1947. Serial No. 516,611. PUBLISHED SEPTEMBER 23, 1947. Class 46.

435,708. AUTOMOBILE TIRES, AUTOMOBILE TUBES, FAN BELTS FOR AUTOMOBILES, REPAIR PATCHES FOR TIRES AND TUBES, AND REPAIR KITS FOR TIRES AND TUBES. THE AMERICAN OIL COMPANY, Baltimore, Md.

Filed January 31, 1947. Serial No. 516,655. PUBLISHED SEPTEMBER 30, 1947. Class 35.

435,709. FILING CABINETS AND FILING CABINET DRAWERS. ACME VISIBLE RECORDS, INC., Chicago, Ill.

Filed February 1, 1947. Serial No. 516,750. PUBLISHED SEPTEMBER 23, 1947. Class 32.

435,710. PARASITICIDES—NAMESLY, INSECTICIDES, FUNGICIDES, DISINFECTANTS, AND SOIL FUMIGANTS. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.

Filed February 3, 1947. Serial No. 516,812. PUBLISHED OCTOBER 14, 1947. Class 6.

435,711. HAIR DRESSING. HAL COLLINS COMPANY, Dallas, Tex.

Filed February 3, 1947. Serial No. 516,814. PUBLISHED OCTOBER 7, 1947. Class 6.

435,712. ANALGESIC BALM AND OINTMENT PREPARATION. THE CRAMER CHEMICAL COMPANY, Gardner, Kans.

Filed February 3, 1947. Serial No. 516,822. PUBLISHED OCTOBER 14, 1947. Class 6.

435,713. RESIN SUITABLE FOR INCORPORATING IN PAINTS AND LACQUERS, AS A RUBBER EXTENDER AND FOR ADMIXTURE WITH OTHER NATURAL AND SYNTHETIC RESINS. INTER-CHEMICAL CORPORATION, New York, N. Y.

Filed February 4, 1947. Serial No. 516,902. PUBLISHED SEPTEMBER 30, 1947. Class 1.

435,714. WAX FOR USE IN RUBBER TO IMPROVE ITS RESISTANCE TO ATMOSPHERIC CRACKING. HERRON BROS. & MEYER, New York, N. Y.

Filed February 5, 1947. Serial No. 516,985. PUBLISHED OCTOBER 14, 1947. Class 6.

435,715. LINING FOR DENTAL PLATES. LEO DANIEL POSTEL, doing business as Belino Products Company, Chicago, Ill.

Filed February 6, 1947. Serial No. 517,090. PUBLISHED OCTOBER 7, 1947. Class 44.

435,716. PERFUME. RICHARD HUDNUT, New York, N. Y.

Filed February 7, 1947. Serial No. 517,134. PUBLISHED SEPTEMBER 2, 1947. Class 6.

435,717. CANNED PEAS AND CANNED CORN. RICH-LAND CANNING CORPORATION, Friesland, Wis.

Filed February 7, 1947. Serial No. 517,164. PUBLISHED SEPTEMBER 23, 1947. Class 46.

435,718. CLINICAL THERMOMETERS, HYPODERMIC NEEDLES, AND GLASS SYRINGES. E. KESSLING THERMOMETER CO., INC., Brooklyn, N. Y.

Filed February 8, 1947. Serial No. 517,192. PUBLISHED OCTOBER 7, 1947. Class 44.

435,719. SNUFF. JOSEPH KEMPER WADDELL, doing business as National Snuff Company, Memphis, Tenn.

Filed February 10, 1947. Serial No. 517,275. PUBLISHED SEPTEMBER 30, 1947. Class 17.

435,720. COMPOUND HAVING ANTI-SPARKING, SPOT-REMOVING, AND DRY CLEANING PROPERTIES, FOR USE IN DRY CLEANING. RIT PRODUCTS CORPORATION, Chicago, Ill.

Filed February 12, 1947. Serial No. 517,381. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,721. FRESH DECIDUOUS FRUITS. E. B. WOOD, doing business as Wood Fruit Co., Atwater, Calif.

Filed February 12, 1947. Serial No. 517,394. PUBLISHED SEPTEMBER 23, 1947. Class 46.

435,722. ELECTRICAL APPARATUS FOR CONTROLLING A WEB FOR PROPER REGISTRATION OF PRINTING THEREON OR/AND CUTTING OF THE WEB. CHAMPLAIN COMPANY, INC., Bloomfield, N. J.

Filed February 14, 1947. Serial No. 517,454. PUBLISHED SEPTEMBER 30, 1947. Class 21.

435,723. CANDY. LOFT CANDY CORPORATION, Long Island City, N. Y.

Filed February 14, 1947. Serial No. 517,496. PUBLISHED SEPTEMBER 16, 1947. Class 46.

435,724. CHOCOLATE CONFECTION PIECES, I. E., MILK CHOCOLATE NUT BARS. ROCKWOOD & CO., Brooklyn, N. Y.

Filed May 17, 1944. Serial No. 470,347. PUBLISHED OCTOBER 21, 1947. Class 46.

435,725. CANNED FRUITS, CANNED VEGETABLES, AND CANNED TOMATO PASTE. FLOTILL PRODUCTS, INCORPORATED, Stockton, Calif.

Filed February 17, 1947. Serial No. 517,629. PUBLISHED SEPTEMBER 23, 1947. Class 46.

435,726. INSECTICIDES. GEIGY COMPANY, INC., New York, N. Y.

Filed February 18, 1947. Serial No. 517,718. PUBLISHED SEPTEMBER 30, 1947. Class 6.

435,727. LEATHERS. PARISIAN HANDBAG CO., INC., New York, N. Y.

Filed February 18, 1947. Serial No. 517,739. PUBLISHED SEPTEMBER 30, 1947. Class 1.

435,728. LIPSTICKS. BOTANY WORSTED MILLS, Passaic, N. J.

Filed February 19, 1947. Serial No. 517,769. PUBLISHED OCTOBER 7, 1947. Class 6.

435,729. GERMICIDAL SOAP. THE PHARMA-CRAFT CORPORATION, New York, N. Y.

Filed February 24, 1947. Serial No. 518,034. PUBLISHED OCTOBER 14, 1947. Class 4.

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435,730. UPHOLSTERY, CARPET AND PAINT CLEANER IN LIQUID AND SEMI-LIQUID FORM. GEORGE W. CARROLL, doing business as Zipp-Reme Chemical Works, Greensburg, Pa.

Filed February 25, 1947. Serial No. 518,063. PUBLISHED OCTOBER 14, 1947. Class 4.

435,731. CANNED EVAPORATED MILK. THE UNITED DAIRY COMPANY, Barnesville, Ohio.

Filed February 25, 1947. Serial No. 518,113. PUBLISHED SEPTEMBER 23, 1947. Class 46.

435,732. ELECTRIC WELDING APPARATUS AND SPECIFICALLY ELECTRODE HOLDERS, CABLE CONNECTORS, AND GROUND CLAMPS. C. L. HARSCH, doing business as Har-Worth Manufacturing Co., Portland, Ore.

Filed March 1, 1947. Serial No. 518,354. PUBLISHED SEPTEMBER 30, 1947. Class 21.

435,733. HAIR BRUSHES AND HAIR BRUSH HANDLES. LACTONA INCORPORATED, St. Paul, Minn.

Filed March 3, 1947. Serial No. 518,416. PUBLISHED SEPTEMBER 30, 1947. Class 29.

435,734. GENERAL TONIC. LUTTIES PHARMACAL COMPANY, St. Louis, Mo.

Filed March 10, 1947. Serial No. 518,769. PUBLISHED OCTOBER 14, 1947. Class 6.

435,735. ELECTRIC DESK LAMPS. FARIES MANUFACTURING COMPANY, Decatur, Ill.

Filed March 12, 1947. Serial No. 518,881. PUBLISHED OCTOBER 14, 1947. Class 21.

435,736. MODIFIED RUBBER RESIN BASE WALL FINISH COATING FOR COVERING AND FINISHING SURFACES SUCH AS PLASTER, WALL BOARD, WALL PAPER, CONCRETE, TILE, AND BRICK. ROBERT V. SANDSTROM, doing business as Midwest Products Company, Port Byron, Ill.

Filed March 13, 1947. Serial No. 518,982. PUBLISHED SEPTEMBER 9, 1947. Class 12.

435,737. PREPARATION FOR USE IN THE TREATMENT OF CONSTIPATION. BURTON, PARSONS & CO., Washington, D. C.

Filed March 18, 1947. Serial No. 519,169. PUBLISHED OCTOBER 14, 1947. Class 6.

435,738. STORM SASHES AND STORM WINDOWS. JOHN A. NAZ CONSTRUCTION CO., Cincinnati, Ohio.

Filed March 19, 1947. Serial No. 519,289. PUBLISHED SEPTEMBER 16, 1947. Class 12.

435,739. SOAPS AND SHAVING CREAM. THE LANDER CO. INC., New York, N. Y.

Filed March 20, 1947. Serial No. 519,340. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,740. CENTERBOARD SLOOPS OR SAILBOATS. KARGARD BOAT AND ENGINE COMPANY, Marinette, Wis.

Filed March 21, 1947. Serial No. 519,398. PUBLISHED OCTOBER 14, 1947. Class 19.

435,741. SOAP. ANTOINE DE PARIS, INC., New York, N. Y., and Hoboken, N. J.

Filed March 22, 1947. Serial No. 519,434. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,742. POLYVINYL RESIN GLUE. THE BORDEN COMPANY, New York, N. Y.

Filed March 25, 1947. Serial No. 519,508. PUBLISHED SEPTEMBER 9, 1947. Class 5.

435,743. CONCRETE FORMS, CONCRETE FORM TIES, CONCRETE FORM CLAMPS, AND CONCRETE FORM SPACERS. MERLE E. KEMPER, doing business as Merle E. Kemper Company, Kansas City, Mo.

Filed March 27, 1947. Serial No. 519,667. PUBLISHED SEPTEMBER 16, 1947. Class 12.

435,744. COSMETIC SET CONTAINING CAKE MAKE-UP, NAIL POLISH, AND LIPSTICK. AVON PRODUCTS, INC., New York, N. Y.

Filed March 28, 1947. Serial No. 519,717. PUBLISHED SEPTEMBER 30, 1947. Class 6.

435,745. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF. D. B. FULLER & Co., Inc., New York, N. Y.

Filed March 29, 1947. Serial No. 519,807. PUBLISHED SEPTEMBER 30, 1947. Class 42.

435,746. TUBES ENCLOSING HEATER ELEMENTS SURROUNDED BY A FLUID MEDIUM, IN WHICH VARIATIONS IN THE CONVECTION CURRENTS IN THE FLUID MEDIUM CHANGES THE OHMIC VALUE OF THE ELEMENTS. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J.

Filed April 1, 1947. Serial No. 519,918. PUBLISHED SEPTEMBER 30, 1947. Class 21.

435,747. CIGARETTES, SMOKING TOBACCO, AND CIGARS. MARTINS LIMITED, London, England.

Filed October 17, 1946. Serial No. 511,027. PUBLISHED OCTOBER 21, 1947. Class 17.

435,748. COMPOSITION FOR PREVENTING AND REMOVING BOILER INCrustATIONS. METROPOLITAN REFINING CO., INC., Long Island City and New York, N. Y.

Filed April 1, 1947. Serial No. 519,969. PUBLISHED OCTOBER 14, 1947. Class 6.

435,749. CIGARS. WAITT & BOND, INC., Newark, N. J.

Filed April 1, 1947. Serial No. 519,997. PUBLISHED OCTOBER 7, 1947. Class 17.

435,750. SHAMPOO AND HAIR DRESSING. KAY DAUMIT, INC., Chicago, Ill.

Filed April 2, 1947. Serial No. 520,041. PUBLISHED OCTOBER 14, 1947. Class 6.

435,751. ANIMATED ELECTRICAL SIGNS. Mega CORPORATION, Los Angeles, Calif.

Filed April 2, 1947. Serial No. 520,049. PUBLISHED OCTOBER 14, 1947. Class 21.

435,752. PERFUME, COLOGNE, LIPSTICK, FACE POWDER, NAIL POLISH, HAND CREAM, BRILLIANTINE, AND BODY SACHET. CONSOLIDATED COSMETICS, Chicago, Ill.

Filed April 3, 1947. Serial No. 520,093. PUBLISHED OCTOBER 7, 1947. Class 6.

435,753. RADIO RECEIVER. WILMAX CORPORATION, Benton Harbor, Mich.

Filed April 3, 1947. Serial No. 520,136. PUBLISHED SEPTEMBER 30, 1947. Class 21.

435,754. INDUSTRIAL FELTS FOR PROTECTION AGAINST HEAT, LIGHT, COLD, DUST, WIND, SHOCK, VIBRATION, LIQUID, GAS, ETC. JAMES H. RHODES & COMPANY, Chicago, Ill.

Filed April 4, 1947. Serial No. 520,181. PUBLISHED SEPTEMBER 9, 1947. Class 12.

435,755. ELECTRIC LAMPS. J. SCHAFER ELECTRIC NOVELTIES, INC., New York, N. Y.

Filed April 5, 1947. Serial No. 520,236. PUBLISHED OCTOBER 14, 1947. Class 21.

435,756. TOOTHBRUSHES. ADDIS LIMITED, Hertford, England.

Filed April 8, 1947. Serial No. 520,313. PUBLISHED OCTOBER 7, 1947. Class 29.

435,757. BROADCASTING AND SHORT WAVE RADIO RECEIVERS AND PARTS THEREOF. HUDSON AMERICAN CORPORATION, New York, N. Y.

Filed April 9, 1947. Serial No. 520,393. PUBLISHED OCTOBER 14, 1947. Class 21.

435,758. POWDER PUFFS. VICTORIA-VOGUE, INC., New York, N. Y.

Filed April 9, 1947. Serial No. 520,428. PUBLISHED OCTOBER 7, 1947. Class 29.

435,759. IRONING BOARD COVERS. PRESSING SUPPLY COMPANY, Philadelphia, Pa.

Filed April 10, 1947. Serial No. 520,468. PUBLISHED OCTOBER 7, 1947. Class 24.

435,760. ELECTRIC PORTABLE LAMPS, FLOOR LAMPS, DESK LAMPS, AND TABLE LAMPS. MUTUAL-SUNSET LAMP MANUFACTURING CO., INC., New York, N. Y.

Filed April 11, 1947. Serial No. 520,520. PUBLISHED OCTOBER 14, 1947. Class 21.

435,761. MULTIPLE VITAMINS IN DOSAGE FORM. INTERNATIONAL VITAMIN CORPORATION, New York, N. Y., now by change of name Ives-Cameron Company, Inc., a corporation of New York.

Filed April 14, 1947. Serial No. 520,626. PUBLISHED OCTOBER 14, 1947. Class 6.

435,762. MULTIPLE VITAMINS AND PHENOBARBITAL IN DOSAGE FORM. INTERNATIONAL VITAMIN CORPORATION, New York, N. Y., now by change of name Ives-Cameron Company, Inc., a corporation of New York.

Filed April 14, 1947. Serial No. 520,627. PUBLISHED OCTOBER 14, 1947. Class 6.

435,763. POWDERED CLEANSER FOR USE ON PORCELAIN SURFACES. HUNTINGTON LABORATORIES, Inc., Huntington, Ind.

Filed April 15, 1947. Serial No. 520,709. PUBLISHED OCTOBER 7, 1947. Class 4.

435,764. LACES SOLD BY THE PIECE. NATIVE LACES & TEXTILES, INCORPORATED, New York, N. Y.

Filed April 17, 1947. Serial No. 520,886. PUBLISHED OCTOBER 7, 1947. Class 42.

435,765. SUSPENSORIES. THE OHIO TRUSS COMPANY, Cincinnati, Ohio.

Filed April 17, 1947. Serial No. 520,889. PUBLISHED OCTOBER 14, 1947. Class 44.

435,766. SUSPENSORIES. THE OHIO TRUSS COMPANY, Cincinnati, Ohio.

Filed April 17, 1947. Serial No. 520,890. PUBLISHED OCTOBER 14, 1947. Class 44.

435,767. WATER PITCHERS, GOBLETs, BONBON HOLDERS, TRAYS, CANDLESTICKS, SUGAR BOWLS AND CREAM PITCHERS, CUPS, BOWLS, CIGARETTE BOXES, CIGAR BOXES, COMPOTES, AND COFFEEPOTS, ALL MADE OF STERLING SILVER. BERKSHIRE SILVER COMPANY, Wallingford, Conn.

Filed March 21, 1947. Serial No. 520,926. PUBLISHED OCTOBER 14, 1947. Class 28.

435,768. BRACELETS, BROOCHES, LAPEL PINS, CLASPS AND OTHER JEWELRY OF PRECIOUS METALS. JACK W. BOWYER, doing business as Scriptcraft, Santa Monica, Calif.

Filed April 19, 1947. Serial No. 520,993. PUBLISHED OCTOBER 14, 1947. Class 28.

435,769. SYNTHETIC DETERGENT IN LIQUID, PASTE, OR POWDER FORM FOR INDUSTRIAL AND DOMESTIC CLEANING PURPOSES. HARDESTY CHEMICAL CO., INC., New York, N. Y.

Filed April 19, 1947. Serial No. 521,011. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,770. FINGER RINGS. JACK L. KAUFMAN, INC., New York, N. Y.

Filed April 22, 1947. Serial No. 521,136. PUBLISHED OCTOBER 14, 1947. Class 28.

435,771. SWABS CONSISTING OF ABSORBENT COTTON ATTACHED TO THE END OF WOODEN STICKS. Q-TIPS, INC., New York, N. Y.

Filed April 29, 1947. Serial No. 521,532. PUBLISHED OCTOBER 7, 1947. Class 44.

435,772. SHOE POLISH. KESSLER-FELDMAN-MEYER COMPANY, St. Louis, Mo., assignor to Vanguard Chemical Corp., St. Louis, Mo., a corporation of Missouri.

Filed April 30, 1947. Serial No. 521,579. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,773. SEWER PIPES. CONCRETE PRODUCTS AND MATERIAL CO., INC., Omaha, Nebr.

Filed May 1, 1947. Serial No. 521,635. PUBLISHED OCTOBER 14, 1947. Class 12.

435,774. SCRAPERS MADE OF METAL OR NON-METALLIC SUBSTANCES AND TO BE APPLIED TO THE TONGUE. DERMETICS, INC., Seattle, Wash., and New York, N. Y.

Filed May 1, 1947. Serial No. 521,645. PUBLISHED OCTOBER 7, 1947. Class 44.

435,775. PERFUME. JOSEPH W. SIMONEAU, doing business as J. W. Simoneau & Sons and White Mountain Perfumers, Nashua, N. H.

Filed May 1, 1947. Serial No. 521,692. PUBLISHED OCTOBER 14, 1947. Class 6.

435,776. AUTOMOBILE CLEANING COMPOUNDS. SCIENTIFIC SUPPLY CO., INC., Denver, Colo.

Filed May 2, 1947. Serial No. 521,758. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,777. SANITARY NAPKINS. THE STERILEX COMPANY INCORPORATED, New York, N. Y.

Filed May 5, 1947. Serial No. 521,940. PUBLISHED OCTOBER 7, 1947. Class 44.

435,778. LIQUID DETERGENT INTENDED PRIMARILY FOR DISHWASHING. CAMEO, INC., Toledo, Ohio.

Filed May 8, 1947. Serial No. 522,075. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,779. BACTERIOSTATIC SUBSTANCE DERIVED FROM THE GROWTH OF A MOLD, PENICILLIUM NOTATUM, PRODUCED FOR CLINICAL USE AS A SODIUM SALT. SCHENLEY LABORATORIES, INC., New York, N. Y.

Filed May 10, 1947. Serial No. 522,181. PUBLISHED OCTOBER 14, 1947. Class 6.

435,780. BACTERIOSTATIC SUBSTANCE DERIVED FROM THE GROWTH OF A MOLD, PENICILLIUM NOTATUM, PRODUCED FOR CLINICAL USE AS A SODIUM SALT. SCHENLEY LABORATORIES, INC., New York, N. Y.

Filed May 10, 1947. Serial No. 522,183. PUBLISHED OCTOBER 14, 1947. Class 6.

435,781. LIQUID PREPARATION FOR GENERAL CLEANING PURPOSES. CLOROX CHEMICAL CO., Oakland, Calif.

Filed May 12, 1947. Serial No. 522,244. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,782. SHAVING SOAP. COLGATE-PALMOLIVE-PET COMPANY, Jersey City, N. J.

Filed May 15, 1947. Serial No. 522,438. PUBLISHED SEPTEMBER 30, 1947. Class 4.

435,783. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF. CRIST FABRICS CORP., New York, N. Y.

Filed May 16, 1947. Serial No. 522,551. PUBLISHED OCTOBER 7, 1947. Class 42.

435,784. TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON AND A MIXTURE THEREOF. CONCORDIA-GALLIA CORPORATION, New York, N. Y.

Filed May 21, 1947. Serial No. 522,772. PUBLISHED OCTOBER 7, 1947. Class 42.

435,785. BRAIDED RUGS. CALLAWAY MILLS, La Grange, Ga.

Filed May 23, 1947. Serial No. 522,904. PUBLISHED OCTOBER 7, 1947. Class 42.

435,786. TOWELS. CANNON MILLS COMPANY, Kannapolis, N. C.

Filed June 2, 1947. Serial No. 523,366. PUBLISHED OCTOBER 7, 1947. Class 42.

435,787. SUSPENSORIES. THE CINCINNATI TRUSS COMPANY, Cincinnati, Ohio.

Filed June 2, 1947. Serial No. 523,370. PUBLISHED OCTOBER 7, 1947. Class 44.

435,788. COMBINED STORM AND WINDOW SCREEN SASHES, AND PREFABRICATED PORCHES, MADE PRINCIPALLY OF WOOD AND READY TO BE ATTACHED TO PRIVATE HOMES. ALVIN McLEAN, doing business as Freeport Sash & Door Co., Freeport, N. Y.

Filed June 4, 1947. Serial No. 523,527. PUBLISHED OCTOBER 7, 1947. Class 12.

435,789. GUM-MASSAGING ATTACHMENTS FOR TOOTHBRUSHES. PYCORP, INC., Jersey City, N. J.

Filed June 4, 1947. Serial No. 523,537. PUBLICATION WAIVED. Class 44.

435,790. ICE CREAM STABILIZER. GENERAL BIOCHEMICALS, INC., Chagrin Falls, Ohio.

Filed June 18, 1947. Serial No. 524,395. PUBLISHED SEPTEMBER 16, 1947. Class 46.

435,791. ELECTRICAL HEARING AIDS AND PARTS THEREOF—NAMELY, REPRODUCERS, CONNECTING CORDS, AND SUPPORTS FOR SUCH REPRODUCERS. ZENITH RADIO CORPORATION, Chicago, Ill.

Filed June 25, 1947. Serial No. 524,847. PUBLISHED OCTOBER 7, 1947. Class 44.

435,792. VITAMIN PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.

Filed June 28, 1947. Serial No. 525,113. PUBLISHED OCTOBER 14, 1947. Class 6.

ACT OF 1920

These registrations are not subject to opposition.

435,793. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) GOODMAN & THEISE INC., New York, N. Y. Filed Sept. 21, 1944. Serial No. 474,447.



FOR FABRICS IN THE PIECE OF WOOL, RAYON, SILK, COTTON, AND MIXTURES THEREOF FOR USE IN THE MANUFACTURE OF NECKTIES.
Claims use since Aug. 29, 1944.

435,794. (CLASS 12. CONSTRUCTION MATERIALS.) JAMES K. EICHELBERGER, Austin, Tex. Filed Feb. 26, 1945. Serial No. 480,233.



FOR PREFABRICATED BUILDINGS OF THE PANEL CONSTRUCTION TYPE AND BUILDING UNITS OF PREFABRICATED WALL SECTIONS.
Claims use since Dec. 11, 1944.

435,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALTONE CORPORATION, Anaheim, Calif. Filed Sept. 21, 1945. Serial No. 488,798.



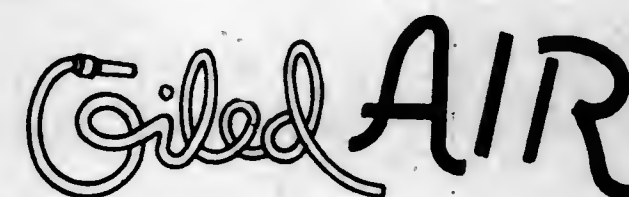
FOR CANNED AND BOTTLED GRAPEFRUIT JUICE, ORANGE JUICE AND ORANGE AND GRAPEFRUIT BLENDED JUICES FOR FOOD PURPOSES.
Claims use since July 1936.

435,796. (CLASS 12. CONSTRUCTION MATERIALS.) LEE R. SEMONES, doing business as National Building Materials Company, Tulsa, Okla.; Maxine Smoot Semones executrix of said Lee R. Semones, deceased. Filed Sept. 29, 1945. Serial No. 489,186.



FOR HEAT INSULATING MATERIAL, IN BATTING AND LOOSE FORM, COMPOSED OF FIBROUS MATERIAL, CHEMICALLY TREATED AND DERIVED FROM WOOD SIMILAR TO BALSAM.
Claims use since May 1, 1938.

435,797. (CLASS 15. OILS AND GREASES.) JOHN W. ARNOLD, San Francisco, Calif. Filed Nov. 6, 1945. Serial No. 491,148.



FOR LUBRICATOR FOR PNEUMATIC TOOLS COMPRISING A UNITARY OIL RESERVOIR AND BLEEDING PORT TO BE INCORPORATED IN THE AIR LINE BETWEEN THE COMPRESSOR AND THE TOOLS.
Claims use since Oct. 18, 1945.

435,798. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) ANGLO FABRICS COMPANY, New York, N. Y., assignor to Anglo Fabrics Company, Inc., New York, N. Y., a corporation of New York. Filed Dec. 22, 1945. Serial No. 493,720.



FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Nov. 28, 1945.

435,799. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MURRAY CORPORATION, Towson, Md. Filed Feb. 4, 1946. Serial No. 495,980.



FOR HOSE CLAMPS.
Claims use since July 1, 1932.

JANUARY 6, 1948

U. S. PATENT OFFICE

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435,800. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HAM-R-HED, St. Louis, Mo. Filed Feb. 23, 1946. Serial No. 497,072.



FOR GOLF CLUBS.
Claims use since Dec. 20, 1945.

435,801. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) G AND H MANUFACTURING Co., Philadelphia, Pa. Filed Mar. 9, 1946. Serial No. 497,929.



FOR PLUMBING SPECIALTIES—NAMELY, FLEXIBLE CONNECTIONS, TRAP PLUGS, PIPE CLAMPS, AND PIPE STRAPS.
Claims use since October 1945.

435,802. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MIDO SOCIETE ANONYME, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y. Filed Mar. 9, 1946. Serial No. 497,953.



FOR WATCHES, WATCH CASINGS AND PARTS OF WATCHES.
Claims use since December 1940.

435,803. (CLASS 12. CONSTRUCTION MATERIALS.) SAMUEL B. TAYLOR, Chicago, Ill. Filed Mar. 23, 1946. Serial No. 498,868.



FOR LUMBER.
Claims use since Jan. 10, 1941.

435,804. (CLASS 32. FURNITURE AND UPHOLSTERY.) FLORIN FINE ARTS PRODUCTS, Baltimore, Md. Filed Apr. 30, 1946. Serial No. 501,179.



FOR PICTURE FRAMES.
Claims use since Apr. 18, 1946.

435,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LILLIAN BYERS, Colorado Springs, Colo. Filed May 27, 1946. Serial No. 502,799.



FOR CANDIES AND SUGARED AND SALTED NUTS.
Claims use since December 1923.

435,806. (CLASS 12. CONSTRUCTION MATERIALS.) COLUMBIA INDUSTRIES, Long Island City, N. Y. Filed June 28, 1946. Serial No. 504,748.



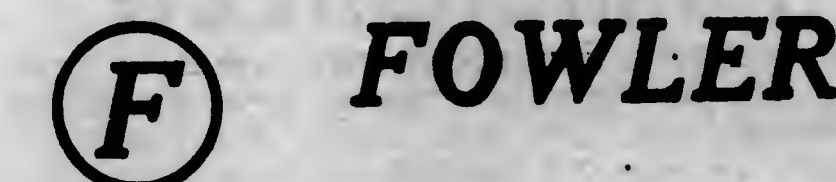
FOR DOOR SADDLES.
Claims use since December 1940.

435,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEX ROSENTHAL, doing business as Atlantic Food Packing Co., Trenton, N. J. Filed July 13, 1946. Serial No. 505,624.



FOR AN IMITATION LEMON JUICE BASE FOR FLAVORING FOOD PRODUCTS.
Claims use since Mar. 1, 1946.

435,808. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) THE FOWLER-UNION COMPANY, Hartford, Conn. Filed July 24, 1946. Serial No. 506,166.



FOR HACK SAW BLADES.
Claims use since June 12, 1946.

435,809. (CLASS 32. FURNITURE AND UPHOLSTERY.) SELLAVISION, INC., Mansfield, Ohio. Filed Aug. 6, 1946. Serial No. 506,970.



FOR MATTRESSES.
Claims use since October 1945.

435,810. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) WALTER R. STOUT, Merrick, N. Y. Filed Aug. 22, 1946. Serial No. 507,864.



FOR HEATING EQUIPMENT—NAMESLY, PRESSURE GUN-TYPE OIL BURNERS, BOILER OIL BURNER UNITS-STEAM, HOTWATER; HUMIDIFIED OZONATED AND FAN CIRCULATED WARM AIR SYSTEMS KNOWN TO THE TRADE AS "WINTER AIR CONDITIONING UNITS" ALL USING OIL FOR FUEL.

Claims use since May 5, 1936.

435,811. (CLASS 32. FURNITURE AND UPHOLSTERY.) NEW YORK FURNITURE EXHIBIT CORP., New York, N. Y. Filed Sept. 7, 1946. Serial No. 508,668.

Wedgewood

FOR FURNITURE—NAMESLY, DINING ROOM AND KITCHEN TABLES AND CHAIRS, SERVERS, CREDENZAS, BUFFETS, BEDS, DRESSERS, BUREAUS, STUDIO COUCHES, AND SOFAS.

Claims use since Apr. 6, 1946.

435,812. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) A. STEINAM COMPANY, Inc., New York, N. Y. Filed Sept. 13, 1946. Serial No. 509,044.

SAFE-T-WASH

FOR PIECE GOODS OF COTTON, LINEN, RAYON, OR MIXTURES THEREOF.

Claims use since July 10, 1946.

435,813. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) D. B. FULLER & Co., Inc., New York, N. Y. Filed Sept. 26, 1946. Serial No. 509,765.

PUKKERSHEER

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.

Claims use since Oct. 31, 1938.

435,814. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAPIN & ROBBINS, Inc., Palm Beach, Fla. Filed Sept. 27, 1946. Serial No. 509,824.

HANDPRUF

FOR NON-TOXIC CHEMICAL FORMULA TO BE USED AS A PROTECTIVE COATING FOR THE HANDS, SPECIFICALLY COMPOUND FOR PROTECTION AGAINST ACIDS, PAINTS, MINERAL SPIRITS AND SIMILAR SOLVENTS.

Claims use since February 1946.

435,815. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KEYSTONE VIEW COMPANY, Meadville, Pa. Filed Oct. 24, 1946. Serial No. 511,897.

TELEVIEWER

FOR STEREOSCOPES FOR VIEWING STEREOGRAPHS, THIRD DIMENSION PHOTOGRAPHS.

Claims use since October 1940.

435,816. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GOODELL COMPANY, Antrim, N. H. Filed Nov. 8, 1946. Serial No. 512,252.

GOODELL'S



FOR CUTLERY—NAMESLY, STEAK KNIVES, BUTCHER KNIVES, SLICING KNIVES, BONING KNIVES, STICKING KNIVES, SKINNING KNIVES, SABATIER COOK'S KNIVES, PARING KNIVES, CLAM KNIVES, OYSTER KNIVES, FISH KNIVES, ROAST BEEF SLICERS, HAM SLICERS, POT FORKS, COOK'S FORKS, BREAD KNIVES, CHEESE KNIVES, CLEAVERS, SPATULAS, PIE SERVERS, HAMBURGER TURNERS, CAKE TURNERS, PAN OR GRIDDLE SCRAPERS, BLOCK SCRAPERS, GRAPEFRUIT KNIVES, MINCING KNIVES, TABLE KNIVES, AND BUTCHER STEELS.

Claims use since Oct. 15, 1945.

435,817. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GOODELL COMPANY, Antrim, N. H. Filed Nov. 8, 1946. Serial No. 512,253.

GOODELL'S



FOR CUTLERY—NAMESLY, STEAK KNIVES, BUTCHER KNIVES, SLICING KNIVES, BONING KNIVES, STICKING KNIVES, SKINNING KNIVES, SABATIER COOK'S KNIVES, PARING KNIVES, CLAM KNIVES, OYSTER KNIVES, FISH KNIVES, ROAST BEEF SLICERS, HAM SLICERS, POT FORKS, COOK'S FORKS, BREAD KNIVES, CHEESE KNIVES, CLEAVERS, SPATULAS, PIE SERVERS, HAMBURGER TURNERS, CAKE TURNERS, PAN OR GRIDDLE SCRAPERS, BLOCK SCRAPERS, GRAPEFRUIT KNIVES, MINCING KNIVES, TABLE KNIVES, AND BUTCHER STEELS.

Claims use since Sept. 18, 1937.

435,818. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HENRY SANDOZ & FILS, La Chaux de Fonds, Switzerland. Filed Nov. 15, 1946. Serial No. 512,709.

Sandoz

FOR WATCHES AND WATCH MOVEMENTS.

Claims use since June 11, 1946.

435,819. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CHARLES NALBONE, Trenton, N. J. Filed Dec. 13, 1946. Serial No. 514,215.

MANASQUAN

FOR CERAMIC LAMP BASES FOR TABLE LAMPS, COMMODE LAMPS AND VANITY LAMPS, AND LAMP SHADES.

Claims use since January 1945.

435,820. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ERNEST LIOTTA, Sr., doing business as Cleveland Bait Manufacturing Company, Erieside, Ohio. Filed Mar. 5, 1947. Serial No. 518,539.

SPIN-TAIL

FOR ARTIFICIAL FISH BAIT OR FISH LURES.

Claims use since 1938.

435,821. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WABASH MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 23, 1947. Serial No. 521,228.

WABASH

The lining on the drawing represents shading. FOR HOSE MADE OF RUBBER OR FABRIC, OR A COMBINATION THEREOF.

Claims use since May 1944.

435,822. (CLASS 32. FURNITURE AND UPHOLSTERY.) TRANS-PLASTIC INC., Chicago, Ill. Filed May 2, 1947. Serial No. 521,767.



FOR PLASTIC VANITY MIRRORS.

Claims use since Nov. 1, 1945.

435,823. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. COLLOPY, Milpitas, Calif. Filed May 3, 1947. Serial No. 521,800.



The picture of the man is fanciful. FOR FRESH VEGETABLES—NAMESLY, CELERY.

Claims use since June 1941.

435,824. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE DUNCAN BRIGGS, doing business as Briggs Reel Company, Providence, R. I. Filed May 8, 1947. Serial No. 522,114.

BRIGGS

FOR FISHING REELS AND ARTIFICIAL LURES.

Claims use since Jan. 21, 1946.

435,825. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE DUNCAN BRIGGS, doing business as Briggs Reel Company, Providence, R. I. Filed May 9, 1947. Serial No. 522,140.

DUNCAN BRIGGS

FOR FISHING REELS AND ARTIFICIAL LURES.

Claims use since Jan. 21, 1946.

435,826. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FALLBROOK CITRUS ASSOCIATION, also doing business as The Fallbrook Citrus Association, Fallbrook, Calif. Filed June 10, 1947. Serial No. 523,892.

FALLBROOK

FOR FRESH CITRUS FRUITS.

Claims use since 1916.

TRADE-MARK REGISTRATIONS RENEWED

- 53,062. "WOLFE'S AROMATIC SCHIEDAM SCHNAPPS" ETC. Registered May 22, 1906. Udolpho Wolfe Company, New York, N. Y. Re-renewed May 22, 1946 (as provided by P. L. 517, July 17, 1946), to Naamlooze Vennootschap Handelsvereniging Udolpho Wolfe Company, Rotterdam, Netherlands, a Dutch corporation. A MEDICINAL TONIC AND CORDIAL. Class 6.
- 62,407. PEPSOL. Registered May 7, 1907. Pepsol Chemical Company. Re-renewed May 7, 1947, to The Pepsol Company, Inc., Nashville, Tenn., a corporation of Tennessee. A NON-ALCOHOLIC CARBONATED BEVERAGE. Class 45.
- 65,932. DOUBLE COAT OF ARMS DESIGN. Registered Oct. 29, 1907. The Winterbottom Book Cloth Company Limited, Manchester, England, a limited liability company organized under the laws of Great Britain. Re-renewed Oct. 29, 1947. TRACING CLOTH. Class 37.
- 66,740. "OWL BRAND" AND DESIGN. Registered Dec. 24, 1907. Friedman & Distillator. Re-renewed Dec. 24, 1947, to Friedman & Distillator, Inc., New York, N. Y., a corporation of New York. CHIFFONS, MALLINES, RIBBONS, AND VELVETS. Class 42.
- 66,933. SPOT CORD. Registered Jan. 7, 1908. Samson Cordage Works, Boston, Mass., a corporation of Massachusetts. Re-renewed Jan. 7, 1948. BRAIDED SASH CORD. Class 7.
- 139,059. BANNER POULTRY FENCE. Registered Jan. 18, 1921. The American Steel & Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Renewed Jan. 5, 1948 (Supplemental Register). POULTRY FENCE WIRE. Class 13.
- 144,139. "OILWELL." Registered June 21, 1921. Oil Well Supply Company, Pittsburgh, Pa. Renewed Jan. 5, 1948 (Supplemental Register), to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey. OIL-WELL RIGS, OIL-WELL DERRICKS, RIG PARTS, DERRICK PARTS, PORTABLE DRILLING-MACHINES, PORTABLE WELL PULLING MACHINES AND OTHER NAMED ITEMS OF TOOLS AND MACHINERY. Class 23.
- 162,632. BRILLIANT. Registered Dec. 19, 1922. The Clark Thread Company, Newark, N. J. Renewed Jan. 5, 1948 (Supplemental Register), to The Clark Thread Company, Clarkdale, Ga., a corporation of Delaware. CROCHET COTTON. Class 43.
- 175,282. "COLGATE'S" ETC. AND DESIGN. Registered Oct. 30, 1923. Colgate & Company, Jersey City, N. J., and New York, N. Y. Renewed Jan. 5, 1948 (Supplemental Register), to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. SHAVING SOAP. Class 4.
- 198,963. CORDOVA. Registered May 26, 1925. Neptune Sea Food Company, San Diego, Calif. Renewed Jan. 5, 1948 (Supplemental Register), to Hovden Food Products Corporation, Monterey, Calif., a corporation of California. CANNED FISH. Class 46.
- 201,990. ARISTOCRAT. Registered Aug. 11, 1925. Bradshaw and Moore, Limited, Manchester, England. Renewed Aug. 11, 1945, to Wawak Company, Inc., Chicago, Ill., a corporation of Illinois. COTTON PIECE GOODS. Class 42.
- 209,209. "BILLY BOY" AND DRAWING. Registered Feb. 16, 1926. Owen Canning Company. Renewed Feb. 16, 1946, to Owen Canning Corporation, Owen, Wis., a corporation of Wisconsin. CANNED PEAS. Class 46.
- 216,535. "CROWN" AND DRAWING. Registered Aug. 10, 1926. O. S. Schmidt, doing business as Crown Laboratories. Renewed Aug. 10, 1946, to John M. Lazaretto, doing business as A. O. Schmidt Company, San Francisco, Calif. REMEDY FOR HEADACHE. Class 6.
- 221,645. DULTEX. Registered Dec. 7, 1926. Frank Bownes Company, Inc., Lynn, Mass. Renewed Dec. 7, 1946, to Frank Bownes Company, Chelsea, Mass., a corporation of Massachusetts. PAINTS. Class 16.
- 226,489. RED BOY. Registered Apr. 12, 1927. Deming & Gould Co., Chicago, Ill., and South Bellingham, Wash. Renewed Apr. 12, 1947, to Pacific American Fisheries, Inc., South Bellingham, Wash., a corporation of Delaware. CANNED FRUITS AND VEGETABLES. Class 46.
- 226,575. "GAM—TAN" AND DESIGN. Registered Apr. 12, 1927. F. Ranville Company. Renewed Apr. 12, 1947, to F. Ranville Company, Grand Rapids, Mich., a corporation of Michigan. BELTING—NAMELY, LEATHER BELTING. Class 35.
- 226,955. INSUL-GLAZ. Registered Apr. 26, 1927. Clay Products Company, Incorporated. Renewed Apr. 26, 1947, to Arketex Ceramic Corporation, Brazil, Ind., a corporation of Indiana. TILES. Class 12.
- 227,006. "A. W. FABER'S WORLDWIDE" AND REPRESENTATION OF BALANCE SCALES. Registered Apr. 26, 1927. Count Alexander von Faber-Castell, Stein, near Nuremberg, Germany. Renewed Apr. 26, 1947, to A. W. Faber, Inc., Newark, N. J., a corporation of New Jersey. LEAD PENCILS, PENCIL HOLDERS, COLORED PENCILS, PASTEL CRAYONS, PATENT PENCILS, ARTISTS' PENCILS AND LEADS FOR THEM, COPYING PENCILS, INK PENCILS, AND OTHER NAMED ARTICLES OF STATIONERY SUPPLIES. Class 37.
- 227,030. DUR-O-LITE. Registered Apr. 26, 1927. Dur-O-Lite Pencil Company, Chicago, Ill. Renewed Apr. 26, 1947, to Dur-O-Lite Pencil Company, Melrose Park, Ill., a corporation of Delaware. REFILLABLE PENCILS AND LEADS THEREFOR. Class 37.
- 227,941. "BIRTANK AN INGALLS PRODUCT" AND DESIGN. Registered May 17, 1927. The Birmingham Tany Company. Renewed May 17, 1947, to The Ingalls Iron Works Company, Birmingham, Ala., a corporation of Delaware. STEEL STORAGE TANKS WHICH ARE USED FOR VARIOUS PURPOSES, SUCH AS GASOLINE FILLING STATIONS. Class 2.
- 228,554. LAUXTEX. Registered June 7, 1927. I. F. Laucks Inc. Renewed June 7, 1947, to Monsanto Chemical Company, Seattle, Wash., a corporation of Delaware. PLASTIC WALL OR FLOOR COATING. Class 12.
- 228,579. TRIENA. Registered June 7, 1927. Lauber & Lauber Co., Chicago, Ill. Renewed June 7, 1947, to Allied Drug Products Company, Chattanooga, Tenn., a corporation of Delaware. MEDICINAL PREPARATION—VIZ., A STOMACH AND BOWEL REGULATOR. Class 6.
- 229,601. ORB. Registered July 5, 1927. Union Fishermen's Co-operative Packing Co., Astoria, Oreg., a corporation of Oregon. Renewed July 5, 1947. CANNED SALMON. Class 46.
- 230,513. BATIKA. Registered July 26, 1927. S. Stein & Co. Renewed July 26, 1947, to Kingsley Fabrics Inc., New York, N. Y., a corporation of New York. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. Class 42.
- 231,075. HALLCRAFT. Registered Aug. 9, 1927. Hall, Hartwell & Co. Inc., Troy, N. Y. Renewed Aug. 9, 1947, to The Hallmark Shirt Co., Inc., New York, N. Y., a corporation of New York. COLLARS, AND DRESS, NEGLIGENCE, AND WORK SHIRTS. Class 39.

- 231,208. SELBY. Registered Aug. 16, 1927. American Smelting and Refining Company, New York, N. Y., and San Francisco, Calif. Renewed Aug. 16, 1947, to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey. PIG LEAD, CALKING LEAD, AND BAR LEAD. Class 14.
- 232,017. "GOLD CROSS" AND DESIGN COLORED GOLD. Registered Aug. 30, 1927. Brechet & Richter Company, Minneapolis, Minn., a corporation of Minnesota. Renewed Aug. 30, 1947. NONALCOHOLIC, MALTLESS CONCENTRATES, SIRUPS, AND FLAVORS USED IN THE PREPARATION OF SOFT DRINKS. Class 45.
- 232,099. LABEL DESIGN. Registered Aug. 30, 1927. Hostess Products Corp., New York, N. Y. Renewed Aug. 30, 1947, to Hostess Products Corp., Long Island City, N. Y., a corporation of New York. MAYONNAISE AND RUSSIAN DRESSING. Class 46.
- 232,330. POLYCHROMOS. Registered Sept. 6, 1927. A. W. Faber, Inc. Renewed Sept. 6, 1947, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. PENCILS. Class 37.
- 232,920. PHOTO-ERA-MAGAZINE. Registered Sept. 20, 1927. Photo-Era Publishing Co., Wolfeboro, N. H. Renewed Sept. 20, 1947, to American Photographic Publishing Co., Boston, Mass., a corporation of Massachusetts. MONTHLY MAGAZINE. Class 38.
- 233,243. "RED HEART" AND DESIGN COLORED RED. Registered Sept. 27, 1927. Tai Hing Company. Renewed Sept. 27, 1947, to Tai Hing Company, Honolulu, Territory of Hawaii, a firm. COFFEE. Class 46.
- 233,338. REPRESENTATION OF A GRIFFON. Registered Sept. 27, 1927. Terminal Barber Shops, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 27, 1947. HAIR TONICS. Class 6.
- 233,349. TERMINAL. Registered Sept. 27, 1927. Terminal Barber Shops, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 27, 1947. HAIR TONICS. Class 6.
- 233,996. "BIG BOY" AND DRAWING. Registered Oct. 18, 1927. Russia Cement Company. Renewed Oct. 18, 1947, to Le Page's, Inc., Gloucester, Mass., a corporation of Massachusetts. ADHESIVE PASTE. Class 5.
- 234,203. SHOE MERCHANDISING. Registered Oct. 18, 1927. Shoe & Leather Reporter Co., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 18, 1947. PUBLICATION ISSUED MONTHLY. Class 38.
- 235,052. FANCIFUL PICTURE OF A COLUMBUS CARAVEL AND SHORE OF TROPICAL ISLAND. Registered Nov. 8, 1927. Columbus Manufacturing Company, Columbus, Ga., a corporation of Georgia. Renewed Nov. 8, 1947. COTTON SHEETINGS. Class 42.
- 235,151. ROADAMITE. Registered Nov. 15, 1927. Gilmore Oil Company. Renewed Nov. 15, 1947, to General Petroleum Corporation, Los Angeles, Calif., a corporation of Delaware. GASOLINE, KEROSENE, LUBRICATING OIL, DIESEL FUEL OIL, GREASE, FUEL OIL, MOTOR OIL, ENGINE DISTILLATE, ROAD OIL. Class 15.
- 236,170. "LET EM ALL COME" REPRESENTATION OF A BULL DOG ON BOX ETC. Registered Dec. 6, 1927. The Cleveland Cleaner and Paste Co., Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 6, 1947. WALL-PAPER CLEANER. Class 4.
- 236,270. AEROBE. Registered Dec. 6, 1927. Hartmann Trunk Company. Renewed Dec. 6, 1947, to Hartmann Company, Racine, Wis., a corporation of Wisconsin. WARDROBE SUITCASES. Class 3.
- 236,761. AUNT JANE'S. Registered Dec. 20, 1927. J. J. Gielow & Sons, Highland Park, Mich., assignor to J. J. Gielow & Sons, Inc., Detroit, Mich., a corporation of Michigan. HORSE-RADISH, PICKLES, SWEET PEPPER RELISH, VINEGAR, CATCHUP, MAYONNAISE, HONEY, FRUIT PRESERVES, AND OTHER NAMED FOODS AND INGREDIENTS OF FOODS. Class 46.
- 237,068. AQUA-SEAL. Registered Jan. 3, 1928. M. J. Merkin Paint Co., Inc., New York, N. Y., a corporation of New York. Renewed Jan. 3, 1948. BLACK COATING FOR DAMPPROOFING BRICK, STONE, OR TERRACOTTA WALLS ABOVE OR BELOW GROUND, CONTAINING A COMPOSITION OF GILSONITE AND ASPHALTIC GUMS BLENDED WITH VEGETABLE PITCHES, NONVOLATILE OILS, AND PETROLEUM DISTILLATES. Class 12.
- 237,176. "CLEVELAND CLEANER" AND DESIGN, LINED FOR RED. Registered Jan. 3, 1928. The Cleveland Cleaner and Paste Co., Cleveland, Ohio, a corporation of Ohio. Renewed Jan. 3, 1948. WALL-PAPER CLEANER. Class 4.
- 237,380. "THOMAS A. EDISON" ETC. AND PICTURE. Registered Jan. 10, 1928. Edison Storage Battery Company. Renewed Jan. 10, 1948, to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. STORAGE BATTERIES. Class 21.
- 237,880. EMBLEM. Registered Jan. 17, 1928. I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York. Renewed Jan. 17, 1948. DRESS SHIELDS AND SLIP-OVER GARMENT SHIELDS. Class 40.
- 237,956. INOVATION. Registered Jan. 24, 1928. Meyer Mueller-Goodman Co., St. Louis, Mo., a corporation of Missouri. Renewed Jan. 24, 1948. NECKTIES AND CRAVATS. Class 39.
- 238,070. "HYDROMATIC" ETC. AND DESIGN. Registered Jan. 24, 1928. Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts. Renewed Jan. 24, 1948. INTERNAL-GRINDING MACHINES. Class 23.
- 238,161. RITO. Registered Jan. 31, 1928. The Haloid Company, Rochester, N. Y., a corporation of New York. Renewed Jan. 31, 1948. SENSITIZED, PHOTOGRAPHIC DEVELOPING PAPERS. Class 26.
- 238,644. "OWL" AND PICTURESQUE DRAWING. Registered Feb. 14, 1928. Rufus W. Scott Company. Renewed Feb. 14, 1948, to Leroy Bartels, New York, N. Y. HOSIERY. Class 39.

TRADE-MARK REGISTRATIONS CANCELED

- 80,451. QUAKER. Registered Dec. 20, 1910. The White-Warner Co., Taunton, Mass. HEATING STOVES, RANGES, FURNACES, HOT AIR AND HOT WATER HEATERS. Class 34. Canceled Dec. 11, 1947.
- 116,006. WHITE HOUSE AND REPRESENTATION OF A HOUSE. Registered Mar. 27, 1917. Seguin Milling & Power Co., Seguin, Tex. WHEAT-FLOUR. Class 46. Canceled Dec. 11, 1947.
- 256,866. SOFTO. Registered May 28, 1929. The Permanent Waving System Co., Chicago, Ill. LIQUID COMPOSITION FOR SOFTENING THE HAIR. Class 6. Canceled Dec. 11, 1947.
- 290,284. PA-POYA. Registered Dec. 29, 1931. The Pa-Poya Co., Miami, Fla. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND THE SYRUPS FORMING THE BASES OF SUCH BEVERAGES. Class 45. Canceled Dec. 10, 1947.

- 302,333. WHITE HOUSE. Registered Apr. 11, 1933. Seguin Milling & Power Company, Seguin, Tex. CORN MEAL, SCRATCH FEED, DEVELOPER SCRATCH FEED, ETC. Class 46. Canceled Dec. 11, 1947.
- 409,529. ROLLAWAY. Registered Oct. 10, 1944. M. & D. Simon Co., Cleveland, Ohio. MEN'S AND BOYS' DRESS AND SPORT SHIRTS. Class 39. Canceled Dec. 10, 1947.
- 413,487. GLO-TINT. Registered Apr. 24, 1945. Isadore Bluestone, doing business as Glo-Tint Cosmetic Company, Pittsburgh, Pa. CREAM POWDER, FACE

MAKE-UP, AND LEG MAKE-UP. Class 6. Canceled Dec. 10, 1947.

419,347. DURO LITE. Registered Feb. 12, 1946. Duro-Test Corporation, North Bergen, N. J., and elsewhere. INCANDESCENT LAMPS. Class 21. Canceled Dec. 8, 1947.

426,167. BEAUTICATOR. Registered Dec. 17, 1946. Southern California Plastic Company, Eagle Rock, Calif. PLASTIC APPLICATORS FOR APPLYING COLD CREAMS, DEODORANTS, AND DEPILATORIES. Class 44. Canceled Dec. 11, 1947.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

- 116,691. SIGNODE. Registered May 15, 1917. Signode System, Inc. Renewed to Consolidated Steel Strapping Company, Chicago, Ill. STRETCHING-TOOL. Class 23. Amended as follows: In the drawing, for SIGNODE read SIGNODE.
- 116,862. SIGNODE. Registered May 29, 1917. Signode System, Inc. Renewed to Consolidated Steel Strapping Company, Chicago, Ill. LOCKS AND SAFES. Class

25. Amended as follows: In the drawing, for SIGNODE read SIGNODE.

116,863. SIGNODE. Registered May 29, 1917. Signode System, Inc. Renewed to Consolidated Steel Strapping Company, Chicago, Ill. METAL STRAPPING FOR BOX-FASTENING OR THE LIKE. Class 13. Amended as follows: In the drawing, for SIGNODE read SIGNODE.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

- Reg. No. 104,566. Registered June 1, 1915. NORTHRUP, KING & CO., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.



FOR SEEDS.
Claims use since Dec. 15, 1914.

- Reg. No. 104,801. Registered June 15, 1915. KNITTED PADDING COMPANY, Canton, Mass., a corporation of Massachusetts. Republished by registrant.

Knitted Padding

FOR UNSPUN COTTON FIBER MADE INTO SHEET OR BLANKET FORM, REINFORCED AND HELD COMPACTED BY STITCHING THERE THROUGH.
Claims use since Jan. 1, 1880.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

- Reg. No. 109,126. Registered Mar. 21, 1916. THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant. The words "The White Naptha Soap" are disclaimed.

P AND G
THE WHITE
NAPHTHA SOAP

FOR SOAP.
Claims use since Jan. 1, 1905.

- Reg. No. 118,202. Registered Aug. 21, 1917. JAMES S. KIRK & COMPANY, Chicago, Ill. Republished by The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio.

COLOGNE BOUQUET

FOR SOAP.
Claims use since Mar. 1, 1888.

CLASS 5

ADHESIVES

- Reg. No. 57,497. Registered Nov. 13, 1906. CLARK PAPER & MANUFACTURING Co., Rochester, N. Y. Republished by Clark Stek-O Corporation, Rochester, N. Y., a corporation of New York.

STEK-O

FOR PASTE IN POWDER FORM.
Claims use since December 1899.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

- Reg. No. 101,699. Registered Jan. 5, 1915. CONDENSED BLUING COMPANY, Chicago, Ill. Republished by The John Puhl Products Company, Chicago, Ill., a corporation of Illinois.

Little Boy Blue



FOR BLUING COMPOUND.
Claims use since July 22, 1914.

- Reg. No. 117,657. Registered July 24, 1917. FOWLER PACKING Co., Portland, Maine, and Kansas City, Kans. Republished by Armour and Company, Chicago, Ill., a corporation of Illinois.



FOR A MEDICINAL PREPARATION USED FOR INOCULATING SWINE AS A PREVENTIVE AGAINST CHOLERA.

Claims use since Sept. 1, 1914.

CLASS 7

CORDAGE

- Reg. No. 106,973. Registered Nov. 9, 1915. INTERNATIONAL HARVESTER COMPANY OF NEW JERSEY, Chicago, Ill. Republished by International Harvester Company, Chicago, Ill., a corporation of New Jersey.

MCCORMICK

FOR ROPE, CORD, TWINE, AND BINDER-TWINE.
Claims use since November 1880.

- Reg. No. 106,974. Registered Nov. 9, 1915. INTERNATIONAL HARVESTER COMPANY OF NEW JERSEY, Chicago, Ill. Republished by International Harvester Company, Chicago, Ill., a corporation of New Jersey.

DEERING

FOR ROPE, CORD, TWINE, AND BINDER-TWINE.
Claims use since November 1879.

- Reg. No. 106,975. Registered Nov. 9, 1915. INTERNATIONAL HARVESTER COMPANY OF NEW JERSEY, Chicago, Ill. Republished by International Harvester Company, Chicago, Ill., a corporation of New Jersey.

INTERNATIONAL

FOR ROPE, CORD, TWINE, AND BINDER-TWINE.
Claims use since January 1, 1903.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

- Reg. No. 117,240. Registered June 26, 1917. AMERICAN METAL PRODUCTS COMPANY, Milwaukee, Wis. Republished by Ampco Metal, Inc., Milwaukee, Wis., a corporation of Wisconsin.



FOR METALS RESEMBLING BRONZE AND CASTINGS MADE FROM SAID METAL.
Claims use since June 2, 1914.

CLASS 19

VEHICLES

- Reg. No. 87,342. Registered July 9, 1912. ILLINOIS IRON & BOLT Co., Carpentersville, Ill., a corporation of Illinois. Republished by registrant.



FOR STEEL WAREHOUSE TRUCKS.
Claims use since August 1906.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 101,568. Registered Dec. 19, 1914. ECONOMY FUSE & MANUFACTURING COMPANY, Chicago, Ill. Republished by Economy Fuse and Manufacturing Company, Chicago, Ill., a corporation of Illinois.

ECONOMY

FOR SAFETY FUSES FOR ELECTRIC CIRCUITS.
Claims use since Oct. 1, 1911.

Reg. No. 117,981. Registered Aug. 14, 1917. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant, present location Des Plaines, Ill.

TELECODE

FOR ELECTRIC SOUND-PRODUCING SIGNALING DEVICES.
Claims use since Jan. 1, 1917.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 102,093. Registered Jan. 26, 1915. GREENFIELD MACHINE COMPANY, Greenfield, Mass. Republished by Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts. The drawing is lined for red.



FOR GRINDING MACHINES.
Claims use since Feb. 1, 1913.

Reg. No. 102,788. Registered Feb. 23, 1915. GREENFIELD TAP & DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

ACORN

FOR SCREW-CUTTING DIES.
Claims use since February 1914.

Reg. No. 108,735. Registered Feb. 22, 1916. E. C. ATKINS AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

SHEFFIELD SAWWORKS

FOR SAWS AND SAW-FITTING TOOLS—NAMESLY, SAW SETS, GAGES, JOINTERS, SWAGES, FILERS, SETTING AND SWAGING HAMMERS, AND SHAPERS.
Claims use since 1857.

Reg. No. 110,539. Registered May 30, 1916. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR BIT BRACE TOOLS, BOLT CUTTERS, BUTTRESSES, HORSESHOERS, CHUCKS, TAP AND DRILL: COLLETS, COUNTER SHAFTS, COUNTER-SINKS, DIES AND PARTS, AND ALL OTHER GOODS MENTIONED IN REGISTRATION.
Claims use since Oct. 1, 1915.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 114,882. Registered Jan. 9, 1917. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant. The words "Reg. U. S. Pat. Off." are disclaimed.



FOR GAUGES AND MICROMETERS.
Claims use since Oct. 1, 1915.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 114,963. Registered Jan. 16, 1917. THE GENERAL TIRE AND RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Republished by registrant.

GENERAL

FOR RUBBER TIRES AND TIRE CASINGS OF RUBBER WITH SUITABLE STRENGTHENING MATERIAL, AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Feb. 15, 1916.

Reg. No. 115,605. Registered Feb. 27, 1917. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Republished by registrant.

JUMBO

FOR RUBBER TIRES OR TIRE CASINGS WITH SUITABLE STRENGTHENING MATERIAL AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Aug. 1, 1916.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 113,866. Registered Nov. 7, 1916. JAMES B. CLOW & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant. No claim is made for the word "Chicago."



FOR CATALOGS, PRICE-LISTS, AND OTHER PUBLICATIONS.
Claims use since 1914.

CLASS 39

CLOTHING

Reg. No. 103,677. Registered Apr. 13, 1915. POWELL & CAMPBELL, New York, N. Y. Republished by Powell & Campbell, Inc., New York, N. Y., a corporation of New York.



FOR LEATHER, CANVAS, AND FABRIC BOOTS, SHOES, SLIPPERS AND RUBBERS.
Claims use since Apr. 13, 1912.

Reg. No. 105,703. Registered Aug. 10, 1915. A. J. TOWER COMPANY, Boston, Mass. Republished by A. J. Tower Company (1926), Boston, Mass., a corporation of Massachusetts.



The word "Brand" is disclaimed.
FOR OILED CLOTHING.
Claims use since Mar. 15, 1900.

Reg. No. 113,425. Registered Oct. 17, 1916. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PIONEER

FOR BELTS, ARMBANDS, AND GARTERS.
Claims use since prior to 1900.

Reg. No. 114,075. Registered Nov. 21, 1916. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR SUSPENDERS, BELTS, AND ARMBANDS.
Claims use since 1891.

Reg. No. 117,917. Registered Aug. 7, 1917. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

TUXEDO

FOR SUSPENDERS.
Claims use since prior to 1902.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 104,820. Registered June 15, 1915. UNITED LACE & BRAID MANUFACTURING COMPANY, Cranston, R. I. Republished by United Lace & Braid Company, Cranston, R. I., a corporation of Rhode Island.

BEADED

FOR BRAIDS, SHOE-LACES, GALLOONS AND CORSET-LACES.
Claims use since November 1905.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 103,240. Registered Mar. 23, 1915. INDERRIEDEN CANNING CO., Chicago, Ill. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

RICE LAKE

FOR CANNED VEGETABLES.
Claims use since Jan. 6, 1914.

Reg. No. 107,631. Registered Dec. 14, 1915. NORTHRUP, KING & CO., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

Peep o'Day

FOR CHICK-MEAL.
Claims use since Apr. 20, 1915.

Reg. No. 107,706. Registered Dec. 21, 1915. THE FRANKLIN SUGAR REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant. The words "Confectioners," "Sugar" and "Standard of Purity" are disclaimed.



Standard of Purity.

FOR CONFECTIONERS' SUGAR.
Claims use since Apr. 9, 1912.

Reg. No. 114,822. Registered Jan. 2, 1917. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

SELEX

FOR COOKING FAT.
Claims use since Sept. 8, 1916.

Reg. No. 116,557. Registered May 8, 1917. SALADA TEA COMPANY, INC., Portland, Maine, and Boston, Mass., a corporation of Maine. Republished by registrant, present location Boston, Mass.



FOR TEA.
Claims use since Dec. 31, 1892.

Reg. No. 117,533. Registered July 17, 1917. DULUTH-SUPERIOR MILLING COMPANY, Duluth, Minn., and New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.

HIGH-LOAF

FOR WHEAT-FLOUR.
Claims use since Sept. 1, 1882.

Reg. No. 117,704. Registered July 24, 1917. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

CRISCO

FOR COOKING FAT.
Claims use since June 1, 1911.

Reg. No. 118,612. Registered Sept. 18, 1917. THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y., and Kansas City, Mo. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.



FOR WHEAT FLOUR.
Claims use since Feb. 21, 1917.

CLASS 48

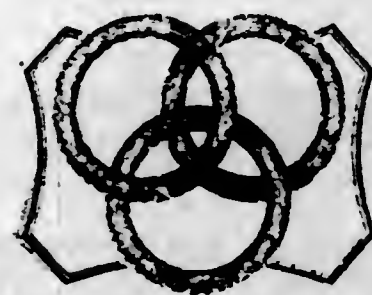
MALT BEVERAGES AND LIQUORS

Reg. No. 37,901. Registered Mar. 4, 1902. WM. J. LEMP BREWING CO., St. Louis, Mo. Republished by Falstaff Brewing Corporation, St. Louis, Mo., a corporation of Delaware.

FALSTAFF

FOR BEER.
Claims use since June 1899.

Reg. No. 119,244. Registered Nov. 13, 1917. P. BALLANTINE & SONS, Newark, N. J., a corporation of New Jersey. Republished by registrant.



FOR LAGER BEER.
Claims use since Jan. 18, 1907.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 116,744. Registered May 22, 1917. ARMSTRONG CORK COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant, present location Manheim Township, Lancaster County, Pa.

KORXOLE

FOR INNERSOLING FOR SHOES.
Claims use since Nov. 15, 1916.

Reg. No. 119,162. Registered Oct. 30, 1917. ARMSTRONG CORK COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant, present location Manheim Township, Lancaster County, Pa.

LINOSOLE

FOR SLIP-INSOLES FOR SHOES.
Claims use since May 8, 1917.

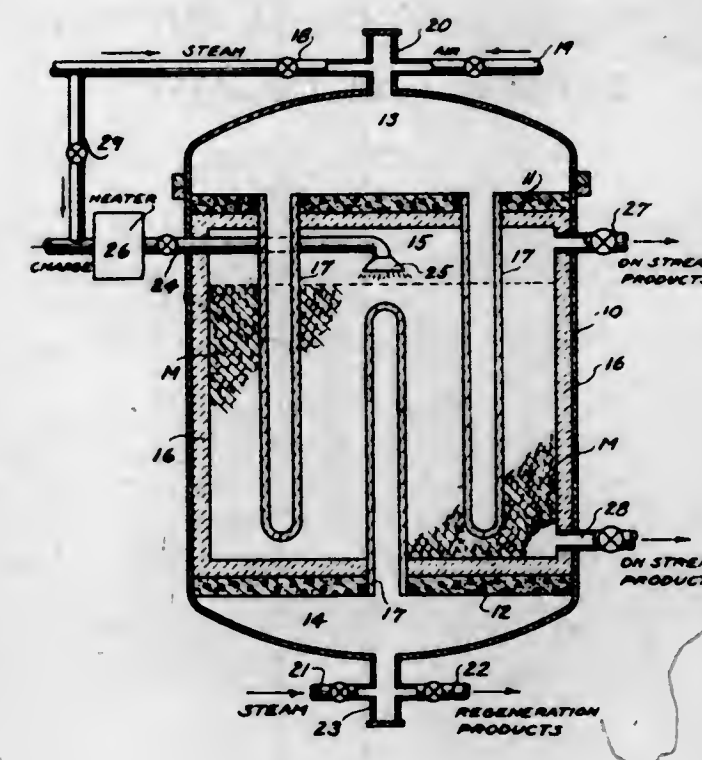
REISSUES

JANUARY 6, 1948

22,957

RESIDUAL HYDROCARBON TREATMENT

John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Original No. 2,380,391, dated July 31, 1945, Serial No. 387,000, April 5, 1941. Application for re-issue July 20, 1946, Serial No. 685,044
7 Claims. (Cl. 196—55)



3. In a cyclic process involving the successive subjection of relatively inert contact material to temperature elevation and to on-stream flow of a heavy hydrocarbon charge comprising liquid hydrocarbon material to produce a clean distillate stock free from tarry material and boiling above the gasoline boiling range, the steps of burning coke which was previously deposited on the inert contact material so that the temperature thereof will occupy a range which is effective as regards decomposition and vaporization of the heaviest portion of the charge, heating the charge and producing a mixture of vapor and liquid phase hydrocarbon material, contacting said mixture with a bed of such inert contact material having bed temperature at least as high as 1000° F. at the start of the on-stream period and approaching 900° F. during continuance of at least a substantial part of said on-stream period whereby said liquid portion of the charge is rapidly decomposed and vaporized substantially solely by transfer of heat thereto from the inert contact material which consequently drops in temperature as a deposit of coke accumulates thereon, and controlling the operation as regards the temperature of the inert contact material and restriction of the contact time of the hydrocarbon vapors therewith to about 15 seconds or less so as to prevent any substantial cracking of the charge into lower boiling hydrocarbons of the gasoline type.

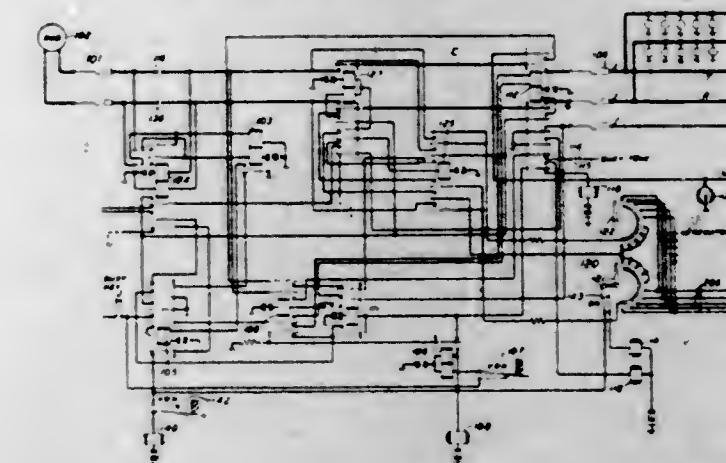
606 O. G.—5

22,958

TELEPHONE SYSTEM

John Davidson, Jr., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original No. 2,208,924, dated July 23, 1940, Serial No. 248,433, December 30, 1938. Application for reissue November 20, 1942, Serial No. 466,295

6 Claims. (Cl. 179—27)



1. In a telephone system, a calling line, a called party line, an operator's position, an intercepting trunk associated with said called party line, means for establishing a connection from said calling line to said called line and for transmitting a ringing code to said party line for calling any one of the parties on said line, and means in said trunk for discontinuing the transmission of a particular ringing current to said party line and for establishing a connection over said intercepting trunk to said operator's position.

22,959

LADDER WEBBING

George Frederick French, Manchester, England, assignor to Roger French, Manchester, England, and himself
Original No. 2,408,839, dated October 8, 1946, Serial No. 281,228, June 26, 1939. Application for reissue October 6, 1947, Serial No. 778,058. In Great Britain April 6, 1939
15 Claims. (Cl. 139—384)



1. Ladder webbing comprising two outer bandings and joining cross-straps, wherein the outer bandings are of different colours, and wherein one portion of the cross-strap warps is of one colour agreeing with the colour of one banding, and the other portion is of another colour agreeing with the colour of the other banding, and wherein at a binding-in of a strap to a banding, the strap warps of like colour to the banding are interwoven with such banding, whilst the other strap warps are only bound to the inner face of the banding, no portion of the cross-strap warps of one colour showing through the banding of the other colour.

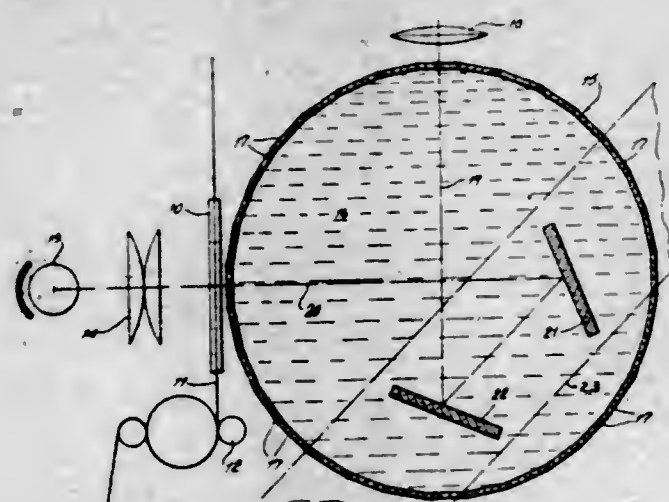
65

22,960

OPTICAL COMPENSATOR

Jacob F. Leventhal, New York, N. Y., assignor to Leventhal Patents, Inc., Chattanooga, Tenn., a corporation of Delaware
Original No. 2,417,002, dated March 4, 1947, Serial No. 577,300, February 10, 1945. Application for reissue March 27, 1947, Serial No. 737,590

6 Claims. (Cl. 88—16.8)



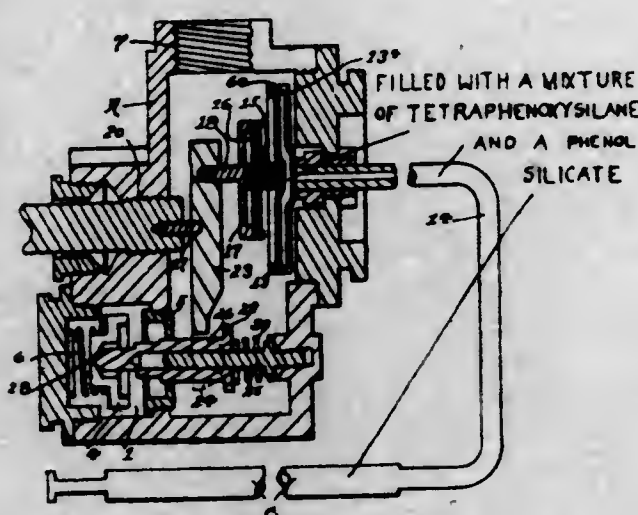
1. An optical compensator comprising a transparent rotatable container having an even number of flat exterior faces parallel to the container axis and an equal number of flat interior faces, each interior face being parallel to an exterior face with uniform spacing between the exterior and interior faces of the pairs, a body of transparent liquid in said container, and a pair of reflectors within the liquid body parallel to the rotational axis and in proper angular relation to each other that a beam of light entering one exterior face of the compensator at right angles thereto emerges from another exterior face of the compensator at right angles thereto.

22,961

LIQUID PRODUCT AND THERMOSTATIC DEVICE EMBODYING SAME

Vaughan Morrill, Jr., St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Original No. 2,413,513, dated December 31, 1946, Serial No. 507,764, October 26, 1943. Application for reissue November 4, 1947, Serial No. 784,067

2 Claims. (Cl. 297—3)



2. In a thermostatically operated device for use over a wide range of temperature from a low of at least 0° F. to a high of approximately 800° F.,

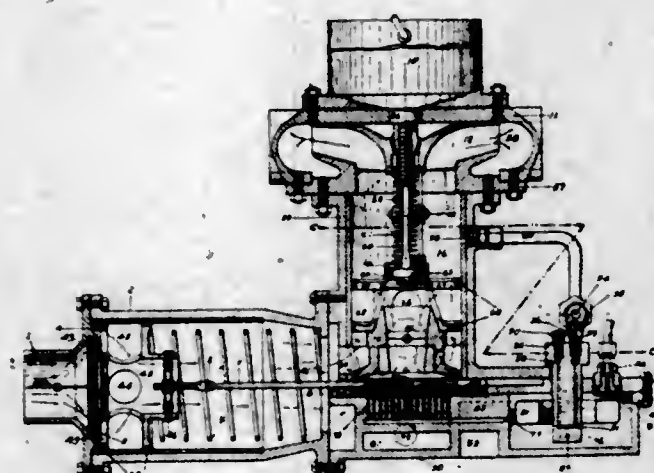
a bulb in the zone of heat, an expansive and contractible chamber, a conduit interconnecting the bulb and chamber, said thermostatic medium comprising a liquid product characterized by remaining stable over a range of from 0° F. to 800° F. and being noncorrosive to stainless steel, iron, copper or brass, said liquid product consisting essentially of a mixture of tetraphenoxysilane and a phenol silicate selected from the group consisting of $\text{Si}_n\text{O}_{n-1}(\text{C}_6\text{H}_5\text{O})_n$ and phenol silicates having a boiling range of 400° to 850° F. and falling within the general formula $\text{Si}_n\text{O}_{n-1}(\text{C}_6\text{H}_5\text{O})_{n+2}$ where "n" is greater than 1, the phenol silicate component comprising from 5 to 50% of said liquid product.

22,962

CARBURETOR

Olaf Oswald, Honolulu, Territory of Hawaii
Original No. 2,393,118, dated January 15, 1946, Serial No. 296,967, September 28, 1939. Application for reissue February 11, 1946, Serial No. 646,799½

32 Claims. (Cl. 123—119)



1. In a carburetor for an internal combustion engine comprising, in combination, fuel supply means, means for admitting total air supply, means for choking entrance to said air-supply-admitting means, means for automatically controlling and metering fuel discharge according to engine speeds, the last-named means being actuated and controlled by movement of an element within the second-named means due to pressure and energy of engine-suction-induced air or other gas impinging thereon and passing therethrough, automatic means utilizing exhaust gases for heating the primary air supply and the fuel supply ducts, means for admitting primary air supply and primary air-fuel mixture to carburetor mixing chamber, automatic means functioning in ratio with engine speed and adapted for so admitting and proportioning auxiliary air at atmospheric temperature as to maintain at substantially maximum weight and homogeneity a constant volume of combustible fuel mixture in mixing chamber, automatic means for further improving the homogeneity of the combustible mixture and compacting and thereby increasing the weight of the charge to the engine cylinders, said last-named means being adapted to function at a speed in multiple ratio with any given engine speed, operatively-connected idling fuel mixture supply means, and operatively-connected automatic means adapted for response to sudden throttle opening for supplying momentarily an air-fuel mixture for carburetion stabilization and acceleration purposes.

PLANT PATENTS

GRANTED JANUARY 6, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

774

ROSE PLANT

Charles Ketten, Luxemburg, Luxemburg; Marguerite Ketten, administratrix of said Charles Ketten, deceased, assignor to the Conard-Pyle Company, West Grove, Pa., a corporation of Pennsylvania

Application December 30, 1942, Serial No. 470,708

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the class of hybrid teas, characterized as to novelty by the color combination and size of its flowers, length of bud, strength of stems, and good vegetative habit, substantially as herein disclosed.

775

ROSE PLANT

Charles Mallerin, Varcès, France, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application November 4, 1942, Serial No. 464,557

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its vigorous, tall and open growth; the yellow color of its blossoms; the large size, symmetrical flowers unfolding perfectly to almost flat shape when fully open and comprising petals of large number; and the exceptional continuity of the blooms, substantially as shown and described.

776

VIBURNUM HYBRID PLANT

Albert Burkwood, Rotherfield, England, assignor to John J. Grulleman

Application November 29, 1946, Serial No. 712,821

1 Claim. (Cl. 47—60)

The new and distinct variety of viburnum hybrid plant herein shown and described and char-

777

ROSE PLANT

Walter E. Johnson, Reading, Mass.

Application December 19, 1946, Serial No. 717,205

1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant, substantially as herein shown and described, characterized particularly by its vigorous growth; study stems; distinctively shaped foliage; free-breaking habit which results in prolific flower production; and very fragrant, fine-textured flowers having distinctive form and coloring, the latter being predominantly Grenadine Pink.

778

ROSE PLANT

Nicholas Grillo, Milldale, Conn.

Application July 16, 1946, Serial No. 683,839

1 Claim. (Cl. 47—61)

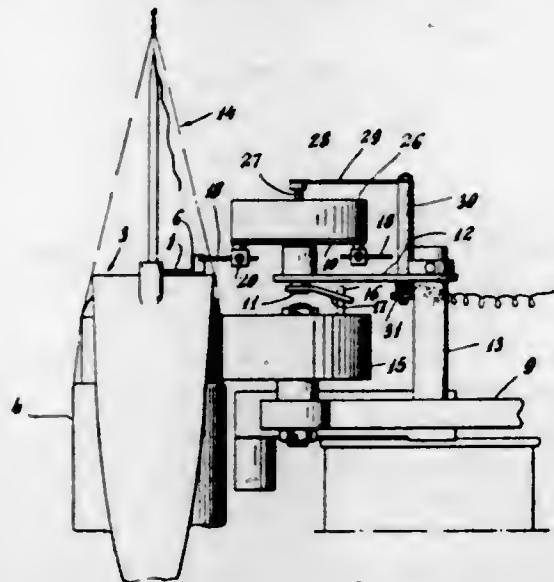
The new and distinct variety of hybrid tea rose plant, substantially as herein shown and described, characterized particularly by its free blooming habit and its large flowers of heavy substance, novel form, and distinctive dark red color with velvety sheen and brilliance.

PATENTS

GRANTED JANUARY 6, 1948

2,433,824 THREAD OPERATED STOP MOTION IN CIRCULAR LOOMS

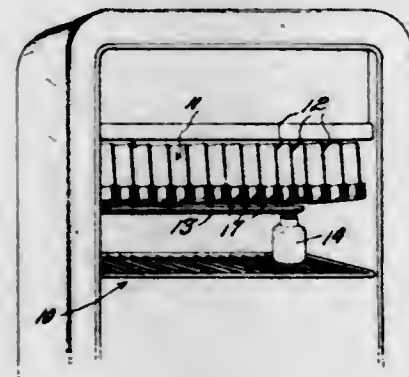
Victor Marie Joseph Ancet, Lyon, France, assignor to Marius Fayolle, alias Marcel Fayolle, Lyon, France
Application April 13, 1946, Serial No. 661,920
In France November 30, 1945
7 Claims. (Cl. 139-371)



1. In combination with a loom, the provision of means comprising a shuttle, shuttle driving means, a rotary member carried thereby for following the shuttle on the outside of the shed while rolling over same, at least one peripherally projecting sensing finger adapted to engage periodically the inside of the shed in front of the location of the shuttle, a movable member carried by the shuttle, means whereby the breaking of the weft thread produces a movement of said movable member into engagement with the sensing finger, means whereby said engagement with the movable member shifts the position of the sensing finger and loom stopping means adapted to be operated by this change in position of the sensing finger.

2,433,825 HEAT TRANSFER DEVICE WITH CAPILLARY CONDENSATE DRAIN

Alvin O. Brothers, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 1, 1944, Serial No. 543,088
13 Claims. (Cl. 62-103)

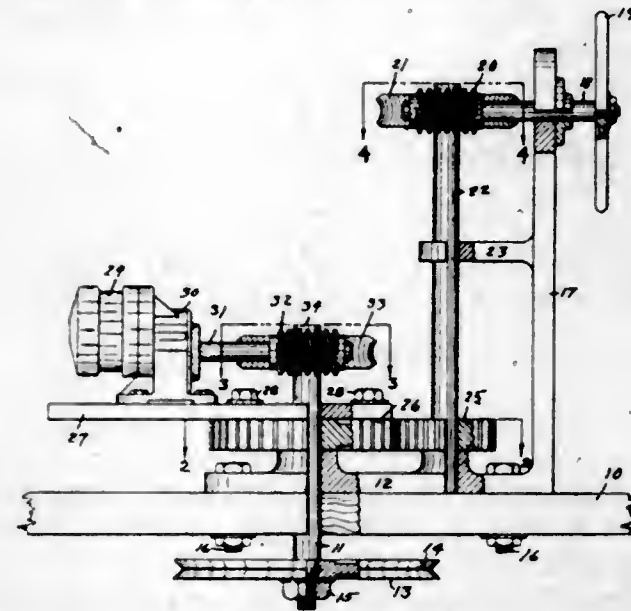


1. A self-draining heat transfer fin comprising a relatively flat member provided with capillary passages along the lower margins thereof for conveying condensed moisture therefrom.

68

2,433,826 HAND AND POWER OPERATED STEERING GEAR

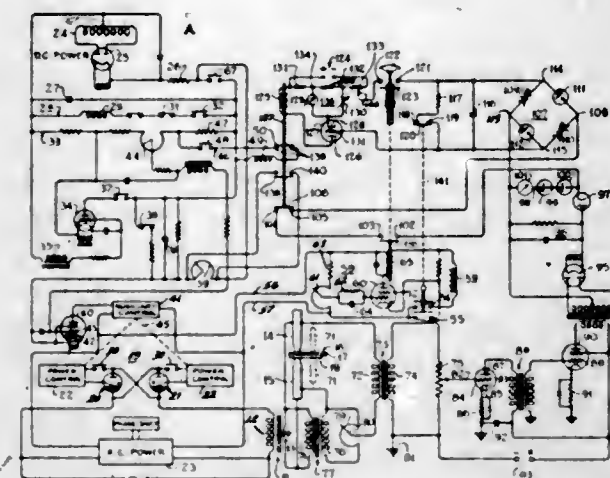
Franklin M. Brown, Portland, Oreg., assignor of one-half to Glenn Moore, Portland, Oreg.
Application June 23, 1945, Serial No. 601,165
5 Claims. (Cl. 74-407)



5. The combination of a base, a sheave for winding a steering cable mounted under said base, a vertical shaft journaling in said base and secured to said sheave, a spur gear revolvably mounted on said shaft, a motor mounted on said spur gear having irreversible worm wheel drive to said shaft, a manually operated steering wheel having an irreversible worm and wheel drive, a shaft driven therefrom having a pinion at the lower end of said shaft meshing with the spur gear in said first mentioned shaft whereby the revolution of said manually operated steering wheel will cause said motor to revolve in a horizontal plane, and whereby the operation of said motor will cause its shaft to rotate in a fixed plane.

2,433,827 WELD-CONTROL SYSTEM

Edwin M. Callender, Cynwyd, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1944, Serial No. 533,977
11 Claims. (Cl. 219-4)



1. In an electrical system, a load circuit, and combined lockout and indicating apparatus connected therewith, said apparatus comprising a reference circuit including voltage means connected to the load circuit for establishing an initial voltage level, a voltage change circuit con-

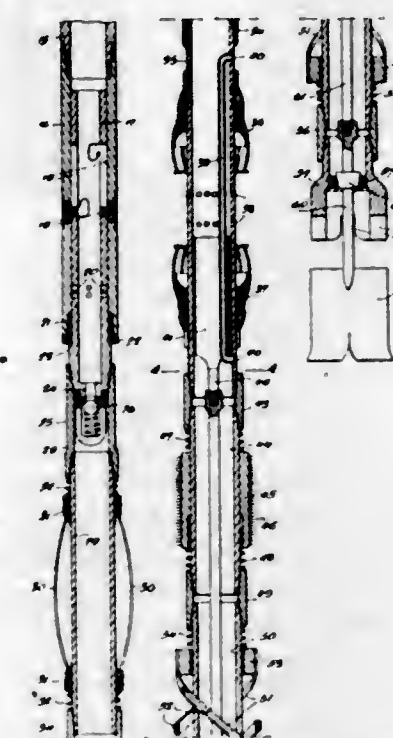
JANUARY 6, 1948

U. S. PATENT OFFICE

69

nected to the reference circuit, means for impressing on said voltage change circuit voltage changes parallel to load circuit changes, and power means connected to the voltage change circuit including mechanism for opening the load circuit and simultaneously setting up an indication of the degree of voltage change in said load circuit, said power means being made operative on change of voltage in said voltage change circuit.

2,433,828 PERFORATION CLEANER AND WASHER Lloyd H. Cassell, Los Angeles, Calif. Application September 22, 1941, Serial No. 411,873 10 Claims. (Cl. 166-20)

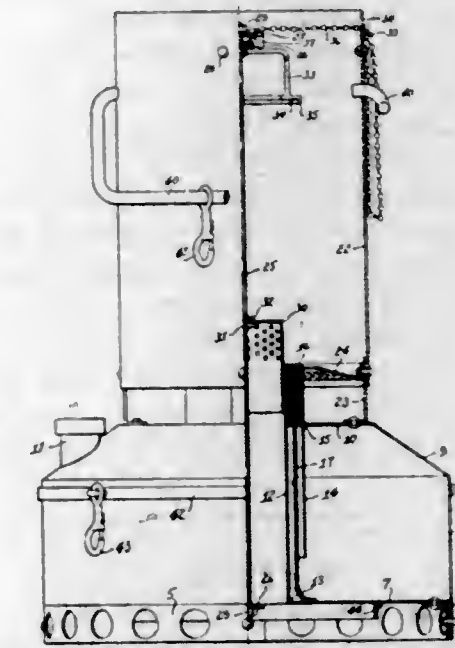


1. A perforation cleaning and washing tool for run into a well on fluid pressure supply tubing, said tool including means forming a tubular casing in communication at its upper end with the tubing, said casing having external packing members in vertically spaced relation and laterally opening circulation ports between said packing members, means forming upper and lower circulation ports in the casing above and below said packing members, upper and lower valves independently controlling said upper and lower circulation ports, means controllable by manipulation of the tool in a well for independently opening and closing each of said valves, and means forming a fluid by-pass through the casing having its upper and lower ends opening laterally through the wall of the casing respectively above and below said packing members and between the latter and the upper and lower circulation ports.

2,433,829 HEATING STOVE Raymond A. Doering, San Francisco, Calif. Application June 28, 1944, Serial No. 542,539 4 Claims. (Cl. 126-96)

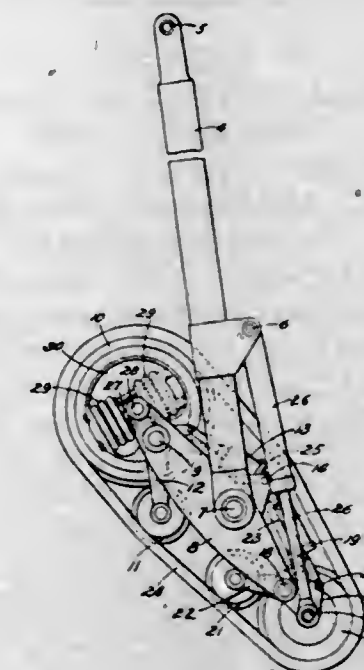
1. A heater adapted to burn liquid fuel comprising a fuel tank, spaced inner and outer wick holding tubes positioned vertically within said tank and extending above the top thereof, the inner wick tube extending through the bottom of said tank and forming a duct for the passage of air to the flame, a chimney rising above said tank and secured thereto, transverse bridge members positioned respectively across the lower end of the inner wick tube and the upper portion of said chimney, a vertical rod supported by said bridge members and positioned centrally within said in-

ner wick tube and said chimney, a flame spreader fitted within the upper end of said inner wick tube and rising above it, said flame spreader hav-



ing apertures for the passage of air to the flame, and means for supporting said flame spreader upon said rod.

2,433,830 ENDLESS TRACK LANDING ELEMENT AND MEANS FOR MOUNTING THE SAME ON AIRCRAFT George Herbert Dowty, Cheltenham, England Application November 25, 1944, Serial No. 565,116 In Great Britain November 23, 1943 Section 1, Public Law 690, August 8, 1946 Patent expires November 23, 1963 6 Claims. (Cl. 244-100)



1. In aircraft alighting gear, a frame arranged intermediate its ends for pivotal mounting upon and for tilting in the pitching sense relative to the aircraft structure, a roller pivotally and resiliently mounted upon the forward end of said frame, a second roller mounted adjacent the rear end of said frame for movement with and relative to the frame, an endless track band encircling said frame and guided by said rollers for running thereabout as a result of ground contact, and a resilient compression strut reacting between said rear roller and the frame's mounting, to resist ground-contact stresses and to bias the frame's rear end downwardly in trail when the aircraft is airborne.

2,433,831

AQUEOUS DISPERSIONS OF VULCANIZED FATTY OILS

Laslo Auer, South Orange, N. J.
No Drawing. Application December 4, 1942,
Serial No. 467,905

5 Claims. (Cl. 252—312)

2. An oil-in-water dispersion the dispersed phase of which incorporates a fatty oil having a water soluble soap thoroughly dispersed therein, the cation of said water soluble soap being a member of the class consisting of alkali metals, ammonium and organic amines, said fatty oil being a heat bodied oil which is in a fully vulcanized state, and said water soluble soap is produced in situ during the preparation of the heat bodied oil, by water soluble compounds containing cations which form water soluble soaps with fatty acids.

2,433,832

RESIN TREATMENT

Laslo Auer, South Orange, N. J.
No Drawing. Application January 25, 1943,
Serial No. 473,548

8 Claims. (Cl. 106—218)

1. The non volatile portion of a varnish consisting essentially of (I) a varnish oil and (II) a varnish resin selected from the class consisting of (a) polyhydric alcohol esters of rosin, (b) rosin-maleic-polyhydric alcohol resins, (c) rosin-phenol-formaldehyde resins, and (d) rosin-polyhydric alcohol-phenol-formaldehyde resins, which varnish resin is modified by subjecting said varnish resin to the action of from about 0.1% to about 10% of an aromatic di-primary amine and to the action of heat ranging between 100° C. and 350° C. for at least one hour, said percentage of the amine being based on the total quantity of the modified varnish resin in the non volatile portion of the varnish.

2,433,833

FLATTING AGENT AND PROCESS FOR MAKING SAME

Laslo Auer, South Orange, N. J.
No Drawing. Application November 24, 1944,
Serial No. 565,043

12 Claims. (Cl. 260—30)

1. A new composition of matter useful as a flattening agent which is substantially transparent in conventional lacquer and varnish films which comprises pigment size particles of a soap of a metal of a class consisting of aluminum, zinc, magnesium and the alkali earth metals, and a resin acid of the class consisting of natural rosin acids, acids of fossil resins and acids of rosin which has been modified by chemical reaction to increase its melting point while leaving its carboxyl group free to form soaps, coated with a water insoluble metal salt of carboxy-methylcellulose, said salt also being insoluble in organic varnish and lacquer solvents, said carboxy-methylcellulose forming water soluble sodium salts.

2,433,834

PROTECTIVE CLOTHING

Henry C. Bazett, Haverford, Pa., and Paul A. Siple, United States Army, Arlington, Va.
Application June 7, 1945, Serial No. 598,201

5 Claims. (Cl. 2—243)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A laminated garment for a body or body member, comprising in combination an inner ab-

sorbent layer to contact said body or body member, a second, water-impermeable and water-vapor-impermeable layer secured to said inner layer and spaced from said body or body member by said inner absorbent layer, said second layer being a vapor barrier to prevent evaporative chilling of said body or body member, a



third layer of thermally insulating material secured to said second layer, and a fourth layer of moisture impermeable material secured to said third layer and spaced from said second layer by said third layer, said fourth layer to prevent impairment of the thermal insulation material afforded by said second layer.

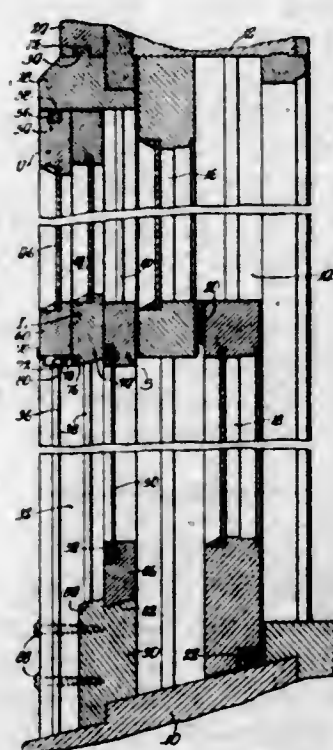
2,433,835

COMBINATION STORM SASH AND SCREEN

Forrest F. Bell, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa

Application May 2, 1944, Serial No. 533,751

13 Claims. (Cl. 160—91)



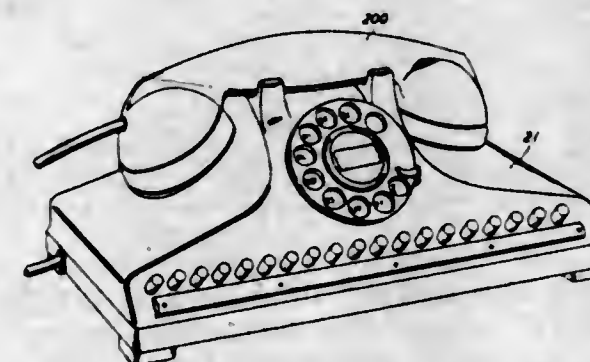
2. A combination storm sash and screen structure comprising an auxiliary frame for mounting in the usual storm sash opening of a window frame, said auxiliary frame comprising a head rail, a sill and a pair of stiles, means for guiding sashes for vertical sliding movement on said stiles, two of said sashes being glazed and the other one screened, means for locking one of said glazed sashes in raised position and the other one to it.

2,433,836

TELEPHONE CALL TRANSMITTER

Langford J. Bowne, Howard Beach, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 4, 1945, Serial No. 586,560
9 Claims. (Cl. 179—90)



5. In combination in a telephone system in which station selecting signals initiated at a calling station are characterized by a predetermined number of consecutively transmitted code impulses, a line, a telephone station thereon having a telephone, pairs of dry rectifiers corresponding in number to the predetermined number of code impulses which characterize a station selecting signal, first contact springs individual to each of said rectifiers normally maintaining each rectifier short-circuited on one side, second contact springs for each pair of rectifiers normally maintaining each pair of rectifiers short-circuited on the other side, key means, means controlled by said key means, when actuated, for operating said first contact springs in various combinations to remove the short circuits from corresponding individual rectifiers, a cam for each of said second contact springs, said cams being so relatively disposed on a common rotatable shaft that the cams function in sequence to successively operate their corresponding contact springs when said shaft is rotated, contacts for closing said line to said rectifiers, other camming means on the common shaft for closing said line closing contacts simultaneously with each successive operation of said second contact springs, means also controlled by said key means when actuated for preparing the common rotatable shaft for rotation, and means responsive to the removal of the handset of said telephone at said station for causing the common rotatable shaft to rotate and for connecting said line to said line closing contacts.

2,433,837

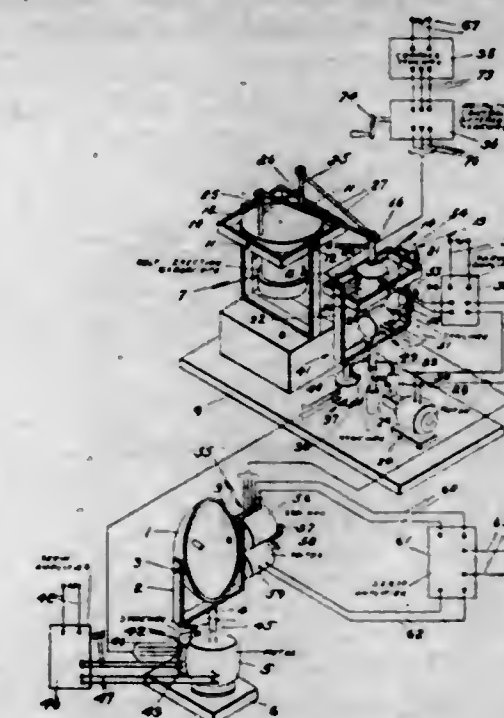
GYRO-CONTROLLED STABILIZING SYSTEM

John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application January 3, 1944, Serial No. 516,896
14 Claims. (Cl. 318—19)

14. In a position stabilizing system, a reference position determining device, a gimbal system, a common support for said position determining device and said gimbal system, and a signal generator including relatively rotatable, coaxial stator and rotor members, one of said members being supported in said gimbal system, and the other being linked to said position determining device and, by said link, fixed against rotation with respect to said device, whereby tilting of said support, in a plane other than mutually perpendicular planes which include the pivots of

said gimbal system and the axes of said stator and rotor members, results in relative rotation



between said stator and rotor members and the generation of a position correcting signal.

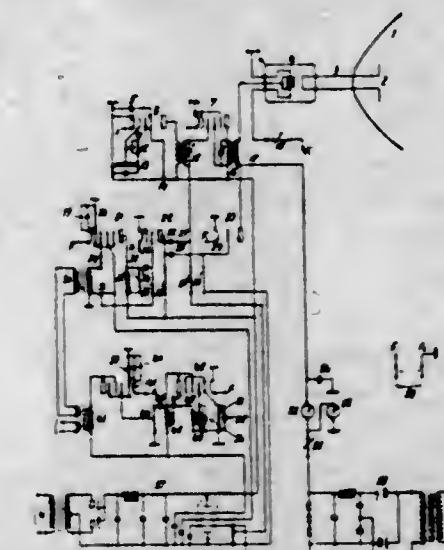
2,433,838

SYSTEM FOR OBJECT DETECTION AND DISTANCE MEASUREMENT

Maurice Elie, Henri Gutton, Jean Jacques Hugon, and Maurice Ponte, Paris, France; vested in the Attorney General of the United States
Application December 30, 1939, Serial No. 311,860

In France December 1, 1938

10 Claims. (Cl. 250—1.66)



10. A distance indicating system comprising means for radiating a field of energy, means for receiving energy reflected by objects in said field, means responsive to the received reflected energy for producing indications of the distance of each of said objects, and means for suppressing predetermined ones of said indications.

2,433,839

SHAFT SEAL

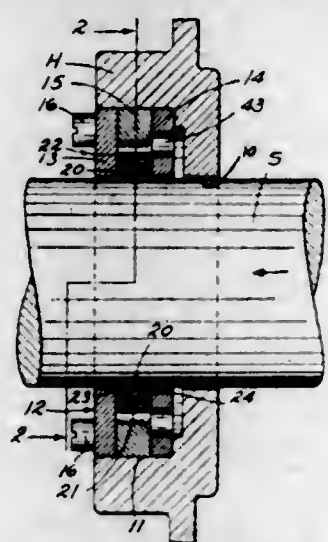
Frederick G. Ferguson, Shaker Heights, and Ralph C. Thompson, Cleveland Heights, Ohio, assignors to Simplex Products Corporation, Cleveland, Ohio, a corporation of Ohio

Application July 4, 1944, Serial No. 543,468

13 Claims. (Cl. 286—7)

1. A seal for preventing leakage of fluid between a rotating shaft and a housing having an opening through which the shaft extends, comprising a cage providing spaced annular opposed sealing surfaces, said cage being secured to the housing and surrounding the shaft, and a unitary, transversely split, axially resilient metallic

ring disposed within the cage, said ring being rotatable substantially with the shaft and in sealing engagement therewith, said ring having radial end surfaces making a running seal with

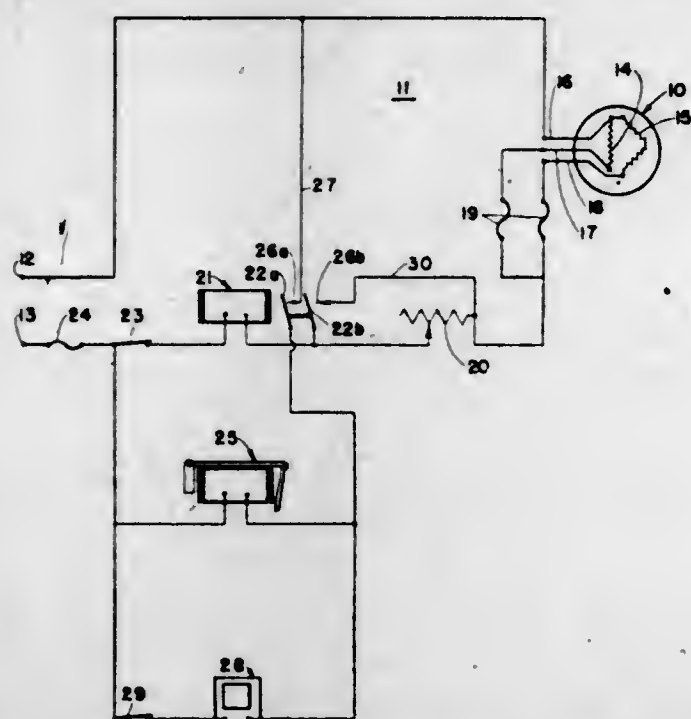


said annular surfaces of said cage, and means disposed within said cage and rotatable with said ring for urging said ring into sealing engagement with said shaft.

2,433,840

LAMP CIRCUIT AND CONTROL

Clarence B. Fowler, Washington, D. C.
Application February 14, 1946, Serial No. 647,640
6 Claims. (Cl. 313-320)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus comprising: a power source, a lighting circuit energized thereby including a plurality of lamp filaments in parallel and a variable resistor in series therewith, and automatic means responsive to change in current for shunting said resistor when the circuit of one of said filaments is opened.

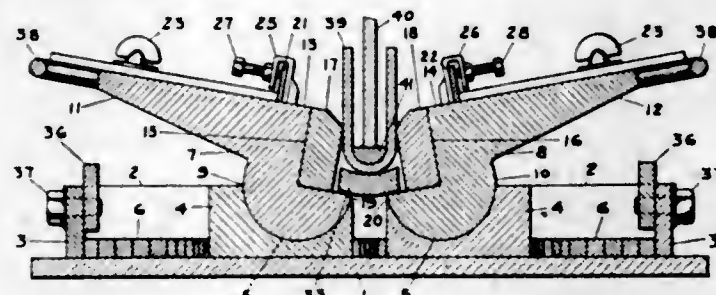
2,433,841

PIVOTED FORMING DIE FOR RECIPROCATING METAL PLATE BENDERS

William T. Glud, Bremerton, Wash.
Application April 20, 1945, Serial No. 589,446
2 Claims. (Cl. 153-33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A female die assembly comprising a support; a pair of parallel bearing blocks arranged for adjustment in any predetermined spaced relationship on said support; an elongated rocker arm pivotally mounted adjacent one end thereof

in each of said bearing blocks and having its other end disposed outwardly of said blocks; an inwardly disposed lip means carried by each rocker arm above its surface of pivotal engagement with its bearing block; a depth control plate supported between said lip means; and gauge means mounted on said support adjacent the outwardly disposed end of each of said arms for

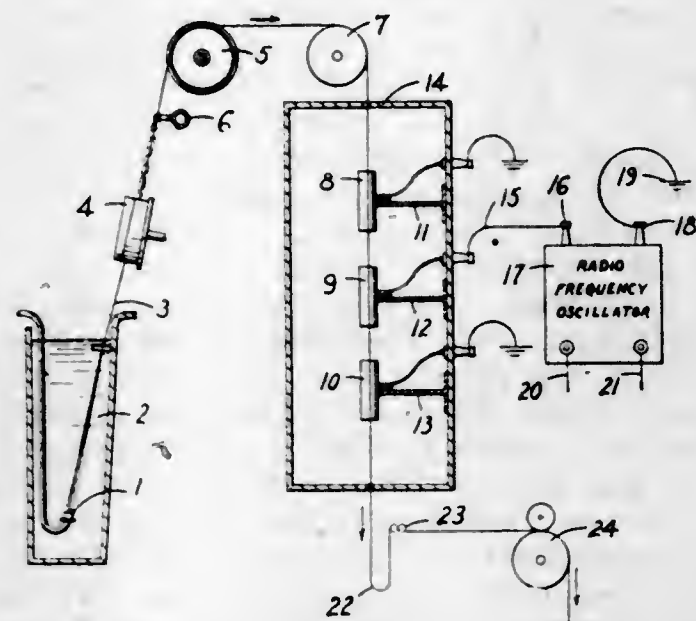


controlling the degree of outward pivotal movement of said arms; the adjacent, upper surfaces of said arms being disposed formatively to engage adjacent surfaces of a workpiece placed over the female die as the workpiece is initially pressed inwardly thereof, and said arms being arranged to rotate inwardly on said bearing blocks by the frictional engagement of the workpiece with the said arm surfaces.

2,433,842

METHOD OF DRYING RAYON THREAD BY HIGH-FREQUENCY ELECTRIC CURRENTS

Frank H. Griffin, Wawa, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 16, 1944, Serial No. 522,550
3 Claims. (Cl. 34-1)



1. In the art of manufacturing rayon thread, the step comprising subjecting running lengths of moist filamentary material to a high frequency electric current induced longitudinally thereof, under a uniform tension created only by the weight of the filamentary material to thereby permit substantially free and uniform shrinkage thereof during drying.

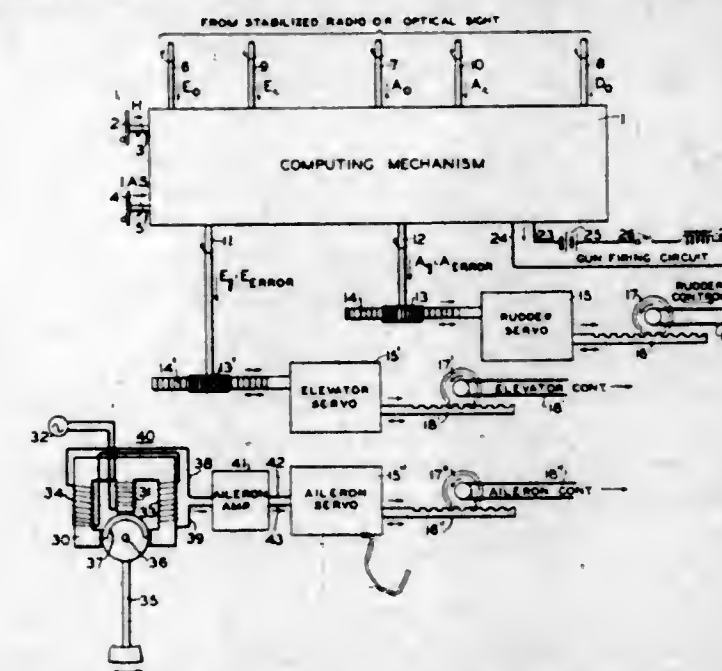
2,433,843

FIXED GUN INTERAIRCRAFT FIRE CONTROL SYSTEM

Edmund B. Hammond, Jr., Brooklyn, and Gifford E. White, Hempstead, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 17, 1942, Serial No. 462,440
28 Claims. (Cl. 89-37.5)

1. In an automatic fire control system for a gun supported in a fixed position on an aircraft,

target tracking means, a lead angle computing mechanism controlled thereby adapted to solve for the corrections to the orientation of the supporting aircraft necessary for effective gun fire,



and automatic pilot means controlled according to said computed corrections for positioning the aircraft to the proper orientation for effective gun fire.

2,433,844

ORGANIC FLUOROETHERS AND THEIR PREPARATION

William Edward Hanford, Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1943, Serial No. 484,299
8 Claims. (Cl. 260-338)

1. A mixture of organic polyfluoro-compounds having the general formula $H(CX_nCX_2)_nQ$ where one X is selected from the group consisting of hydrogen and halogen and the other three X's are halogen of which at least two are fluorine, n is a positive integer in the range from 1 to 7 for the component of the mixture most closely approximating the average, and HQ is an aliphatically saturated organic ether compound.

4. A process for the production of organic fluorine compounds which comprises reacting in the presence of a peroxygen catalyst a polyfluoroethylene containing at least three halogen atoms of which at least two are fluorine with an aliphatically saturated organic ether compound at a temperature above 50° C. and below 300° C.

2,433,845

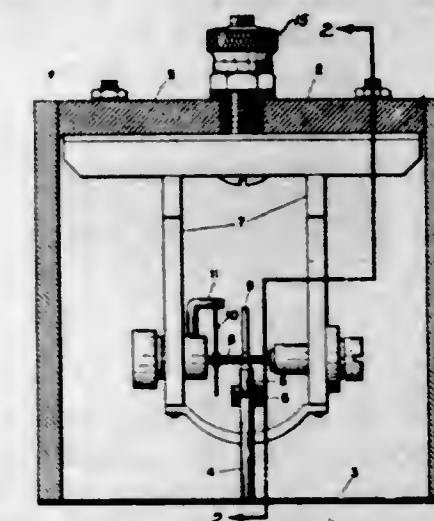
SOUND OPERATED RELAY SYSTEM

Harvey C. Hayes, Washington, D. C., and Horace M. Trent, Alexandria, Va.
Application November 28, 1941, Serial No. 420,852
4 Claims. (Cl. 175-320)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an impulse actuated relay system a normally-closed compressional-wave operated switch, said switch being closed in its unexcited state, a trigger circuit, a relay coil, a source of electrical current for energizing said coil, a high resistance path forming a part of said circuit, said path including said source, said switch and said coil, a cold cathode tube having an anode, grid and cathode, an alternate low resistance path including said source and said coil and being shunted around said switch through said tube, an R. C. time-constant circuit comprising a resistance and condenser connected in multiple across the anode and grid of said tube and in series in said high resist-

ance circuit whereby the condenser remains charged during closure of said high resistance circuit to apply a blocking bias to said tube as long as said switch remains closed, the condenser of said R. C. circuit being discharged to remove said blocking bias from said tube when said

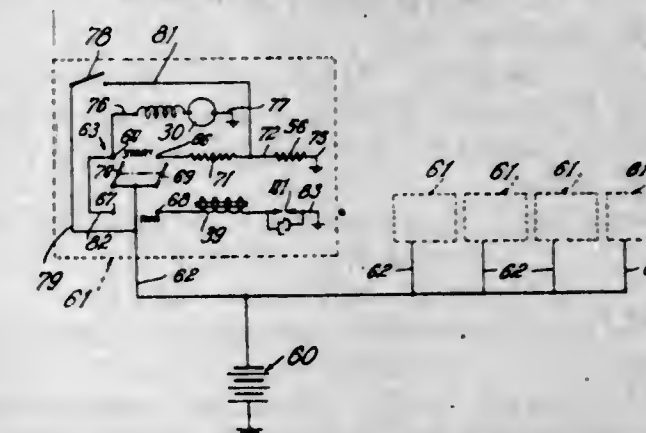


switch is opened by the reception of impulses thereby, whereby said tube will be rendered conducting and the energization of said coil will be raised to an operating level and means rendered operative by the flow of current through said alternate path momentarily to render said tube non-conducting after a predetermined period of time.

2,433,846

CONTROL SYSTEM

Harry B. Holthouse, Jr., Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application November 2, 1942, Serial No. 464,270
4 Claims. (Cl. 219-39)



1. In an electrically operated internal combustion heating system adapted for outdoor operation at low temperatures and having a battery as a sole source of electrical energy and wherein the voltage of said battery is reduced at low temperatures and is also variable within limits defined by the condition of the battery charge; a heating element for preheating fuel for said heating system and producing ignition thereof operated by said battery, a control system for the heating system having a "start" position wherein said heating element is operable to preheat the fuel prior to entrance into the combustion chamber and a "run" position wherein said heating element is operable to preheat the fuel prior to entrance into the combustion chamber and also to ignite the fuel in the combustion chamber, said control system comprising a main switch and an auxiliary switch, said main switch being arranged to select said "start" position or said "run" position and being adapted to apply only a portion of said battery voltage to said heating element, said auxiliary switch being arranged to apply the full battery voltage to said heating element to provide for operation of the heater when said portion of said battery voltage is inadequate to provide the heat required for satisfactory operation of said heating system.

2,433,847

SEALED INSULATION BLOCK

Arthur L. Jennings and Henry C. Brown, Jr., Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 9, 1941, Serial No. 406,098
7 Claims. (Cl. 117-81)



1. An insulation block composed of matted and entangled inorganic fibers presenting a porous and irregular exterior surface, said block having a normal heat insulating value, and a sealing coating adhering to said block closing the openings and extending over the irregularities in the surface without material penetration thereof into the interior of the block so as not to alter substantially its normal heat insulating value, said coating comprising the dried residue of an aqueous dispersion including a bituminous material and an argillaceous material, the bituminous material being present in said coating in an amount substantially greater than the amount of argillaceous material.

2,433,848

PROCEDURE FOR PREPARATION OF PROGESTERONE

Percy L. Julian, Maywood, John Wayne Cole, Chicago, Arthur Magnani, Wilmette, and Harold E. Conde, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 10, 1944, Serial No. 521,851
8 Claims. (Cl. 260-397.3)

1. The process which comprises the steps of first treating 3-hydroxy Δ^5 -ternorcholenyl diphenyl carbinol with bromine, ozonizing the brominated material, converting the 3-hydroxy group of the ozonization product to a keto group, treating the resulting 3-keto compound with a dehalogenating agent, all without isolation of intermediates, and recovering progesterone from the reaction mixture.

2,433,849

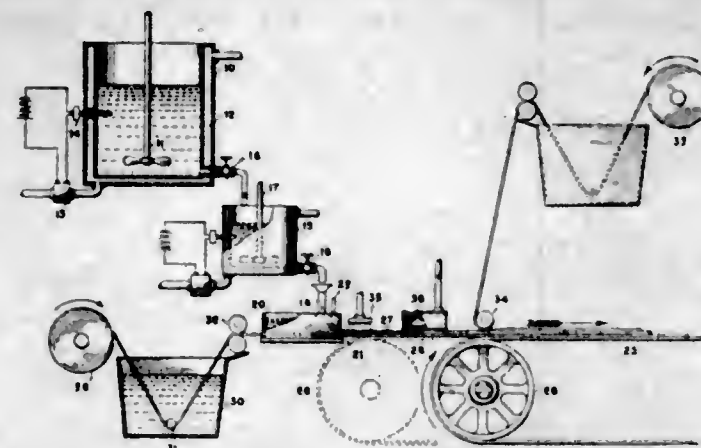
CORK SUBSTITUTE AND A PROCESS FOR ITS PRODUCTION

Elbert C. Lathrop and Samuel I. Aronovsky, Peoria, Ill., assignors to the United States of America, as represented by the Secretary of Agriculture
Application August 21, 1943, Serial No. 499,508
3 Claims. (Cl. 106-122)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of forming a cork substitute comprising dispersing gelatin in water at a temperature of about from 60° to 65° C. to produce a fluid medium, mixing paraffin, glycerine, glucose syrup, minute cell-containing particles of comminuted, pithy, natural cellulosic material, and saponin therewith, agitating the mixture to produce uniformity and entrap gas cells, adding Formalin, forming the mixture thus produced when it is partially set into a body of the desired shape in

which the particles of peanut shells and the entrapped gas cells are separated by relatively thick



elastic partitions of the material composing the body, and drying the body.

2,433,850

ICE-CREAM MIX

Abraham Leviton, Washington, D. C.; dedicated to the free use of the People in the territory of the United States

No Drawing. Application June 22, 1943, Serial No. 491,773

4 Claims. (Cl. 99-136)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A low butterfat ice cream mix having a lactose concentration of about 13 g. and a riboflavin concentration of about 4 mg. per 100 g. of water.

2,433,851

POUR POINT DEPRESSANT

Eugene Lieber, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 13, 1942, Serial No. 465,457

13 Claims. (Cl. 252-52)

1. The process which comprises subjecting to condensation 1 mol of an aldehyde selected from the class consisting of lower aldehydes having not more than 8 carbon atoms and having the general formula $RCHO$ where R is selected from the group consisting of alkyl hydrocarbon radicals and aryl hydrocarbon radicals in the presence of 0.1 to 1.0 mol of a Friedel-Crafts catalyst in inert solvent at a temperature of 50-300° F., and recovering from the reaction mixture a high molecular weight condensation product soluble in mineral oils and substantially non-volatile under reduced pressure up to 500° F.

2,433,852

CONDENSATION PRODUCT AND PREPARATION AND USE THEREOF

Eugene Lieber, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 23, 1942, Serial No. 469,895

14 Claims. (Cl. 252-52)

1. The process which comprises condensing about 5 to 20 moles of a lower saturated alkylene glycol having less than 10 carbon atoms and having at least as many carbon atoms as oxygen atoms, with 1 mole of a condensable aromatic hydrocarbon of 6 to 12 carbon atoms in the presence of about 200 parts by weight of aluminum chloride as catalyst per 100 parts by weight of poly-alcohol, and in the presence of about 1 to 10 volumes of an inert solvent per volume

2,433,855

WHEEL COVER

George Albert Lyon, Allenhurst, N. J.
Application May 12, 1945, Serial No. 593,472
10 Claims. (Cl. 301-37)



of total reactants, at a temperature between the approximate limits of room temperature and about 300° F., using a final reaction temperature of about 150 to 300° F., hydrolyzing and removing the catalyst and distilling the condensation products under reduced pressure up to about 600° F. to obtain the desired product as distillation residue.

5. Lubricant comprising a major proportion of a waxy mineral lubricating oil having dissolved therein a pour depressing amount of about 0.2% to 5% of a high molecular weight viscous to solid oil-soluble aluminum chloride condensation product of at least 5 mols of a lower saturated glycol selected from the class consisting of alkylene and polyalkylene glycols having less than 10 carbon atoms and having at least as many carbon atoms as oxygen atoms, with one mol of an aromatic hydrocarbon compound having not more than 3 rings and containing at least 2 replaceable hydrogen atoms on the nucleus, said condensation product being substantially non-volatile up to about 600° F. under reduced pressure.

2,433,853

SULFURIZED OILS

Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., assignors, by means assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 23, 1944, Serial No. 564,898

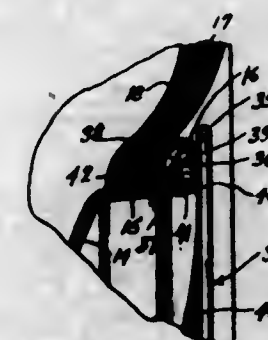
5 Claims. (Cl. 252-48.4)

1. A lubricant comprising in combination a major proportion of an oil of lubricating viscosity and a minor proportion, sufficient to increase the film strength of the oil, of a halogen-bearing sulfurized ester of a phenol and an unsaturated organic acid, said ester being sulfurized with a phosphorus.

2,433,854

WHEEL COVER

George Albert Lyon, Allenhurst, N. J.
Application August 20, 1943, Serial No. 499,321
5 Claims. (Cl. 301-37)

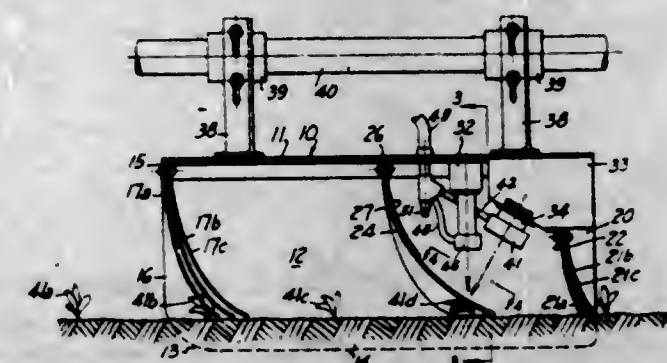


1. In a cover structure for a wheel including a multi-flange tire carrying rim part, a load bearing part, a circular cover for substantially covering outer exposed portions of the rim and body parts and having a turned outer margin and a cover retaining ring attached to an outer flange of the rim part including an axially inner portion nested in said flange and an axially outer portion in nested relationship with said turned outer margin of the cover, said cover being made of form-sustaining but resiliently deflectable plastic material reinforced at its outer margin by said retaining ring, the outer axially turned margin of said cover being elastically deflectable into nested relationship with said outer turned portion of the retaining ring.

2,433,856

APPARATUS FOR USE IN AGRICULTURAL MACHINES

Leo A. Marlihart, Monterey County, Calif.
Application February 3, 1945, Serial No. 575,992
13 Claims. (Cl. 97-15)



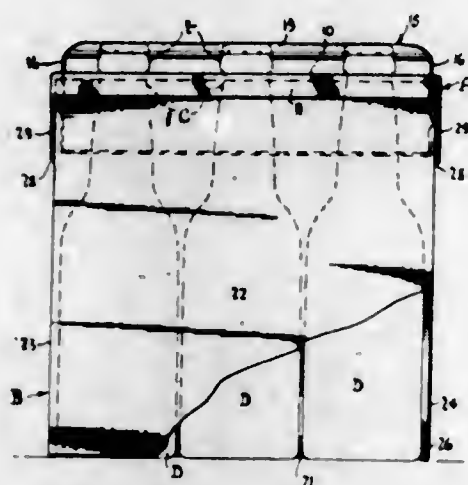
13. In apparatus for securing a light ray response from plants located in a row, a device adapted to travel along the ground over the row, light responsive means mounted to move with the device and directed to receive light from plants, a light source mounted for movement with the device and arranged to direct light towards plants passing beneath the device, and means carried by the device serving to engage and bend over plants passing beneath the same to cause the plants to present bent-over stem portions to light from said source and within the response zone of the light responsive means.

2,433,857

BOTTLE CARRIER

David W. Mattson, Minneapolis, Minn.
Application November 17, 1944, Serial No. 563,815
6 Claims. (Cl. 224-45)

1. The combination with a bottle carrier hav-

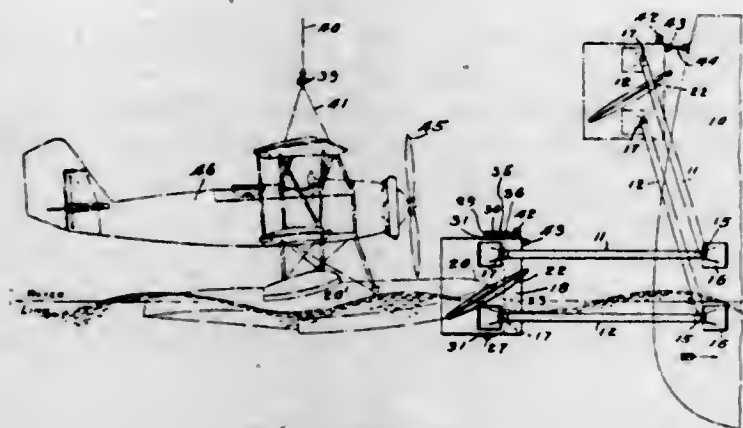


ing means for releasably engaging the upper ends of a group of bottles and holding them in supported depending relation for carrying, of an open topped box-like cover member adapted to surround the bottles beneath the carrier, and co-operating means on the carrier and cover member for releasably supporting the latter around the bottles while they are carried.

2,433,858

AIRPLANE HANDLING DEVICE

Lisle J. Maxson, United States Navy
Application May 18, 1932, Serial No. 612,128
6 Claims. (Cl. 114-43.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



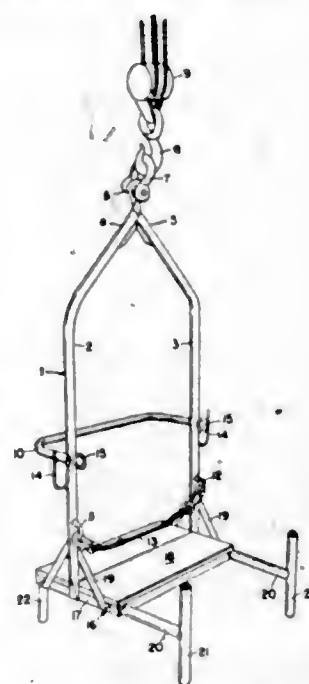
5. In a device for coupling a seaplane or boat to a vessel or dock, said seaplane or boat having a prow provided with a forwardly extending pin terminating in a head, a vertically swingable bumper on said vessel or dock shaped to provide a vertically elongate trough, said trough being provided with convergent vertical walls for guiding the pin into the bottom of the trough, means including horizontally spaced vertical gate-like jaws having spaced vertical edges extending along the bottom of the trough for automatically slipping over the head of the pin and thereby holding the pin against retraction from the open side of the trough, said pin being movable vertically between said edges, and means connecting the bumper to the vessel or dock whereby said convergent walls are held upright while being swung vertically.

2,433,859

BOATSWAIN'S CHAIR

J. Wesley McCormick, Vallejo, Calif.
Application March 7, 1946, Serial No. 652,744
6 Claims. (Cl. 304-15)

- (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a boatswain's chair adapted to support a worker adjacent a vertical surface, in combination, a frame comprising a pair of substantially parallel members having their upper ends brought together and provided with an eye, and a safety bar secured to both of said members and extending around the back of said worker, a snap ring mounted on each of said members and a safety line adapted to snap on to each of said snap rings and extend around the front of said worker, a platform disposed between said members and secured to said members adjacent their lower end, abutting elements mounted on said platform and adapted to engage said vertical surface to maintain said platform in spaced relation to said vertical surface, at least one leg mounted on said platform in opposed relation to said elements and cooperable with said elements to support said boatswain's chair in an upright position when said chair is lowered onto a horizontal surface, and a hook and a second snap ring mounted on each of said parallel members for supporting tools and other equipment required by said worker.

2,433,860

PLOTTING APPARATUS

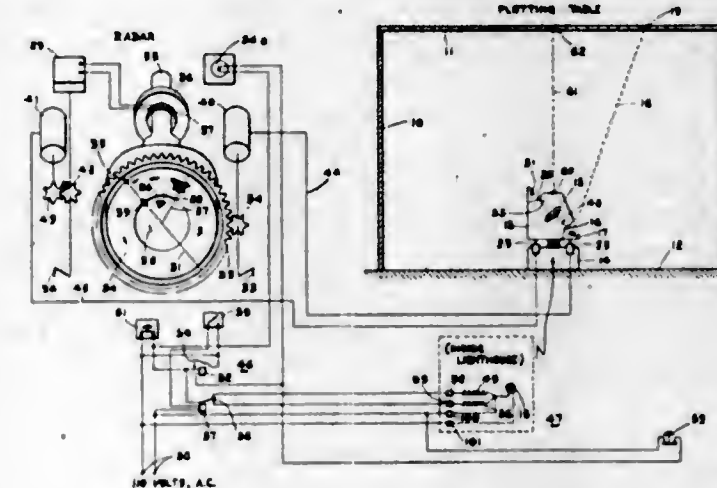
Henry W. McDowell, United States Navy,
Summit, N. J.

Application March 19, 1946, Serial No. 655,535
6 Claims. (Cl. 177-351)

- (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Polar plotting apparatus comprising a substantially plane, translucent member, a base spaced from the plane of said member, a screw mounted on said base and having its axis normal to said member, a housing rotatable on said base around the axis of said screw, a nut on said screw, a washer mounted on said nut and rotatable with respect thereto, a rack mounted on said washer and extending into said housing, a pinion mounted within said housing meshing with said rack, a mirror rotated in response to rotation of said pinion, a light source directing a beam of light toward said mirror, a shutter positioned across the beam of light from said source, a control relay effective when energized to withdraw said shutter from the beam, indicating means effective to

indicate position to be plotted, a rotatable azimuth cursor cooperative with said indicating means, means effective to rotate said housing in response to rotation of said cursor, a range marker cooperative with said indicating means, means effective to rotate said nut in response to oper-



ation of said range marker, a first switch effective when closed to energize said control relay, a holding relay energized thru said first switch and having a holding contact shunting said first switch, and a second switch, biased closed, in the circuit of said holding relay.

2,433,861

GREASE COMPOSITION

George M. McNulty and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1944,
Serial No. 570,776

9 Claims. (Cl. 252-40.7)

1. An anhydrous, high temperature reversible grease composition comprising a mineral lubricating oil and a soap consisting of the reaction product of a soap stock and a polyvalent metal hydrate heated to a temperature of 400° to 500° F.; and 0.1-5% of a chlorine-containing material selected from the group consisting of HCl and polyvalent metal halide, said chlorine-containing material being incorporated as a substantially water insoluble integral part of said soap and being effective to raise the reaction temperature of formation of said soap substantially above the reaction temperature of similar soaps free of said chlorine containing material.

2,433,862

DISPLAY CARD FILLING APPARATUS

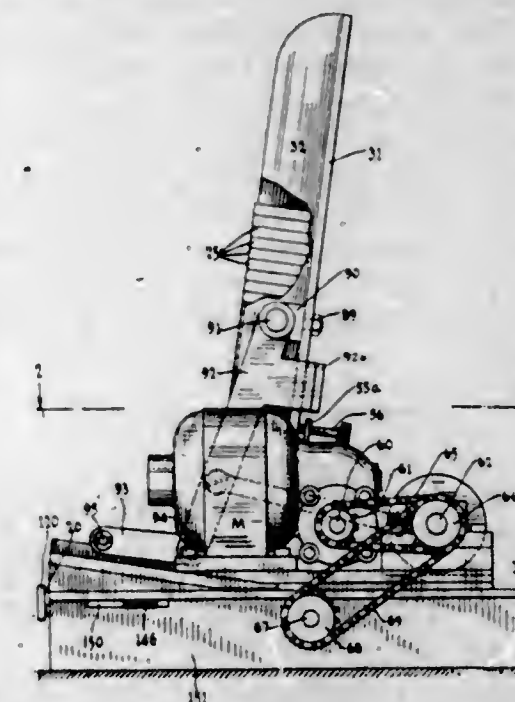
Ross Nadeau, East Orange, N. J.

Application April 19, 1943, Serial No. 483,671
10 Claims. (Cl. 93-1)

1. For use with a display card having a plurality of spaced tongue portions arranged one behind the other with their longitudinal axes in the same straight line and adapted to receive and hold packages or similar articles thereon, a display card filling apparatus of the class described comprising means for supporting a display card, means for supporting a stack of said packages to be mounted on said display card, means for advancing said display card so that it will be temporarily halted at each successive tongue portion and means for causing one of the said packages from said stack to be mounted on a tongue portion, the effective operation of said last named means being synchronized with those periods when the display card is at rest.

10. A method for mounting packages on a display card having cut out tongues arranged one behind the other with their longitudinal axes in

a straight line, comprising, first causing said display card to be laterally moved a predetermined distance of its length to a position where the first tongue is ready to receive a package, then holding said display card against movement, lifting said first tongue with respect to the plane of said display card while the latter is being held against movement, then mounting a package on said lifted first tongue, then again causing said display

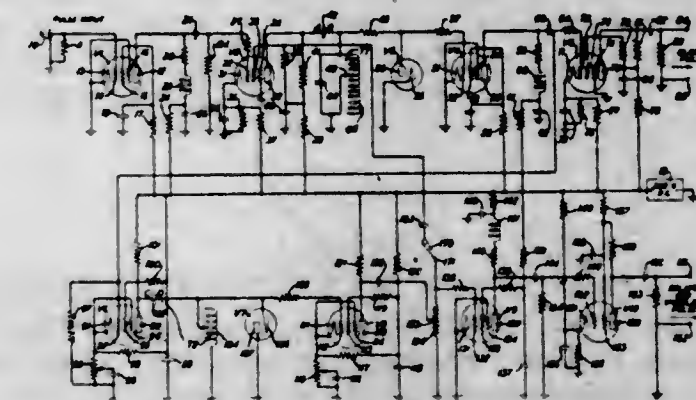


card to be moved forwardly from its last position for another predetermined distance of its length to a position where the second tongue is ready to receive a package, then holding said display card against movement, lifting said second tongue with respect to the plane of the display card while the latter is being held against movement, then mounting a second package on said second tongue while said display card is being held against movement.

2,433,863

PULSE GENERATION CIRCUIT

Bernard M. Oliver, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 13, 1943, Serial No. 486,780
12 Claims. (Cl. 250-27)



11. In combination, means for producing a first series of pulses, and means for forming a second series of pulses under control of the pulses in said first series each delayed by a definite amount from the corresponding pulse in the first series, said last-mentioned means comprising a first tuned circuit of inductance and capacity members, means for shock exciting said circuit under control of each of the pulses of said first series to quickly charge said capacity member and thereby set up an oscillation in said tuned circuit, means for damping said oscillation in approximately one fourth of an oscillation cycle and thereby forming in response to each pulse in said first series a negative voltage pulse across said condenser, means for clipping the lower portion

of each of said negative pulses and for inverting the phase thereof to form a series of positive square-topped pulses each starting substantially with the leading edge of a pulse in said first series and terminating after a period of time equal to said definite amount, said period being determined by the width of said pulse in the first series and the time constant of said tuned circuit, a second tuned circuit comprising inductance and capacity members, means under control of each of said positive square-topped pulses for starting oscillations at the time of occurrence of the leading and trailing edges thereof, means for damping substantially all of the oscillations at said leading edges and all of the oscillations at said trailing edges except for the first positive half cycle of each of them, and means for clipping each of said positive half cycles to produce a square-topped pulse forming one of the pulses of said second series.

2,433,864

PROCESS FOR RECOVERING POTASSIUM ACID TARTRATE FROM WINERY RESIDUES CONTAINING POTASSIUM ACID TARTRATE AND OTHER ORGANIC MATERIALS NOT IN SOLUTION

Ellis C. Pattee, Cincinnati, Ohio, assignor to National Distillers Products Corporation, a corporation of Virginia

Application January 18, 1945, Serial No. 573,444

4 Claims. (Cl. 260—527)

1. Process of recovering potassium acid tartrate from winery residues containing potassium acid tartrate in substantially aqueous solution and substantially undissolved organic matter which comprises subjecting such a residue, having a potassium acid tartrate concentration substantially saturate at a temperature of at least about 200° F., to agitation while cooling the same at a rate of at least 5° F. per hour through the range in which said potassium acid tartrate substantially separates from such saturate solution, to thereby obtain an aqueous mix containing suspended organic matter and centrifugally therefrom separable potassium acid tartrate, thereafter substantially continuously subjecting said mix to substantially selective centrifugal separation at a rate of input and centrifugal rotation coordinated to obtain separation of suspended solids equivalent to not exceeding about 16% of the dry weight of the tartrate present in said residue.

2,433,865

HIGH-FREQUENCY MULTIPLIER SYSTEM

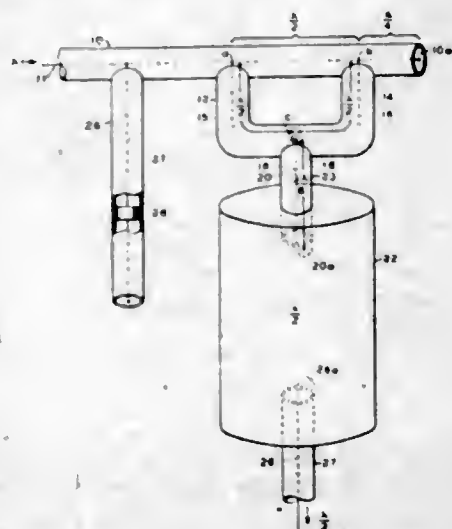
George E. Pihl, Boston, Mass., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application October 31, 1945, Serial No. 625,855

7 Claims. (Cl. 172—281)

7. A high frequency multiplier system comprising a transmission line structure having an input portion for receiving a source of high frequency alternating current whereby an electromagnetic wave is set up in the transmission line structure in response to said input current, at least two rectifiers having input circuits respectively coupled by means of coaxial tube sections to said line structure at longitudinally spaced places corresponding to points on said electromagnetic wave that differ in phase whereby at least two current pulses of different time phase are passed by the rectifiers during each cycle of the alternating current input to said line structure, the effective length of each of said coaxial tube sections cor-

responding approximately to an odd one-half wavelength of the fundamental wave of said alternating current input, a wave chamber which is resonant at a frequency that is a harmonic of the fundamental frequency of the alternating current input, coupling means comprising another coaxial tube section connecting the output circuits of the rectifiers with said resonant wave chamber and including means within the cham-



ber for exciting it by the unidirectional current pulses received from the rectifiers, the effective length of said last named coaxial tube section corresponding approximately to an odd one-eighth wave length of said fundamental wave, and an output circuit including pickup means in said resonant chamber responsive to the waves set up therein for producing a source of alternating current having a fundamental frequency corresponding to said harmonic selected by the resonant chamber.

2,433,866

METHOD OF MAKING FURFURYL ACRYLATE

Chessie E. Rehberg, Philadelphia, Pa., and Charles H. Fisher, Abington, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Application December 27, 1943,

Serial No. 515,798

2 Claims. (Cl. 260—345)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of preparing furfuryl acrylate which comprises heating methyl acrylate and furfuryl alcohol in the presence of a catalytic amount of aluminum tertiary-butoxide and a polymerization inhibitor.

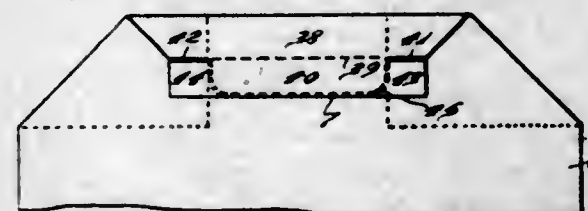
2,433,867

PAPER BAG

William A. Ringler, Wayne, Pa., assignor to Wolf Brothers, Philadelphia, Pa., a copartnership composed of Louis Wolf, Elias Wolf, Howard A. Wolf, and Walter L. Wolf

Application January 28, 1944, Serial No. 519,982

1 Claim. (Cl. 229—68)



A carry bag comprising front and back walls and being open at one end, a finger opening through the walls of the bag adjacent the open end thereof, locking tongues adapted to pass through the finger opening formed in the walls

of the bag by slitting from the open end of the bag and having free end portions, said tongues and free end portions being adapted to be passed through the finger opening in the walls of the bag, weakened lines in the walls of the bag and extending divergently downwardly to the sides of the bag from the lower corners of the free end portions of the locking tongues respectively and defining corner folds, weakened lines in the walls of the bag extending transversely between said divergent weakened lines intermediate the upper edge of the finger opening and the base of the locking tongues and weakened lines in the walls of the bag extending vertically from the open end of the bag to the points of intersection of said transversely extending lines and said divergently extending lines, said transversely extending lines and said divergently extending lines defining a closure flap fold.

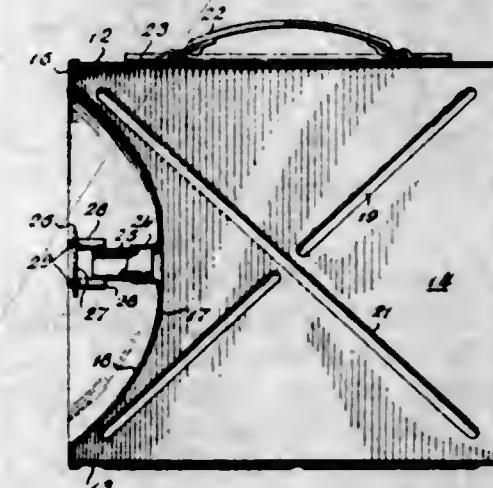
2,433,868

RADAR TEST APPARATUS

Samuel Sensiper, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application August 18, 1943, Serial No. 499,083

10 Claims. (Cl. 250—1.62)



1. A test device for ultra high frequency pulse utilization systems and the like comprising wall means defining and substantially enclosing a chamber adapted to contain an oscillating electromagnetic field, an electromagnetic wave energy directing reflector defining a focal region and comprising the external face of an inwardly dished portion of said wall means, said dished wall portion being provided with an aperture opening to said chamber, and electromagnetic wave energy directing means coupled to said chamber through said aperture, said electromagnetic wave energy directing means comprising an energy conduit extending outward substantially to the focal region of said reflector and an energy director fixedly positioned at said focal region and directed toward the reflector and coupled to said conduit in energy interchanging relation therewith.

2,433,869

PREPARATION OF CONTACT MASSES

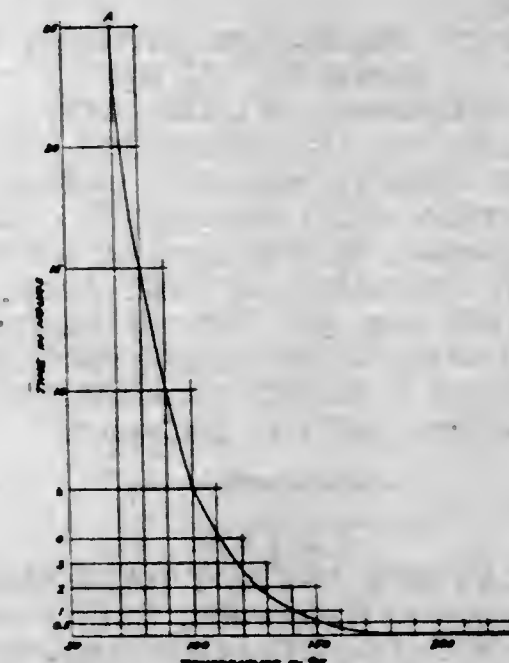
Hubert A. Shabaker, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application March 9, 1944, Serial No. 525,666

2 Claims. (Cl. 252—259.2)

1. The method of producing a catalyst in the form of hard, low-density pellets highly stable to deactivation by steam, which comprises preparing a plural inorganic hydrogel comprising a hydrous oxide of silica, said hydrogel containing al-

kali metal salts as an impurity, aging said hydrogel in freshly prepared state without intermediate treatment following its preparation and at a temperature of at least 70° F. and for a time of at least 5 minutes, the temperature and time being correlated to lie above and to the right of the line AB in the accompanying drawing, rapidly drying the aged hydrogel, pulverizing the thus



obtained dried gel, washing and treating the pulverized gel to remove alkali metal salts, filtering the washed gel then again drying the same, forming the dried gel into paste with the addition of water, casting the paste into pellets, drying and calcining the pellets.

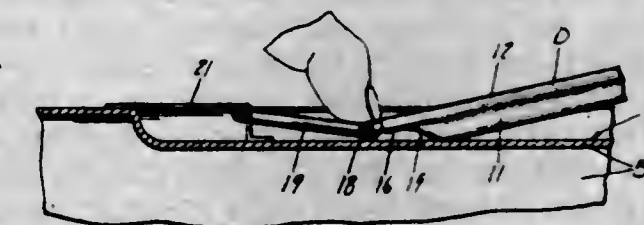
2,433,870

CONTAINER HANDLE

John E. Socke, Pelham Manor, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 29, 1943, Serial No. 516,073

4 Claims. (Cl. 16—115)



2. A collapsible carrying handle for containers and other articles, comprising a hand grip element including a substantially flat main central body portion adapted to lie closely against a surface of the container when the handle is not in use, said handle body portion having a relatively thin portion disposed in the plane of the top of said body portion adjacent each of its opposite ends spaced away from said surface when said central body portion is resting against the container surface, the opposite ends of said handle body portion having a loose sliding connection with said container surface to dispose the handle closely against said surface when in non-carrying position, whereby pressure applied to the outer thinned section at the end of the handle tilts the latter and elevates its opposite end clear of the said container surface, so that the handle may be grasped readily for bringing the same into container carrying position.

2,433,871

ELECTROLYTIC PRODUCTION OF HYDROGEN AND OXYGEN

Brian Porter Sutherland, Rossland, British Columbia, and Joshua Beaumont Thompson and Cecil Henry Simpkinson, Trail, British Columbia, and Darcy Drummond Morris, Calgary, Alberta, Canada, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a company of Canada

No Drawing. Application November 25, 1944, Serial No. 565,180

5 Claims. (Cl. 204-129)

1. A process for the production of hydrogen and oxygen which comprises electrolyzing an aqueous caustic alkali electrolyte containing a vanadium containing substance in solution within the range equivalent to from 3 mg. of vanadium to 10,000 mg. per litre of electrolyte, the quantity of vanadium containing substance in the electrolyte being sufficient to maintain a film containing vanadium on the cathodes.

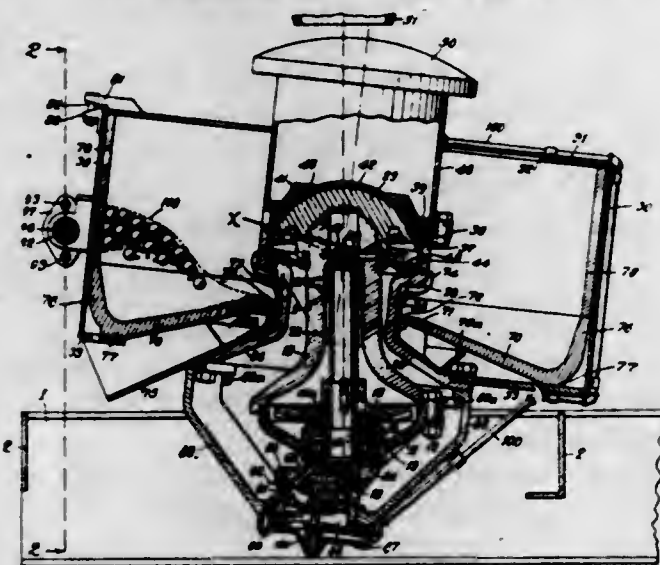
2,433,872

GYRATORY IMPACT BALL MILL

Loren G. Symons, Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application June 16, 1944, Serial No. 540,628

15 Claims. (Cl. 241-175)



5. In a grinding mill, an impacting bowl mounted on an inclined axis for gyration about a central point, said bowl having a bottom with a generally central discharge aperture, a plurality of movable impacting elements in said bowl, means for delivering the material to be ground to the interior of said bowl, and means for tilting and gyrating said bowl about said central point, through an excursion of sufficient vertical amplitude, speed and frequency to throw a substantial proportion of the mass of material to be ground together with its associated impacting elements, upwardly clear of the bottom of the bowl at each upward gyration of the bowl, said bowl being adapted to receive said mass of material when it drops, the mass of the bowl being substantially greater than the mass of the material which is simultaneously contacted at any one time by the bowl.

2,433,873

VENDING MACHINE

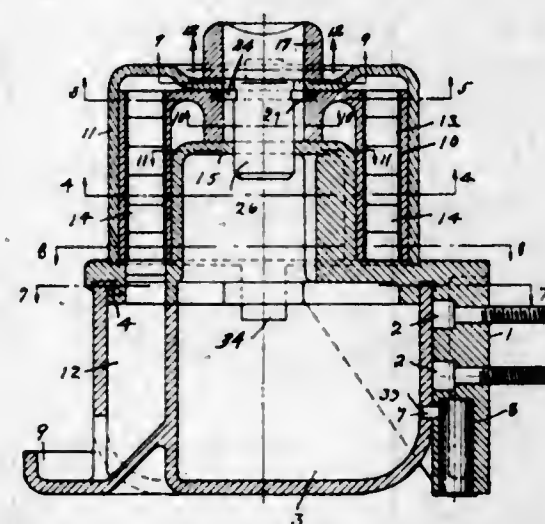
Chester W. Tawney, Salvatore J. Demarco, Jr., and Percy H. Herlick, Baltimore, Md.

Application October 1, 1941, Serial No. 413,196

7 Claims. (Cl. 194-85)

1. A vending machine comprising in combination a body with holes therein for the insertion of fastening means to hold it to a stationary sur-

face or wall, said body being enterable from underneath with a lateral hole passing from the side of its wall to the interior of the body, a coin box insertable into the body from underneath having flange means for engaging on the body for holding itself thereon and provided with an aperture adapted to align with the said lateral hole when in position, a keeper having a pin reciprocating therefrom through action of a spring and adapted to project through said hole and enter the aperture, so as to lock the coin box and body together at a position where the box covers the fastening means when holding the body to a surface, a magazine mounted above the body and encompassing the upper portion of the said body, and having a plurality of circular passages circularly arranged around the perpendicular axis of the body and coin box for holding articles to be dispensed from the machine, a knob slotted for a coin to be inserted therein and into adjacent por-



tions of the magazine and hold the magazine and knob together for rotation of same until the slot in the knob is brought into registry with a predetermined portion of the body and deposited in the coin box, the rotation of the magazine through to such registry bringing successively the passages of the same into position for dispensing, said box having a receiving cup mounted thereon adapted to register with the magazine ready to dispense an article from its passage aligned for dispensing, for catching the article and holding same for manual removal, a cover fastened to the body and covering the magazine and passages thereof, said body having a stepped floor surface for progressively advancing the articles and cause same in the passages to ride on and arrange for gradual lowering and moving forward of the articles at the bottom of the passage and a wedged shaped lip attached to the stepped floor to segregate and dispense one article at a time.

2,433,874

MACHINE-TOOL APPARATUS

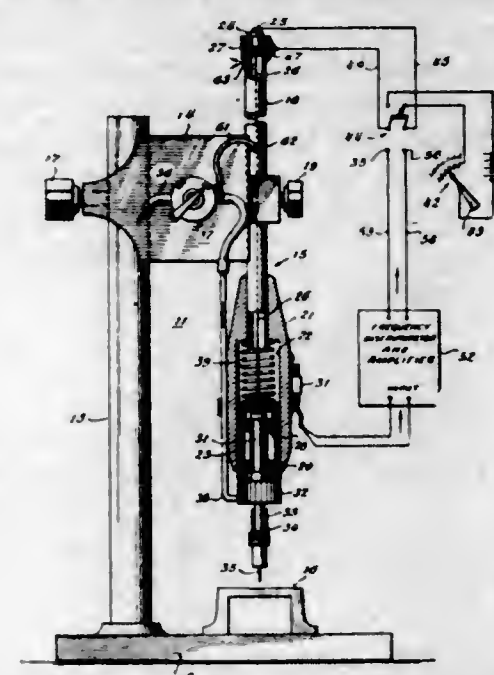
Sigurd F. Varian, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application December 14, 1944, Serial No. 568,091

11 Claims. (Cl. 77-32)

1. Machine tool apparatus comprising a rotary tool, means for rotating said tool about a predetermined axis of rotation, a thermally expansive feed-control member fixedly positioned at one point and connected at another point thereof to said rotary tool, said thermally expansive member being so arranged that the axial feed depth of said tool is dependent upon the dimensions of said member between said fixed point and said connection point, and means for varying the temperature of said member intermediate said

fixed point and said connection point during the rotation of said tool whereby the axial feed of



said rotary tool is varied accordingly during the machining operation.

2,433,875

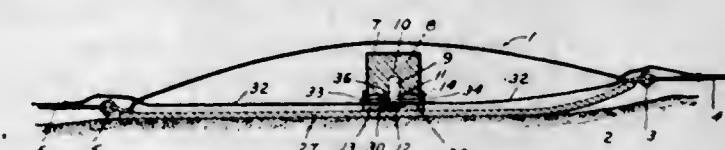
METHOD OF CLEARING MINE FIELDS

Brooks Walker, Piedmont, Calif., and Harold Marston Morse, Princeton, N. J.

Application November 16, 1944, Serial No. 563,742

2 Claims. (Cl. 102-22)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A device for clearing a path into a field of land mines by exploding the mines in said path, comprising a plurality of individual explosive charges, explosive means for elevating said charges to a predetermined substantial altitude above the ground, fuse means for exploding said charges, means for linking said charges together in substantially spaced relationship to form a flexible chain of charges, drawing means for disposing said chain of charges into said mine field, and means for actuating said elevating means and said fuse means from a single location whereby all said charges are exploded at substantially the same time.

2,433,876

MATERIALS RESISTANT TO POISONOUS GASES

Raoul Wechsberg, deceased, late of Amsterdam, Netherlands, by J. C. A. Büchner, administrator, Amsterdam, Netherlands; vested in the Attorney General of the United States

No Drawing. Application August 21, 1939, Serial No. 291,280. In the Netherlands August 27, 1938

4 Claims. (Cl. 117-161)

1. A material for use in the manufacture of mustard gas-protective garments and other coverings, comprising in combination with at least one flexible supporting sheet, a protective layer on at least one side of said sheet, which layer contains lead peroxide and a compound of hydrocarbons selected from a group consisting of poly-isobutylene, poly-isobutylene nitrile, and poly-ethylene chloride, the amount of lead peroxide being approximately 20% of the amount of hydrocarbon compound.

606 O. G.-6

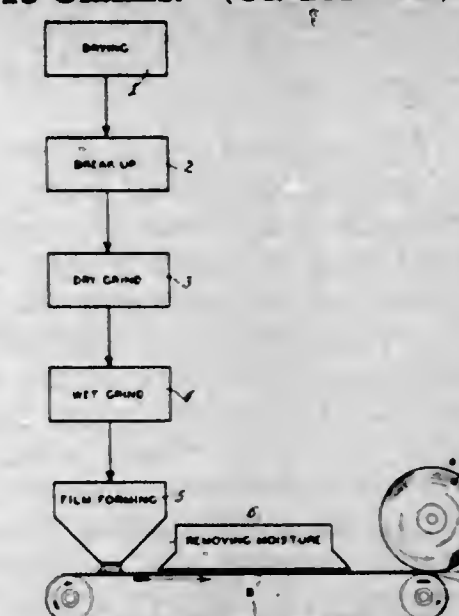
2,433,877

TOBACCO SHEETS AND FILAMENTS AND METHODS OF MAKING THEM

Franklin H. Wells, Ridgewood, and Frank J. Sowa, Cranford, N. J., assignors to International Cigar Machinery Company, a corporation of New Jersey

Application October 9, 1941, Serial No. 414,221

13 Claims. (Cl. 131-15)



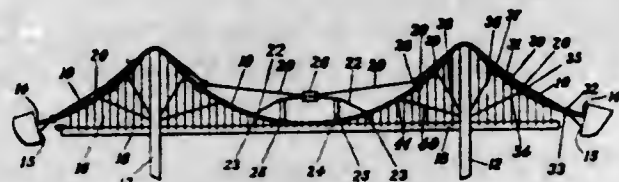
10. The method of forming flexible tobacco filament material which includes reducing a quantity of selected tobacco to a fine powder, further reducing said powder in an aqueous fluid to a dispersion containing colloidal tobacco particles, retaining in said dispersion substantially all of the soluble and insoluble constituents of said tobacco, forming said dispersion into relatively thin and narrow filaments, and drying said filaments by removing moisture therefrom while maintaining said soluble and insoluble constituents unchanged, said filaments being self-supporting and retaining the characteristic properties of taste, color and aroma of the original tobacco.

11. The method of forming tobacco sheet material which comprises grinding a mixture of selected tobacco leaves and stems so as to eliminate substantially all fibrous characteristics, and reducing a large portion of the material being ground to colloidal dispersible particles, forming a colloidal dispersion of said ground material in water, said dispersion retaining the desirable characteristic properties of the original tobacco including color and aroma, transforming said dispersion on an impermeable surface into a thin self-supporting film containing said particles, preventing the substantial removal of soluble and insoluble constituents of the original tobacco during the formation of said film, removing moisture from said film and maintaining and retaining in said film substantially all natural characteristics and properties of said tobacco including color, taste and aroma.

13. Tobacco film or sheet material comprising a flexible matrix of agglutinated colloidal tobacco particles containing substantially all of the original chemical constituents and properties of tobacco including characteristic color, taste and aroma, said constituents being in their original chemical form substantially unmodified by reaction with any alkali or acid reagents, and said constituents including sugar, starch, organic acids, nicotine and those mineral salts common to the original tobacco from which said film or sheet material is formed, said soluble and insoluble constituents being present in said tobacco sheet or film material in substantially the proportions and form in which they were present in said original tobacco, substantially unmodified by adding constituents foreign to said original tobacco.

2,433,878 STABILIZING HARNESS FOR SUSPENSION BRIDGES

Merl R. Wolfard, Cambridge, Mass.
Application February 6, 1945, Serial No. 576,394
20 Claims. (Cl. 14-19)



1. Means for controlling undulatory movements of a load-sustaining principal element which is anchored at its ends and hangs with sag to sustain dead load at many points between supports by tension stress existing at least in the lower portion of said element and which stress is transmitted as a tension force to the end anchorages, said principal element being subject to intermittent live loadings which tend to produce undulations of that element, said means comprising, in combination, a stabilizing harness having harness elements which are connected to that principal element from above the principal element and from below the principal element at points which are spaced apart along the principal element, each said harness connection being the controlling restraint at its particular point of the principal element; and that principal element, when it is static, being thereby at one said point deflected upward and at an adjacent said point deflected downward; there being a plurality of said harness-connected points in each end-half-portion of said principal element between said supports, and there being at least one said upward and one said downward deflection of the principal element at adjacent harness-connected points in each end-half-portion of the span between said supports.

2,433,879 MANUFACTURE OF AMINO ACID PREPARATIONS INTENDED FOR INTRAVENOUS SUPPLY OF NUTRIENTS

Karl Arvid Johannes Wretling, Stockholm, Sweden
No Drawing. Application April 1, 1944, Serial No. 529,200. In Sweden March 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 29, 1963
2 Claims. (Cl. 210-8.5)

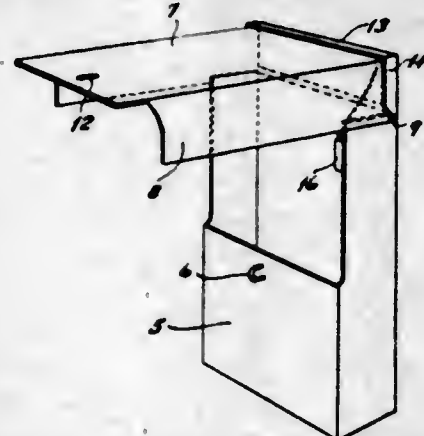
1. A method of purifying amino acid-polypeptide mixtures obtained from the enzymatic hydrolysis of natural proteins in order to render the amino acid mixtures suitable for the intravenous supply of nutrients to humans, comprising the step of subjecting an aqueous solution of an amino acid-polypeptide mixture obtained from the enzymatic hydrolysis of natural proteins to a dialysis through a semi-permeable membrane against distilled water while maintaining both liquid media at a temperature between 45° C. and 80° C.

2,433,880 MAILBOX

Sue M. Addington, Coral Gables, Fla.
Application November 2, 1946, Serial No. 707,444
1 Claim. (Cl. 232-36)

A mail box of the class described comprising a letter receiving portion, a switch secured to the receiving portion, said switch having a pair of terminals connected in an electric circuit, a re-

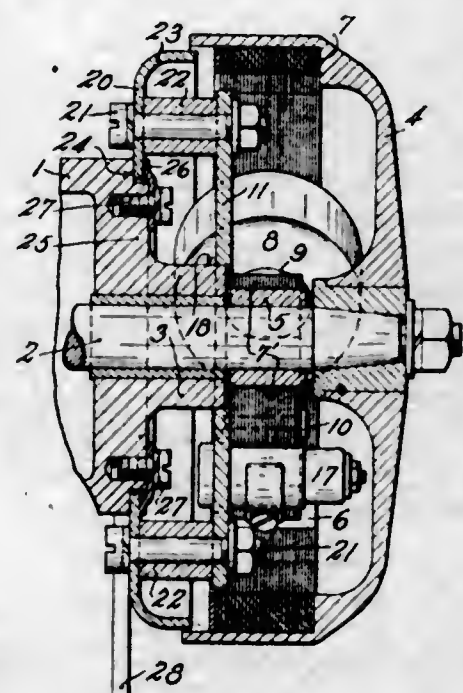
silent circuit closing arm carried on one terminal, a swingable flap pivotally connected to the letter receiving portion, a top cover hingedly connected to the top of the flap, said cover being raised and lowered independently of the flap and said cover being engaged by the flap for raising the cover when the flap is raised, and a



chain connecting the free end of the circuit closing arm to the top cover and passing freely through the top of the flap whereby to close the circuit by the raising of the cover, said chain including a yieldable element interposed therein to prevent interference with the raising of the flap or cover after movement of the arm into circuit closing position.

2,433,881 STATOR MOUNTING FOR FLYWHEEL MAGNETOS

Albert I. Alstrom, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application August 11, 1944, Serial No. 549,101
4 Claims. (Cl. 123-149)

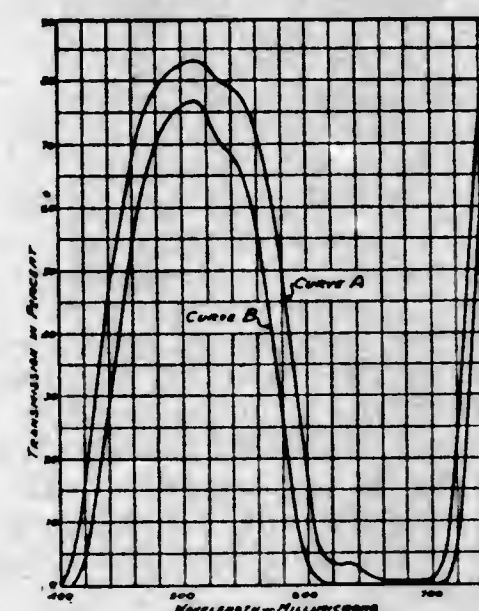


3. The combination with an internal combustion engine and its crankshaft and crankcase, the latter having an outer end wall and a hub projecting outwardly from the end wall and providing a bearing for the crankshaft, said hub having at least a portion of its exterior periphery located in true coaxial relation with the crankshaft, said end wall having a surface surrounding the hub and located in true normal relation with the axis of the crankshaft, of a magneto rotor fixed to the crankshaft and including pole shoes, a magneto stator including pole pieces to cooperate with said pole shoes during rotation of the rotor, a plate supporting said stator and having a pilot bearing directly on said portion of the external periphery of the hub to locate the stator pole pieces coaxially of the rotor pole shoes, an adapter plate spaced rearwardly from the stator

plate and engaging said surface, spacer sleeves between said plates, bolts passing through said plates and sleeves to fix the plates together in proper axially-spaced relation, and means attached to said wall at points radially spaced from said axis by a distance substantially greater than the radius of the exterior periphery of said hub for holding the adapter plate against said surface and enabling it to move about said axis throughout a wide range.

2,433,882 COLORED GLASS

William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application June 24, 1946, Serial No. 678,767
8 Claims. (Cl. 106-54)



1. A colored glass which consists essentially of silica, boric oxide, alkali metal oxide, not less than 10% Al_2O_3 , not more than about 2% Co_2O_3 and .02% to .5% Fe_2O_3 and which contains by analysis at least .5% of a halogen having an atomic weight between 35 and 127, the ratio of alumina to alkali metal oxides being greater than one.

2,433,883 OPHTHALMIC GLASS

William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application August 19, 1946, Serial No. 691,663
10 Claims. (Cl. 106-54)

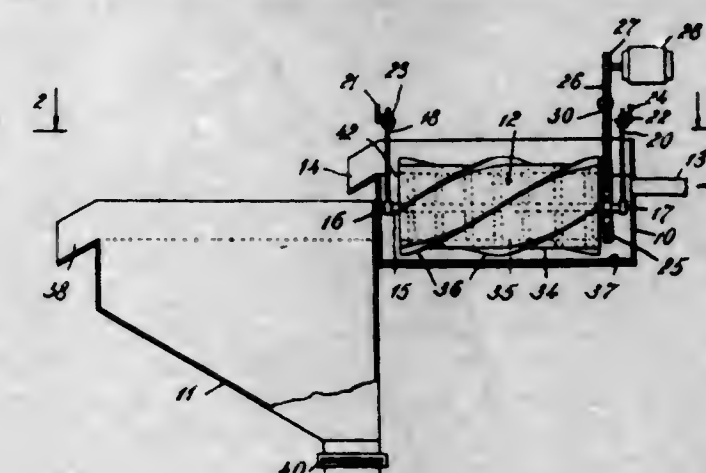
1. An ophthalmic glass which comprises 33% to 60% SiO_2 , 1% to 7% B_2O_3 , 4% to 15% ZrO_2 , 0% to 25% BaO , 3% to 15% ZnO , .5% to 5% Li_2O , 1% to 15% Na_2O , the softening point being below 700° C., the refractive index (n_D) being between 1.57 and 1.70 and the thermal expansion coefficient being between 83×10^{-7} and 95×10^{-7} cm. per cm. per degree C. between 0° and 300° C.

2,433,884 SEWAGE TREATING APPARATUS COMPRISING A RECEPTACLE HAVING A ROTATABLE SUPPORT PARTIALLY SUBMERGED IN LIQUID THEREIN AND HAVING A MATRIX OF OXIDIZING BACTERIA THEREON

John G. Bevan, New York, N. Y., assignor to Guggenheim Brothers, New York, N. Y., a copartnership
Application August 22, 1944, Serial No. 550,554
12 Claims. (Cl. 210-8)

1. Apparatus for use in the purification of sewage comprising a receptacle for the retention of

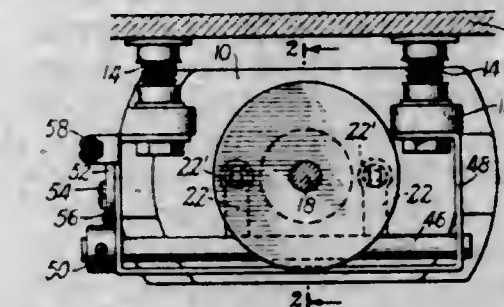
sewage to be purified, an inlet for introducing sewage to be purified into said receptacle to form a body of liquid sewage therein, an outlet for withdrawing treated sewage from said receptacle spaced from said inlet to provide for a horizontal flow of sewage through said receptacle, a support having a rough surface and capable of supporting a matrix of oxidizing bacteria rotatably mounted within said receptacle in such position as to be partially submerged in sewage contained therein with its axis of rotation extending in the direction of flow of sewage through the receptacle,



a matrix consisting essentially of oxidizing bacteria disposed on said support, and means for rotating said support at such a rate as to provide for the establishment and maintenance thereon of the matrix of oxidizing bacteria and to alternately immerse in the sewage and expose to the atmosphere above the sewage the matrix of oxidizing bacteria to alternately provide food and oxygen to promote the growth and propagation of the bacteria and effect the removal of dissolved putrescible matter and the production of a settleable sludge containing suspended putrescible matter originally present in the sewage.

2,433,885 SPRINGLESS GOVERNOR

Charles L. Bossmeyer, Stratford, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application September 21, 1945, Serial No. 617,787
4 Claims. (Cl. 188-187)



1. In a governor mechanism, in combination with a driven shaft, centrifugal means operable by rotation of the shaft to effect a thrust axially thereof comprising a body member mounted in fixed position upon said shaft to rotate therewith and a plurality of weights disposed about said shaft in balanced relation and pivotally mounted upon said body to swing by centrifugal action about axes respectively normal to said shaft axis and mutually coinciding at a point in said shaft axis, a plate independently mounted without connection with said weights rotatable about said shaft and movable axially along said shaft, a friction facing upon one side of said plate adapted to coact with contact surfaces upon said weights when the latter are acted upon centrifugally by rotation of said shaft to effect simultaneously rotation and axial movement of said plate, a fixed brake member adjustable axially toward and

away from said plate, and friction braking means interposed between said brake member and said plate to retard rotation of said plate according to the axial thrust effort imparted to said plate by said centrifugal means.

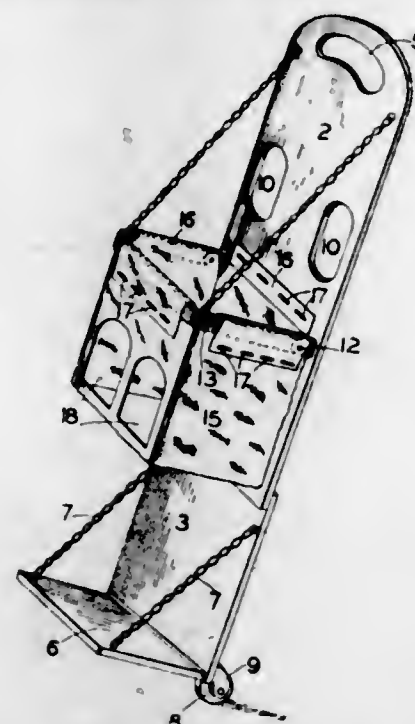
2,433,886

FOLDING VEHICLE

Emil R. Bremer, Alameda, Calif.

Application February 26, 1946, Serial No. 650,330

2 Claims. (Cl. 280-36)



1. A foldable vehicle consisting of a sectional back member, the parts of which are hinged to permit them to fold against each other, a hand grasp for said back member, swiveled wheels secured to the bottom of said back member, a transversely disposed platform hinged to the lower front of said back member to fold against same, foldable supports connecting the front of the platform to the back member, a yoke hinged to the front side of the back member to fold against same, foldable supports connecting the front of the yoke to the back member, and a flexible container suspended from said yoke removably.

2,433,887

IGNITION APPARATUS

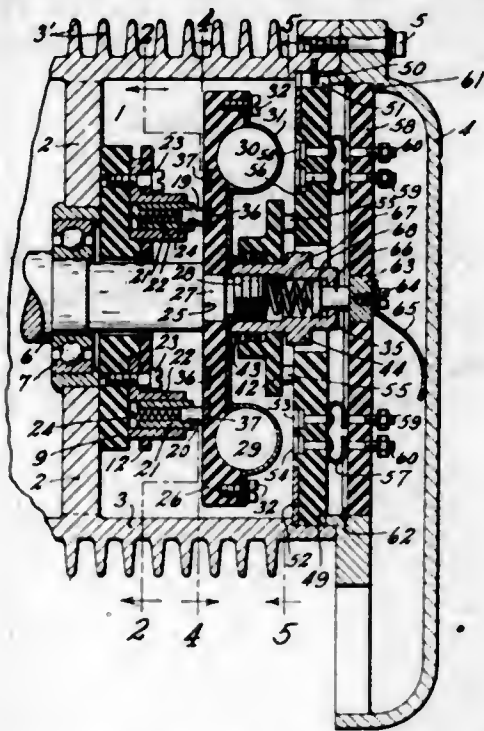
Allen L. Brownlee, West Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts

Application May 3, 1946, Serial No. 666,921

6 Claims. (Cl. 320-1)

1. In a dual ignition system, a rotatable distributor member, two capacitors carried by said member, a first and a second pair of relatively-rotatable charging-current-conducting elements one pair for each capacitor, each such pair including a ring located coaxially with respect to the axis of rotation of said member and a brush riding on the ring, each rotatable element being carried by said member, a connection between each rotatable element and one terminal of its capacitor, the stationary elements adapted for connection one to one side of one source of charging current and the other to one side of another source of charging current, a third pair of contacting and relatively-rotatable elements located axially of said member, the stationary element of the third pair adapted to be connected to the other side of both said sources, the rotatable element of the third pair being carried by said member and connected to the other terminal of both capacitors, a pair of electrodes carried by said member and located at different radial distances

from said axis and connected one to the first-named terminal of one capacitor and the other to the first-named terminal of the other capacitor, and two series of stationary electrodes, one series for each of the first-named electrodes, the electrodes of each series being radially spaced so as to be successively engaged by its first-named



electrode during rotation of said member, each stationary electrode adapted for connection to one terminal of the primary winding of a spark plug transformer, the other terminal of said winding adapted to be connected to said stationary element of said third pair, whereby said third pair of elements carry the discharge current from both capacitors.

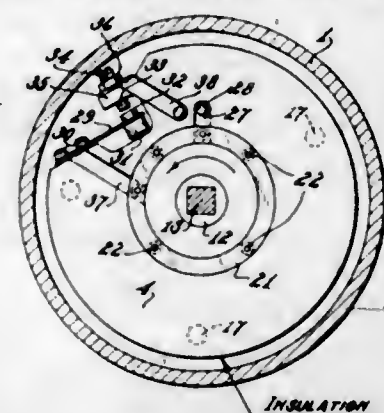
2,433,888

DISTRIBUTOR

Allen L. Brownlee, West Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts

Application May 3, 1946, Serial No. 666,922

3 Claims. (Cl. 200-25)



1. A rotor for a distributor, having two contacts set one in advance of the other in the direction of rotation of the rotor and a conductor to which current is adapted to be supplied, circuit connections between said conductor and each contact, and a speed-responsive switch in the circuit connections to the leading contact, said switch operable to close only after the rotor has acquired a predetermined speed.

2,433,889

MASTER TOOLING DOCK

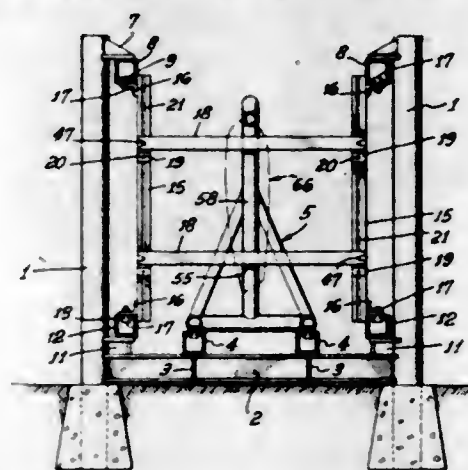
Leland A. Bryant, Beverly Hills, Calif., assignor of one-half to John F. Sullivan, Los Angeles, Calif.

Application April 26, 1943, Serial No. 484,640

7 Claims. (Cl. 33-174)

5. In a jig making apparatus, a tooling frame comprising: a rigid structure; horizontally dis-

posed straight edges fixedly mounted on said structures, said straight edges being parallel to each other; vertically disposed adjustable straight edges mounted on said fixed straight edges; and a transverse horizontally disposed straight edge adjustably mounted on said vertically disposed adjustable straight edges, said straight edges having equally spaced holes therein; templates hav-



ing spaced holes corresponding to the holes in the straight edges in one margin thereof and in the other margin holes spaced at distances peculiar to the dimensions of the product for which coordinated assembly fixtures are to be made and means engageable with the corresponding holes in the templates and straight edges for locating the templates in proper position on the straight edges.

2,433,890

PRODUCTION OF ACETALS

Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 16, 1946,

Serial No. 641,655

3 Claims. (Cl. 260-615)

1. The process for the production of a haloacetal which comprises passing a halogen taken from the group consisting of chlorine and bromine into a solution of vinyl alkyl ether, containing less than 5 carbon atoms in the alkyl group, in a monohydroxy, primary aliphatic alcohol containing not to exceed 5 carbon atoms.

2,433,891

PREPARING MAGNESIUM OXIDE-CONTAINING MATERIAL FOR REDUCTION PURPOSES

Neil R. Collins and William W. Mower, Los Altos, and Howard Church, Campbell, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation, a corporation of Delaware

No Drawing. Application December 16, 1942,

Serial No. 469,226

6 Claims. (Cl. 75-67)

1. The method of preparing magnesium oxide-containing material for the treatment with a predetermined quantity of solid reducing agent, which method comprises introducing and uniformly dispersing the solid reducing agent in a brine containing convertible magnesium salts, the amount of reducing agent being at the least sufficient stoichiometrically to satisfy the present magnesium salts considered as magnesium oxide, and contacting the brine under treatment with a reagent capable of precipitating magnesium hydroxide therefrom, and thereby causing the precipitate being formed to carry down a proportional amount of the reducing agent; and thereafter removing the mixture of solids from the mother liquor and conditioning said mixture for a subsequent treatment at reduction temperature.

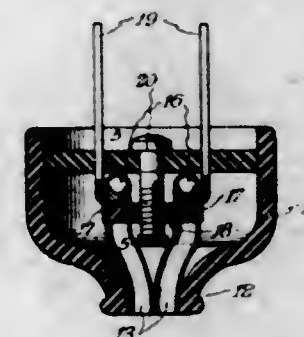
2,433,892

ELECTRICAL CONNECTION

Nat Cordis, Bassett, Wis.

Application November 19, 1945, Serial No. 629,563

2 Claims. (Cl. 173-324)



1. An electrical connection comprising a casing; tubular conduits of insulating material in hook form arranged in said casing to receive the conductors of an electric circuit; there being openings on the under side of said conduits exposing portions of said conductors; contacts arranged to contact with said conductors through said openings; a cross head of insulating material arranged and adapted to carry said contacts, said cross head extending through said hooks; means for pressing said contacts against said conductors; and connectors in an electrical connection with said contacts.

2,433,893

GLIDER PICKUP APPARATUS

Harry B. Cowgill, Jr., Rockville Centre, N. Y.

Application December 6, 1943, Serial No. 513,027

10 Claims. (Cl. 244-63)



1. Glider pick-up apparatus including a standard adapted to releasably support at an elevation the free end of a tow line extending forwardly from a glider positioned at rest on the ground; an auxiliary cable adapted to be connected at one end to the front of the glider; a second cable adapted to have one of its ends releasably supported by the standard so that it and the free end of the tow line can be picked up by a catch projection on a passing towing craft in flight; a reeling unit rearward of the standard operated through pull on the second cable by the towing craft including means to gradually take up the first cable and impart accelerated movement to the glider until it attains the speed of the towing craft, and means automatically operative to effect release of the cables respectively when the speed of the glider is substantially equal to that of the towing craft for draft thereafter by said tow line.

2,433,894

POULTRY FEEDER

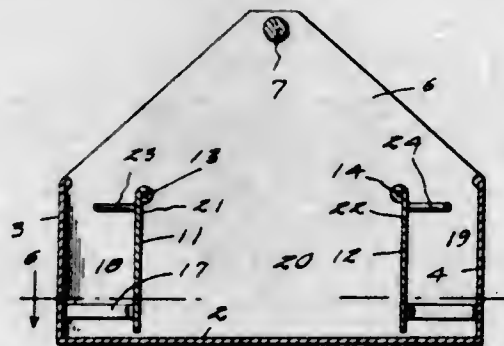
John O. Culpepper, Chatham, La.

Application June 14, 1944, Serial No. 540,188

1 Claim. (Cl. 119-61)

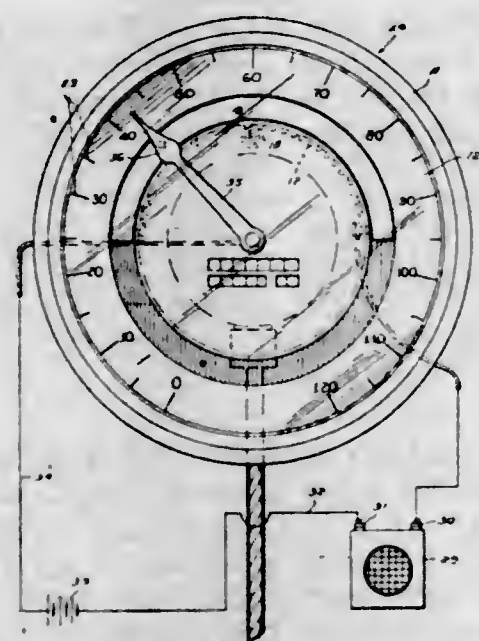
In combination with a poultry feeding trough having a vertical side wall, vertical end walls, a flat bottom and an open top, a partition disposed in the trough and longitudinally thereof, said partition having pins projecting from its ends and upper edge and journaled in said end

walls for swingably mounting the partition for movement toward and away from said side wall and for normally supporting it substantially parallel thereto, said partition having stops extending therefrom toward said side wall for limiting



the swinging movement of the partition toward the side wall, and an undulated guard member carried by the partition and disposed between the side wall and partition, said guard member and stops normally being disposed out of contact with said side wall.

2,433,895
SPEEDOMETER SWITCH
John Fairhurst, Miami, Fla.
Application December 30, 1944, Serial No. 570,651
2 Claims. (Cl. 200-56)

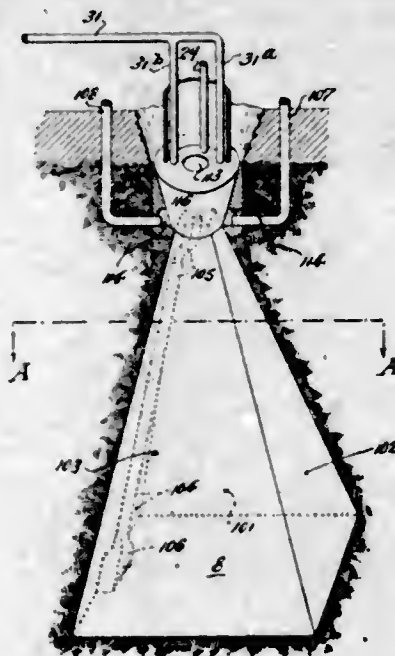


1. The combination of a speedometer having a dial of non-electricity conducting material formed with an integral set-in circumferential track, a presettable arcuate speed indicating rack of electricity conducting material adjustably supported in said track to indicate a selected speed, a contact on said rack, a rotatable dial hand associated with said dial, and a contact on said hand engageable with said first mentioned contact when the speed of the vehicle reaches the preselected speed shown by the speed indicating rack.

2,433,896
MEANS FOR STORING FLUIDS FOR POWER GENERATION
Fraser W. Gay, Metuchen, N. J.
Application April 16, 1943, Serial No. 483,361
2 Claims. (Cl. 72-11)

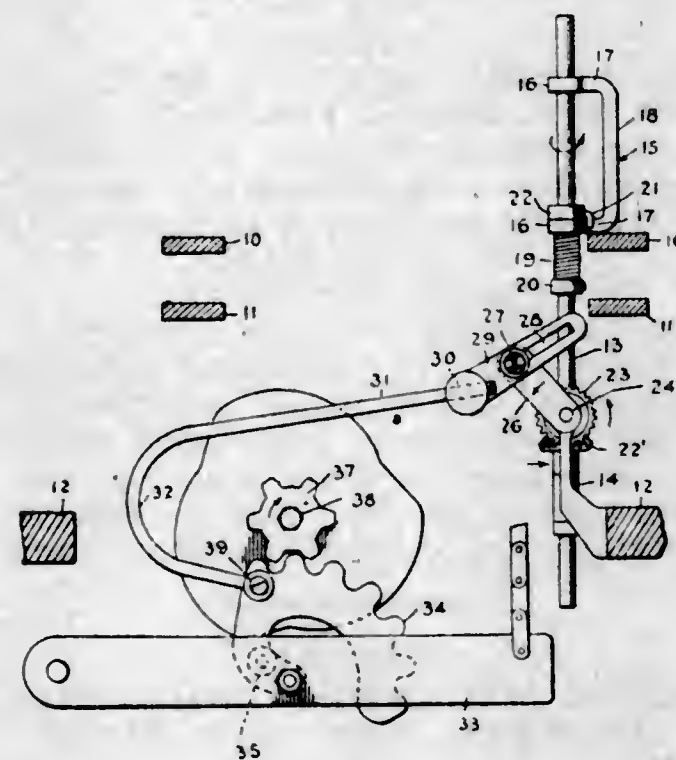
1. Means to store fluid under great pressure comprising an underground cavern having flat sides and horizontal cross-sectional area progressively increasing with depth, whereby the weight of the surrounding overburdening earth reacting

against the fluid pressure within the cavern at any cross-sectional level is greater than the total



upward fluid pressure upon said flat sides at that level.

2,433,897
BUNCH BUILDER MECHANISM
Ransom R. Gibson, Watts, S. C.
Application April 17, 1947, Serial No. 742,186
5 Claims. (Cl. 242-43.3)

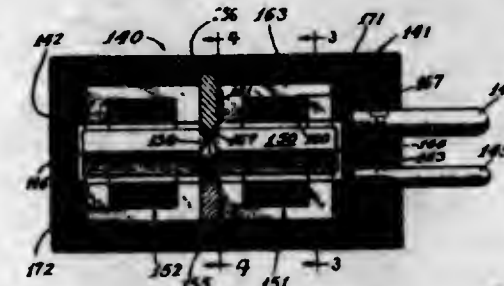


1. In a bunch builder mechanism, a vertically movable ring rail, a substantially vertical shaft arranged near the ring rail, a horizontally swinging latch pivotally mounted upon the shaft for movement over the ring rail, means mounted upon the shaft and contacting with the latch to swing the latch in one direction when the shaft is turned, the latch being movable from the means, and means to turn the shaft upon its longitudinal axis.

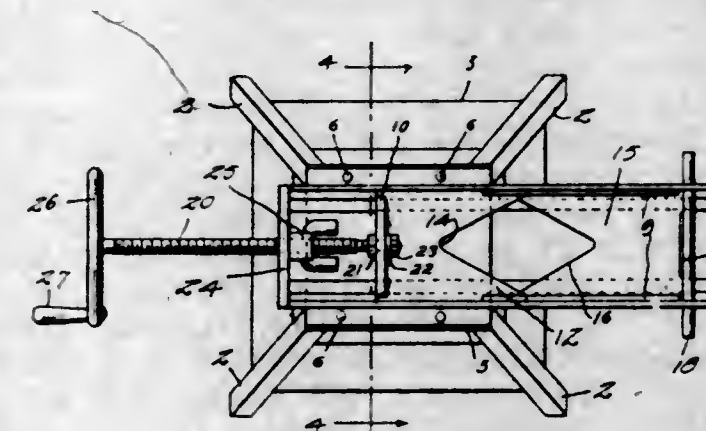
2,433,898
MAGNETOSTRICTIVE VIBRATOR UNIT
Webster E. Gilman, Chicago, Ill., assignor to Permoflux Corporation, Chicago, Ill., a corporation of Illinois
Original application November 23, 1942, Serial No. 466,560. Divided and this application February 1, 1946, Serial No. 644,793
13 Claims. (Cl. 171-777)

1. In an electro-mechanical control unit, an elongated sectional housing embodying side and end walls separable along a longitudinal plane of

separation and affording an internal mounting chamber, an elongated rod made from magnetostrictive material and disposed within said housing, a pair of inductive devices surrounding opposite end portions of said rod and disposed within said housing, and supporting means for said magnetostrictive rod operatively associated there-

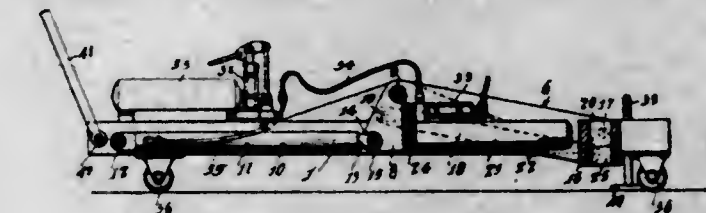


2,433,899
WISE FOR CLAMPING THE END PORTIONS OF CABLES OR ROPES
Floyd R. Granger, San Pedro, Calif.
Application June 15, 1945, Serial No. 599,653
2 Claims. (Cl. 81-17.4)



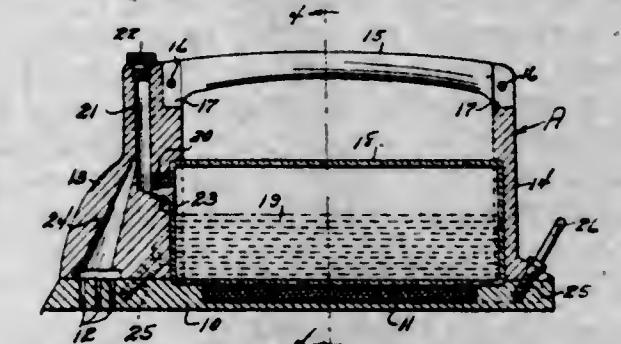
1. In a vise, an elongated supporting frame having a plate member disposed therein and fixed thereto and provided with a notch at one end thereof, forming a fixed vise jaw, a movable vise jaw slidably disposed in the supporting frame, guide means for slidably supporting the movable vise jaw in the frame and relatively to the fixed vise jaw, said movable vise jaw including a plurality of spaced plates forming a space therebetween in which the fixed jaw is receivable and between which said fixed jaw is closely engaged, said plates of the movable jaw having notches in an end thereof, opposite to the notched end of the fixed jaw and combining therewith to form a substantially diamond shaped opening as the movable jaw is moved toward a projected position and into telescopic engagement with the fixed jaw and manually actuated means for moving the movable jaw toward and away from said fixed jaw, said supporting frame including side rails between which the movable jaw is slidably disposed and which are provided with inwardly extending horizontal portions provided with upstanding guide strips for slidably supporting the bottom plate of the movable jaw and on the upper side of which the fixed jaw is supported, and said side rails having upstanding longitudinal flanges provided with inwardly extending guide strips, between which and the upper side of said fixed jaw, the upper plate of the movable jaw is slidably supported.

2,433,900
LIFTING APPARATUS
Edward P. Grime, Los Angeles, Calif.
Application May 1, 1943, Serial No. 485,297
5 Claims. (Cl. 254-10)



1. In a lifting jack, the combination of an elongated frame, a pair of spaced lever-arms pivotally supported on said frame near the middle point thereof, a lifting block supported between said arms for supporting a load and raising the same to an intermediate level, said lever-arms capable of assuming a substantially horizontal position of rest with said block disposed near one end of the frame, means carried in said frame adjacent its other end and connected with said lever-arms for swinging the same to a vertical position thereby to raise the block and its load to an intermediate level; and a fluid operated plunger and cylinder means, the cylinder thereof located between and carried entirely by said lever-arms with its plunger at its outer end, and having a lifting head capable of moving up past the lifting block when in its elevated position to take the load therefrom and raise the same to a higher level.

2,433,901
PYREX STEAM ELECTRIC IRON
Henry Hayashi, Topaz, Utah
Application June 7, 1944, Serial No. 539,123
1 Claim. (Cl. 38-77)

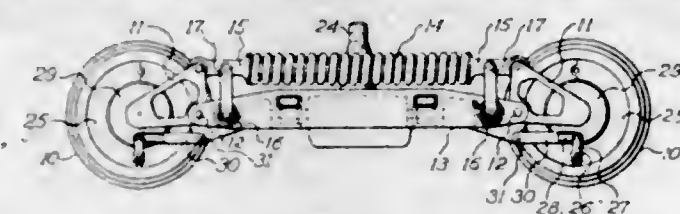


An iron of the kind described comprising a sole plate, an electric heating element countersunk in the upper face of the sole plate, a glass boiler countersunk in the sole plate above the heater in contact therewith, a chassis having a fore and an aft section removably secured to the sole plate having the ends of the boiler countersunk therein whereby the boiler is held in position in said plate, a handle connecting the upper end of the fore and aft sections, steam emitting passages in the sole plate forward of said boiler at the toe portion thereof, a passage leading through one of the sections and communicating with the steam emitting passage in the lower face of the sole plate at an angle thereto, a vertical passage communicating with said last passage and said boiler and a nipple carried by the boiler and forming a tight joint with the vertical passage.

2,433,902
RAILWAY TRUCK
Knut Henriksen, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application May 1, 1944, Serial No. 533,525
6 Claims. (Cl. 105-182)

1. A vehicle truck comprising a frame, two pairs of bell crank levers, each pair being pivoted

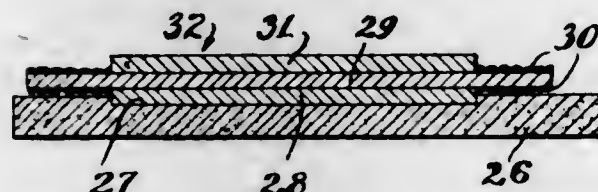
to opposite sides of said frame, each lever having an outwardly projecting horizontal arm and an upwardly projecting arm, wheel units journaled in the outer ends of said horizontal arms and supporting the same, cushioning means interposed between and resiliently interconnecting the



upper ends of said vertical arms of each of said pair of levers, and roll-inhibiting means comprising a shaft journaled in said frame and an arm secured to each end of said shaft, projecting outwardly from said shaft and operatively connected to the vertical arm of one of said bell crank levers.

2,433,903

METHOD OF MAKING CLAD METAL BODIES
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application December 30, 1943, Serial No. 516,281
3 Claims. (Cl. 22-204)

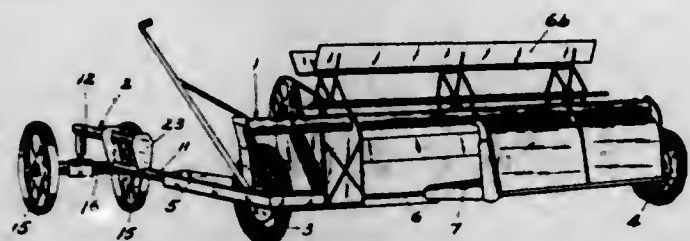


1. The method of cladding a higher melting point metal sheet with a layer of lower melting point metal which comprises placing a quantity of said lower melting metal in a shallow recess in a slab of refractory material, said quantity exceeding that required to fill said recess, laying said higher melting metal sheet over said recess containing said lower melting metal and passing the assembly through a furnace to melt said lower melting metal and into a cooling one to solidify it in contact with said higher melting sheet.

2,433,904

HORSE HITCH ATTACHMENT FOR HARVESTERS

Sherman C. Heth, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application June 29, 1946, Serial No. 680,469
4 Claims. (Cl. 278-1)



1. A horse hitch attachment for a horse-drawn harvesting machine having a reciprocable sickle and a conveyor in the rear of the sickle for receiving the grain therefrom and conveying it toward the stubble side, and wheels for supporting the rear of the machine, said attachment comprising a metal drawbar tube having its rear end detachably securable to the machine, a second metal drawbar tube extending above and parallel to said first tube and forwardly thereof, a metal plate having an opening through which said upper tube extends welded to said upper tube and having its lower edge welded to the lower tube, a plate welded to the rear end of said upper tube

and having its lower edge welded to said lower tube, an upright bearing sleeve extending through registering openings in the front end of said upper tube, a pivot pin rotatably mounted in said sleeve, an axle rockably secured to said pivot pin to rotate therewith about an upright axis, steering wheels on said axle, a relatively short tongue secured to rotate with said axle about said upright axis, a second upright pivot pin extending through registering openings in said upper tube in the rear of said first pivot pin, and a relatively long tongue extending forwardly from said second pivot pin and rotatable about the axis thereof, having a shiftable bearing connection with said short tongue whereby an angular movement of said long tongue will cause a greater angular movement of said short tongue, said long tongue having connections for a whiffletree.

2,433,905

METHOD FOR THE CRYSTALLIZATION OF ALBUMIN AND THE PREPARATION OF PROTEIN PRODUCTS THEREFROM

Walter L. Hughes, Jr., Boston, Mass., assignor to the United States of America, as represented by the Secretary of War
No Drawing. Application November 1, 1943, Serial No. 508,636

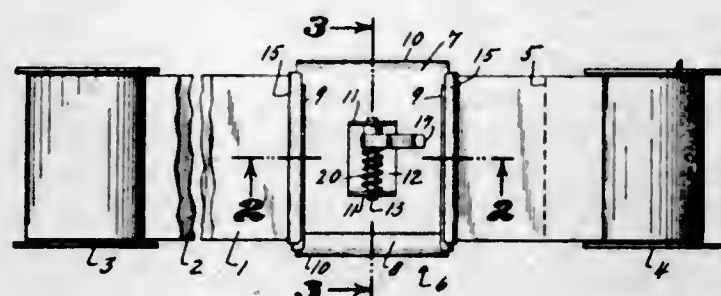
8 Claims. (Cl. 260-122)

2. In a method for the precipitation of albumin, the step which comprises promoting crystallization of the albumin from an aqueous solution containing from approximately 5 per cent to approximately 15 per cent of the albumin, and an albumin precipitant, by adding to the said solution an aliphatic monohydric alcohol of from 5 to 10 carbon atoms in amount of from 0.01 to 5 percent by volume, the albumin precipitant being present in amounts effecting precipitation of the albumin in the presence of the added aliphatic monohydric alcohol, and the albumin solution having a pH value of from pH 5.1 to pH 6.0.

2,433,906

FILM CLAMP

George Eddie Husted, San Francisco, Calif.
Application December 21, 1943, Serial No. 515,087
3 Claims. (Cl. 24-263)



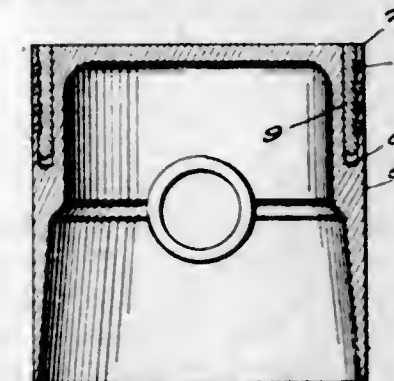
1. In a clamp for clamping superimposed strips of material, a pair of rectangular plates arranged in face to face relation with freedom of sliding movement, a pair of side flanges on one of the plates and turned over the other plate to hold the latter against turning movement, opposing end flanges on the plates adapted for engagement under opposite edges of the strips, the plates being operable for drawing the flanges toward one another to close in on the strips, a pressure member interposed between the end flanges and the plate to overlie the strips and means for drawing the end flanges toward the pressure member, the pressure member having edge portions disposed in confronting relation to the end flanges and co-operable therewith for clamping the edges of the strips therebetween when the flanges are drawn

toward the pressure member, and the pressure member having side flanges turned over the side flanges of the plates for holding the pressure member to the plates to form a unit therewith.

2,433,907

PISTON RING EXPANDER

Joseph F. Hynek, Smithton, Pa.
Application April 25, 1945, Serial No. 590,242
2 Claims. (Cl. 309-35)

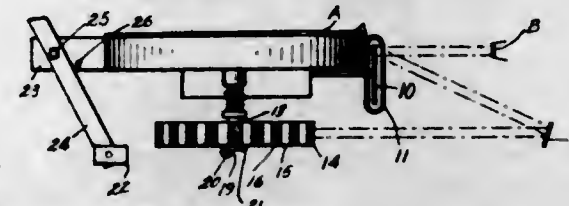


1. A piston having annular piston ring grooves formed therein and adapted for seating piston rings therein, said piston having a plurality of openings extending downwardly from the top of the piston adjacent the side walls thereof and communicating with said grooves and pins adapted for insertion in said openings and having vertically spaced grooves in one side thereof adapted to register with the grooves of the piston for seating the rings in the grooves of the pins, said pins having raised portions on its surface between said grooves and adapted for engagement behind the rings upon a predetermined downward movement of the pins in the openings to expand the rings.

2,433,908

REEL SIGNAL FOR MOTION-PICTURE PROJECTION APPARATUS

James Gordon Jackson, Port Alberni, British Columbia, Canada, assignor of one-half to James Nelson Trumpour, Port Alberni, British Columbia, Canada
Application December 1, 1943, Serial No. 512,491
1 Claim. (Cl. 88-16)

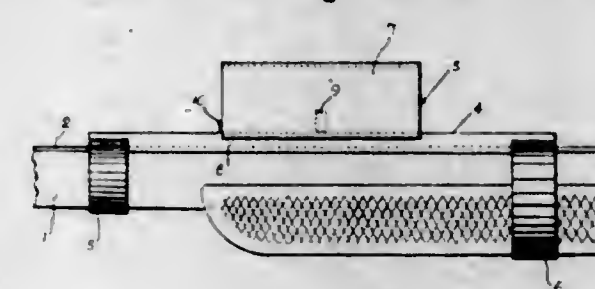


Motion picture projection apparatus comprising in combination a projector, a feed reel adapted to hold film for the projector, the shaft of said reel rotating at varying speeds dependent upon the amount of film on the reel, a source of light for the projector, a rotating shutter for the projector adapted periodically to interrupt the beam from the light source, said shutter having opaque sections with reflecting surfaces on the side thereof adjacent the light source, a drum mounted to rotate with the reel shaft, said drum having a plurality of parallel alternately contrasting bands extending transversely of the surface thereof, and a mirror arranged to direct periodically reflected light from the reflecting surfaces of the opaque sections of the shutter on the bands of the drum, the number and size of said bands being so related to the frequency of the light interruptions and the speed of the shaft when the reel holds a predetermined amount of film as to produce the appearance of the bands being stationary when the shaft rotates at said speed.

2,433,909

GUN SIGHT

Richard H. Jefferies, Richmond, Va.
Application April 10, 1945, Serial No. 587,547
5 Claims. (Cl. 33-51)

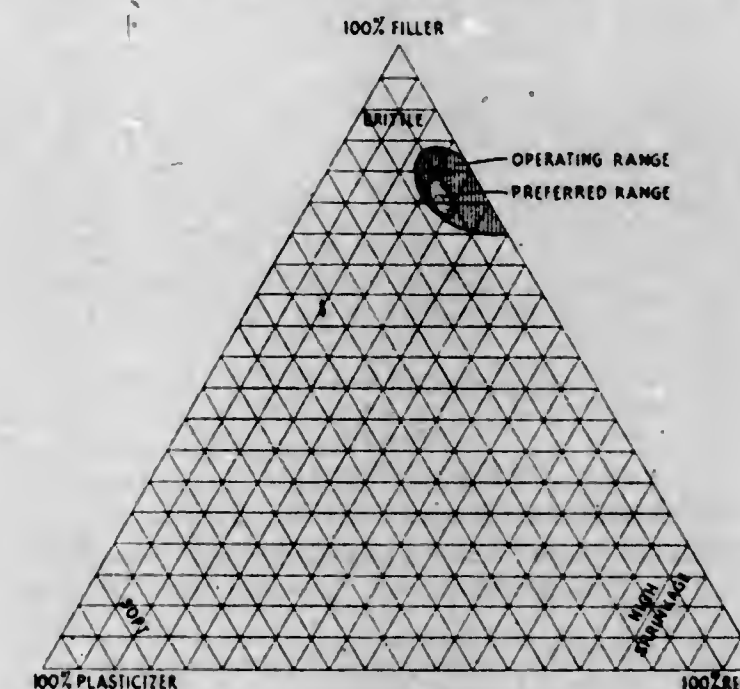


1. A rear sight for a shotgun comprising an elongated tunnel member, means for detachably mounting said tunnel member on the rear portion of a shotgun barrel in vertically spaced relation to said barrel and extending longitudinally thereof, a peep sight element provided within said tunnel member in the vertical longitudinal plane of said barrel, and additional sight means provided at the forward edge portion of said tunnel member, said additional sight means being laterally spaced from said vertical longitudinal plane.

2,433,910

PUTTY COMPOSITION COMPRISING A POLYMETHACRYLATE AND FILLER

Charles W. Johnson, East Brunswick Township, Middlesex County, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 14, 1944, Serial No. 540,279
8 Claims. (Cl. 260-41)



1. A coating composition of buttery consistency comprising a polymerized ester of methacrylic acid derived from a saturated aliphatic alcohol containing from 3 to 4 carbon atoms, and a filler comprising colloidal china clay and talc in the proportion of between 18 and 30 parts by weight of said methacrylate polymer to between 82 and 70 parts by weight of filler, the ratio of the colloidal china clay to talc in the said filler being between 70 and 35 parts of the clay to between 30 and 65 parts by weight of talc.

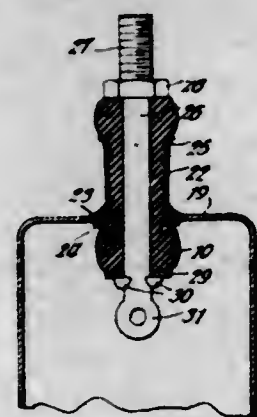
2,433,911

LEAD THROUGH TERMINAL

Leith Johnston, Park Ridge, Ill.
Application November 29, 1944, Serial No. 565,617
1 Claim. (Cl. 174-153)

A method of producing a hermetically sealed lead through terminal which comprises forcing

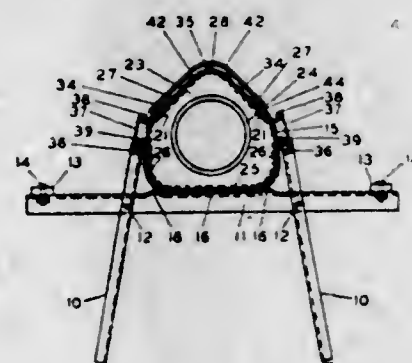
a sleeve of rubber through a metal eyelet, then forcing a conductor rod much larger in cross section than the bore of the sleeve, through the



assembled sleeve and eyelet, then soldering said eyelet to a supporting metal wall and thereby vulcanizing the rubber to the eyelet.

2,433,912 FEEDER

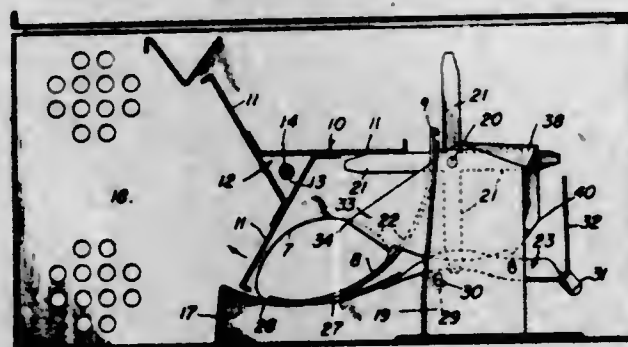
Stanley E. Keagle, Minneapolis, Minn.
Application February 5, 1945, Serial No. 576,196
9 Claims. (Cl. 119-61)



1. A feeder comprising a frame, a trough supported upon said frame, head pieces within said trough for closing the ends of the trough, and mechanism constituted as clamping entities engaged with said frame and said head pieces and about said trough for releasably fastening the head pieces in said trough and the trough upon the frame.

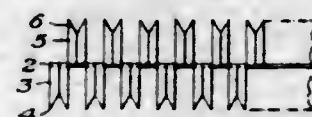
2,433,913 ANIMAL TRAP

Austin E. Kness, Albia, Iowa
Application November 1, 1945, Serial No. 626,055
5 Claims. (Cl. 43-74)



1. An animal trap including a housing having an entrance opening and a spring-actuated rotatable unit mounted in the housing and having paddles adapted to push an animal entering the opening toward one end of the housing, a latch mechanism including a rotatable member having radially extending arms engaging the paddles to hold the unit inactive, an animal-actuated trip device for the latch mechanism, and a trip return device actuated by the unit to return the trip to its latch-engaging position.

2,433,914
STAPLE STRIP AND STAPLE
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocil Corporation, Pittsburgh, Pa., a corporation of Delaware
Application April 28, 1944, Serial No. 533,157
19 Claims. (Cl. 59-77)



19. A blank for forming a number of staple-like fasteners comprising a ribbon of metal having uniformly serrated longitudinal edges with slits extending inwardly from the points of the serrations to the center with the points of the serrations and the slits along the two edges being in transverse alignment, there also being slits extending inwardly from the valley of at least every other serration, the strip having indexing holes at regular intervals along the center line thereof.

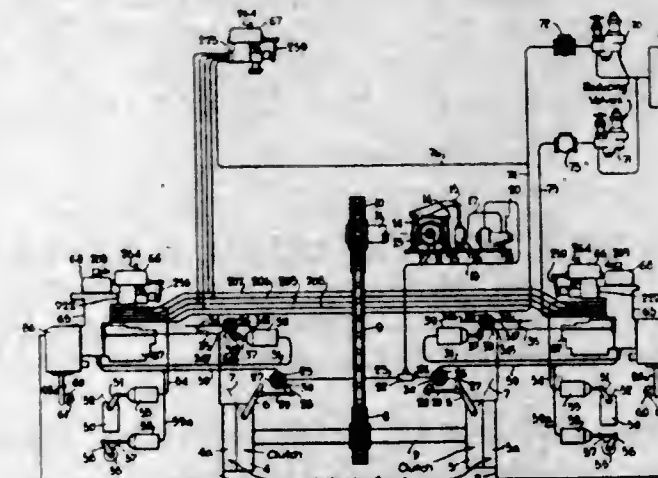
2,433,915
CHILD'S UNDERSHIRT
Olive L. Long, Reno, Nev.
Application June 12, 1945, Serial No. 599,026
1 Claim. (Cl. 2-111)



A child's undergarment, comprising an elongated elliptical shaped body part adjusted to be positioned over a child's chest and abdomen from the front of the child, the outer edges of the body being curved toward each other along the top and bottom thereof to provide securing straps, the upper edge of the body being curved inwardly and the bottom edge curved downwardly, sleeves mounted on the body to be placed on the arms from the front, the end parts going about the child and overlapping each other at the back, and the terminal ends reduced in width and extending from the medial line thereof in opposed relation to each other to form securing straps, the body at the sides formed with double spaced vertical slots on one side of the body and a single vertical slot on the other side of the body to receive the straps said double slots being separated by a vertical loop and the material about the slots is reinforced, said slots being respectively under and spaced from the sleeves, with the sleeves toward the ends of the body at each side, and the straps turned about the child's body to overlap in front, and means for attaching the strap ends together in front of the child's body.

2,433,916 CONTROL MECHANISM FOR PROPULSION SYSTEMS

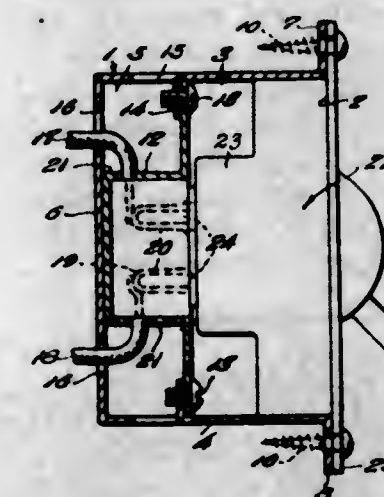
Harry C. May, East McKeesport, and Roy R. Stevens, Forest Hills, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application February 10, 1944, Serial No. 521,798. Divided and this application December 28, 1944, Serial No. 570,103
3 Claims. (Cl. 60-97)



1. In combination, a member to be driven, a plurality of motors for driving said member, a brake for said member, control means for said motors operable to control running and stopping thereof and to also control application and release of said brake, individual coupling means for each motor for connecting and disconnecting the motor to and from said member, and brake interlock means conditioned upon operation of either coupling means to connect the respective motor to said member to render said brake controllable by said control means and conditionable upon operation of either coupling means to disconnect the respective motor from said member to render said brake noncontrollable by said control means.

2,433,917 OUTLET BOX AND PLUG-IN CONNECTIONS THEREFOR

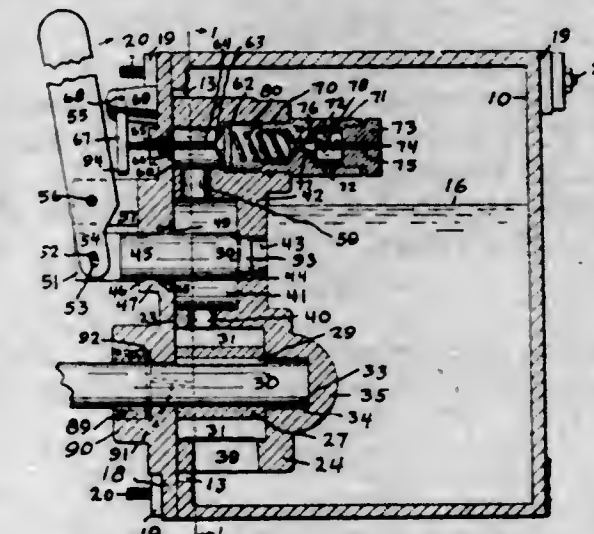
William James McCartney, San Francisco, Calif.
Application July 15, 1944, Serial No. 545,086
1 Claim. (Cl. 174-53)



In an electrical outlet box, having an open front, and end, side and back walls, respectively, a partition plate fitted in said box opposite said back wall and embodying a central cup-like receptacle opening forwardly and having a closed back, a socket holder fitted in said receptacle and having prong receiving sockets embedded therein for the attachment of power lines thereto, said box having apertures therein in the rear of said plate for the extension of power lines therethrough into said box and said receptacle having apertures therein for the extension of said lines therethrough to said socket holder, and a plug-in

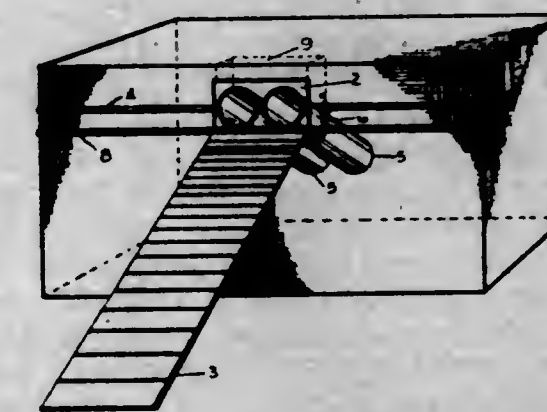
unit fitted into the front of said box and provided with prongs inserted in said sockets, said unit forming a closure for said box, said box being provided with inturned ears in the end walls thereof bent out of said walls to form said apertures, said partition plate being detachably attached to said ears.

2,433,918
HYDRAULIC OIL PUMP
Paul S. Mefferd, Laurens, Iowa
Application March 14, 1946, Serial No. 654,418
4 Claims. (Cl. 103-41)



1. A hydraulic oil pump comprising a reservoir, a pump unit attached within said reservoir, said pump unit having an outlet communicating from the pump exteriorly of the reservoir, means for causing flow of oil in said reservoir to pass through said outlet under pressure developed by said pump unit, said pump unit including by-pass means for providing return of oil pumped into said outlet incidental upon control of an operator, said by-pass means including a cavity communicating into said reservoir, a plunger normally seating against said cavity whereby movement of said plunger away from said cavity will cause oil to pass into the reservoir, a control lever pivotally attached to said pump unit and to said plunger for operating the plunger, a cavity of substantially greater diameter than said plunger in which said plunger is mounted, ports communicating from said larger cavity to said outlet, a valve controlling said ports, said valve having a stem extending outwardly of said unit, said control lever adapted to force said stem and valve inwardly to open said ports when said plunger is moved outwardly.

2,433,919
RODENT TRAP
Joseph J. Mitchell, Oakland, Calif.
Application August 21, 1944, Serial No. 550,438
1 Claim. (Cl. 43-69)



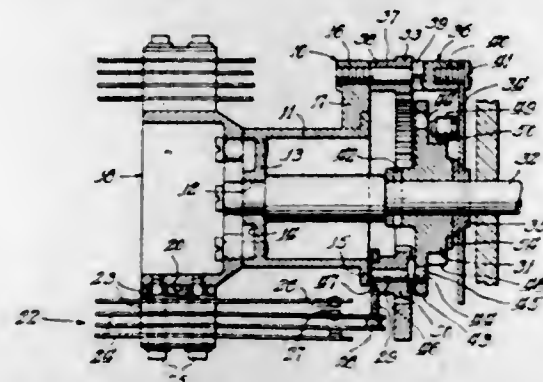
In a rodent trap, a cage having an opening in one wall thereof, a supporting rod in said cage disposed rearwardly of said opening and between

the top and bottom thereof, a guide member comprising a straight tube open at both ends, a yoke supporting said tube and having its ends rotatably engaging said supporting rod, said yoke disposed nearer to one end of said tube than the other whereby said tube is supported in unbalanced relationship, the shorter end of said tube normally disposed adjacent to said opening, and a limiting rod in said cage adjacent to the lower edge of said opening; said last named rod supporting the shorter end of said tube against downward movement when the tube is in normal balanced position.

2,433,920

ROTARY SWITCH

Donald P. Mossman, Chicago, Ill., assignor to Donald P. Mossman, Inc., Chicago, Ill., a corporation of Illinois
Application October 7, 1944, Serial No. 557,595
7 Claims. (Cl. 200—1)

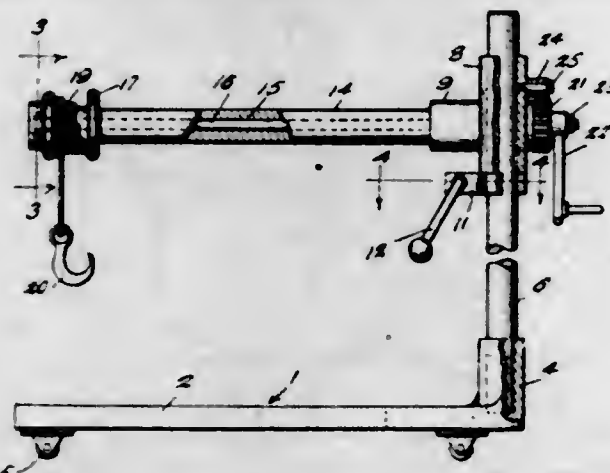


1. A switch of the character described, comprising a spring contact bank carrying frame having circumferentially arranged mountings for the banks of contacts, means for mounting a shaft for rotation about the axis on which the banks of contacts are arranged, said means comprising spaced bearings fixed to said frame, a ring gear fixed to said frame, a cam support keyed to said shaft, a pinion on said cam support engaging said ring gear, a cam fixed to said pinion having its surface formed to engage and lift the movable contact springs of said banks of contact, a notched member fixed on said shaft, and a spring pressed lever having a roller riding on the notches of said member, the contact spring lifting surface on the cam and the notches on said notched member being so mounted with relation to each other that the spring pressure on the lever and the spring pressure of the spring contact offset each other.

2,433,921

TRANSMISSION HOIST

Nels O. Nelson, San Juan, Tex.
Application April 15, 1946, Serial No. 662,381
1 Claim. (Cl. 254—139.1)



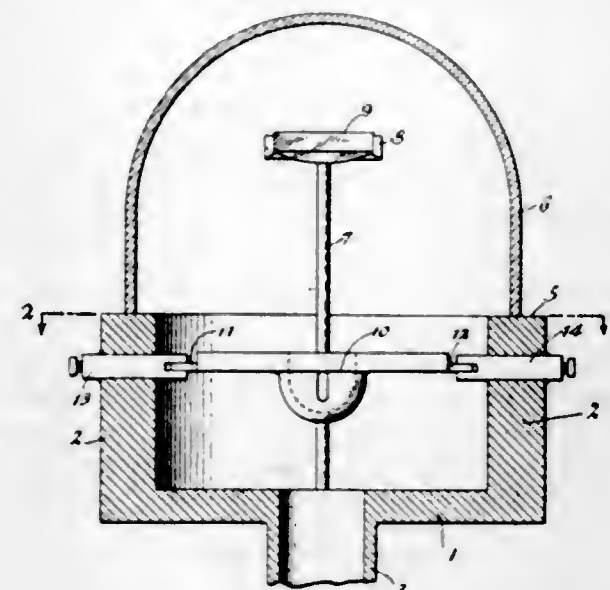
In a hoist of the class described, a wheel supported elongated base, a post at one end of said base having a lower end rotatably mounted on

the same, a cross head vertically slidable on said post into different set positions, a clamp on said post vertically adjustable thereon to support said cross head in the different set positions thereof, a crane arm extending horizontally from said cross head, to overlie said base and having a rear end fixed in the cross head, a shaft rotatable in said cross head and crane arm with a front end extending out of said arm and a rear end extending out of said cross head, a cable winding reel fast on the front end of said shaft, an operating crank for said shaft fast on said rear end thereof, and dogging means for said shaft, including a pivoted dog the pivot of which is adjustable to lock the cross head to the post.

2,433,922

APPARATUS FOR TREATING SURFACES

Harold Osterberg, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application October 15, 1942, Serial No. 462,443
7 Claims. (Cl. 219—35)



1. In a device of the character described, a support member comprising a base having an upstanding flange adjacent the periphery thereof forming a hollow member, said support having an opening to allow the evacuation of air therefrom, and the upper exposed edge of said peripheral flange having a seat of sufficient area to receive and support a chamber member in such a manner that said chamber member and hollow member may be evacuated to provide a vacuum chamber whereby associated elements within the vacuum chamber may be supported from the side walls of the support member.

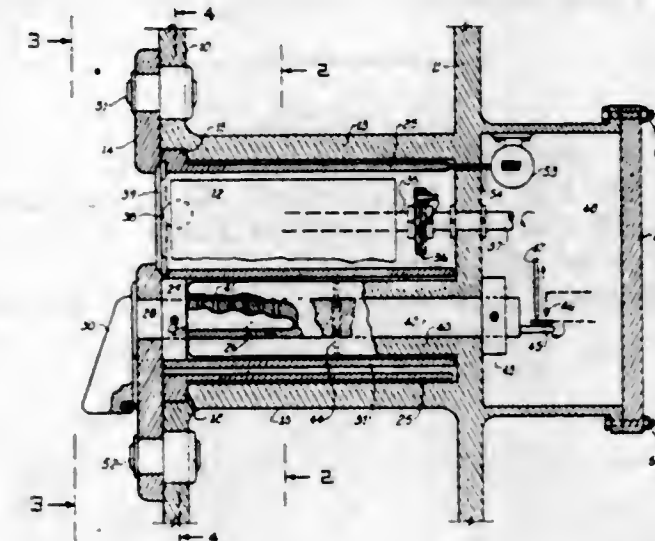
2,433,923

LOCKING MEANS FOR INDICATING INSTRUMENTS

Verneur E. Pratt and George F. Gray, Norwalk, Conn.
Application June 20, 1944, Serial No. 541,192
10 Claims. (Cl. 73—432)

6. In a device of the character described, a removable casing and a supporting frame therefor, said casing and frame having cooperating lands and grooves on first engaging portions of their bodies, an indicating instrument in said casing having separable means extending from the casing and adapted to be connected to operating means outside said casing, a key-like member in said casing, a handle secured to said member and extending through said casing to the outside thereof for manual operation, a lock on said

frame, and control means adapted to control the actuation of said operating means and connected to said lock and adapted to be moved therewith,



said key-like member being adapted upon movement of said handle to move said lock and operate said control means.

2,433,924

ANTENNA

Henry J. Riblet, Cambridge, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War
Application August 1, 1945, Serial No. 608,295
4 Claims. (Cl. 250—33)



2. In an antenna, the combination of an enclosed transmission line, a probe adapted to be electrically excited from said transmission line, two metallic substantially plane circular plates forming a wave guide for energy radiated from said probe, a disk of material refractive to electromagnetic radiation enclosing said probe, the faces of said disk being at least partially enclosed by said plates, said plates, said disk, and said probe being substantially coaxial.

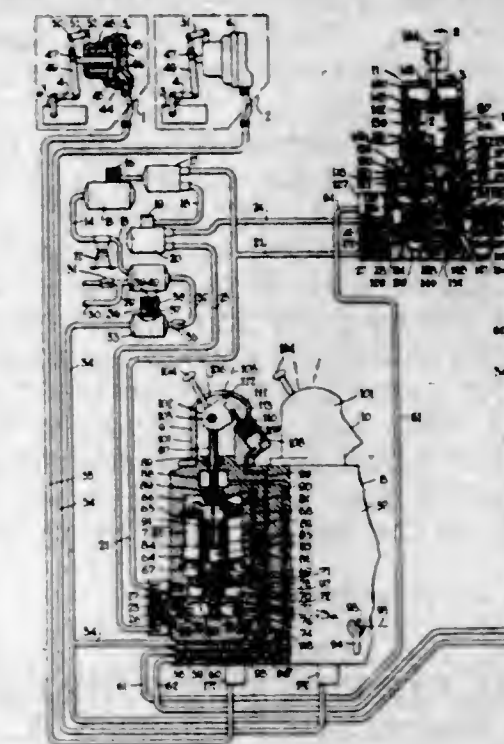
2,433,925

FLUID PRESSURE CONTROL APPARATUS

John W. Rush, Wilkesburg, and Walter B. Kirk, East McKeesport, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,638
11 Claims. (Cl. 121—38)

1. In combination, a fluid pressure adjustable regulating device, a self-lapping valve device comprising a spring and a movable abutment operable in accordance with the degree of pressure of either or both said spring and/or of fluid on one side to supply fluid to adjust said regulating device in accordance with the degree of such pressure, one manually operative control device operable to vary the pressure of fluid on said one side of said movable abutment, another manually operative control device operative to vary the pressure of said spring, and mechanism operable

upon operation of said one manually operative control device to provide fluid under pressure on



said abutment, to limit compression of said spring by the other manually operative control device.

2,433,926

VENDING CONTAINER

Le Roy S. Sayre, Stuttgart, Ark.
Application May 28, 1945, Serial No. 596,329
6 Claims. (Cl. 229—1.5)



1. A container of the class described comprising a hollow body portion closed at the bottom and interiorly grooved adjacent its open upper end, a removable lid having a peripheral margin inserted in the groove and provided with a pocket having an end opening outwardly of said margin, and a dispensing utensil in the pocket.

2,433,927

SAFETY POCKET

Everett C. Schweppe, Topeka, Kans.
Application March 8, 1946, Serial No. 653,032
3 Claims. (Cl. 2—250)



3. In combination with a shirt, a safety pocket therefor including a forward pocket wall sewed at its opposite sides and bottom to said shirt, a closure flap for said pocket sewed to said shirt to overlie the upper end of said pocket, said flap being formed with a pen or pencil receiving aperture extending through a portion of the seam formed by sewing the closure flap to said shirt and having a double thickness of material, spaced lines of stitching extending transversely through said flap adjacent its upper end forming a concealed recess, and a safety cord or binding in said recess adapted to be engaged by the clip of a pen or pencil when placed in said pocket to secure the same against accidentally slipping from said pocket.

2,433,928

METHOD OF IMPROVING STABILITY AND ULTRAVIOLET TRANSMISSION OF GLASS

John L. Sheldon, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application October 10, 1945,

Serial No. 621,605

10 Claims. (Cl. 49-77)

9. An article composed of a borosilicate glass which contains 15% to 55% B_2O_3 and which has been treated for at least one hour with fluid water at a temperature not exceeding about 100° F., and thereafter heated near its annealing temperature for at least the time required to anneal said glass, the glass having a transmission for wave length 185 mμ, which is higher than the transmission of the initial glass by an average of about 20%.

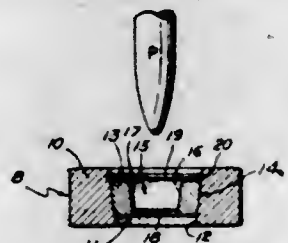
2,433,929

CONICAL DIE FOR METAL DRAWING

Raymond E. Slater, New Rochelle, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application May 11, 1944, Serial No. 535,011

3 Claims. (Cl. 113-49)



1. A die assembly for shaping workpieces comprising a die, an elastic die holder, said die and die holder having mutually engaging surfaces which are uniformly and continuously tapered throughout their extent to support said die freely in said holder and below the upper edge thereof and to enable said die to move from a normal position in said holder to a lower position in said holder so as to reduce the impact on said die of the force initiating the workpiece shaping operation and simultaneously to expand said elastic holder radially during the downward movement of said die to dissipate the forces of said impact which tend to change the geometry of said die, the angle of taper of said uniformly and continuously tapered surfaces being not substantially less than 7°, whereby said die will be moved upwardly to its normal position in said elastic holder due to the subsequent radial contraction of said holder following the workpiece shaping operation.

2,433,930

FASTENING MEANS FOR COLLECTOR BAGS

Paul Speer, Bogota, N. J., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

Application December 6, 1944, Serial No. 566,943

2 Claims. (Cl. 285-71)



1. Fastening means for collector bags comprising a tubular nipple having a bead adjacent

its outer end over which the neck of a collector bag is adapted to fit, a conical guide to fit over the neck of the bag with its larger end overlying the bead, and an annular resilient ring adapted to be moved over the guide to a position around the bag neck and the nipple adjacent the bead.

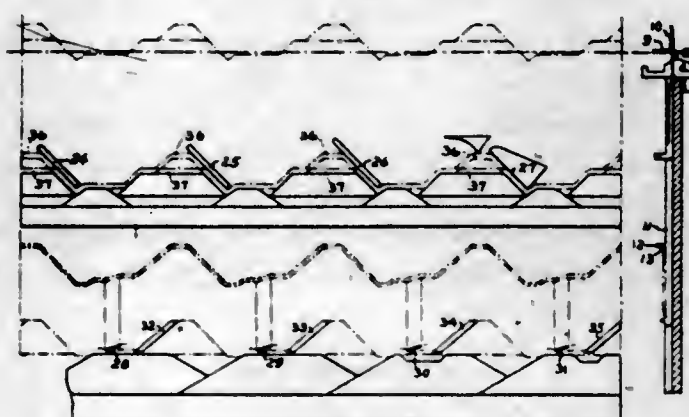
2,433,931

METHOD OF KNITTING

Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application July 27, 1946, Serial No. 686,657

2 Claims. (Cl. 66-24)



1. A method of knitting a stocking upon a circular, independent needle, knitting machine having cylinder and dial needles which includes the steps of knitting a leg of a plurality of yarns separately but simultaneously knit each upon all of the dial needles, one or more of said yarns being knit also upon cylinder needles selected to form a pattern, transferring loops from dial needles to the cylinder needles which knit the heel, knitting the heel upon these cylinder needles, knitting the foot by resuming the separate but simultaneous knitting of all yarns upon the dial needles and one or more of the yarns also upon cylinder needles selected to form the desired pattern, transferring all dial loops from dial needles to cylinder needles, knitting the ring toe upon all of the cylinder needles and knitting the toe on one half of the cylinder needles.

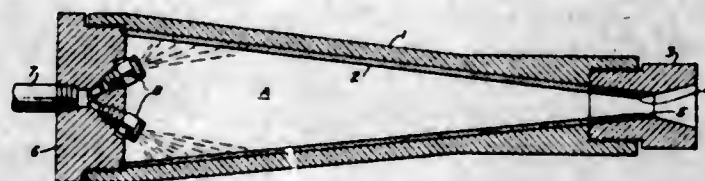
2,433,932

FUEL COMBUSTION

Arthur J. Stosick, Pasadena, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware

Application March 11, 1944, Serial No. 526,065

9 Claims. (Cl. 52-5)



1. A method of spontaneously decomposing a member of the group consisting of nitromethane and a mixture of nitromethane with nitroethane in the absence of oxidizing agents outside of said member and without preheating, which comprises contacting said member with a catalyst composed of a mixture of manganese dioxide and a metal oxide taken from the group of metals consisting of chromium, thorium, zirconium, cerium, magnesium, uranium, copper, cobalt and silver.

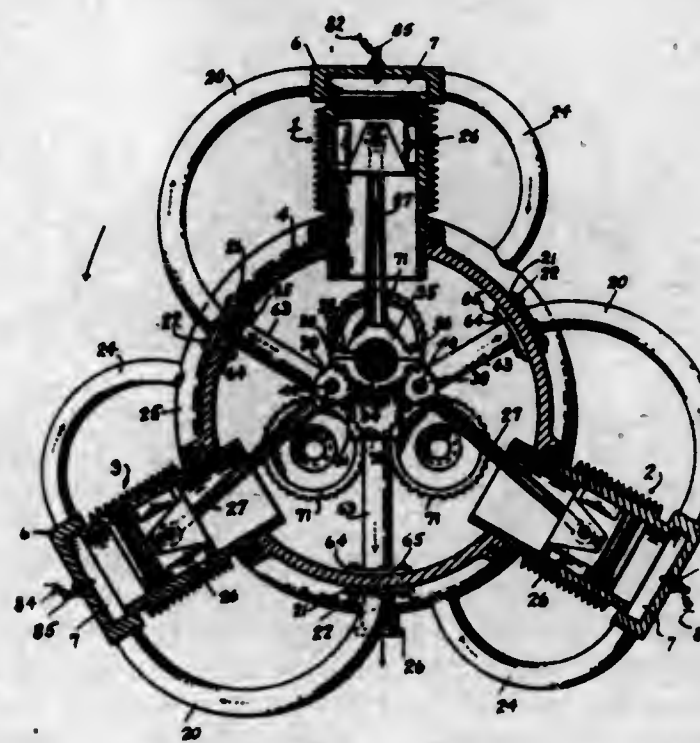
2,433,933

INTERNAL-COMBUSTION ENGINE

John Stucke, Philadelphia, Pa.

Application October 6, 1943, Serial No. 505,223

3 Claims. (Cl. 123-44)



3. Drive mechanism for the rotary cylindrical casing of an internal combustion engine of the type embodying cylinders on the casing with pistons therein, and inlet and exhaust valve operating push rods extending in pairs into said casing, said mechanism comprising an axial crank shaft in said casing to which said pistons are operatively connected, a hollow rotary shaft extending into said casing coaxially with the crank shaft and in one end of which the crank shaft is journaled at one end thereof, a series of cam shafts in the casing for operating said pairs of push rods, respectively, grouped around the hollow shaft parallel therewith and mounted thereon for rotation and for revolving by the same, means operatively connecting the crank shaft to the shafts of the series for imparting rotation thereto, and means operatively connecting the shafts of the series to the casing for causing rotation of said shafts of the series to impart rotation to said casing, said hollow shaft being adapted to form an inlet manifold, the first mentioned means comprising planetary gearing operatively connecting the crank shaft within the casing to the shafts of the series at one end thereof, and the last mentioned means comprising planetary gearing operatively connecting the shafts of the series at the other end thereof to said casing.

2,433,934

TIE DEVICE FOR WALL FORMS

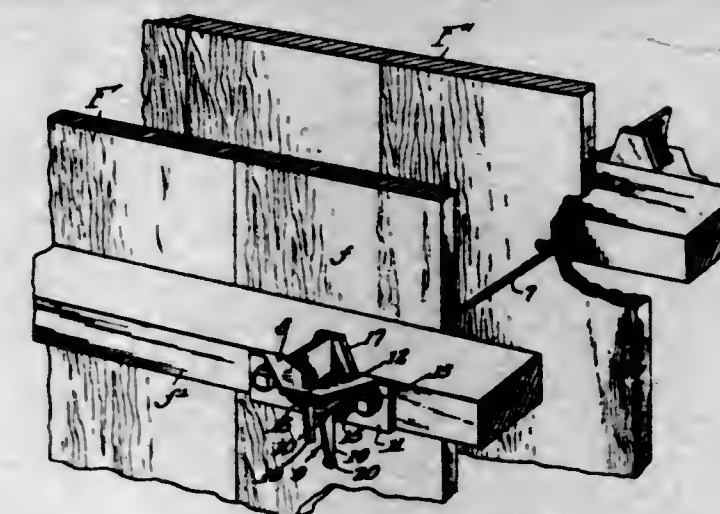
Arthur H. Symons, Chicago, Ill.

Application June 24, 1944, Serial No. 541,921

8 Claims. (Cl. 25-131)

2. The combination with a wall forming form with a transverse opening therethrough, of a combined tie and spreader rod having one end thereof extending through the opening and provided at its extremity and adjacent the outer face of the form with a loop, a bracket connected fixedly to the outer face of the form and disposed adjacent the opening, and an elongated member mounted on the bracket so that it extends at right angles to the rod, is slidable longitudinally to and from the one end of the rod and is locked or held against lateral displacement with respect to the bracket when it is slid as far as possible toward said one end of the rod, having the end thereof nearer the rod bifurcated in such manner

as to provide an inner and an outer arm, and adapted when slid towards the rod to have the two arms brought into such straddled relation



with the outer portion of the loop as positively to lock the bracket and form against longitudinal displacement in either direction relatively to the rod.

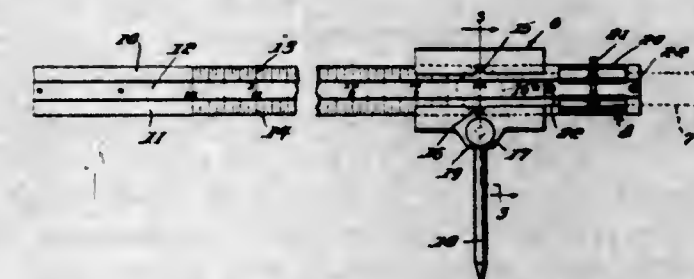
2,433,935

OPPOSED CONTACT DISTANCE INSTRUMENT OF THE TRAMMEL BEAM TYPE

Romie P. Todd, Charleston, W. Va.

Application January 12, 1945, Serial No. 572,460

3 Claims. (Cl. 33-158)



1. In a multiple-purpose precision instrument of the class described, a scale comprising an elongated body flat on its rear side, having a central flat portion on the opposite side and beveled along opposite longitudinal edges, said bevels being provided with graduations constituting singly and collectively usable scales, and a slide in the form of a block having a longitudinal channel opening through opposite ends, said channel conforming in cross sectional shape to the shape of the scale, the open side of the channel being provided with opposed V-shaped notches constituting indexes coacting with the graduations on said scale, said slide block being provided on one end with a projection formed with a socket, said socket being adapted to accommodate detachable standardized points, scribing instruments and equivalent attachments, there being a set screw for holding the slide in set position on the scale, and a second set screw carried by the socket to securely hold the points in place, and a spring clip detachably mounted on one end of said scale, said clip being constructed and adapted to accommodate rods, pipes and the like.

2,433,936

PLASTIC EXTRUDING MACHINE

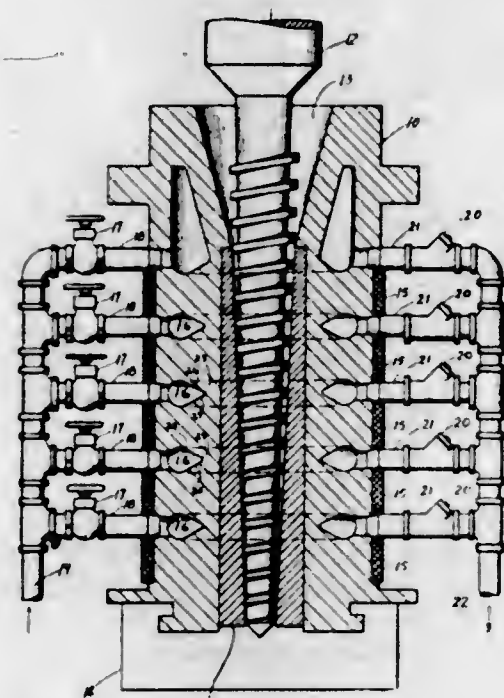
Henning T. Tornberg, Cuyahoga Falls, Ohio, assignor to Modern Plastic Machinery Corporation, Wilmington, Del., a corporation of Delaware

Application July 3, 1945, Serial No. 603,081

3 Claims. (Cl. 18-12)

1. In a plastic extruder, a cylinder having a longitudinal bore through which material to be plasticized is adapted to pass and a series of ducts

in spaced relation surrounding said bore, adapted for passage therethrough of cylinder cooling media; each of said discs having walls converging substantially to intersection towards the axis of

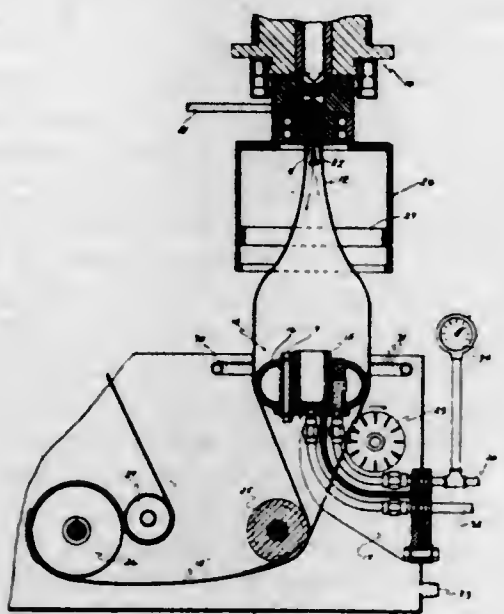


said bore, and a series of heating members on the cylinder and in spaced relation therealong; the zones of the ducts being respectively between the respective zones of successive heating members.

2,433,937

MACHINE FOR MAKING SHEETS OF EXTRUDED PLASTICS

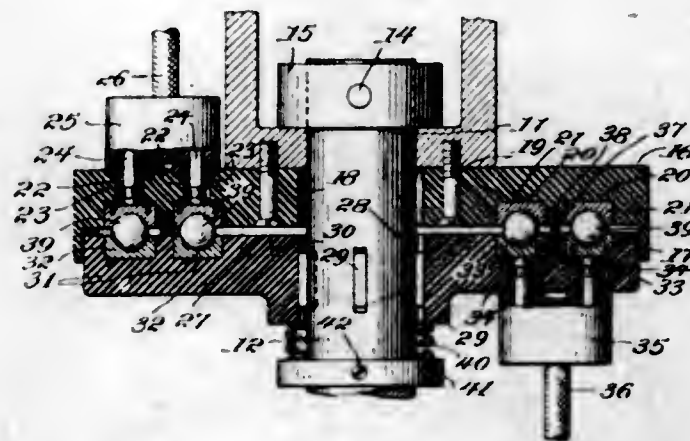
Henning T. Tornberg, Ridgewood, N. J., assignor to Modern Plastic Machinery Corporation, Wilmington, Del., a corporation of Delaware
Application October 25, 1945, Serial No. 624,384
8 Claims. (Cl. 18-14)



1. In a plastic extrusion machine, the combination of a die adapted for the extrusion of a plastic mass in the form of a tube of comparatively small peripheral cross section, a ring-shaped tube of comparatively large peripheral cross section and of stretchable material, mounted near the die and in the path of the tube being extruded; the line of said path intersecting the plane of said large cross section and said ring tube being adapted to receive the extruded tube over it where-by said ring tube is positioned within the interior of the extruded tube and in peripheral contact therewith, and means for admitting a supply of medium under pressure into the ring tube where-by it may assume different peripheral cross-sectional sizes.

2,433,938 ELECTRICAL CONNECTION FOR CRANE HOOKS

Eldred L. Varner, Cochranville, Pa.
Application November 17, 1943, Serial No. 510,675
1 Claim. (Cl. 173-324)



An electrical connection, comprising a movable supporting member, a rotatable supporting member carried thereby, a circular plate made of insulating material secured to the movable supporting member and loosely surrounding the rotatable member, an annular flange projecting from the lower margin of the plate, contact rings mounted in the bottom face of the plate, means for connecting conducting wires with the rings, a complementary shaped plate disposed in face to face relation with and below the first mentioned plate within the annular flange, contact rings in the top face of the lower plate in corresponding relation with the rings in the upper plate, a plurality of spherical shaped contact elements interposed between the rings of the plates, plug engaging socket contacts connected with the rings of the first said plate and said complementary shaped plate, and adapted to receive prongs of plugs that extend outwardly of said plates in opposite directions therefrom, at right angles thereto, means for mounting the lower plate on the rotatable supporting member against rotation and vertically movable thereon, and spring means for forcing the lower plate towards the first mentioned plate.

2,433,939

FLUORESCENT-DYED CELLULOSE ACETATE FABRIC

George C. Ward and Victor S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 4, 1942, Serial No. 464,514
1 Claim. (Cl. 8-57)

Cellulose acetate fabrics colored with dyestuffs which fluoresce under the excitation of ultra-violet light and which are fast to washing, said dyestuffs comprising the reduction product of 6-chlor-2:4-dinitro-benzene-azo-2'-acetylamin-4'-di-hydroxyethyl-aniline with a sulfoxylate formaldehyde of alkaline reaction.

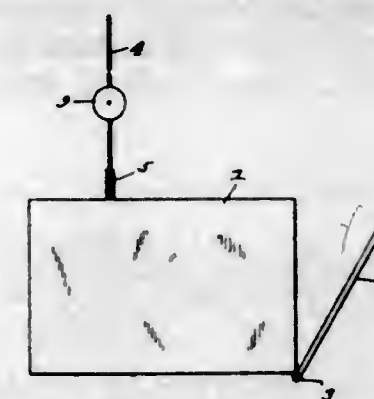
2,433,940

MAILBOX SIGNAL

Harley M. Weaver, McClure, Ohio, assignor of thirty-three per cent to Carrol H. Weaver, Toledo, Ohio, and thirty-three per cent to Maynard A. Weaver, Cleveland, Ohio
Application July 25, 1945, Serial No. 607,021
2 Claims. (Cl. 232-35)

2. In combination with a mail box having a pivoted closure, a bracket secured to said mail box, a coil spring supported on said bracket, a sig-

nal rod mounted in the outer end of said spring, an indicator on said rod, means comprising a screw threaded upwardly through said bracket varying distances into the lower portion of said

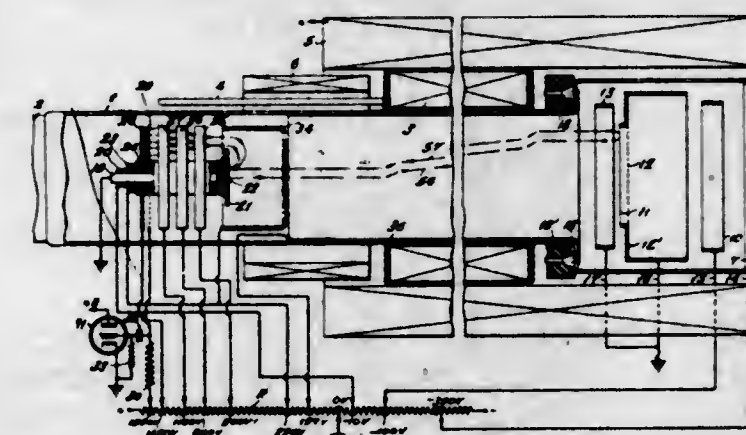


spring for varying the effective flexibility of said spring, and said rod being adapted to be moved laterally by flexing said spring to have its outer end locked by said pivoted closure.

2,433,941

TELEVISION TRANSMITTING TUBE

Paul K. Welmer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 16, 1944, Serial No. 554,494
11 Claims. (Cl. 250-150)



1. A television tube comprising an envelope containing a cathode beam gun, a target, said gun having an anode with an aperture through which electrons of said beam are adapted to be projected from the gun toward said target and returned toward the gun with suitable velocity for producing secondary electron emission, said anode having a surface facing said target constituting a first dynode for returning electrons, a second dynode adapted to be bombarded by the secondary electrons emitted by the first dynode, and a collector electrode for the secondary electrons emitted by the second dynode, both said second dynode and collector electrode being symmetrically disposed about said anode and both being farther away from said target than said first dynode.

2,433,942

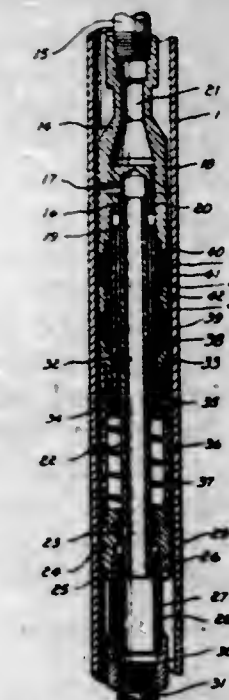
FLOW DEVICE

Madden T. Works, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex., a corporation of Texas
Application October 11, 1943, Serial No. 505,782
6 Claims. (Cl. 166-2)

1. A flow device comprising an elongated structure having two oppositely disposed endwise openings and two axially spaced lateral openings and independent longitudinally extending passageways each passageway connecting one of said endwise openings with the lateral opening most remote therefrom, said structure including two

606 O. G.-7

relatively movable parts, and sealing means carried by said structure between said spaced lateral openings and between said endwise openings and

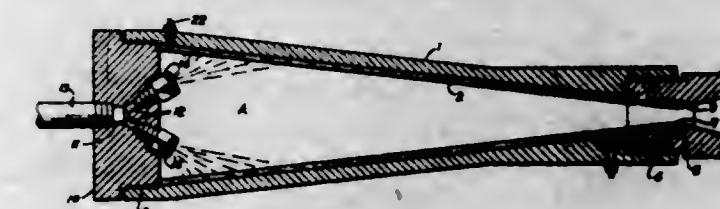


engageable by said parts for actuation to sealing position for forming a seal about said structure within a well casing.

2,433,943

OPERATION OF JET PROPULSION MOTORS WITH NITROPARAFFIN

Fritz Zwicky, Pasadena, Frederick J. Ewing, Altadena, James M. Carter, Highway Highlands, and Arthur J. Stosiek, Pasadena, Calif., assignors to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application March 11, 1944, Serial No. 526,064
12 Claims. (Cl. 60-35.6)

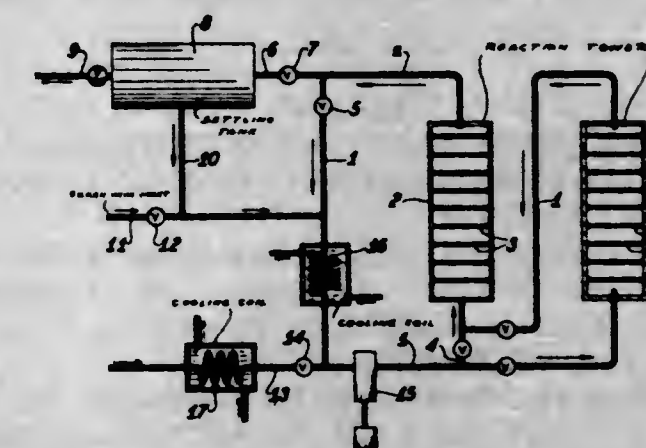


6. A method of developing thrust in a jet motor having a combustion chamber and an exhaust nozzle, which comprises combusting nitromethane by a catalyst in such chamber.

2,433,944

METHOD FOR CONTINUOUSLY REACTING SATURATED TERTIARY HYDROCARBONS AND OLEFINS

Arthur A. Draeger and Charles T. Shewell, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 5, 1938, Serial No. 238,966
1 Claim. (Cl. 260-683.4)



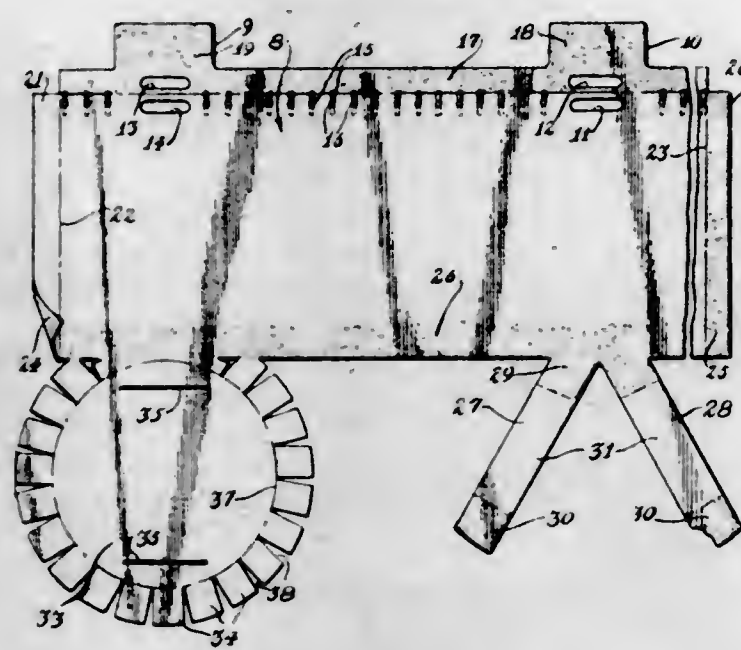
In the continuous alkylation of isoparaffin hydrocarbons by reaction with olefin hydrocar-

bons in the presence of a liquid alkylation catalyst of greater density than the hydrocarbons undergoing treatment, the steps comprising continuously introducing feed hydrocarbons and catalyst to a vertical reaction vessel, continuously withdrawing from the upper portion of said vessel a stream of mixed catalyst and hydrocarbons including alkylated hydrocarbons, diverting at least a substantial portion of the withdrawn stream, recycling said diverted portion to the lower portion of said reaction vessel in such amount and under such velocity of flow as to impart substantial agitation to the fluid contents of said vessel, passing the non-diverted portion of said stream to a settling vessel, effecting separation in said vessel between alkylated hydrocarbons and catalyst, separately discharging the alkylated hydrocarbons and catalyst from the separating vessel, and recycling at least a portion of said discharged catalyst to the reaction vessel.

2,433,945

GARBAGE CAN LINER

Julius C. Foreman, Chicago, Ill.

Application October 22, 1946, Serial No. 704,847
5 Claims. (Cl. 220-65)

1. A garbage can liner comprising, a paper body having an open and reinforced top portion provided with slotted portion for the hands to engage for assembly to and removal from a garbage can, a longitudinal lock-seam reinforcing the said body, a liner bottom portion having tab portions secured internally of the said body at the bottom portion thereof and provided with two slotted portions, a pair of strap portions formed integrally with the bottom portion of the said body and interlaced through the said slotted portions to reinforce the said liner bottom portion, and a series of hanging hooks confined by the said reinforced top portion exposing hanging portions of the said hooks adapted to rest on the top edge of a garbage can when in assembly therewith.

2,433,946

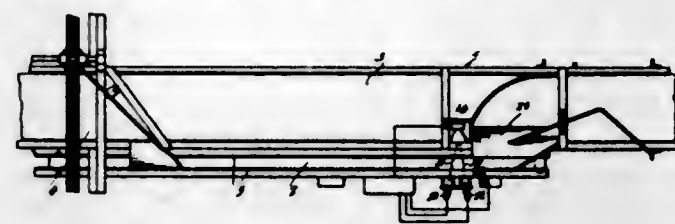
PHOTOELECTRICALLY CONTROLLED APPARATUS FOR GRADING PEARS ACCORDING TO LENGTH

Marvin B. Gause, Yakima, and Ethel O. Burling, Vancouver, Wash., assignors to California Packing Corporation, San Francisco, Calif., a corporation of New York

Application October 27, 1942, Serial No. 463,524
1 Claim. (Cl. 209-82)

In an apparatus for grading pears as to length which includes, a conveyor of the continuously moving type, the conveyor having a transversely

concave pear supporting surface, side flanges for the conveyor having convex shoulders extending above the conveyor surface whereby the pears moved with said conveyor will be positioned with their large ends foremost, a pair of light sources spaced apart and positioned to direct spaced light beams over the conveyor at an angle approximating the angle of the longitudinal axis of the pears

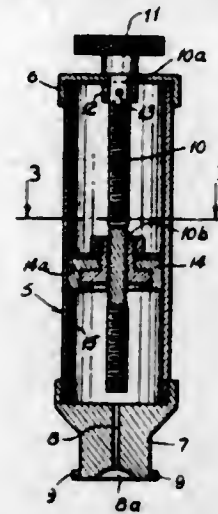


positioned on the conveyor, a discharge gate, a photoelectric cell having a light tube into which the light beams are directed, means operatively connecting the photoelectric cell and the gate whereby a pear of an axial length sufficient to intercept both light beams causes said cell to actuate the gate to a position over the conveyor to discharge the said long pear therefrom.

2,433,947

DEHORNING PASTE APPLICATOR

Oscar Gereke, Stockett, Mont.

Application May 8, 1946, Serial No. 668,057
1 Claim. (Cl. 128-235)

In a device of the kind described and wherein is embodied a cylinder for holding a dehorning paste, an applicator tip for removably mounting upon the lower end of the cylinder, said tip being pierced axially by a duct ending outwardly in a concaved cup of relatively reduced diameter adapted for seating over the horn button of a calf, the outer end of said tip being provided with laterally extended and diametrically opposed locking studs, an auxiliary applicator tip in the form of a ring adapted at its inner end to fit over the first mentioned applicator tip and being formed upon its opposite inner walls with bayonet grooves for lockingly receiving and holding the said locking studs of the applicator tip, the outer end of said auxiliary ring being formed with a larger concaved cup for seating over a larger horn button of a calf, a closure cap of cupped formation and dimensioned to fit over the said first mentioned applicator tip, the said closure cap being slotted oppositely upon the inner faces of its annular walls for lockingly engaging the said locking studs of the first mentioned applicator tip.

2,433,948

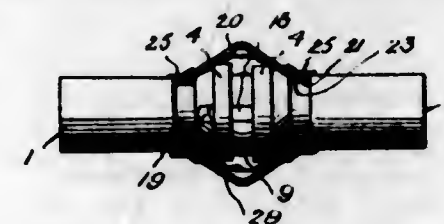
UNIVERSAL JOINT

Frederick C. Good, Philadelphia, Pa.

Application August 20, 1943, Serial No. 499,311
2 Claims. (Cl. 64-16)

1. A universal joint comprising: a pair of cylindrical couplers; a ball; a pair of clips adjust-

ably connecting the ball to the couplers; and a flexible cover for said ball; each of said couplers consisting of a cylindrical tube having a circumferential groove receiving the ends of one clip and a head provided with a concavity in the front face thereof, said ball seated in the concavities of said heads and provided with intersecting circular grooves; each of said clips consisting of

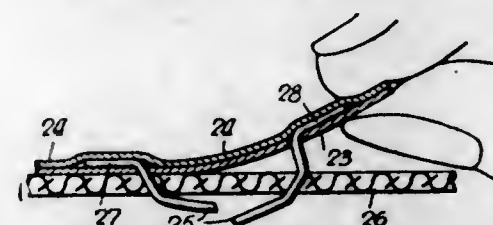


paralleling prongs attachably and detachably connected to the head of one of said couplers and having a yoke portion seated in one of the grooves of said ball; said flexible covering enclosing said heads and said ball and having interiorly arranged lubrication splashing ribs and further having beads seated in the grooves of said cylinder and abutting the clip ends therein, and split rings for holding the ribs in said grooves.

2,433,949

READILY REMOVABLE TICKET

Milton Helmlich, Larchmont, N. Y., and Floyd H. Ogden, Arlington, Mass.

Application May 3, 1944, Serial No. 533,986
5 Claims. (Cl. 40-20)

1. The combination with a piece of fabric, of a readily-removable ticket comprising two superposed adhesively united layers of sheet material, a flexible attaching element securing said ticket to the fabric, the medial portion of said element forming a loop lying beneath the top surface of the fabric upon which the layers of sheet material are superposed while the end portions thereof extend out from the fabric in the direction of and through the inner-layer of sheet material into sandwiched relation between said layers, said attaching element comprising a material of tensile strength sufficiently low to achieve severance thereof by merely jerking said ticket from the fabric.

2,433,950

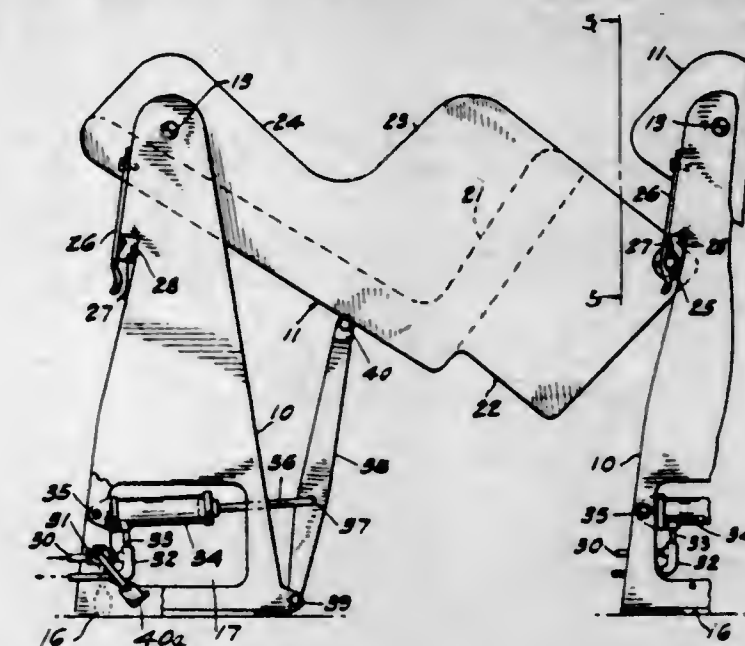
CRASH SEAT FOR HIGH-SPEED CONVEYANCES

Donald Henderson, North Hollywood, Calif.

Application May 25, 1945, Serial No. 595,817
7 Claims. (Cl. 155-9)

5. In a structure of the kind described, a pair of twin chair supports attached to the floor of a conveyance in an upstanding, spaced apart position, a chair proper occupying the space between said supports and having its upper part pivotally connected to each of them, there being normally an unobstructed space in advance of the chair so that the chair is swingable in the direction of travel of the conveyance, a latch member carried by said chair, means positioned in the conveyance in advance of said chair in the path of its swing to engage and releasably support said chair when it swings forwardly as a result of the action of its inertia whenever a sudden retarda-

tion of the speed of the conveyance occurs, said means including a catch to cooperate with said latch means; and means to accelerate the inertia-impelled forward swing of the chair proper, the latter means comprising a bar transversely engaging the back of the chair, a lever for each support, each having a lower end portion pivoted to its respective support of said pair of supports and an upper end portion connected with the

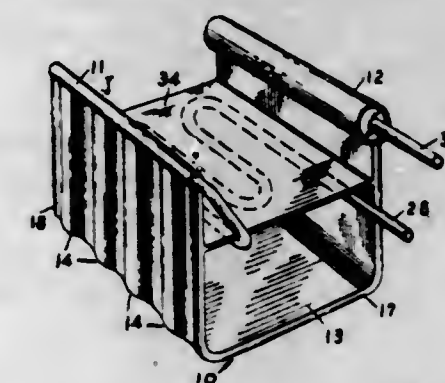


end portion of said bar at its side of the chair, piston means including a piston rod carried by each support, said piston rod being pivoted to said lever, a valve-controlled fluid pressure supply for operating the piston of said piston rod, and means mounted upon the conveyance and including a pendulum actuated by sudden retardation of the speed of the conveyance to open the valve of said fluid pressure supply, said pendulum being connected to said valve.

2,433,951

REFRIGERATOR EVAPORATOR

Charles E. Hickman, Adrian, Mich.

Application May 18, 1946, Serial No. 670,742
18 Claims. (Cl. 62-126)

1. In an evaporator of the type in which the main body is formed by a unitary plate having a plurality of conduits formed therein, each end of each conduit being in communication with a header, the improvement which comprises: a flat surface extending across the width of said unitary plate, a header having a flat face engaging said flat surface, said flat surface and flat face being brazed together, the header having a groove adapted to hold brazing material prior to the brazing operation.

2,433,952

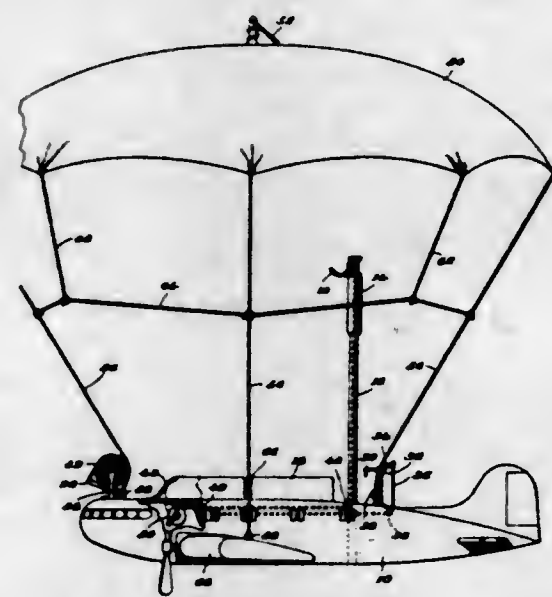
SAFETY PARACHUTE

Samuel J. Hines, Alexandria, La.

Application October 23, 1943, Serial No. 507,421
2 Claims. (Cl. 244-139)

1. In an aircraft, the combination of a box open at its top with a normally folded parachute

in said box, lines connecting the parachute with the aircraft, a vertical shaft mounted on the aircraft adjacent the box between the connecting lines remote from said box, a sleeve having a hook member vertically movable on the upstanding shaft, an eye carried by the upper outer face of said parachute in engagement with the hook, a spring biased curtain normally closing the open top of said box extending longitudinally of said airplane, a shaft having diametrically opposed hook means thereon for releasably holding said

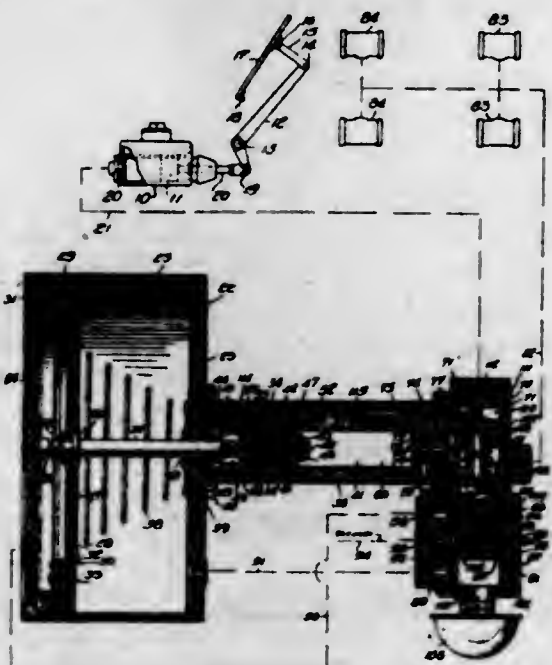


curtain in closed position and a pull line operatively connected with said sleeve whereby the parachute is raised vertically until partly unfolded and the air continues the upward movement of the parachute and lifts it from the hook a cutout portion in the end of said curtain to receive said shaft and permit movement of the sleeve on said shaft and a rod in the end of the curtain conforming to the shape of said cutout and providing means for receiving said hook means for holding said curtain.

2,433,953

PRESSURE BOOSTER FOR HYDRAULIC BRAKE SYSTEMS

Jeannot G. Ingres, Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application April 12, 1943, Serial No. 482,776
6 Claims. (Cl. 60—54.5)

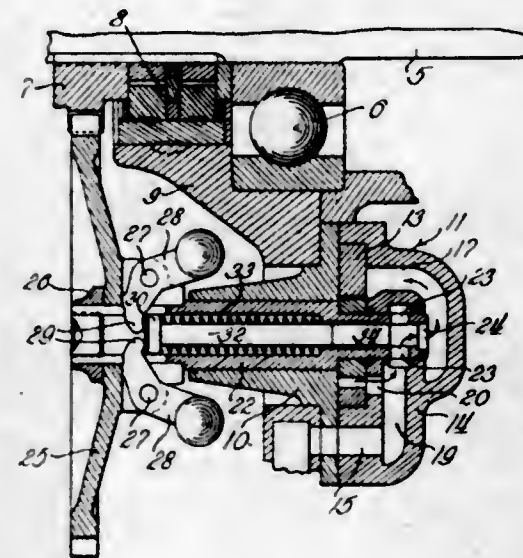


1. A brake operating mechanism for a hydraulic vehicle brake system having hydraulic brake cylinders for the vehicle wheels, comprising a master cylinder having a pedal-controlled piston therein, a conduit having one end in communi-

cation with the master cylinder, a power operated mechanism comprising a motor and a cylinder, a plunger connected to the motor and reciprocable in the last named cylinder, one end of said last named cylinder constituting a pressure chamber, a control valve mechanism for said motor carried by said second named cylinder and comprising a valve housing, a valve therein movable to control energization of said motor, a pair of plungers of different areas connected to each other and to said valve and operable in said valve housing, the space between said pair of plungers forming a passage communicating between said pressure chamber and with the wheel cylinders, one end of said valve housing being connected to the other end of said conduit whereby the adjacent plunger of said pair will be subjected to master cylinder pressures, the pressures in the space between the plungers of said pair acting oppositely thereagainst whereby the net effective pressure opposes the master cylinder pressure.

2,433,954

FLUID PUMP AND CONTROL THEREFOR
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application January 20, 1944, Serial No. 519,049
3 Claims. (Cl. 103—41)



1. A fluid pump consisting of rotating gear members, a suction port and a discharge port for said pump, both located on the same side of said gear members, a shaft for driving said gear members, said shaft projecting beyond said gear members and having a passageway therethrough on the port side thereof providing communication between said ports, a plunger mounted for axial movement in said shaft and normally held in position to maintain said passageway open, and speed responsive means on said shaft for shifting said plunger axially to close said passageway when said shaft is driven above a predetermined minimum speed.

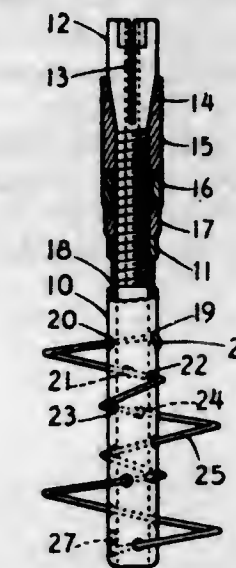
2,433,955

PARAFFIN SCRAPER

Robert E. Meynig, La Porte, Tex.
Application November 13, 1944, Serial No. 563,276
5 Claims. (Cl. 166—18)

1. A scraper adapted to be secured to a wire line or the like and moved thereby through a well tubing to remove paraffin and similar deposits from said tubing, characterized by an elongated body, a plurality of substantially transverse apertures extending through said body and longi-

tudinally and circumferentially spaced therein, and a continuous length of wire threaded through



said apertures to form loops extending outwardly from said body.

2,433,956

LIGATION INSTRUMENT

William J. Miller, Glendale, Calif., assignor to The Deutsch Company, Los Angeles, Calif., a partnership
Application November 15, 1946, Serial No. 710,161
3 Claims. (Cl. 128—326)

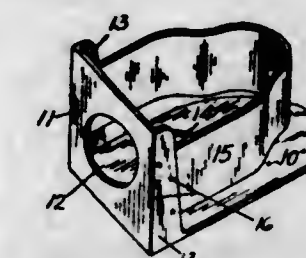


1. A ligating device comprising an inner tubular member, an outer tubular member, an intermediate tubular member, said members being disposed in concentric relation and forming a shank structure, a first pair of pivotally mounted fingers at one end of the intermediate tubular member, a second pair of pivotally mounted fingers at one end of the inner tubular member, said fingers having their free ends arranged for engaging and supporting a ligature, a connection between the outer tubular member and said first pair of fingers operative to open and close them upon relative movements of the outer and intermediate tubular members, means operable to open and close said second pair of fingers in response to relative movements of the inner and intermediate tubular members, and means at the other ends of said tubular members for effecting relative movements therebetween to actuate said fingers.

2,433,957

HANDLING HOLDER FOR OPENING EGGS

James H. Millholland, Philadelphia, Pa.
Application February 7, 1945, Serial No. 576,611
2 Claims. (Cl. 65—22)



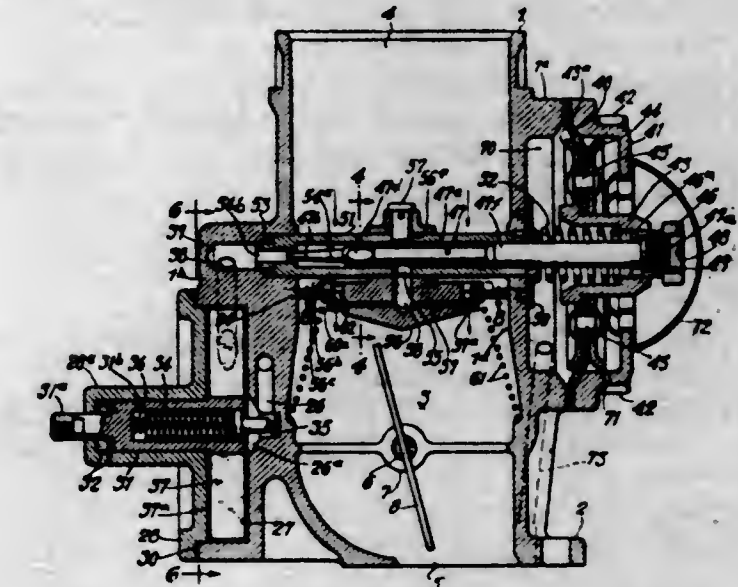
1. A handling holder for opening eggs comprising an egg-supporting plate having an angular apertured extension adapted to receive the protruding end of an egg, and a flexible U-shaped presser strap extending rearwardly from said an-

gular extension yieldable to hand-pinching pressure, adapted to press an egg enclosed by said strap into end-protruding position in said angular extension aperture; said egg-supporting plate having an egg-dislodging finger-aperture rearward of said angular extension.

2,433,958

APPARATUS FOR SUPPLYING LIQUID FUEL AND AIR TO VARIABLE-SPEED INTERNAL-COMBUSTION ENGINES

Herman G. Rausenberger, Yonkers, N. Y., assignor of one-half to Howard Murphy, Glen Ridge, N. J.
Application November 6, 1943, Serial No. 509,189
32 Claims. (Cl. 123—119)

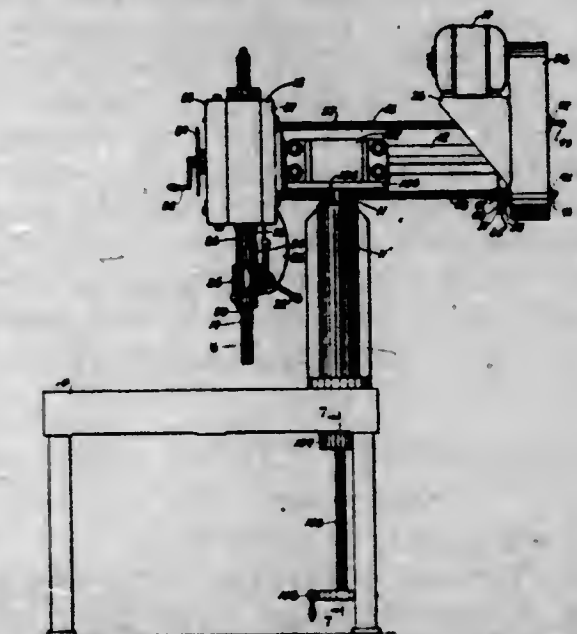


1. In a device for supplying liquid fuel and air to an internal combustion engine, a fuel discharge orifice, means for altering the effective area of said orifice in direct ratio to absolute engine intake pressure, and a centrifugal pump adapted to supply fuel to the inlet of said orifice at a pressure proportional to the square of the engine speed, the arrangement being such that said last-mentioned pressure is substantially wholly dissipated in imparting velocity to the fuel discharged through said orifice.

2,433,959

STUD DRIVING MACHINE

Lorin R. Runkle, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application July 29, 1944, Serial No. 547,221
5 Claims. (Cl. 81—57)



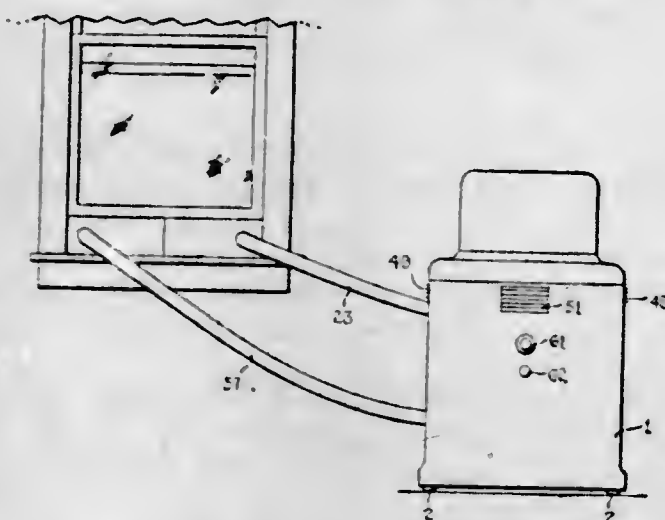
5. In a stud driving machine, in combination, a stud driving member having a splined shaft, a pair of driving shafts, a bevel gear on each of said driving shafts, a pair of bevel gears on the

splined shaft meshing with opposite sides of one of said first gears, a third bevel gear on the splined shaft meshing with the gear on the other driving shaft, clutch means shiftable on the splined shaft for selectively rotating the splined shaft from either of the gears thereon, a shaft having a handle for turning same and provided with eccentrics cooperating with shifter rods provided with shifter means for shifting said clutch means by rotation of said last shaft, means for driving said first mentioned pair of driving shafts, means responsive to the torque applied in driving the stud into place for disconnecting said driving means from one of said driving shafts when the resistance encountered by the stud is greater than the minimum resistance for securing the desired tightness of fit of the stud and for disconnecting said driving means from the other driving shaft when the resistance encountered by the stud exceeds the desired maximum resistance, and indicator means mounted adjacent said handle and having "low load," "high load," "neutral" and "reverse" markings thereon for indicating the setting of the machine.

2,433,960

AIR CONDITIONING APPARATUS

Robert S. Sherman, Lynn, Mass.

Application February 13, 1945, Serial No. 577,672
7 Claims. (Cl. 257-3)

1. In air conditioning apparatus, in combination, a refrigerating unit having heat-absorbing elements and heat-developing elements, a first fan means for circulating over the heat-absorbing elements the air being conditioned to effect the condensing of water vapor to liquid water from and the cooling of the said air being conditioned, reservoir means effecting heat-exchanging relation between the said liquid water and the heat-developing elements, a foraminous element within the said reservoir means and submerged in the liquid water therein, a second fan means for circulating over the heat-developing elements and through the foraminous element to evaporate the liquid water within the said reservoir means air drawn from the atmosphere at a location remote from the air being conditioned and for discharging such circulated air thus water-laden into the atmosphere at another location remote from the air being conditioned.

2,433,961

SHAKER CONVEYOR

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 28, 1945, Serial No. 637,645
9 Claims. (Cl. 198-220)

2. An articulated connection for a shaker conveyor trough line including a base, a plurality of

jacks adapted to be interposed between a mine roof and opposite sides of said base, for holding said base stationary on a mine bottom, a plurality of troughs mounted on said base for reciprocal movement with respect thereto and so one may be moved laterally with respect to the other, a plate overlying said base and forming a support means for said troughs and the articulated supporting mechanism therefor, a mounting for said plate on said base connecting said

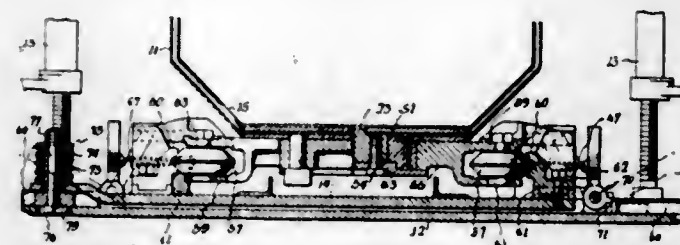


plate to said base for restrained movement with respect to said base in a vertical direction so as to relieve said plate from the bending strains imparted to said base by means of said jacks, to prevent binding of said troughs and the supporting means therefor when said base is bent by jacking down on an uneven mine bottom, and the connection between said base and plate including a pivotal mounting for one side of said plate on said base, and yieldable means engaging the opposite side of said plate.

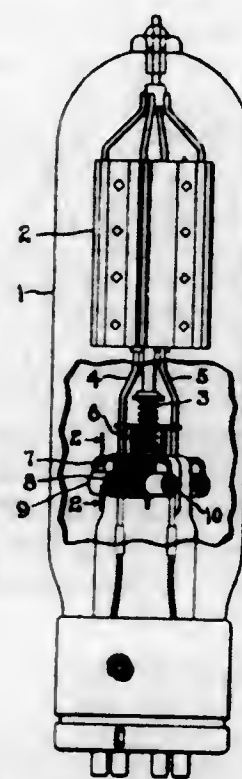
2,433,962

GETTER STRUCTURE FOR ELECTRON DISCHARGE TUBES

Benjamin F. Steiger, Maplewood, N. J., assignor to United Electronics Company, Newark, N. J., a corporation of New Jersey

Original application March 24, 1943, Serial No. 480,283. Divided and this application November 1, 1944, Serial No. 561,349

3 Claims. (Cl. 250-27.5)

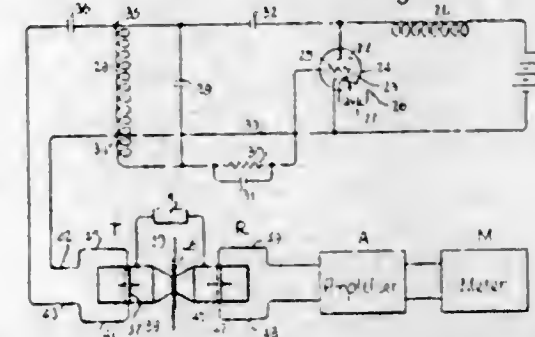


1. A high voltage, vacuum tube comprising a metal rod to which a strip of getter material has been affixed, a cylindrical glass tube open at both ends surrounding said rod and coaxial therewith, and a metal yoke supporting said rod within said glass tube, whereby said yoke and rod constitute a closed circuit for electric currents.

2,433,963

WELD TESTING APPARATUS

John P. Tarbox and Edwin M. Callender, Philadelphia, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

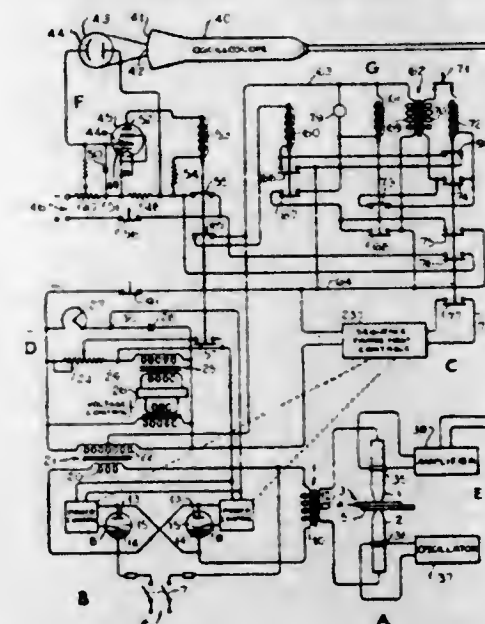
Application July 2, 1943, Serial No. 493,256
14 Claims. (Cl. 219-4)

1. In apparatus for detecting physical variations in embedded material during the time of said variations, a source of mechanical vibrations, a source of energy flow for securing said vibrations, single means for channelling said vibrations, a source of energy flow for modifying said vibrations through said material, and means for indicating variations in said vibrations during the time of said variations.

2,433,964

WELD INDICATING AND CONTROL APPARATUS

John P. Tarbox, Philadelphia, and Edwin M. Callender, Cynwyd, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 23, 1944, Serial No. 541,706
14 Claims. (Cl. 219-4)

12. In a system for welding, electrodes adapted to engage a workpiece, means for supplying energy to said electrodes throughout a weld cycle in the engaged workpiece, disabling means for terminating the weld cycle, and means for preventing repetition of a welding cycle on occurrence of an abnormal weld.

2,433,965

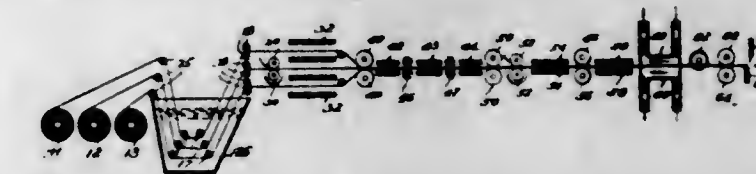
PROCESS AND APPARATUS FOR MAKING LAMINATED BOARD

Charles A. Upson, Lockport, N. Y., assignor to The Upson Company, Lockport, N. Y., a corporation of New York

Application August 23, 1940, Serial No. 353,855
15 Claims. (Cl. 154-46)

1. The continuous process of making a laminated board from a series of sheets of paper-like fibrous material which includes the steps

of impregnating all of said sheets with resinous material, maintaining the impregnated sheets in spaced relation to each other for a substantial time after impregnation, applying a binding coating of thermosetting resinous material to at least one of each two opposed surfaces of said sheets while they are travelling in spaced relation to each other, subjecting all of the binding coatings substantially simultaneously to substantially the same cycle of heating while the sheets are in spaced relation to each other, sufficient to advance the cure of all of said binding coatings substantially simultaneously to a tacky

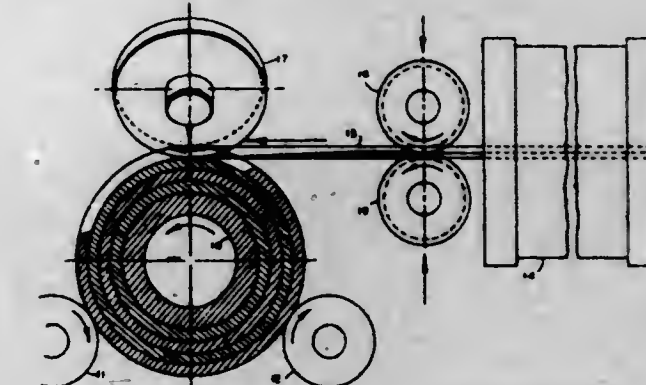


state, then bringing all of said sheets substantially simultaneously into contact with each other while said binding coatings are in said tacky state, pressing said sheets firmly together to cause them to be bound firmly to each other by said binding coatings to form the laminated board, and thereafter subjecting the board to further heat applied substantially symmetrically to both exposed faces of the board, sufficient to complete the thermosetting of the resinous material constituting said binding coatings, all of said steps being carried out while all of said sheets are advancing substantially continuously at a substantially uniform speed of travel.

2,433,966

METHOD OF MAKING TUBULAR MEMBERS BY PROGRESSIVE HELICAL WELDING

Henry P. Van Keuren, deceased, late of Bloomfield, Ohio, by Marie S. Van Keuren, administratrix, Bloomfield, Ohio

Application December 16, 1943, Serial No. 514,554
7 Claims. (Cl. 219-10)

1. Method of making a tubular member characterized by its relatively great radial strength compared to its weight which comprises wrapping a metal tube with a metal ribbon under pressure and progressively resistance welding the ribbon to said tube and to the adjacent previously welded turn of ribbon as the ribbon is wound into place.

2,433,967

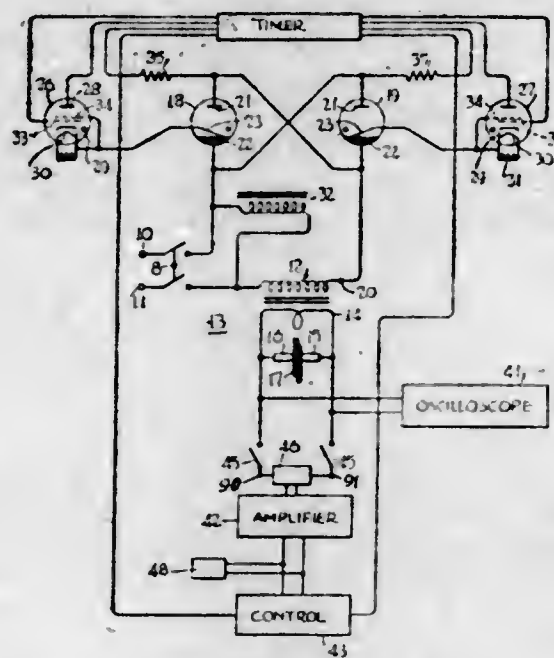
METHOD OF AND APPARATUS FOR WELD CONTROL

Herbert D. Van Sciver, Merion, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 28, 1944, Serial No. 524,243
18 Claims. (Cl. 219-4)

1. A method of weld control for multiple resistance welding, which comprises connecting a workpiece in a welding circuit having welding

energy control means, applying a welding voltage through the workpiece until the heat energy develops such fusion of the material as results in a substantial percentage voltage change at the weld point, translating said percentage voltage

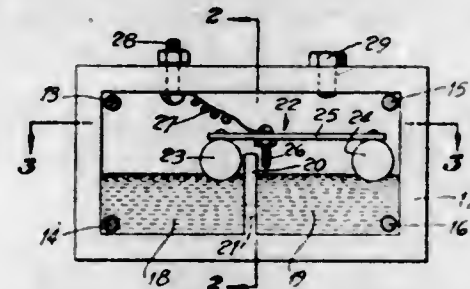


change into a power manifestation, and adjusting the time limit of the energy control means in accordance with the average time period of energy flow for each weld to the point of said power manifestation.

2,433,968

EQUILIBRATED INERTIA SWITCH
Don Carlos Wiseley, Los Angeles, Calif.

Application October 9, 1944, Serial No. 557,791
10 Claims. (Cl. 200—52)



1. In an inertia switch: an elongated receptacle, an electroconductive liquid partly filling said receptacle, a partition arranged generally centrally of the length of the receptacle and so as to divide said liquid into two portions, said partition having a restricted opening through which the liquid can pass, and a member floating on the liquid and including electrical contact means engageable with the liquid adjacent said partition and adapted to be influenced by relative vertical displacement of the surfaces of the two portions of the liquid adjacent the partition due to the force of inertia acting longitudinally of the receptacle.

2,433,969

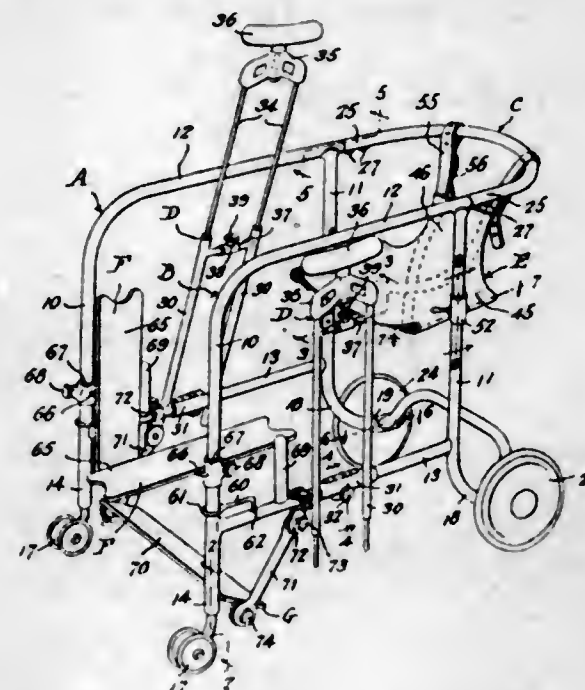
INVALID'S VEHICLE

Chester F. Wood, Stony Brook, N. Y.

Application January 30, 1945, Serial No. 575,326
2 Claims. (Cl. 155—22)

1. In a vehicle for invalids, a knock-down framework of substantially U-shaped formation in plan and comprising a pair of identical laterally spaced vertically disposed rectangular side frame sections each having front and rear uprights and upper and lower horizontal rails permanently connected together, caster rollers at the lower ends of the front uprights, a transverse axle having supporting wheels at the op-

posite ends thereof, means detachably connecting said axle in spanning relation with the lower ends of the rear uprights, a horizontally disposed coupling rail, means detachably securing said coupling rail to the rear ends of the upper horizontal rails of the side frames, a flexible seat



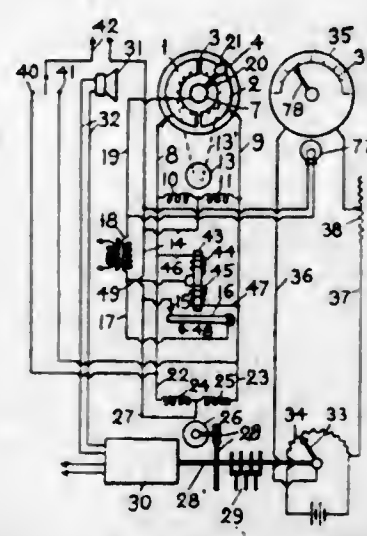
and back rest member, vertically adjustable means for detachably anchoring the opposite sides of the seat portion of said member to and in spanning relation between the rear uprights and adjustable means for detachably anchoring the upper end of the back rest portion of said member to the coupling rail.

2,433,970

ELECTRIC MOTOR FOLLOW-UP SYSTEM

Michel N. Yardeny, New York, N. Y.

Application October 18, 1941, Serial No. 415,544
5 Claims. (Cl. 318—31)



1. In an electrical control apparatus of the follow-up type for placing a useful load in any desired position, the combination of load moving means; load movement controlling means; a reversible load motor included in the load moving means; a reversible pilot motor included in the load movement controlling means and the operation of which affects operation of the load motor, said controlling means including two switch means manually operable in a desired order to cause desired differences in the speed of load movement at different stages of movement of the load toward a then desired stopping position, one of said switch means including two independently movable electrically conductive control elements, one element comprising conductive means having a neutral point, the other element comprising a contact member for engaging the conducting means, one of said elements being arranged to be

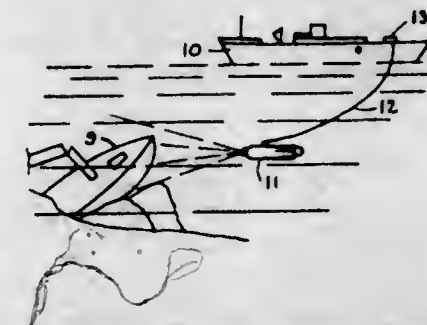
moved by the pilot motor, the other being manually movable; means coacting with the last-mentioned switch means to cause rotation of both motors in one direction or the other in response to the contact member being at one side or the other of the neutral point and to render both motors inoperative for the purposes aforesaid in response to the contact member being at the neutral point; and means responsive to operation of the other switch means for controlling the direction of rotation of the load motor and for rendering the load motor inoperative to move the load, independently of operation of the first-mentioned switch means.

2,433,971

UNDERWATER IMAGE TRANSMITTING APPARATUS

Harold A. Adams, Bakersfield, Calif., assignor of one-tenth to Arthur R. Cassidy, Bakersfield, Calif.

Application February 28, 1944, Serial No. 524,326
3 Claims. (Cl. 178—6.8)



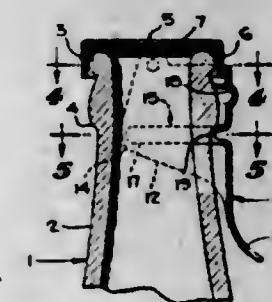
1. A scene illuminating unit; an image pickup device; an amplifying and modulating unit for converting said image pickup into electrical signals; an enclosure housing said illuminating, pickup and electrical signal converting units; a directionally reversible means of propulsion attached to said housing; a vertical travel control mechanism attached to said housing; a horizontal travel control mechanism attached to said housing; a flexible cable of conducting wires attached to said housing, and connected to said illuminating unit, pickup device, electrical signal converting unit, directionally reversible propulsion means, vertical travel control mechanism and horizontal travel control mechanism; a winch for reeling said flexible cable; a collector ring and brush system provided on said winch for connections to said flexible cable; conducting wires connecting at one point to said collector ring and brush system; an image reproducing mechanism, connected to said conducting wires; a control device panel connecting at various points with said conducting wires; a motion picture recording mechanism connected to said conducting wires; a power source connected to said conducting wires; a switching mechanism mounted on said panel controlling said scene illuminating unit and connected to said conducting wires; said power source controlling said pickup device, electrical signal converting unit and image producing mechanism; a switching mechanism mounted on said panel connected to said conducting wires and controlling said means of propulsion; a switching mechanism mounted on said panel connected to said conducting wires and controlling said vertical travel mechanism; a switching mechanism mounted on said panel connected to said conducting wires and controlling said horizontal travel mechanism; a switching mechanism mounted on said panel connected to said conducting wires and controlling said hoisting winch and said flexible cable.

2,433,972

REMOVABLE BOTTLE CLOSURE DEVICE

Axel W. Anderberg, Los Angeles, Calif.

Application August 25, 1947, Serial No. 770,489
2 Claims. (Cl. 215—82)



1. A closure device for bottles provided with a neck portion of circular cross-section having an outer bead adapted for reception of a closure of the "crown" type, and an inner bead spaced from and parallel to said outer bead, which comprises: a cap member provided with a resiliently compressible sealing member adapted for engagement with the outer surface of said outer bead of such bottle neck, and a depending rim portion adapted to fit over said outer bead; a clamping member; pivot means on said rim portion of said cap member and on said clamping member intersecuring said members for pivotal movement of said clamping member into and out of clamping position about said bottle neck; said clamping member being formed of spring-like metal and comprising a skirt portion of such length as to extend downwardly from the position of said pivot means past the position of said inner bead of said bottle, and of such length in a circumferential sense as to encompass in excess of the half-circumference of said bottle neck upon pivotal movement of said clamping member into clamping position; an inwardly directed shoulder on said skirt member positioned to be located in contact with said inner bead at the side thereof removed from said outer bead when said clamping member is in said clamping position, said shoulder being of a circumferential length greater than the half-circumference of said bottle neck at the position of said inner bead, and the end portions of said shoulder being provided with projecting portions adapted to cam over the bottle neck diameter upon movement of said clamping member into said clamping position by resilient outward deformation of said skirt member at the position of said shoulder end portions.

2,433,973

ORIFICE EXCHANGER

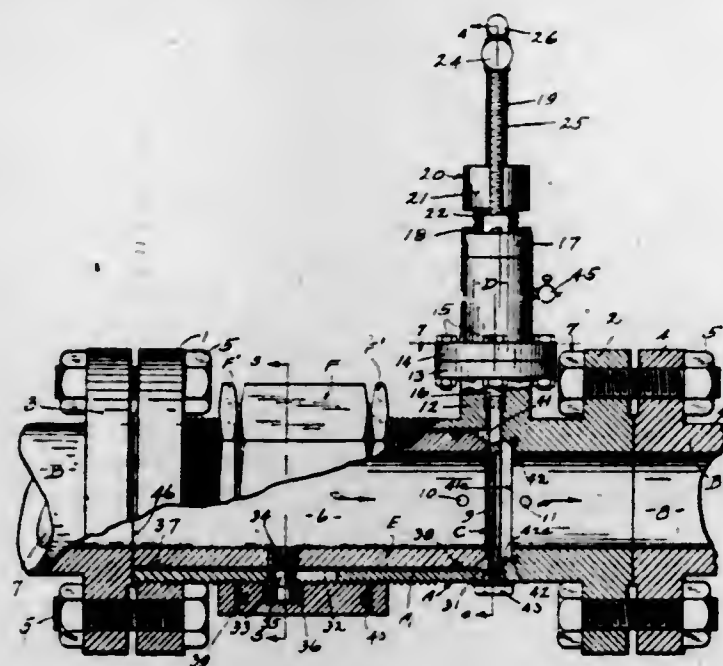
Bert E. Anderson, Los Angeles, Calif.

Application January 31, 1945, Serial No. 575,468
12 Claims. (Cl. 138—44)

1. An orifice plate exchanger comprising: a casing arranged for attachment at its opposite ends with adjacent sections of a pipe line and a longitudinal flow passage extending there-through, a transversely disposed seat being formed between the two sections of the flow passage, a retractable orifice plate adapted to engage and disengage said seat when the plate is manually operated for movement between operative and inoperative positions, a sleeve longitudinally adjustable in the upstream portion of the flow passage and having a passage therein corresponding in area to that of the downstream passage in the casing, and means externally mounted on the casing and operatively connected with

and for adjusting the sleeve relative to the orifice plate, said latter means being concentric with the sleeve.

10. In an orifice plate exchanger having: a cylindrical casing section situated on the upstream portion of the casing; a generally tubular operating member threadedly engaging the exterior of the cylindrical casing section; means



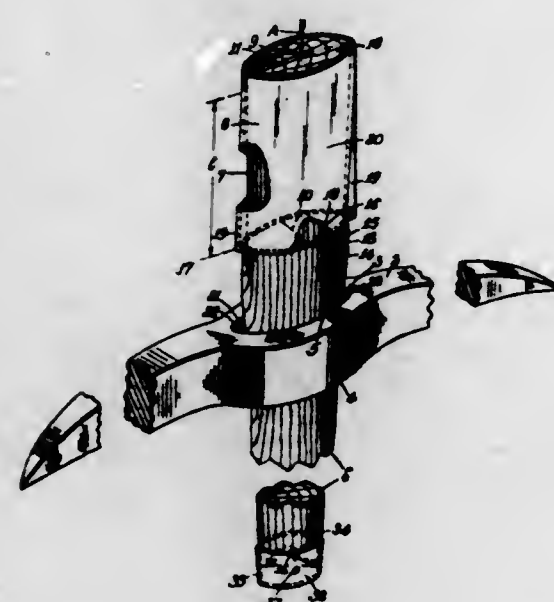
extended through the casing and operatively connecting said operating member with the sleeve whereby the sleeve may be axially slid in the casing for confining the orifice plate in operative position and for sealing the casing against leakage when the orifice plate is inoperatively positioned; and means for locking said tubular operating member in adjusted position.

2,433,974

PICK AND LIKE HANDLES

Montague John Antel, Johannesburg, Transvaal, Union of South Africa

In the Union of South Africa June 23, 1941
Application February 18, 1944, Serial No. 522,971
1 Claim. (Cl. 306—37)

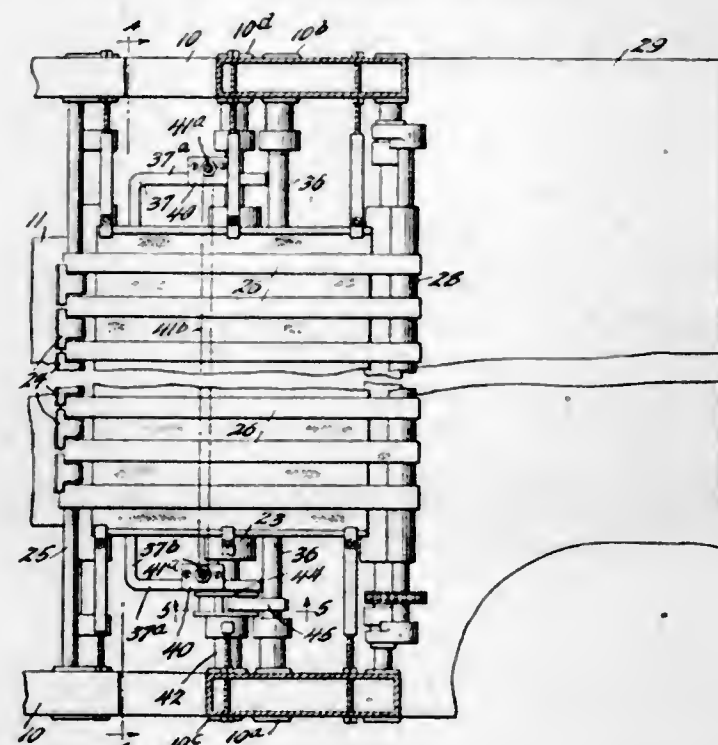


A wood tool handle having a solid and outwardly flared end extending from a waist and a similarly flared tubular ferrule fitting on said flared end and said waist; the cross-section of the flared end and of the ferrule being basically elliptical; the ferrule comprising longitudinally extending folds formed in its wall, said folds being at the ends of the long axis of the elliptical formation and being of progressively varying depth in the direction of the length of the handle.

2,433,975
VIBRATORY CONVEYOR MEANS FOR IRONERS

William J. Asher, Colorado Springs, Colo.
Original application February 23, 1938, Serial No. 192,155. Divided and this application June 30, 1944, Serial No. 542,891

6 Claims. (Cl. 38—8)



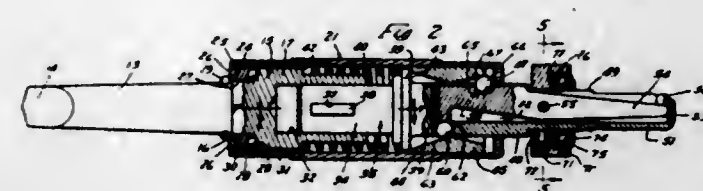
1. In an ironing machine, in combination, a member having an ironing cylinder, an endless apron, guide means for said apron whereby it is caused to move along a first substantially horizontal reach as it approaches the cylinder and to move along a second substantially horizontal reach after leaving the cylinder, a second apron for cooperating with the first apron in the transmission of work to said cylinder, said second apron having one reach overlying and spaced from the second reach of the first apron and mechanism for vibrating the second reach of the first apron and the aforementioned reach of the second apron to dislodge any work tending to cling to the undersurfaces thereof.

2,433,976

CUTTING TOOL

Aldrich C. Babka, Cheyenne, Wyo.
Application July 9, 1946, Serial No. 682,337

1 Claim. (Cl. 77—58)



A cutting tool comprising a shank member, a tool carrier, one end of said tool carrier being slidably mounted within said shank member and held against rotation with respect thereto, the other end of said tool carrier having pivoted within a recess a tool bit rocker with a tool bit integrally formed thereon, a sleeve housing rotatably mounted at its rearward portion on said shank member and held against longitudinal movement with respect thereto, a double cone rigidly secured in the forward portion of said sleeve housing, the cone surfaces of said double cone sloping in opposite directions at predetermined angles, a set of two balls longitudinally spaced from each other, each of said balls riding the corresponding cone surface on one side and engaging said tool bit rocker on the other side there-

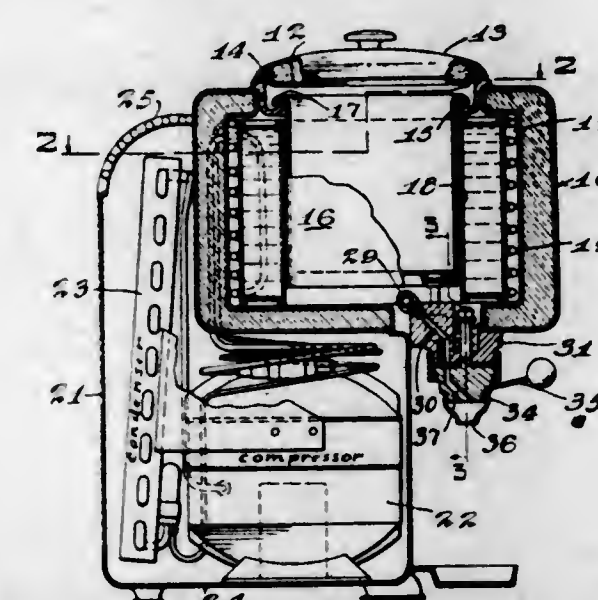
of, a compression spring interposed between said shank member and said tool carrier to normally hold said tool bit in retracted position, a thrust collar mounted on said tool carrier for engaging the face of a workpiece and causing said tool bit to be rocked into cutting position by stopping the forward movement of said tool carrier while the shank member, the sleeve housing and the double cone continue in their forward movement against the action of said compression spring.

2,433,977

LIQUID COOLING APPARATUS

George K. Bently, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana

Application July 11, 1945, Serial No. 604,314
1 Claim. (Cl. 62—141)



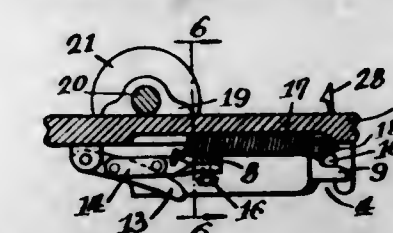
In a liquid cooling apparatus, a refrigerating system of the type including a compressor, a condenser and an evaporator; a hollow casing substantially L-shaped in vertical section defining a chamber and a shelf like seat, one portion of the chamber being of greater vertical dimension than the remainder of the chamber, and the cross-sectional area of the said one portion of the chamber taken on a horizontal plane being of lesser dimension than the cross-sectional area of the remainder of the chamber, said compressor and condenser being positioned in the hollow casing, the condenser being located mainly within said one portion of the chamber and the compressor being located mainly within the remainder of the chamber; an insulated shell forming a liquid cooling chamber supported upon the shelf like seat of the casing, said insulated shell having a portion extending outwardly from and in overhanging relation to said remainder of the chamber, said insulated shell containing the evaporator of the refrigerating system.

2,433,978

PORTABLE MOTOR BASE

Gerard Bergeron, Wotton, Quebec, Canada
Application July 30, 1946, Serial No. 687,107

In Canada August 3, 1945
7 Claims. (Cl. 248—19)



1. A portable base for a motor comprising a pair of spaced frame members, a plate mounted thereon, said frame members being notched from

their lower edges to receive an anchor bar, a pair of slides in said frame members having ends adapted to cover said notches partially at a distance from their upper ends, thereby leaving enclosed openings for confining the anchor bar, and means for sliding said slides.

2,433,979

METHODS OF PREPARING α -AMINO ACIDS AND N-SUBSTITUTED- α -AMINO ACIDS

John H. Billman, Bloomington, Ind.

No Drawing. Application October 5, 1945,
Serial No. 620,643

16 Claims. (Cl. 260—531)

1. The method of producing a composition selected from the class consisting of α -amino acids and N-substituted- α -amino acids, which comprises treating a lower β -amino alkanol with an aldehyde of the class consisting of acetaldehyde and benzaldehyde, and oxidizing the methylol group of the resulting N-substituted- β -amino alkanol to a carboxyl group by treating said last-named alkanol with potassium permanganate in an alkaline medium.

2,433,980

COUPLING FOR CABLES

Leslie Giddens Brazier and Douglas Taft Hollingsworth, London, England, assignors, by mesne assignments, to British Insulated Cables Limited, London, England, a company of Great Britain

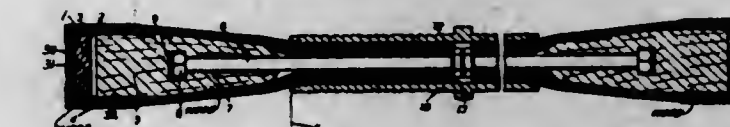
Application May 16, 1944, Serial No. 535,802

In Great Britain April 30, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires April 30, 1963

6 Claims. (Cl. 174—94)



1. A method of making a cable joint using a coupling of the compressed sleeve type for the conductor of an electric cable of the kind in which the wires form a hollow cylinder round a separate centre part, comprising inserting a conoidal filling block with a rod extending axially therefrom in the space within the wires, closing the wires down round the block and rod to lie closely on the rod with the diameter over the wires substantially smaller than in the cable, drawing the block endwise into position by manipulating an end of the rod which projects beyond the ends of the wires, applying the coupling sleeve over the wires and rod up to the neighbourhood of the end of the block but not over the block and compressing the said sleeve and thereby consolidating the bunched wires and causing them to grip and hold the rod.

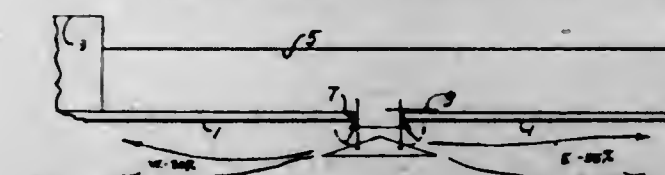
2,433,981

VENTILATING AIR DISTRIBUTOR

Everett S. Buck, Fort Wayne, Ind.

Application April 22, 1944, Serial No. 532,371

11 Claims. (Cl. 98—40)



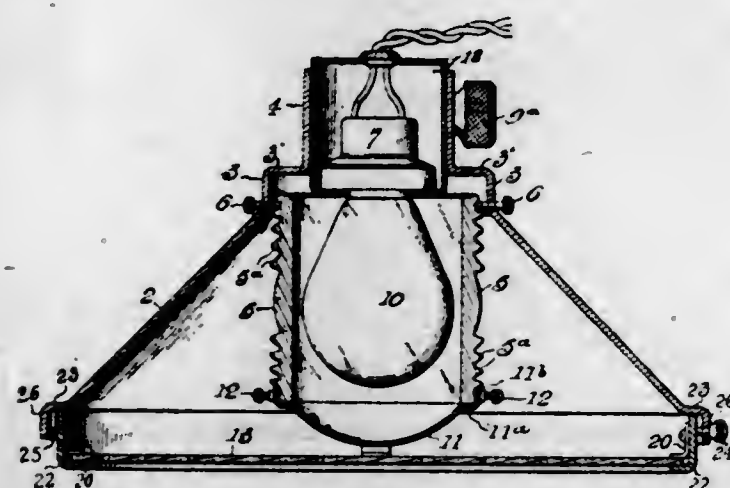
1. In an air outlet fitting adapted to be applied to an air duct neck having an outlet, the

combination of a stationary support mounted adjacent to said duct neck and having a lower edge, a distributor in the form of a pyramid having lateral faces, means for adjustably mounting said distributor on said support, transversely and in spaced relation with respect to said duct neck outlet, and a plurality of dampers mounted for pivoting about one edge on the lower edge of said support for movement toward and away from the lateral faces of said distributor, said dampers completely surrounding said duct neck.

2,433,982

LAMP STRUCTURE

Clarence W. Clarkson, Jr., Washington, D. C.,
and Edward J. Krok, Chicago, Ill.
Application October 27, 1944, Serial No. 560,612
1 Claim. (Cl. 240-1.4)



A lamp structure comprising a reflector housing having a cylindrical sleeve portion and a conical reflector portion, a cylindrical housing adjustably mounted in the sleeve; an annular flange extending from the sleeve portion at substantially right angles thereto, and a second flange depending substantially perpendicularly therefrom, the conical reflector portion extending divergently from the second flange, means for slidably adjusting the housing in the sleeve, a light socket mounted in the housing, a lamp mounted in the socket, a tubular Fresnel lens enclosing the lamp, a series of screws threadedly mounted in the second flange and extending therethrough in engagement with the Fresnel lens for holding the lens in position, an opaque cap closing the lens, means for securing the cap to the lens, the said conical reflector portion terminating in an annular shoulder having a flange depending therefrom to form an annular wall, an annular closure member for the conical reflector positioned in the wall, a heat-absorbing and color-corrective glass removably mounted in the annular closure member for closing the annulus thereof, a connection between the annular closure member and the wall, and a securing screw threadedly mounted in the wall and extending therethrough in engagement with the annular closure member in diametrically opposite relation to the said connection for holding the closure member in closing position against the shoulder for closing the conical reflector portion.

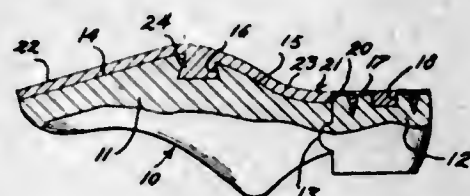
2,433,983

SHOE LAST

Anthony Crepezzi, Ozone Park, N. Y.
Application September 17, 1946, Serial No. 697,506
4 Claims. (Cl. 12-136)

1. A shoe last comprising a last body having a transverse dove-tail groove extending across

its sole portion, a sole plate of penetrable material covering said sole portion of the last and

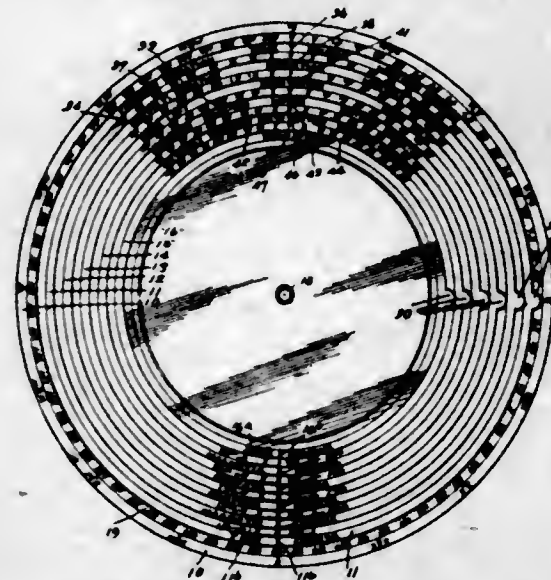


a dove-tail rib on the sole plate in the dove-tail groove to hold the sole plate on the last.

2,433,984

NAVIGATION INSTRUMENT

George T. De Vries, Kesley, Iowa
Application June 8, 1945, Serial No. 598,362
3 Claims. (Cl. 235-78)



1. A navigation instrument comprising a base member of disc form having concentrically arranged circular scales thereon including an outer true course scale, an inner true course scale, a magnetic course scale, a compass course scale and a compass heading scale arranged in that order inwardly of said base member, with all of said scales being graduated in 360 equal divisions and the numbering in all of said scales being increased in the same direction and the zero degree marking for said outer true course scale being 180° from the zero degree markings for the remaining ones of said scales, a stack of relatively rotatable discs of progressively decreasing diameter rotatably supported in a concentric relation on said base member with the smallest diameter disc on the top of said stack, with said stacked discs having arcuate slots therein adjacent one side having their longitudinal centers indicated by corresponding pointer marks, said arcuate slots being concentrically arranged in a direction inwardly of the base member so that a slot is positioned for movement about and above a corresponding one of said remaining scales, and said discs below said top disc having at their opposite side equally spaced angular divisions with a zero marking located 180° from the pointer markings thereon, with the spaced angular divisions on the lowermost one of said discs indicating variation, the spaced angular divisions on the next adjacent disc indicating deviation, and the spaced angular divisions on the second disc above said lowermost disc indicating wind drift.

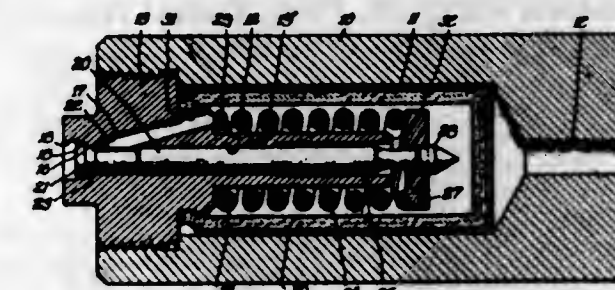
2,433,985

FUEL INJECTOR

Nicholas Fodor, Wilmette, Ill.
Application November 10, 1942, Serial No. 465,147
3 Claims. (Cl. 299-107.6)

1. In a high pressure fuel injector, a nozzle having an axial bore, a second relatively short

axial bore of increased diameter immediately in front of the first bore, a forwardly diverging valve seat between the first bore and the second bore, means for delivering fuel to the first bore, and a third axial bore of still further increased diameter immediately in front of the second bore; a pintle having a stem slidably mounted in the first bore, a head of increased diameter at the front end of the stem, which head is positioned in the second and third bores in but slightly spaced relation to the second bore and substantially spaced relation to the third bore, an annular groove in the stem adjacent the head for receiving the fuel delivered to the first bore,

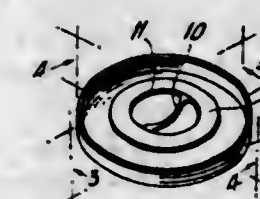


and a forwardly diverging valve between the groove and the head for engagement with the valve seat; said pintle being projected forwardly by periodic pressure on the fuel to unseat the valve and permit discharge of the fuel; and spring means for normally maintaining the pintle in its retracted position with the valve seated; the second bore in the nozzle cooperating with the head on the pintle to provide a restricted annular fuel passage about the head during the first part only of the forward movement of the pintle, and the third bore cooperating with the head to provide a comparatively unrestricted annular fuel passage about the head during the remainder of the forward movement.

2,433,986

BUTTON BACK FOR COVERED BUTTONS

James Reginald Forbes, Melbourne, Victoria,
Australia
Application June 21, 1945, Serial No. 600,773
In Australia June 8, 1944
5 Claims. (Cl. 24-90)

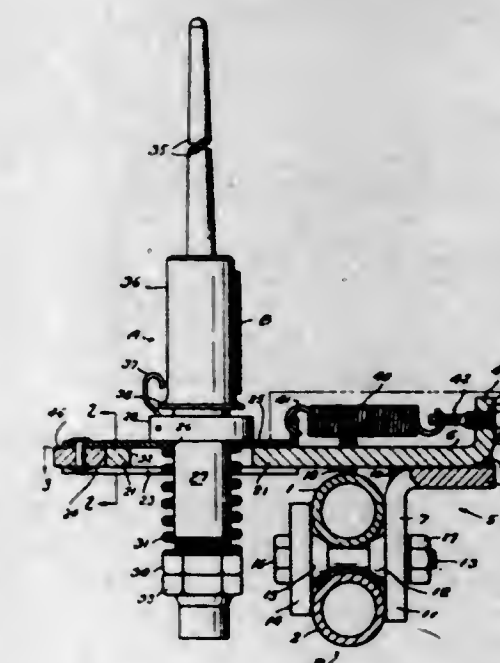


1. The combination with a button back having a centrally located aperture and a peripheral flange adapted to receive a covered or an uncovered button top, of an annular member seated upon the inner side of the button back, said annular member having a flat outer flange larger than said central aperture and adapted to provide a relatively broad surface of contact against the inner surface of the button back, a transverse member integral with and offset from the annular member to extend through and exteriorly of the centrally located aperture for sewing thread engagement, and means cooperating with the transverse member and the button back for retaining the annular member and button back in relative rotative contact.

2,433,987

TEXTILE SPINDLE MOUNTING

Herbert Gleitz, Euclid, and Charles E. Miller,
East Cleveland, Ohio, assignors to The Marquette Metal Products Company, Cleveland,
Ohio, a corporation of Ohio
Application July 29, 1946, Serial No. 686,986
5 Claims. (Cl. 57-89)



1. A textile mill spindle mount comprising an elongated bracket arranged to be attached to a spindle rail so as to project substantially horizontally therefrom, spindle supporting means slidably engaging the bracket for movement therealong, a spring connecting the spindle supporting means and bracket for moving the spindle to a normal driven position on the bracket, and manually operable mechanism pivotally mounted on the spindle supporting means, said mechanism being arranged to act on a portion of the bracket and operable to move the supporting means against the force of said yielding means.

2,433,988

LENGTH BAR FOR MICROMETER GAUGES AND THE LIKE

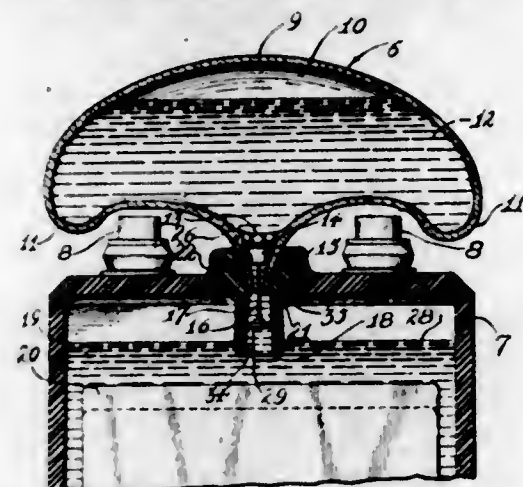
Leonard Ernest Glover, Leatherhead, England,
assignor to himself and Pitter Gauge & Precision Tool Co. Limited, Leatherhead, England,
a company of Great Britain
Application July 28, 1944, Serial No. 546,993
In Great Britain August 14, 1943
6 Claims. (Cl. 33-168)



1. A length bar for use in gauging lengths, means carried on said length bar for connecting it to another gauging member, said length bar having the end faces thereof accurately finished in a plane at right angles to the axis of the bar, and a protective tube surrounding said length bar and spaced therefrom to provide an air space between the bar and the protective tube, and said protective tube being mounted in such manner that it is capable of movement relative to the length bar.

2,433,989 **MEANS FOR AUTOMATICALLY SUPPLYING** **DISTILLED WATER TO STORAGE BAT-** **TERIES**

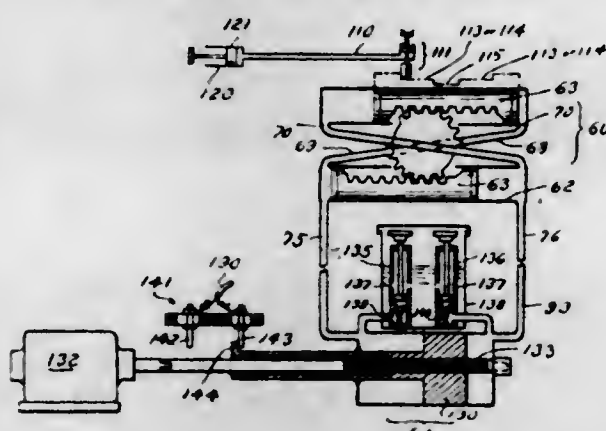
Hans J. Hansen, Chicago, Ill.
Application October 22, 1946, Serial No. 704,943
9 Claims. (Cl. 136-162)



7. A device for automatically supplying a cell of a storage battery with distilled water comprising, an adapter bushing having a threaded body portion adapted to fit the filling opening of a storage battery cell and provided with a reduced shank portion extending below the liquid level of said cell, a frusto-conical resilient liner secured to the top opening of said adapter bushing, trip means secured adjacent the lower edge of the said shank portion, a transparent container of pendant lobed cross-sectional configuration terminating in a frusto-conical neck portion adapted to seat removably in the said frusto-conical resilient liner, and provided with a multiplicity of radially positioned projections below the top of said neck portion and interiorly thereof, and frusto-conical valve means confined in the said neck portion and susceptible of limited vertical movement, the said valve means being provided with a stem portion having its terminus resting on the said trip means, the said adapter bushing provided with a venting orifice to permit displacement of the volatile matter within the cell by filtered water, the said trip means being provided with a multiplicity of openings radially disposed therethrough and a cavity for retaining in vertical position the terminal of the stem portion of the said valve means.

2,433,990 **CONTROLLABLE PITCH PROPELLER** **MECHANISM**

Gordon W. Hardy, Cleveland Heights, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application August 13, 1943, Serial No. 498,492
3 Claims. (Cl. 170-163)

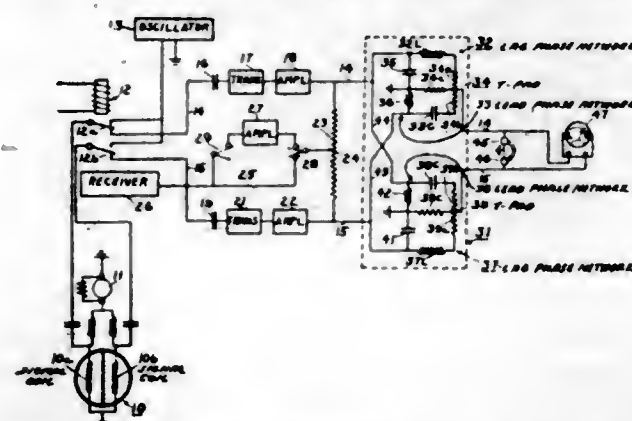


1. In combination with a variable pitch propeller having a blade-supporting hub, a hydraulic servo-motor on the hub having opposed non-communicating displacement chambers, a master hydraulic cylinder and a piston therein, the opposite ends of the cylinder being hydraulically per-

manently connected with respective displacement chambers of the servo-motor, positively acting means connected to the piston to move it back and forth in its cylinder and to lock it in adjusted positions thereby to lock the blades, and pumping means in respective sides of the hydraulic system to maintain individually adjusted pressure in said sides.

2,433,991 **LAG-LEAD LINE FOR BEARING DEVIATION** **INDICATORS**

Malcolm H. Hebb, Cambridge, Mass., assignor to the United States of America, as represented by the Secretary of the Navy
Application June 10, 1944, Serial No. 539,730
5 Claims. (Cl. 177-386)



1. Apparatus for determining the direction of a source of wave energy comprising a plurality of elements constituting an array capable of translating received energy into electrical energy, circuit means connecting said elements into at least two output groups, phase shifting means including lag and lead sections connected in circuit with each group, circuit means combining an output through a lead section of a first one of said groups with an output through a lag section of a second one of said groups, circuit means combining an output through a lag section of said first group with an output through a lead section of said second group, to thereby derive a plurality of output channels each representing a different directivity of said array, and means for comparing the outputs in said channels.

2,433,992 **POLYMER PIGMENTATION**

Malvern E. Hughes, San Jose, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 28, 1944, Serial No. 528,462
4 Claims. (Cl. 260-23)

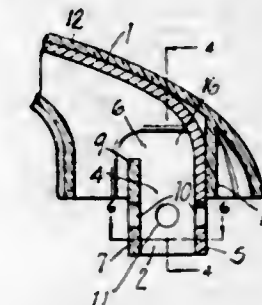
1. A process comprising uniformly dispersing a comminuted pigment by grinding the pigment in a drying oil, dispersing the dispersion of pigment in a resin-forming, heat-polymerizable, liquid unsaturated compound, and maintaining the resulting mixture at a temperature between 60° C. and 300° C. to effect polymerization thereof into a uniform, evenly pigmented, solid mass.

2,433,993 **HARDWARE ARTICLE**

Gerald V. Jakeway and Isaac S. Keeler, Grand Rapids, Mich., assignors to Keeler Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application September 25, 1944, Serial No. 555,658
2 Claims. (Cl. 292-347)

1. In a hardware article, the combination of a core member having a base end portion and being

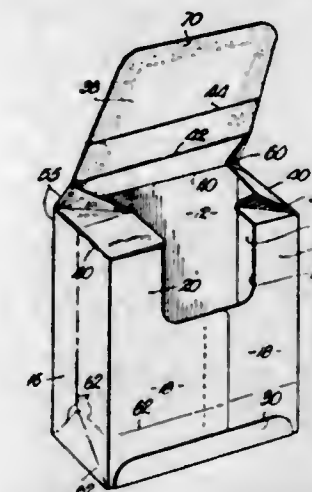
of inwardly facing channel section formed as a stamping providing spaced side walls and a connecting wall at the bight of the channel, the side and connecting walls of the core member being conformed and extended at the base end thereof to provide the side and rear walls of an inwardly projecting spindle socket, the connecting wall at the bight of the channel constituting the rear wall of the socket, a plate-like member constituting a front spindle socket wall disposed against and secured to the front edges of the projecting portions of the said socket side walls and



having a portion disposed between the side walls of the core member, and a preformed casing of channel section formed of moldable thermoplastic material disposed upon said core member in embracing supported relation therewith with the edges of the casing member extended around and between the side walls of the core member, said casing having an enlarged circular base portion, such base portion having longitudinally and transversely disposed internal walls integral therewith and engaging the side and rear socket walls of said core member.

2,433,994 **COLLAPSIBLE PREFORMED PACKAGE** **JACKET**

Bill Y. James, Miami, Okla., assignor of one-half to Caroline Y. James, Miami, Okla.
Application July 2, 1945, Serial No. 602,704
4 Claims. (Cl. 229-16)

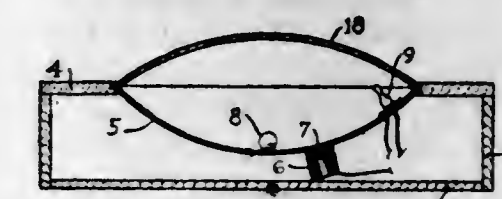


1. A collapsible, pre-formed package jacket of the kind described comprising an initially flat blank of sheet material having lines of bend and lines of fold setting off a pair of side walls, a pair of end walls, a top wall, and a bottom wall, that portion of the blank constituting the top wall being set off by a continuous single direction line of bend extending entirely across the blank and having a flap projecting from the edge thereof to form a part of one of the side walls when the jacket is in place on a package, said line of bend being substantially parallel to the said edge of the blank to provide a marginal area between the said edge and said line of fold, said marginal area having lines of fold therein to divide the area into sections disposed in overlapped relation, another part of said one side wall being formed of a pair of sections, each having a reduced portion and a portion of greater width

to overlap each other whereby to establish a notch in the upper part of said one side wall near the top wall, said marginal area having certain of the sections thereof extending from said reduced portion and set off therefrom by said continuous line of bend.

2,433,995 **GAME OR TOY**

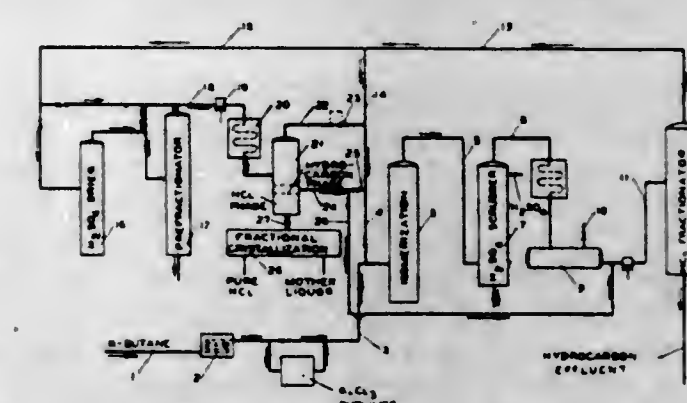
Norman R. Kevers, Indianapolis, Ind., assignor to Electronic Laboratories, Inc., Indianapolis, Ind., a corporation of Indiana
Application November 15, 1945, Serial No. 628,858
3 Claims. (Cl. 46-45)



1. A game or toy comprising a semi-spherical receptacle, an electro-magnet associated with said receptacle having its polepiece at least adjacent the outer wall of said receptacle and disposed in such a position that the center of the magnetic field of said magnet is off center relatively to the center of said receptacle, a target arranged within said receptacle, a ball of magnetic material disposed within said receptacle, and a switch controlling the circuit of said electro-magnet and manually operable.

2,433,996 **HYDROGEN CHLORIDE RECOVERY IN A** **BUTANE ISOMERIZATION PROCESS**

John W. Latchum, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 27, 1944, Serial No. 537,715
2 Claims. (Cl. 260-683.5)



1. In the process of isomerizing normal butane to isobutane which comprises subjecting said normal butane to the action of hydrogen chloride and aluminum chloride under such conditions that isomerization of normal butane to isobutane is the principal reaction, withdrawing a vaporous reaction effluent containing volatilized aluminum chloride, scrubbing said effluent with a liquid non-volatile strong mineral acid and thereby converting the aluminum chloride content thereof to hydrogen chloride, passing the scrubbed effluent to a hydrogen chloride fractionator and there taking overhead a gaseous mixture containing from 50 to 95 mol per cent hydrogen chloride in admixture with saturated normally gaseous hydrocarbons containing from 1 to 4 carbon atoms per molecule in which a substantial proportion of methane is present, the improvement which comprises liquefying at least a portion of said overhead by compressing and cooling same, separating the resulting liquid into two

liquid phases namely a hydrocarbon phase and a substantially pure hydrogen chloride phase, separately withdrawing said phases, and passing the hydrocarbon phase to said hydrogen chloride fractionator in admixture with said scrubbed effluent and fractionating same along therewith.

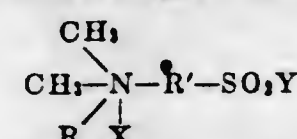
2,433,997

QUATERNARY AMMONIUM SULFONE HALIDES

Adrian L. Linch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 24, 1944, Serial No. 532,529

5 Claims. (Cl. 260-543)

1. A quaternary ammonium sulfone halide represented by the following formula:



wherein R represents a member selected from the class consisting of alkyl radicals of less than eighteen carbon atoms, phenyl and benzyl radicals, R' represents a member selected from the class consisting of ethylene, phenylene and benzylene radicals, X represents an anion of a strong acid, and Y represents a halogen atom.

2,433,998

BOMB CARRYING GLIDER

Laurence J. Marhoefer, Haddon Heights, N. J., assignor to Vidal Corporation, Camden, N. J., a corporation of Delaware
Application June 10, 1944, Serial No. 539,723

6 Claims. (Cl. 244-16)



1. A bomb glider adapted to be carried by an airplane and to be released therefrom while in flight, comprising a fuselage having a bomb-receiving bottom opening and a top opening, a closure for the bottom opening, a bomb cradle within the fuselage, means carried by the cradle adapted to hold the bomb in fixed relation with the fuselage, a wing structure the central part of which extends over the top opening of the fuselage, and means extending through the wing structure and secured to the cradle to thereby securely connect the wing structure with the fuselage, there being orifices in the wing structure through which bomb-suspension means adapted for connection with the bomb are adapted to extend whereby the bomb, fuselage and wings may be supported as a unit from the airplane.

2,435,999

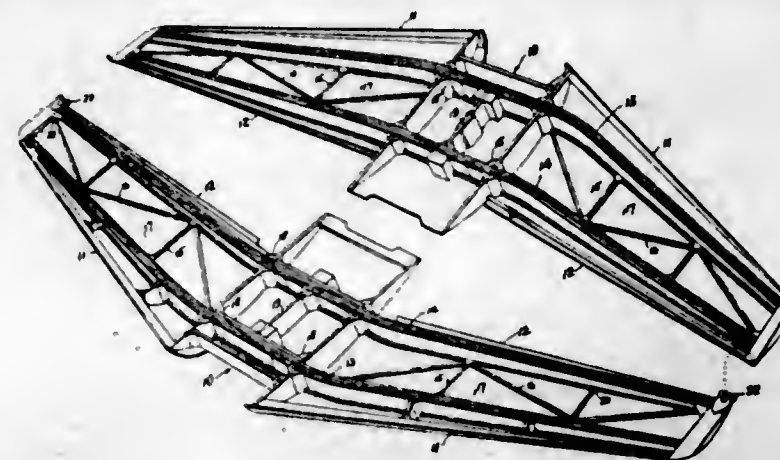
WING AND STABILIZER STRUCTURE FOR GLIDERS

Laurence J. Marhoefer, Haddon Heights, N. J., assignor to Vidal Corporation, Camden, N. J., a corporation of Delaware
Application June 10, 1944, Serial No. 539,725

5 Claims. (Cl. 244-124)

1. A wing structure made in two halves, upper and lower, of like contour and construction, each half being a unitary structure comprising a half right wing, a half left wing and a central half

frame; each half wing comprising a leading edge stringer and trailing edge stringer both secured at their inner ends to the corresponding central half frame, and spars, one near and inside the leading edge stringer and the other near and inside the trailing edge stringer; the spars of each half wing extending from substantially the outer edge of such half wing in alignment with and at their inner ends integrally united to the corresponding spars of the corresponding other half wing and being also secured to the corresponding



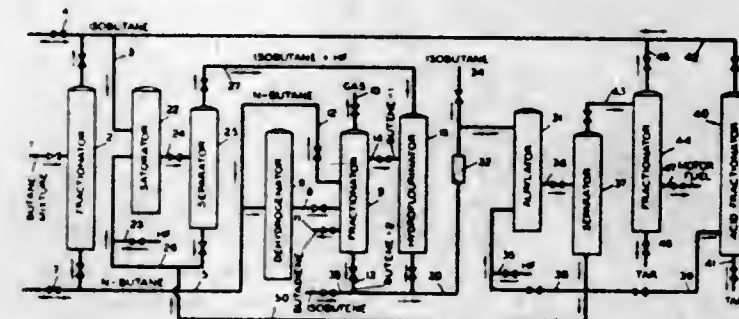
half central frame, thereby providing front and rear spars extending throughout the length of the wing structure from the end of one half wing to the end of the other corresponding half wing, cross reinforcing bars extending between the spars, one of said half wing unitary structures being superposed on and united to the other half wing unitary structure to align and abut the leading and trailing edge stringers and the spars of each half wing structure with the corresponding elements of the other half wing structure.

2,434,000

PRODUCTION OF MOTOR FUEL

Maryann P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application January 25, 1946, Serial No. 643,222
4 Claims. (Cl. 260-683.4)



1. An improved process for converting a butane mixture into higher-boiling paraffin hydrocarbons, which comprises separating from a butane mixture normal butane and isobutane, saturating said isobutane as a liquid with hydrogen fluoride, subjecting said normal butane to dehydrogenation under conditions such as to produce therefrom butene-1 and butene-2, separating from effluents of said dehydrogenation butene-1 and butene-2 so produced as separate fractions, admixing said butene-1 fraction with said hydrogen fluoride-saturated liquid isobutane fraction in an amount such that the mol ratio of hydrogen fluoride to added butene-1 is between about 1:1 and 1.6:1 and maintaining said admixture at a temperature between about 120 and 180° F. for a time in the range of about 4 to 40 minutes to react butene-1 and hydrogen fluoride, admixing with effluents of said treatment said butene-2 and additional liquid concentrated hydrogen fluoride in an amount sufficient to act as an alkylation cata-

lyst and intimately admixing said materials under alkylation conditions for a time sufficient to effect an alkylation of said isobutane, and recovering from effluents of said alkylation higher-boiling paraffin hydrocarbons so produced.

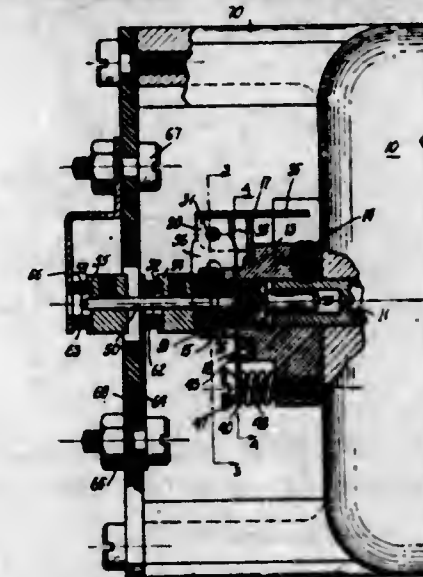
2,434,001

GOVERNOR CONSTRUCTION

John L. Moody, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California

Application October 4, 1943, Serial No. 504,977

10 Claims. (Cl. 200-80)



1. A speed-responsive device for controlling the operation of an electric motor comprising, a lever pivotally supported on means secured to the motor shaft, said lever tending to rotate on its pivotal axis under the influence of centrifugal force, a member having electric conductivity and mounted for movement axially of the motor shaft, motion transmitting means intermediate said lever and said member whereby pivotal movement of said lever causes axial movement of said member, two electrical contacts carried by said member for movement therewith, a relatively fixed contact for cooperation with each of said movable contacts and adapted to be connected in the motor circuit, whereby upon axial movement of said member in one direction said movable contacts will be engaged with said fixed contacts to establish the motor circuit and upon axial movement of said member in the opposite direction said movable contacts will be parted from said fixed contacts to break the motor circuit.

2,434,002

FRONT END ELEVATOR FOR TRACTORS

Stanley S. Moore, Stockton, Calif.

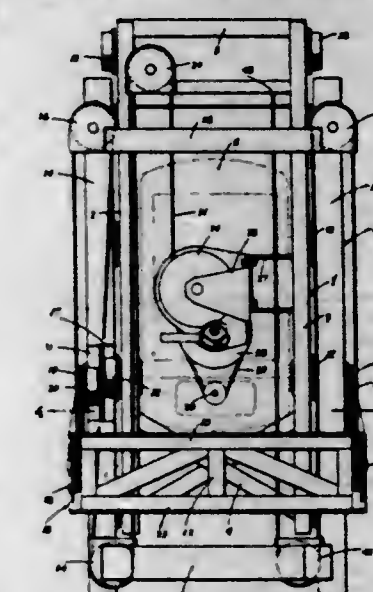
Application August 20, 1945, Serial No. 611,635

1 Claim. (Cl. 187-11)

A front end elevator for tractors including a rigid substantially rectangular main frame, means for attaching said main frame in a substantially vertical position to a tractor frame, a cable drum winch mounted within the main frame with its drum axis extending transversely of the frame, detachable means to connect the winch drum with a power take-off on the tractor, an elevator frame mounted for guided vertical movement relative to the main frame, an elevator carriage mounted for guided vertical movement relative to the elevator frame, a sheave on the main frame disposed ahead of the front plane thereof and adjacent one side of the frame with its axis parallel with the drum axis, a sheave disposed at each side of both the upper and lower ends of the elevator frame and with their axes parallel with the drum axis, a sheave at each end of the elevator carriage, the axis of said carriage sheaves lying transversely of the drum axis, a

606 O. G.-8

sheave at the back of the main frame at each end thereof, the axes of said latter named sheaves lying parallel to the drum axis, a cable on the drum, such cable being reeved through the sheave on the front side of the main frame, thence about the lower sheave on the corresponding side of the elevator frame, thence about the upper sheave on said side of the elevator frame, thence about the carriage sheave on the corresponding end of the



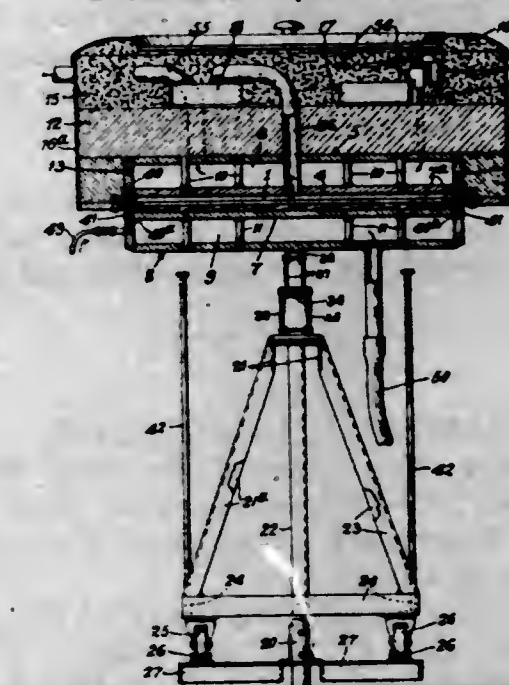
2,434,003

VACUUM DESICCATING APPARATUS USING THE EVAPORATOR AND CONDENSER OF A REFRIGERATING DEVICE

Willard L. Morrison, Lake Forest, Ill.

Application December 21, 1942, Serial No. 469,671

4 Claims. (Cl. 34-76)

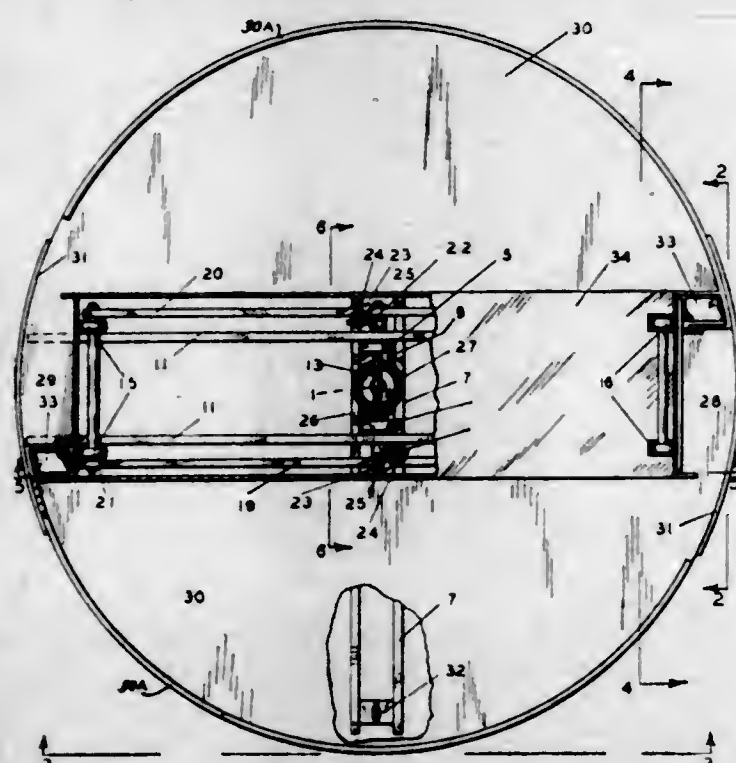


1. An apparatus for desiccating materials comprising a hermetically sealed receiving chamber for the material to be treated, having an upper wall and a lower wall with a space between them to be partially filled with the material to be treated, the upper wall being formed by an evaporator of a mechanical refrigerating device and the lower wall being formed by the condenser of a mechanical refrigerating device, said mechanical refrigerating device including a compressor adapted to move a refrigerant through said condenser and said evaporator, and means for withdrawing air from the receiving chamber.

2,434,004

APPARATUS FOR CONVERTING RECIPROCAL VERTICAL MOTION INTO ROTARY MOTION

Albert A. Morton, Vancouver, Wash., assignor to Alfred A. Morton, Portland, Oreg.
Application November 20, 1944, Serial No. 564,212
9 Claims. (Cl. 272-33)



7. A rotating apparatus comprising a stationary vertical column, a parallel linkage of walking beams mounted for horizontal rotation and vertical pivotal movement with respect to said column, a platform movable with said beams, a crankshaft geared to said column and operable to rotate said assembly, and means for turning said crankshaft by said vertical movement of said parallel linkage to rotate said assembly.

2,434,005

DENTAL IMPRESSION COMPOSITION

Stanley E. Noyes, Los Angeles, Calif.
No Drawing. Application September 14, 1945,
Serial No. 616,464
6 Claims. (Cl. 18-47)

1. A dental impression composition comprising lead silicate, an alkali metal alginate, aluminum fluosilicate (silicofluoride) and tetrasodium pyrophosphate.

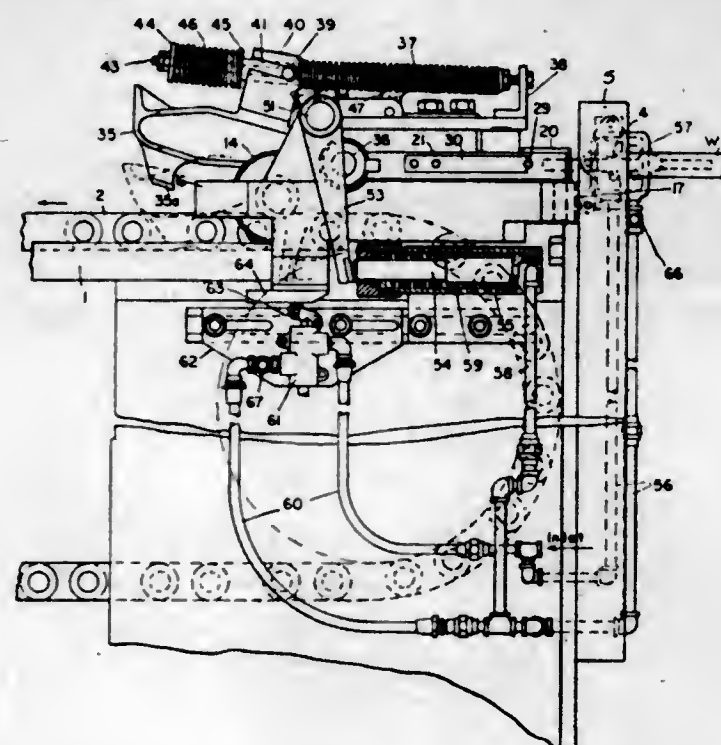
2,434,006

DRAWBENCH CARRIAGE

Norman H. Nye, Cuyahoga Falls, and Walter E. Rogers, Stow, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application January 31, 1944, Serial No. 520,462
6 Claims. (Cl. 205-22)

6. The combination with a draw-bench including a track-way, a chain or like pulling device extending along and a carriage movable on said track-way; of work-piece gripping means on said carriage, a hook member pivotally mounted on said carriage and adapted in one position to engage said pulling device, said hook member being operatively connected with said gripping means, resilient means tending to disengage said hook member, a lever mounted on said carriage adapted when moved in one direction to engage said hook member, a pressure-fluid actuated device, located alongside said track-way adapted thus to move said lever, a valve controlling supply of

pressure-fluid to said device, an arm on said carriage adapted to engage and actuate said valve,

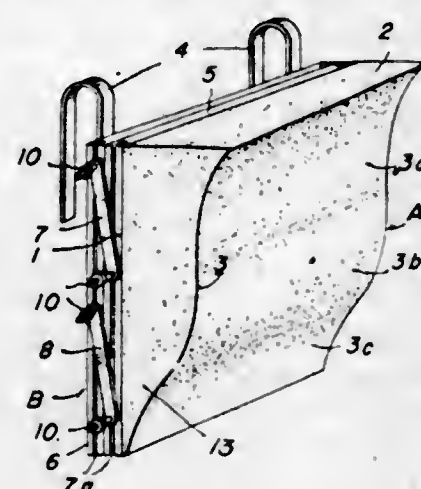


and a manually operable valve adapted optionally to control such supply of pressure-fluid.

2,434,007

HEADREST

Frederick Nicholas O'Dea, Baltimore, Md., assignor of one-third to Nora O'Dea and one-third to Marie O'Dea, Baltimore, Md.
Application May 8, 1946, Serial No. 668,224
1 Claim. (Cl. 155-177)



A device of the class described, comprising a resilient body having a surface entirely inclined generally upwardly and forwardly when in upright position and adapted for engagement with the human body, said surface having its upper and lower portions each formed with a depression extending transversely thereof and having a transversely extending rib portion between said depressions, said portions being merged together in a gradual manner and being of definite pre-formed contour corresponding substantially with that of the surface of the adjoining regions of the shoulders, neck and head of the human body so as to afford means of resting engagement therewith, and said body being of greater depth at the top thereof than at any other portion thereof when in upright position.

2,434,008

MANUFACTURE OF CAPILLARY TUBING

Jesse C. Osborn, Carlyle, Ill.
Application June 11, 1945, Serial No. 598,883
2 Claims. (Cl. 138-47)

1. In a compensated capillary element for use under varying ambient temperature conditions,

a tubular metal sheath and a multi-part core of metal therein, said core parts having a lower coefficient of expansion than the material of the sheath, said core having a longitudinally extending fluid passageway therethrough and said core

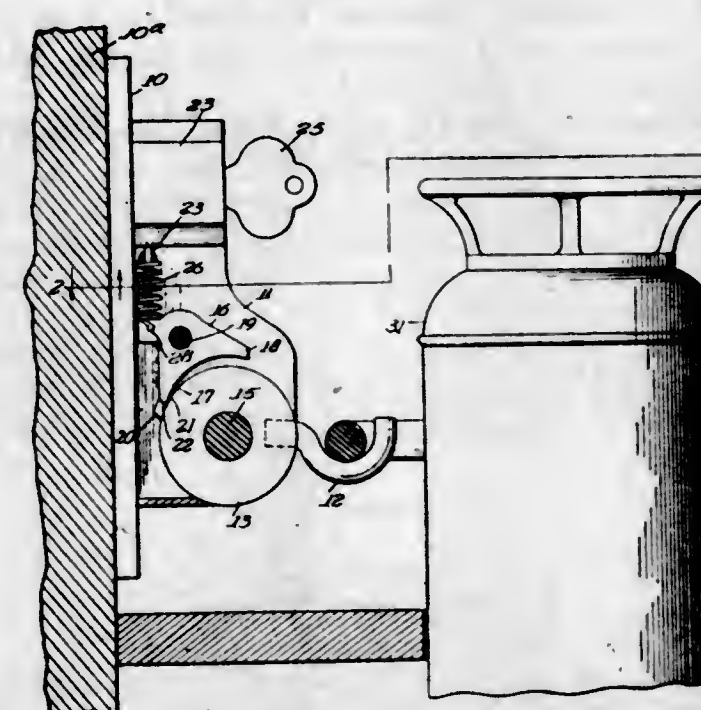


parts being separable from each other and from said sheath to provide spaces into which fluid in said passageway may expand under increase of temperature of a part of the element and of the fluid therein.

2,434,009

SAFETY DEVICE

Walter E. Palmer, Cicero, Ill.
Application February 23, 1946, Serial No. 649,624
22 Claims. (Cl. 248-203)



22. A safety device embodying an article holder freely shiftable into an active and an inactive position, a pivotally mounted catch having spaced locking portions, means on said holder with which said portions of the catch co-operate, one to lock the holder in an active position and the other to lock the holder against return from an inactive position, means for shifting the catch about its pivot into one or the other of its positions with respect to the holder, means for controlling the last said means to selectively position the catch, the second recited means embodying a resilient element operable upon said catch to push the catch about its pivot in one direction or pull it about its pivot in the opposite direction, and means for conditioning at will, said resilient element, to selectively cause the same to operate to push or pull the said catch about its pivot.

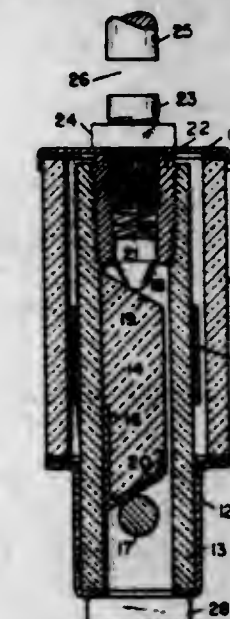
2,434,010

VOLTAGE-LIMITING ARC INTERRUPTER

Ralph R. Pittman, Park Hill, Ark.
Application January 19, 1945, Serial No. 573,572
5 Claims. (Cl. 175-30)

1. A voltage-limiting arc interrupter comprising a tube of insulating material open at the lower end thereof, a closure of conducting material at the upper end thereof, a cylindrical filler of insulating material partially closing the bore of said tube and positioned in lateral abutting engagement with the inner surface thereof, said filler being so formed that the upper end surface of said filler slopes downwardly from the line of

abutment of said filler with said tube and the lower end surface of said filler slopes upwardly from said line of abutment, means cooperating with said filler and engaged with the respective end surfaces for holding said filler in lateral abutting engagement with said tube, said last-named means including a conducting member extending endwise into said tube to engagement with the

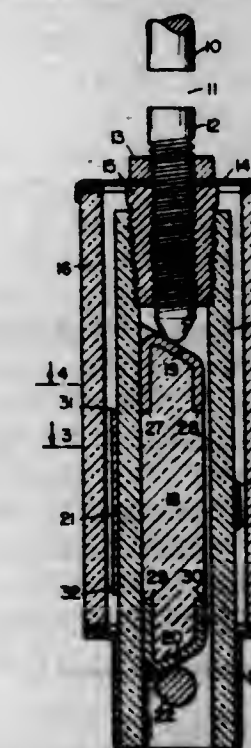


upper sloped surface of said filler and a conducting terminal member extending transversely across and in engagement with the lower sloped surface of said filler, and structural means for causing sparkover to occur along said line of abutment, said structural means including a conducting member extending upwardly along a portion of said line of abutment and in spaced relationship with said conducting closure.

2,434,011

VOLTAGE-LIMITING ARC INTERRUPTER

Ralph R. Pittman, Park Hill, Ark.
Application January 29, 1945, Serial No. 575,081
1 Claim. (Cl. 175-30)

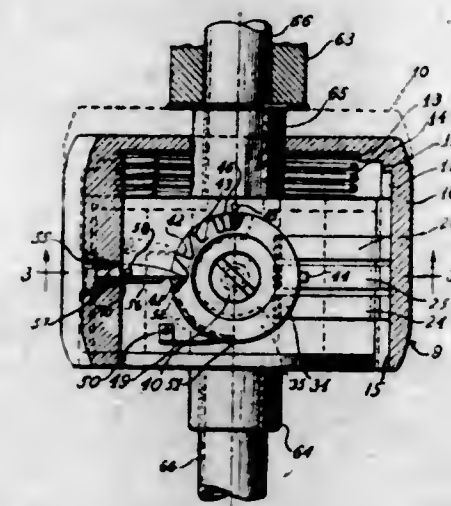


A voltage-limiting arc interrupter comprising a hollow tube of insulating material having at least one end open, a cylindrical filler of insulating material extending longitudinally therein and partially filling said tube, means holding said filler in lateral abutting relation with said tube, normally insulated conducting electrodes spaced apart at the respective ends of said filler and arranged to provide a preferential sparkover path between them along said filler and within said tube, the sparkover path along the line of abutment being substantially equal to that along the parallel line diametrically spaced from said line of abutment, and flux control means for con-

centrating prior to sparkover the flux between said electrodes adjacent to the line of abutment of said filler with said tube, said flux control means comprising a sleeve of conducting material fitted tightly around the outside of said tube in insulated relationship to at least one of said electrodes, said sleeve being provided with beveled ends and so mounted on said tube that the longest dimension of said sleeve is nearer to said line of abutment than to any other portion of said filler.

2,434,012 SWITCH

Carl A. Ponti, Chicago, Ill.
Application January 31, 1946, Serial No. 644,527
10 Claims. (Cl. 200—6)



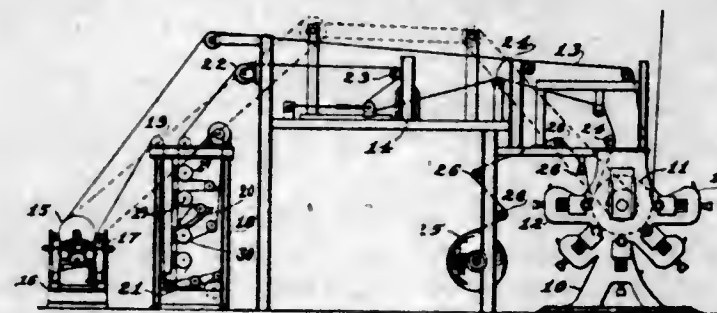
1. A multiple electrical switch comprising, a core element provided with extensions adapted to attach it to an electrical appliance, an actuator sleeve telescopically mounted on the said core element and movable in longitudinal reciprocatory movement with respect thereto, spring means interposed between the said core element and the said actuator sleeve urging the said sleeve to inoperative position, an indexing contact rotatably secured to the said core element, actuating pawl means secured to the said actuator sleeve and adapted to advance the said indexing contact, a common terminal secured to the said core element in contacting relationship with the said indexing contact, a multiple number of mating contacts secured to the said core element normally maintained out of contact with the said indexing contact, check pawl means secured to the said core element and adapted to check the movement of the said indexing contact, compression and torsional means having its ends anchored respectively to the said indexing contact and to the said core element, and cam means on the said indexing contact adapted to return the said indexing contact to normal position when actuated by the said actuating pawl means.

2,434,013 PROCESS OF PRINTING TEXTILES WITH A POWDERED BLANKET

William C. Ross, Winchester, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application September 12, 1944, Serial No. 553,695
5 Claims. (Cl. 101—423)

1. The process of textile printing which includes as continuous steps first applying finely divided powder to the surface of a continuous printing blanket, then applying color to the textile while the textile is superposed upon the blanket, the color being applied in such quantities that surplus color passes through the textile

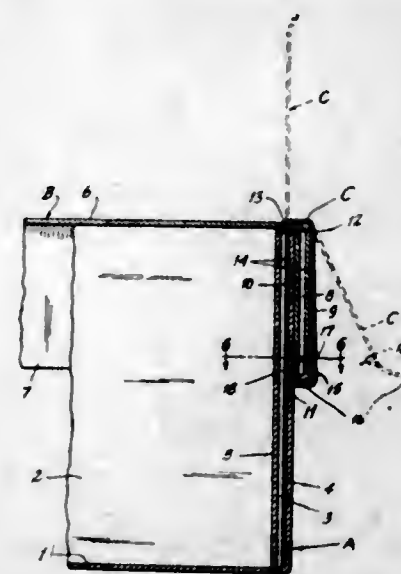
or is deposited on the edges of the blanket, and subsequently washing the powder and the color from the surface of the blanket and repeating the steps, and by means of said powder absorb-



ing excess color in the printing step, removing excess color with the powder in the washing step, and absorbing moisture remaining on the blanket after washing of the blanket.

2,434,014 CONTAINER

Leon J. Rosenberg, Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application June 11, 1945, Serial No. 598,860
9 Claims. (Cl. 229—47)

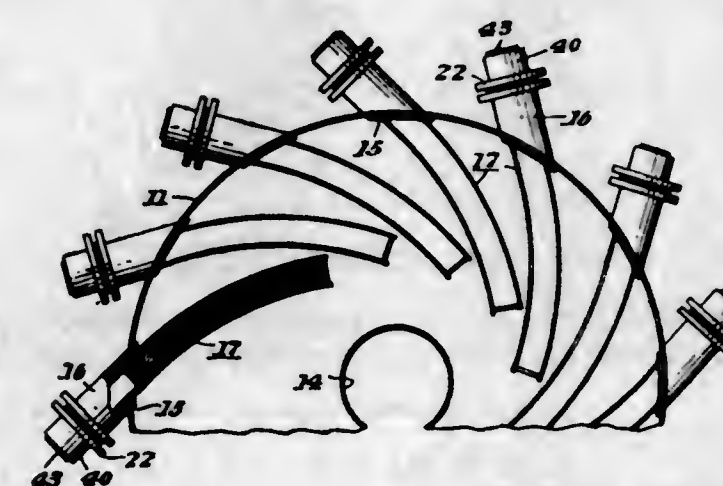


1. A container comprising a body and a cover therefor having a rim portion disposed along the outer side of said body and a vertical opening adjacent to said rim portion, and a fastener mounted in said body and having an upwardly directed hook located exteriorly thereof adapted to receive the lower portion of said rim portion and a portion adapted to extend upwardly through said opening and to be bent downwardly along-side said rim portion and said exposed hook, said hook having an opening therethrough and said portion of said fastener having a prong thereon adapted in the downwardly bent position thereof to extend through said opening and to penetrate said rim portion from the outside thereof.

2,434,015
STABLE PROVITAMIN D COMPOSITION
Hans R. Rosenberg and Warren W. Woessner, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 21, 1942, Serial No. 466,496
1 Claim. (Cl. 167—81)

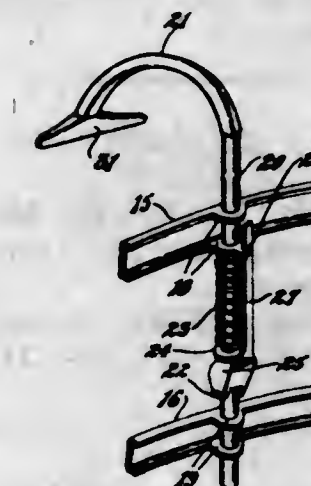
A stable composition particularly adapted for antirachitic activation comprising a mass of crystals containing approximately fifty per cent 7-dehydrocholesterol and approximately fifty per cent cholesterol.

2,434,016
IMMERSION HEATER FOR VAPOR HEATING
JACKETS OR THE LIKE
James E. Shields, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application December 22, 1945, Serial No. 636,912
6 Claims. (Cl. 219—44)



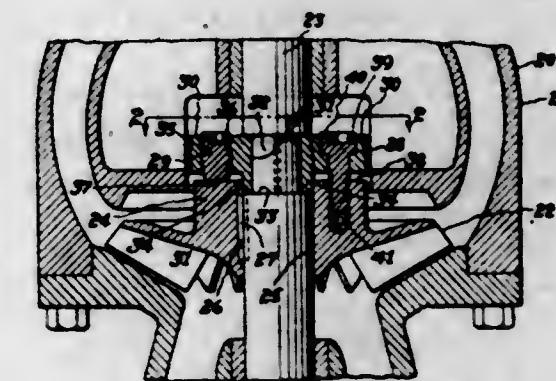
6. Liquid-heating means for a cylindrical jacket surrounding the bottom of a vessel and adapted to contain vaporizable liquid and having ports in the side wall thereof comprising an external neck for each port extending at an oblique angle to the radius through the port, a closure secured to the neck, a frame extending inwardly from the closure and an electrical-resistance heating element strung on said frame, said frame curving spirally in the horizontal plane and terminating at a point spaced from the center of the jacket.

2,434,017
ANTISKID DEVICE
Claude Q. Snedeker, Canton, Ohio
Application May 8, 1945, Serial No. 592,553
9 Claims. (Cl. 152—216)



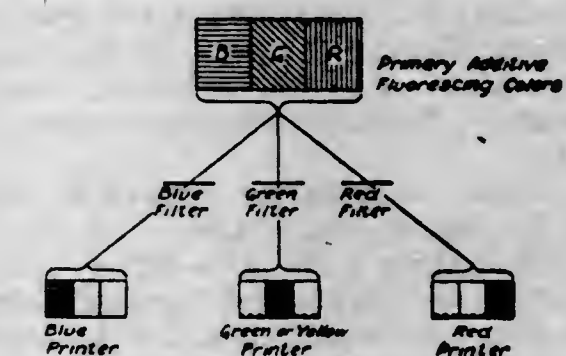
9. An anti-skid device for a tire, comprising a ring of smaller diameter than the tire and concentrically located on the outer side of the tire, a smaller ring concentrically mounted within the first named ring, means connecting said rings together, a plurality of radially disposed rods slidably mounted upon the rings, hook portions in the outer ends of the rods engaging over the tread of the tire, a T-head swivelled upon the end of each hook portion and bearing against the inner side of the tire, a coil spring around each rod between the rings for urging the rods inwardly, an eccentric cam pivoted upon each rod for engaging the inner end of the spring for increasing the tension upon the spring, a lever upon each eccentric cam for operating the same and means upon the first named ring for locating said levers in position parallel to the rods.

2,434,018
ADJUSTING AND HOLDING DEVICE
Alexey J. Stepanoff, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application February 19, 1946, Serial No. 648,661
4 Claims. (Cl. 287—52)



1. In a holding and adjusting device, a shaft, an impeller on the shaft, a holder on the shaft, means carried by the holder for effecting adjustment of the impeller axially of the shaft, and means on the holder cooperating with the impeller for retaining the holder on the shaft during all adjusted positions of the impeller.

2,434,019
COLOR SEPARATION WITH FLUORESCENT
MATERIALS
Joseph L. Switzer, Cleveland Heights, and Robert C. Switzer, South Euclid, Ohio
Application March 10, 1942, Serial No. 434,080
17 Claims. (Cl. 95—2)

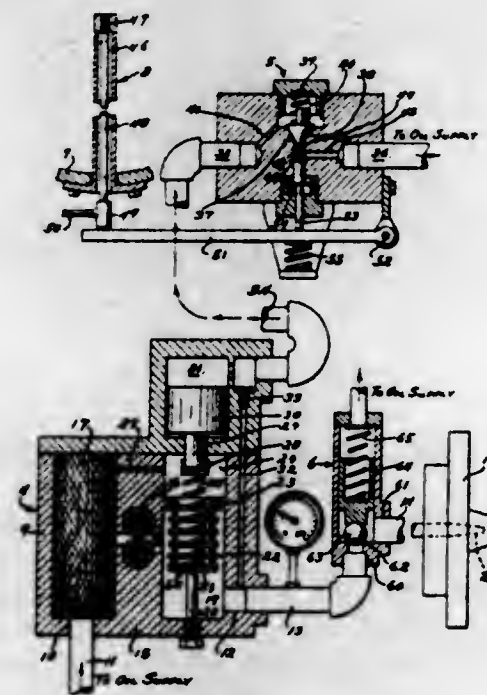


1. The method of making reproductions of original compositions comprising the steps of preparing an original in a luminescent medium, lighting the original with substantially only fluorescent radiations, photographing the original only while it is luminous through a color filter selected to transmit a color of the luminous original to produce a color printer, producing a printing plate from the color printer, and printing a reproduction from said printing plate.

2,434,020
REGULATING VALVE
Walter W. Taylor, Oakland, Calif., assignor, by direct and mesne assignments, to Malsbary Manufacturing Company, Oakland, Calif., a corporation of California
Original application September 2, 1942, Serial No. 457,005, now Patent No. 2,364,489, dated December 5, 1944. Divided and this application December 26, 1942, Serial No. 470,256
6 Claims. (Cl. 137—153)

1. In a regulating valve of the character described, a housing having a chamber adapted to receive a fluid under pressure, an outlet conduit for the chamber having a restricted discharge, a pressure-relief valve for the chamber includ-

ing a pressure member mounted to divide the chamber to provide a separate second compartment and operable to discharge into the latter compartment, an outlet conduit for said compartment, a second pressure member having yielding means bearing on the first pressure member for urging the relief valve closed, means for normally



subjecting the second pressure member to the pressure prevailing in the first chamber, and controlled means for relieving the pressure on the second pressure member for reducing the pressure necessary to open the relief valve.

2,434,021

PROCESS OF BRIGHT DIPPING

Merrill M. Thompson and Walter E. Moline, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

No Drawing. Application March 8, 1943, Serial No. 478,484

4 Claims. (Cl. 41-42)

1. The process of bright-dipping and deburring objects of brass which includes the step of subjecting the objects to the action of a bath which is an aqueous solution consisting of, for each gallon of the solution, 27 ounces of sodium dichromate, 27 ounces of sodium nitrate, 40 ounces of sodium bisulfate, and the remainder water, and which is of sufficiently weak acidity at normal room temperature that it will not appreciably attack objects left therein for as long as 24 hours but which becomes more active through ionization upon increase of temperature until at about 130 degrees Fahrenheit it becomes effective as a bright-dip; and the step of maintaining the bath at a temperature selected between 130 degrees Fahrenheit and the boiling point of the bath, depending upon the desired ionization and rate of action of the bath on the object, whereby a high degree of control of the process is obtained and damage to the objects caused by unduly severe etching of the objects can be avoided.

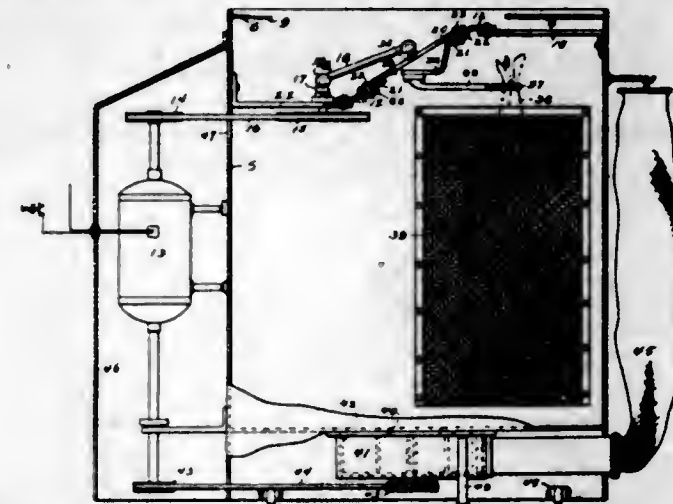
2,434,022

MACHINE FOR CLEANING DUST MOPS AND DUST CLOTHS

Clarence Turnpseed, Springfield, Ohio
Application December 15, 1944, Serial No. 568,304
15 Claims. (Cl. 15-94)

1. A machine of the character described comprising a slide, means for clamping said slide permanently upon a mop handle, an agitator, and

means for oscillating said agitator, said agitator being provided with members for receiving and



holding said slide in such position as to hold the mop handle off-center with respect to the agitator.

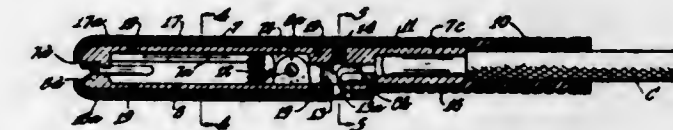
2,434,023

ELECTRODE HOLDER FOR ARC WELDERS

Ude P. Udesen, St. Paul, Minn.

Application February 23, 1945, Serial No. 579,348

2 Claims. (Cl. 219-8)



1. An electrode holder for electric arc welding comprising a pair of opposed jaw members carrying at their outer ends, opposed cooperating electrode clamping elements, one of said elements being of circular configuration and having an annular clamping surface provided with a series of radially arranged electrode engaging grooves and having a central depression with which the ends of said grooves communicate, the other of said elements comprising precisely a substantially semi spherical member disposed in axial alignment with said first mentioned element and means for clamping the outer ends of said jaw members together.

2,434,024

SHOE

Chester F. Vlasak, St. Louis, Mo., assignor to Weber Shoe Company, St. Louis, Mo., a corporation of Missouri

Application June 5, 1946, Serial No. 674,539

12 Claims. (Cl. 36-11.5)



1. A shoe comprising an inner sole member, an upper shoe portion provided with apertures, tongues extended from said inner sole member, said tongues being extended outwardly through the apertures of said upper shoe portion and being extended downward outwardly of portions of said upper shoe portion so as to cause said portions of said shoe upper portion to be interposed between said downwardly extended tongues and marginal edge portions of said inner sole member, and said tongues being extended inwardly beneath the bottom face of said inner sole member and being secured thereto, and an outsole secured to said inner sole member at the bottom face

thereof, said inwardly extended tongue portions being interposed between said inner sole member and said outsole.

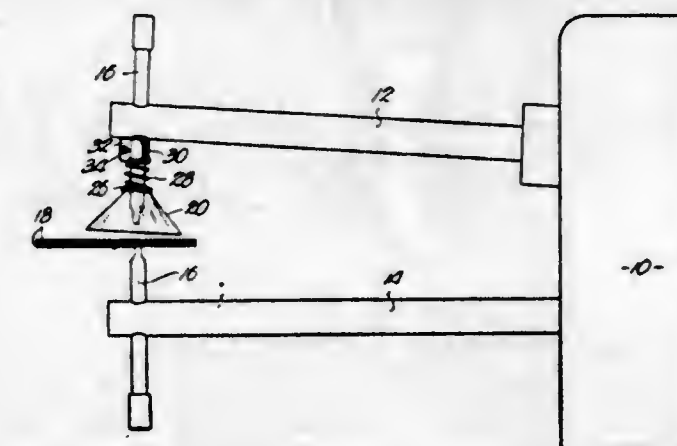
2,434,025

ELECTRODE PROTECTOR FOR WELDING MACHINES

Harold E. Wallace, Kansas City, Mo., assignor to A. F. Parmalee, doing business as United States Safety Service Co., Kansas City, Mo.

Application January 22, 1945, Serial No. 573,849

4 Claims. (Cl. 219-4)



1. In a welding machine of the type described, an electrode protector comprising a shield circumscribing the end of the electrode; and structure for supporting the shield for bodily relative movement longitudinally of the electrode, said shield having a portion thereof extending beyond the end of the electrode when the machine is in the normal inoperative position.

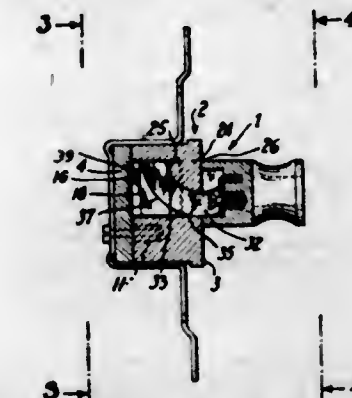
2,434,026

ELECTRICAL PLUG AND SOCKET

Daniel W. Walters, West Los Angeles, Calif., assignor to J. D. Buchanan, Burbank, Calif.

Application September 1, 1944, Serial No. 552,267

1 Claim. (Cl. 173-330)



A socket comprising a body member having a midrib and a spring terminal recess extending through the body member from front to rear at each side of said midrib, the front ends of said recesses serving as openings to receive the prongs of a plug, a terminal having a free spring end in each of said recesses, the rear end of said body member being substantially flat, said terminals having rear ends oppositely extending substantially in a plane on the rear end of said body member, a cap member fitting on the rear end of said body member and having an intermediate portion narrower than said body member covering the rear ends of said recesses and supporting the rear ends of said spring terminals, the rear ends of said spring terminals having extensions beyond said intermediate cap portion and a terminal connector for each of said extensions, said body member being of one piece of insulating material having an integral arcuate surface at the top and front inner side of each of said recesses, each of said arcuate surfaces being concentric

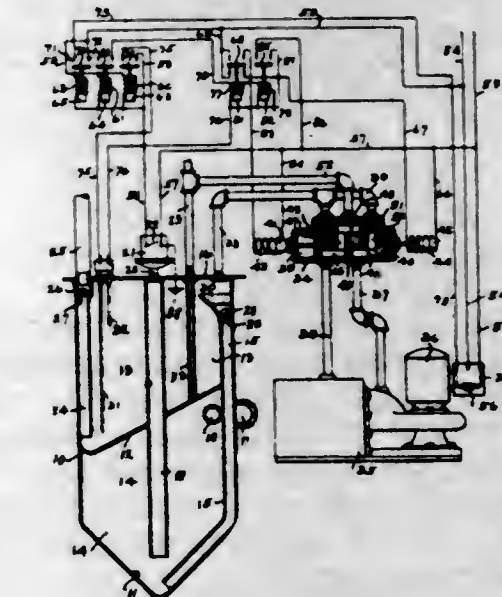
with a point below the top of the front end of said body member, each of said spring terminals extending behind and below its arcuate surface, and the height of the rear end of each of said recesses being greater than the height of said spring terminals, whereby said spring terminals may be inserted into said recesses from the rear of said body member.

2,434,027

SEWAGE LIFT

William P. Whittington, Indianapolis, Ind.
Application April 20, 1946, Serial No. 663,663

7 Claims. (Cl. 103-25)



1. In a sewage lift, a receiving basin; a discharge compartment; a transfer pipe leading from near the floor of said basin to discharge into the upper portion of said compartment; a discharge pipe leading from near the floor of said compartment to discharge therewithout; a valve for each of said pipes normally seating in the opposite direction of normal flow therein; vacuum-pressure producing means; valve means selectively applying to said discharge compartment vacuum and pressure from said producing means; electric means for controlling the actuating of said valve means; a motor actuating said producing means; an electrode extending into said discharge compartment to have a portion at least submerged at a predetermined liquid level therein; an electric control switch actuated by change in level of fluid in said basin; and electric circuit means automatically energized and de-energized by interconnection with a source of current through said electrode and said switch by changes in levels of fluid in said basin and said compartment to actuate said motor and said valve means in accordance with said levels.

2,434,028

MACHINE FOR BENDING EDGES OF SHEET METAL PLATES

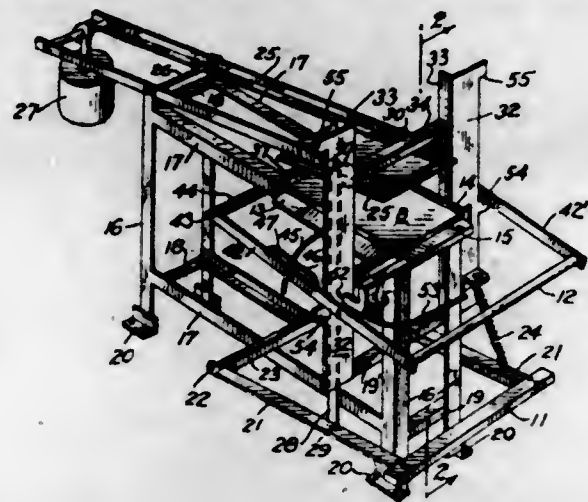
Roy Wieland, San Francisco, Calif.

Application March 29, 1945, Serial No. 585,543

1 Claim. (Cl. 153-17)

A machine for bending the margins of a sheet metal plate comprising a machine frame supporting a horizontal lower flat rectangular die plate, a tiltable frame pivotally supported on the machine frame with one end overhanging the die plate, an upper rectangular die plate carried by said end of the tiltable frame in position to come down upon the lower die plate, means normally raising the upper die plate with its frame, foot operated means for forcing the upper die plate downwardly to clamp a rectangular sheet metal plate between the die plates, clearance being provided around the die plates to permit the sheet

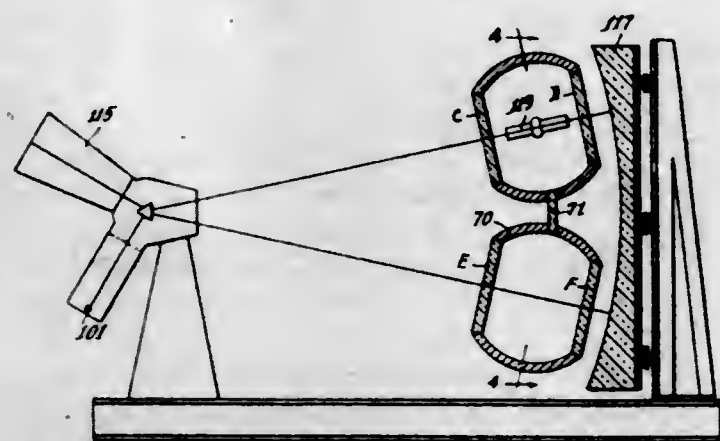
metal to project beyond all four edges of the lower die plate, means carried by the upper die plate arranged to force one overhanging margin of the metal sheet downward over one edge of the lower die plate, folding blades movably mounted respectively along the other three edges of the lower die plate arranged to fold the other three overhanging margins of the sheet metal upwardly, and manually operated means arranged to oper-



ate said blades to various degrees respectively to variously fold the remaining three margins of the sheet metal upwardly, said upper die plate provided with a relatively thin plate extension overhanging said other three edges of the lower die plate, and over the edges of which extension the margins of the sheet metal are folded when the folding blades are operated.

2,434,029
INTERFEROMETER APPARATUS FOR QUANTITATIVELY DETERMINING FLUID PRESSURES IN WIND TUNNELS

William Ewart Williams, Pasadena, Calif.
Application April 1, 1944, Serial No. 529,154
1 Claim. (Cl. 88—14)



An apparatus for examining the air flow about a model, which includes a wind tunnel for creating the air flow relative to said model and a complementary dummy tunnel having an air pressure equalizing connection with said wind tunnel, an optical interferometer including the portion of said wind tunnel holding said model in one of its arms, and including the dummy tunnel in the other arm, the wind tunnel and dummy tunnel having transparent side walls in line with the optical paths of said interferometer.

2,434,030
SUTURELESS METHOD OF RECTOSIGMOID ANASTOMOSIS AND APPARATUS THEREFOR

Theron Grover Yeomans, St. Joseph, Mich.
Application November 13, 1945, Serial No. 628,016
2 Claims. (Cl. 128—346)

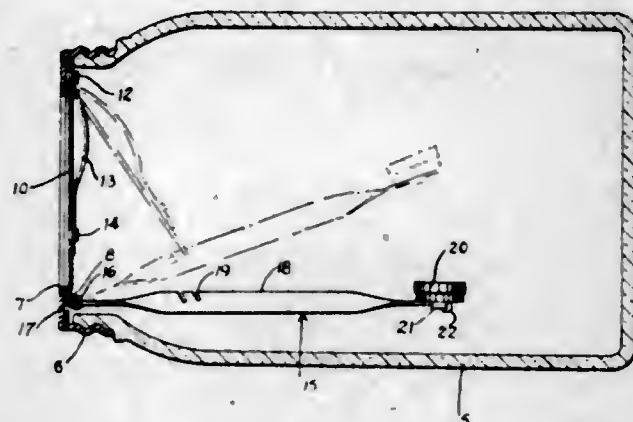
1. A clamp for recto-sigmoid anastomosis for temporarily retaining the intuned ends of both

sections of a severed bowel and adapted to be inserted and removed through the anus, comprising in combination, an upper cup-shaped clamping member, a lower opposed cooperating cup-shaped clamping member, each of said clamping members being provided with inwardly extending opposed clamping flanges, a hollow body member,



a tie rod extending through said hollow body member and said clamping members, one end of said tie rod extending beyond the hollow body member and manually operated means cooperating with said extending end for drawing said clamps tightly together, substantially as and for the purposes set forth.

2,434,031
ANIMAL TRAP
Joseph S. Adams, Greenwood, Ark.
Application March 23, 1945, Serial No. 584,291
4 Claims. (Cl. 43—61)

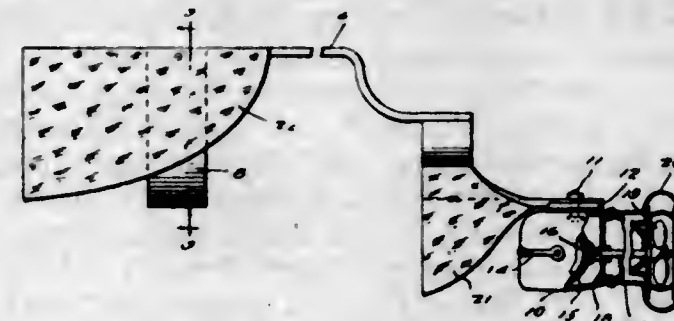


1. An animal trap comprising a container having one end open, a cap having an opening therein and adapted for attaching at the open end of the container, an annular member between the top rim of the container and the cap, a pair of lugs formed on the member, a door pivotally attached to said lugs and adapted to close the opening in the cap, and a trigger pivoted at one end to the member and projecting into the container and adapted for releasably engaging and holding the door in open position.

2,434,032
SWIMMING DEVICE
Ralph C. Bates, Yonkers, N. Y.
Application April 3, 1945, Serial No. 586,343
2 Claims. (Cl. 9—18)

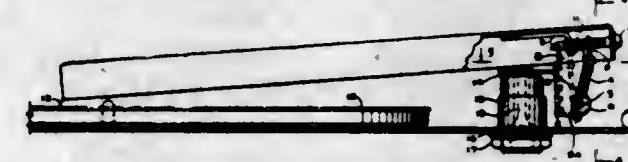
1. A swimming device comprising a frame including a pair of side frame members and front and rear transverse members of semi-circular form adapted to support the body of a person in a prone position, floats carried by the frame for

supporting the person on the surface of the water, a plate extending forwardly of the frame, an elongated gear housing pivoted beneath the plate for horizontal swinging movement, a propeller mounted at the front end of the housing, hand



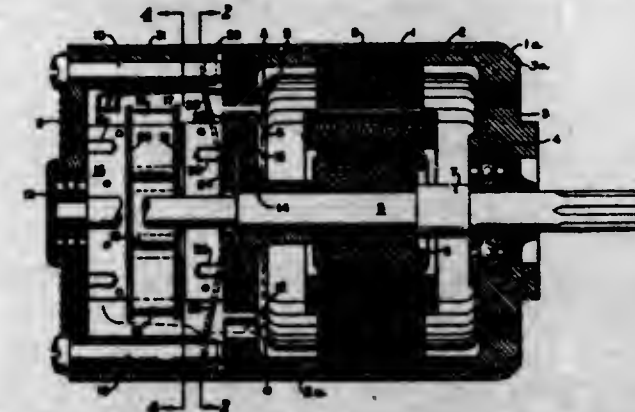
cranks carried by the housing, and gearing in the housing connected to said propeller and operable by said cranks, said housing constituting a rudder for steering the device.

2,434,033
PHONE ARM MOUNTING
Robert M. Cain, Charlotte, Mich., assignor to Wilcox-Gay Corporation, Charlotte, Mich., a corporation of Michigan
Application May 23, 1945, Serial No. 595,293
3 Claims. (Cl. 274—23)



1. A phonograph tone arm mounting comprising a member rotatable in a horizontal plane, a tone arm support carried by said member; said support being rotatable with respect to said member in a vertical plane; a tone arm mounted on said support and rotatable with respect thereto in a vertical plane; means for limiting the rotation of said tone arm with respect to said support to a predetermined arc, said tone arm projecting substantially beyond its rotatable mounting on its support on one side of said mounting and projecting to a lesser degree on the other side of said mounting; and means for counterbalancing at least a portion of the weight of said tone arm on said first mentioned side, said last mentioned means comprising a spring connected at one end to said other side of the tone arm and at the other end to the pivot of said support.

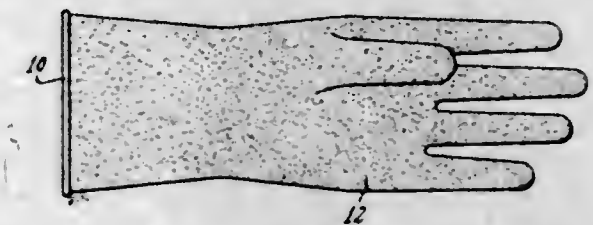
2,434,034
INDUCTION MOTOR BRAKE
James E. Chapman, Phoenix, Ariz., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application May 29, 1944, Serial No. 537,763
6 Claims. (Cl. 188—172)



3. An armature brake for electric motors, comprising, in combination with a motor casing, field coil positioning means and an armature therein:

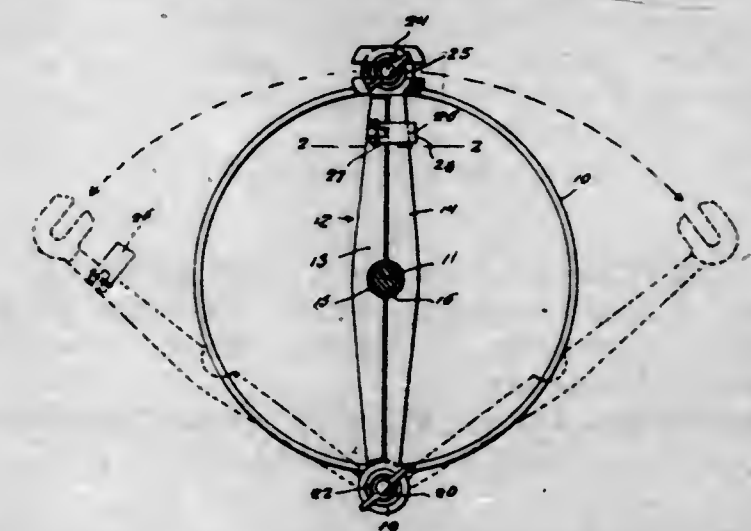
radially arranged abutments in said casing, a brake element affixed to said armature and having an axially facing braking surface; a floating brake ring arranged to coast with said braking surface and axially shiftable out of braking engagement therewith; electromagnetic means for shifting said braking ring axially when said motor is energized; leaf spring means attached to said brake ring and having free end portions projecting therefrom and engageable with said abutments for placing said spring means under flexure biasing said braking ring for engagement with said braking surface; and means rigidly associated with said field coil attaching means and coacting with said free end portions in a manner to resist braking action torque induced rotation of said ring, and said spring means coacting with the motor casing to support said ring in coaxial relation to said affixed brake element.

2,434,035
PROCESS OF MAKING RUBBER GLOVES AND LIKE ARTICLES
Wallace W. De Laney and Cornelius J. Crowley, New Haven, Conn., assignors to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Original application April 15, 1938, Serial No. 202,201. Divided and this application April 2, 1941, Serial No. 386,468
17 Claims. (Cl. 18—58.5)



1. The method of making a rubber article which comprises producing a shaped body of non-porous unvulcanized rubber constituting the article proper, applying to at least a portion of the surface of said body a coating of latex foam, collapsing the foam, and drying and vulcanizing the rubber article.

2,434,036
PRESS
Marvin L. Donohoo, Pearl, Ill.
Application November 10, 1944, Serial No. 562,812
1 Claim. (Cl. 100—44)



The herein described plunger support for a press of the character described, said support comprising a pair of elongated members flattened at one end and hingedly supported as a rule joint on a supporting stud at one side of the press, the opposite end portions of the support members being flattened to meet in overlapped relation and bifurcated to engage a supporting stud on

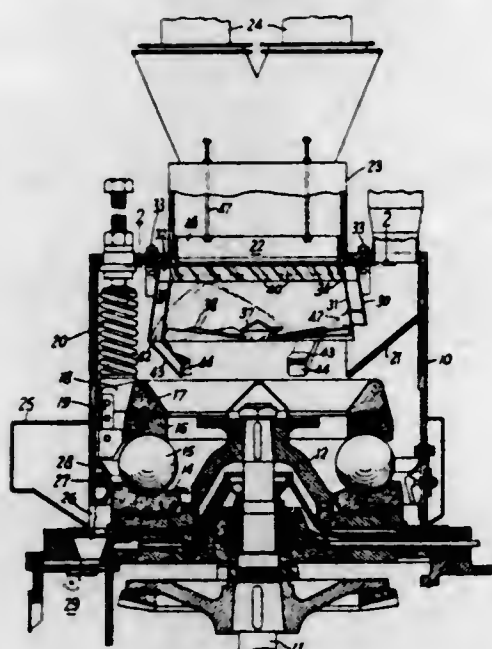
the press diametrically opposite the stud which supports the hingedly connecting end portions of said support members, and means adjacent the bifurcated end portions of said members for releasably retaining said members in closed relation, the meeting sides of said support members being recessed semi-circularly midway between the ends thereof and screw threaded so as to provide a screw threaded bore for the reception and operation of the screw threaded stem of the press plunger in the closed position of said support.

2,434,037

MATERIAL CLASSIFIER

George B. Ebersole, Akron, and Lester L. Leach, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application April 2, 1943, Serial No. 481,518
4 Claims. (Cl. 209—139)



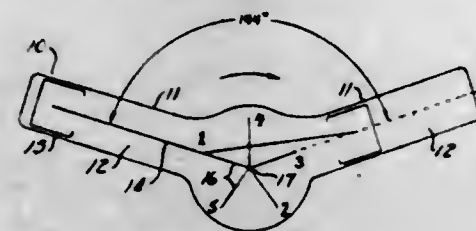
1. A material classifier comprising a pair of vertically extending inner and outer upright frusto-conical casing members arranged to form an annular space therebetween and inlet and outlet openings for air-borne material at the lower and upper ends respectively of said inner casing member, the upper part of said inner casing member being formed to provide a separate substantially annular entrance for oversize material into said annular space, stationary baffle means in said inlet opening constructed and arranged to swirl the entering air-borne material upwardly through said inner casing member, a vertically adjustable baffle for varying the effective height of said annular entrance, means subdividing at least the lower portion of said annular space into chutes, and a valve controlled trap at the lower end of each chute.

2,434,038

INTERNAL-COMBUSTION ENGINE

Henry Ford, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application August 11, 1943, Serial No. 498,143
2 Claims. (Cl. 123—55)



1. In a four-cycle internal-combustion engine, two banks of cylinders each having five cylinders

arranged in line, said banks being positioned at an angle of 144° to each other, pistons in said cylinders, a common crankshaft interposed between said banks, said crankshaft having five throws arranged at angles of 72°, connecting rods leading from said pistons to said crankshaft throws with the connecting rods from the pistons in opposite cylinders engaging respective throws of the crankshaft, said throws being successively angularly disposed from one end of the crankshaft to the other in such order that the pair of adjacent cylinders at each end of each bank fire successively in that bank and that intermediate the successive firing of each said pair of cylinders, a cylinder fires in the other bank near the opposite end of the crankshaft.

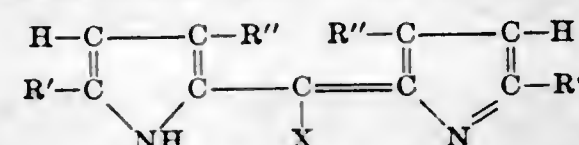
2,434,039

MANUFACTURE OF NEW PYRROLE COLOURING MATTERS

Eric Paul Goodings and Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 9, 1943, Serial No. 494,126. In Great Britain July 13, 1942
5 Claims. (Cl. 260—240)

4. A process for the manufacture of meso-substituted 2,4-tetraaryldipyrromethines which comprises oxidizing a 2,4-tetraaryldipyrromethane having the formula set forth in claim 1 and recovering a compound of the formula:



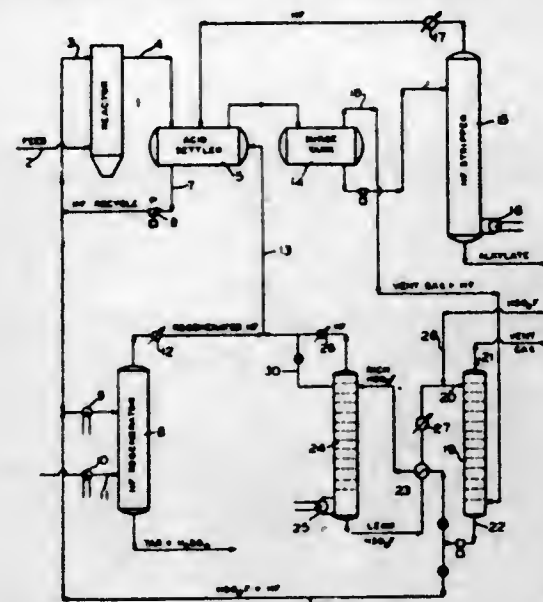
where R' and R'' are aryl radicals and X is a monovalent organic radical of a type corresponding to that radical in an aldehyde of the formula XCHO, wherein X constitutes the residue of said aldehyde.

2,434,040

HYDROGEN FLUORIDE RECOVERY

Benjamin F. Hartman, Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application December 18, 1945, Serial No. 635,759
3 Claims. (Cl. 260—683.4)



3. In a process for the catalytic alkylation of isoparaffins with olefins by contacting a reactant mixture of isoparaffins and olefins with liquid hydrogen fluoride, settling the resultant mixture to produce a hydrocarbon phase and a hydrogen fluoride phase, venting light gases from the hydrocarbon phase, regenerating at least a portion of the hydrogen fluoride phase by removing dis-

solved hydrocarbons therefrom and returning the regenerated hydrogen fluoride to said contacting step, said process resulting in dilution of the hydrogen fluoride by water entering the system; the steps which comprise scrubbing the gases vented from said hydrocarbon phase with fluosulfonic acid to remove hydrogen fluoride therefrom and produce a solution of hydrogen fluoride in fluosulfonic acid and adding at least a portion of said solution to the hydrogen fluoride in said regeneration step to react with water contained in the hydrogen fluoride from said hydrogen fluoride phase.

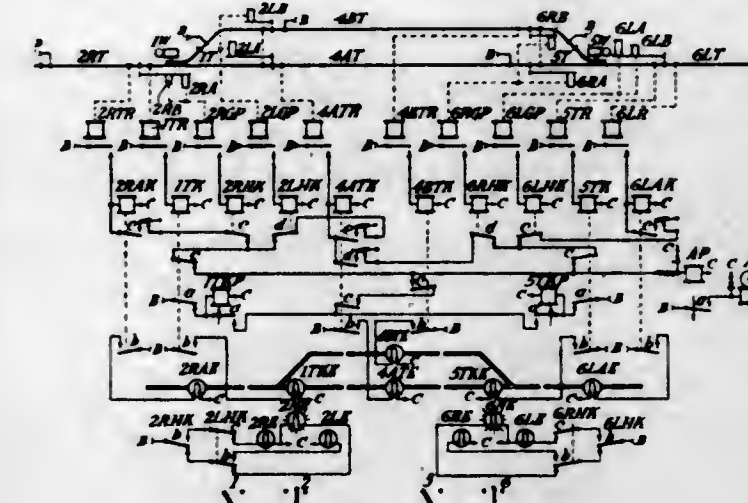
2,434,041

ANNUNCIATING AND INDICATING APPARATUS

James M. Hesser, Roanoke, Va., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 28, 1944, Serial No. 556,193
5 Claims. (Cl. 246—124)

1. Train annunciating apparatus for indicating traffic movements in a stretch of railway track



comprising, a first and a second track section in said stretch, a signal for governing the movement of traffic from said first section to the second section, a track indication relay for indicating the condition of occupancy of said first track section, a signal indication relay for indicating the position of said signal, an audible signal device, and a circuit for energizing said device controlled by said indication relays including a contact closed momentarily by said track indication relay when a train enters said first track section and a contact closed by said signal indication relay only when the signal is in its stop position.

2,434,042

THRESHOLD SEAL AND LOCKING DEVICE

Charles R. Hunter, Camden, N. J.
Application February 13, 1946, Serial No. 647,341
20 Claims. (Cl. 20—64)



1. A sealing device for a frame having an opening and a movable closure therefor, comprising registering channels in said frame and closure, a sealing element received in one of said

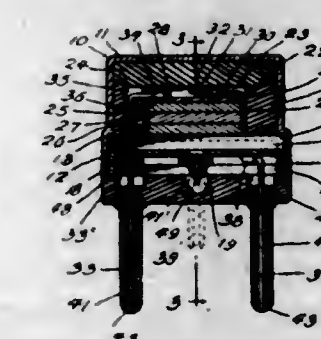
channels and elevatable into sealing engagement with both said channels, oscillatory actuating means engaging the underside of the element for elevating said sealing element into sealing position and rectilinearly reciprocable operating means movable transversely of said sealing element for controlling said actuating means.

2,434,043

HERMETICALLY SEALED CRYSTAL ASSEMBLY

Henry Kershaw, Belleville, N. J.

Application December 8, 1944, Serial No. 567,259
8 Claims. (Cl. 171—327)



1. A hermetically sealed crystal assembly comprising a metallic casing having one end closed and the other end open, an insulating housing mounted within the casing, electrodes mounted within the housing to receive a crystal between them, means to move the electrodes together, a metallic head arranged within the open end of the casing and having a gas tight joint therewith, the head having apertures, means to evacuate the metallic casing through one aperture of the head, a wire electrically connected with one electrode and extending thru the other aperture, an insulating bead to seal the wire within its aperture, a second wire electrically connected to the head, an insulating base arranged upon the open end of the casing and covering the metallic head, and terminals carried by the base and electrically connected with the wires.

2,434,044

GLOVE AND METHOD OF MAKING THE SAME

Louis Levine, Jersey City, N. J., assignor to Julius Kayser & Co., New York, N. Y., a corporation of New York

Application December 23, 1944, Serial No. 569,518
12 Claims. (Cl. 2—169)

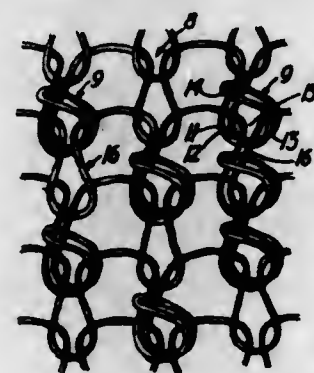


1. A glove having digital sheaths comprising fourchettes and front and back trunk finger pieces, and stitching seaming said finger pieces together at their tips, said fourchettes having edges overlying and bordering and directly engaging said finger pieces close to the margins thereof and forming substantially U-shaped ridges merging into said tip seams, said fourchettes partially concealing the widths of the back trunks of the sheaths and the seamed front and back trunks forming smooth finger tips at the apexes thereof.

2,434,045

KNITTED FABRIC AND METHOD

Vincent Lombardi, Miami, Fla., assignor to Lombardi Knitting Machine Co., Inc., Miami, Fla., a corporation of New York
Application November 9, 1944, Serial No. 562,622
40 Claims. (Cl. 66—169)

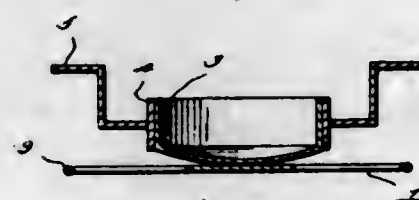


1. A knitted fabric comprising a plurality of extents of yarn united by means of a knot wherein in one extent of yarn passes through the bight of a loop thereof to form a double eyelet through which another extent of yarn passes.

2,434,046

EGG SEPARATOR

Joseph A. Magnesi, Pittsburg, Calif.
Application December 26, 1945, Serial No. 637,208
1 Claim. (Cl. 146—2)



In an egg-separating device, the combination, which comprises an egg yoke-receiving cup having a vertically disposed band with a dished convex base forming a closure for the lower end, radially disposed arms extending outward from the center of the lower surface of the convex base of the cup and permanently secured thereto, a ring concentric with the cup connecting the outer ends of the radially disposed arms, a superimposed cutting band freely slidable over the band of the cup, and bars extending outward from oppositely disposed points intermediate the height of the superimposed band, then upward to a point spaced from the upper edge of the band, and then outward providing handles for said superimposed band.

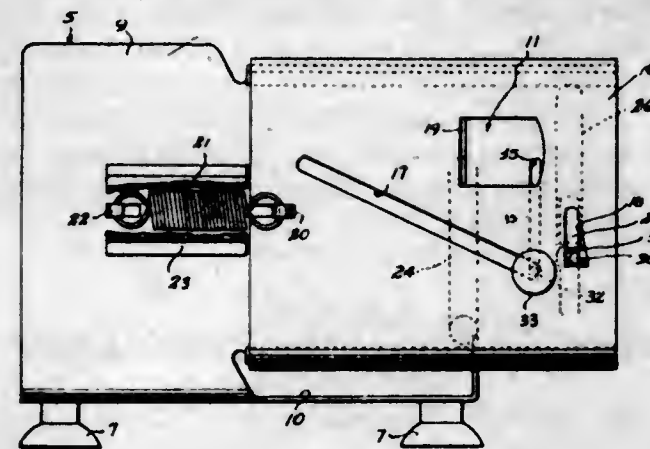
2,434,047

BOBBY PIN DISPENSER AND SPREADER

James E. McArthur, San Francisco, Calif.
Application June 28, 1946, Serial No. 680,115
5 Claims. (Cl. 132—1.1)

1. A dispenser and spreader for bobby pins comprising a base adapted to be secured to a support, a slide reciprocally mounted on said base, spring means for retracting said slide inwardly after manual movement thereof to outward operated position, magazine means for holding a plurality of stacked bobby pins in unsprung position on said base, selector means on said slide for selectively engaging the eye of the lowermost bobby pin, and spreading means comprising a spreading pin carried by said slide and an element on said base, said pin and said element being positioned between the legs of the bobby pin

in the initial position of said slide, operating means worked by outward movement of said slide relative to said base for moving said pin transversely to the direction of movement of the slide away from said element with said selector means



engaged with the eye of the bobby pin so as to spread one leg of the bobby pin away from the other leg thereof as the bobby pin is drawn outwardly as said slide moves outwardly relative to said base.

2,434,048

MANUFACTURE OF ALLOYS CONTAINING MOLYBDENUM

George Leslie Miller, Hornchurch, England, assignor to Murex Limited, a corporation of Great Britain

No Drawing. Application February 21, 1945, Serial No. 579,155. In Great Britain March 8, 1943

10 Claims. (Cl. 75—3)

1. A process for the production of firm coherent masses of a molybdenum oxide which comprises incorporating a small proportion of ammonium molybdate with molybdenum oxide in powdered form in the presence of water, pressing the mixture, and drying the pressed product.

2,434,049

LIGHTING FIXTURE

Robert G. Nordquist, Glen Ellyn, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois

Application July 30, 1943, Serial No. 496,748

5 Claims. (Cl. 240—51.11)

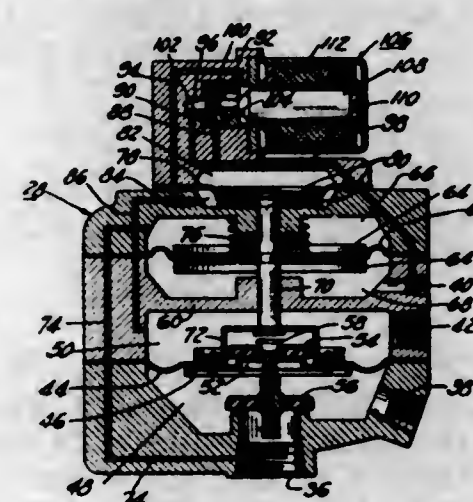


4. In a lighting fixture of the type described, a source of light and a light transmissive panel adjacent said source having a plurality of relatively narrow sections extending transversely of the source and arranged in side-by-side succession longitudinally of the source, each of said sections comprising a transparent condensing lens portion and a non-transparent light blocking element, said lens portion being rounded on the outer surface of each of the sections opposite the source and having uniform light condensing action along its transversely extending dimension, said light blocking element being disposed substantially in its entirety internally of said outer panel surface and to one side of the lens portion to prevent emanation of certain rays angled longitudinally of the source, said outer panel surface being ribbed longitudinally of the source by said rounded lens portions and being free of other external projections.

2,434,050

TRACTOR-TRAILER BRAKE SYSTEM

Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 21, 1945, Serial No. 636,319
6 Claims. (Cl. 188—3)

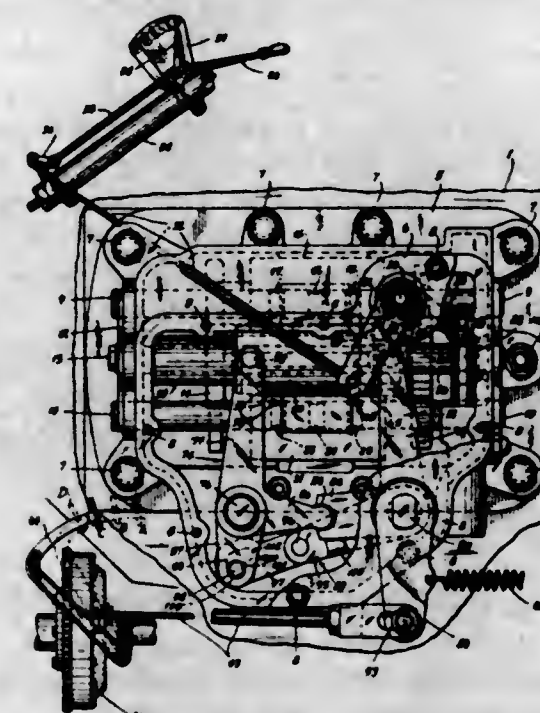


1. In a tractor-trailer brake system having a differential pressure power device for operating the trailer brakes, a differential pressure power device for operating the tractor brakes, a relay valve controlling the trailer power device, a control valve which regulates both the tractor power device and the relay valve, and an operator operated member which actuates the control valve; in combination, a pressure-responsive member arranged when urged in one direction to cause an increase of the pressure differential in the trailer power device, a passage connecting one side of said pressure-responsive member to a constant pressure source, a normally closed passage adapted when open to connect the other side of said pressure-responsive member to a given pressure, and a valve element automatically operated almost immediately after the operator operated member is actuated to open the last-named passage.

2,434,051

PRESELECTIVE POWER DRIVE CONTROL SYSTEM

Glenn T. Randol, Muncie, Ind.
Application April 14, 1945, Serial No. 588,394
14 Claims. (Cl. 74—334)



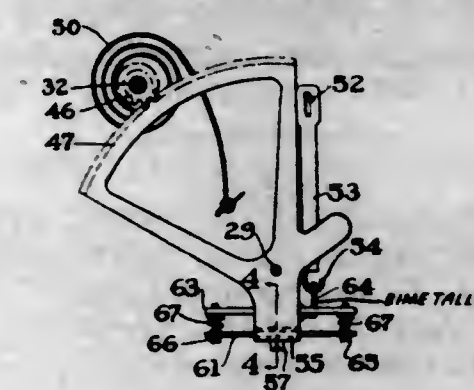
1. In control mechanism for a change speed transmission having shiftable elements for controlling the speed ratios, concentric sleeves mounted for relative axial sliding movement and simultaneous rotation, means for selectively con-

necting the shiftable elements to each sleeve by rotation of the sleeves, means for rotating the sleeves, and means for simultaneously sliding the sleeves in opposite directions.

2,434,052

MOTION TRANSMITTING LINKAGE FOR INSTRUMENTS

Eldon D. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio
Application November 26, 1943, Serial No. 511,813
4 Claims. (Cl. 73—407)

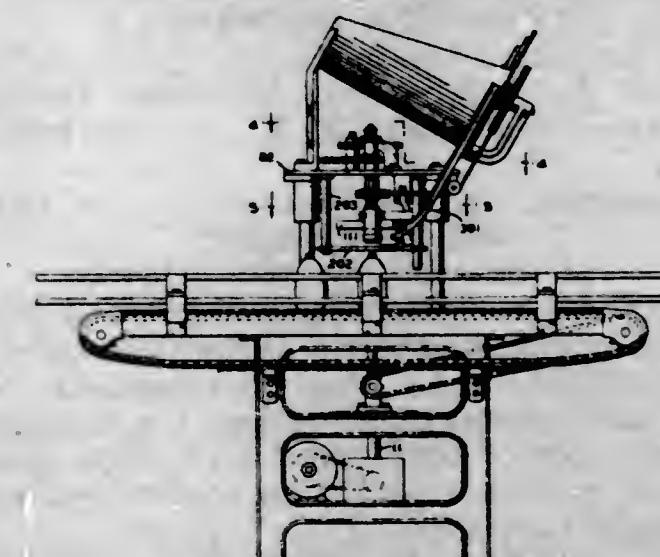


3. In a gage having a motor and a pivotally mounted actuated device; means for transmitting motion from said motor to said device comprising a pinion fixed to the pivot for said device; a pivoted sector disposed in meshing engagement with said pinion; link means connected with said motor; a coupling connected with said link; means connecting said coupling and said sector, said means having a pair of strip-like plates, said coupling being carried by one of said plates; means connecting said plates, said means providing for independent adjustment of the end portions of said plates toward and away from one another; and means connecting said plates to said sector, said means providing for lateral adjustment of said plates and said coupling as a unit relative to the pivotal axis of said sector.

2,434,053

CAP FEEDING MACHINE

Manuel S. Resina, Brooklyn, N. Y.
Application March 12, 1945, Serial No. 582,233
3 Claims. (Cl. 226—88)



1. In a machine of the character described means for transferring a cap from a cap chute to a cap applying chuck, said means comprising a rotatably mounted arm having a cap engaging head positioned on the free end of said arm, means for resiliently impelling said arm so that the cap engaging head is in the path of the cap applying chuck, means for reciprocating said arm beyond cap receiving position, and thence to cap receiving position, means for rendering said arm dormant beyond the cap receiving position when there is no container present in cap receiving position.

2,434,054

MODIFIED POLYMERS OF OPEN CHAIN MONOETHYLENICALLY UNSATURATED COMPOUNDS HAVING A TERMINAL METHYLENE GROUP

Milton John Roedel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 20, 1943, Serial No. 479,879

1 Claim. (Cl. 260—87)

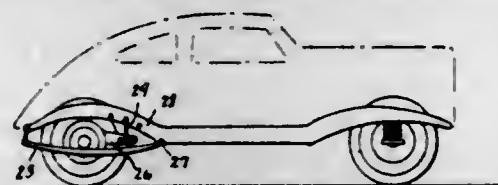
A process which comprises polymerizing a mass, the polymerizable portion of which consists solely of vinyl acetate, in the presence of a peroxy catalyst and approximately 2% by weight of said vinyl acetate of lauryl mercaptan.

2,434,055

VEHICLE BRAKE MOUNTING MEANS

Christian H. Sauer, Chico, Calif., assignor to J. T. Alm, Chico, Calif.

Application August 4, 1942, Serial No. 453,501
11 Claims. (Cl. 188—2)



1. A vehicle comprising front and rear wheels and a body sprung thereon, a brake drum fixed to a rear wheel, a brake shoe cooperable with said drum, a carrier for said shoe capable of movement with said shoe upon engagement of said shoe with said drum when said drum is rotating, and one-way-acting means connecting said carrier and body effective to transmit the said movement of said carrier to said body to tend to move the rear end of the body downwardly relative to said rear wheel during braking when the vehicle is moving forwardly, and means other than said connecting means for limiting reverse movement of said carrier upon engagement of said shoe with said drum during reverse travel of the vehicle.

2,434,056

PREPARATION OF ANTHRIMIDE-CARBAZOLE DYESTUFFS

Glen M. Smyth and John Francis Cullinan, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 16, 1943, Serial No. 506,572

18 Claims. (Cl. 260—316)

1. A process of converting a compound belonging to the group consisting of dianthrimides and polyanthrimides into the corresponding carbazoles, which comprises heating the anthrimide in the presence of anhydrous aluminum chloride in a liquid medium containing trichlorobenzene as its principal ingredient.

2,434,057

MEANS FOR INDICATING THE ANGULAR DISPLACEMENTS OF A SHAFT AT A DISTANCE

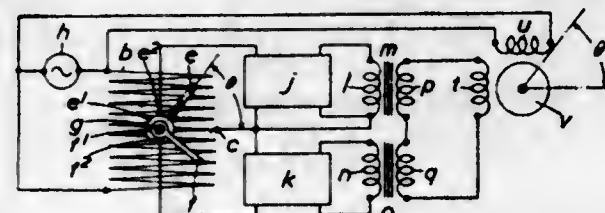
Donald Orr Sproule, London, England, assignor of one-half to Henry Hughes & Son Limited, Essex, England, a British limited liability company

Application February 26, 1946, Serial No. 650,362
In Great Britain March 30, 1944

7 Claims. (Cl. 177—351)

2. Means for indicating the angular displacements of a shaft at a distance comprising a centre

tapped potentiometer winding, a source of alternating electrical current feeding a sine wave input to the ends of said winding, a first electrically insulated brush mounted on said shaft and disposed to contact with the individual turns of said winding, a second electrically insulated brush mounted on said shaft at right angles to said first electrically insulated brush and disposed to contact with the individual turns of said winding, a phase shifter in circuit with said first brush, a

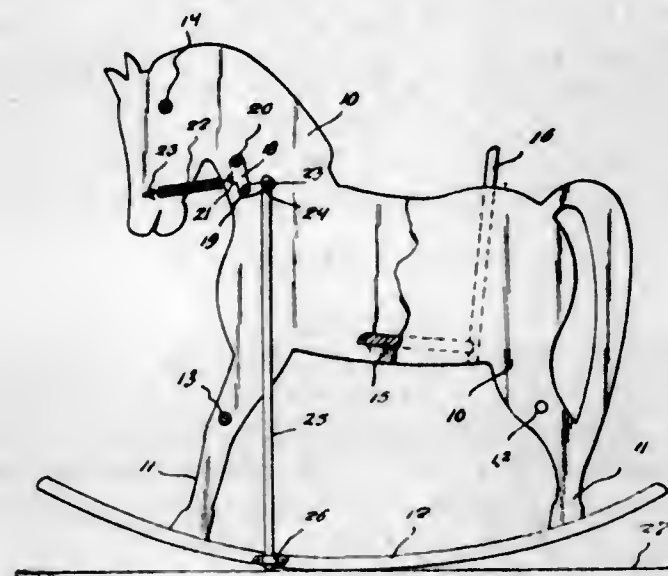


first transformer the primary of which is fed with the output potential from said phase shifter and said centre tap, an attenuator in circuit with said second brush, a second transformer the primary of which is fed with the output potential from said attenuator and said centre tap, means for connecting the secondaries of said first and said second transformers in series and means for comparing the variable phase of the output from said secondaries with the steady phase of the said sine wave input.

2,434,058

ROCKING HORSE

Walter J. Stenzel, Mount Clemens, Mich.
Application June 18, 1946, Serial No. 677,444
2 Claims. (Cl. 272—52)



1. In a rocking horse, a pair of rockers, side plates mounted on said rockers, a seat positioned between said side plates, bell crank members mounted on each side plate, a transverse bar secured to the extremity of one arm of each bell crank lever extending transversely between said bell crank members and connecting the same, rods pivotally secured to the extremity of the other arm of each bell crank member and extending below said rockers, and guide brackets for said rods secured to each rocker.

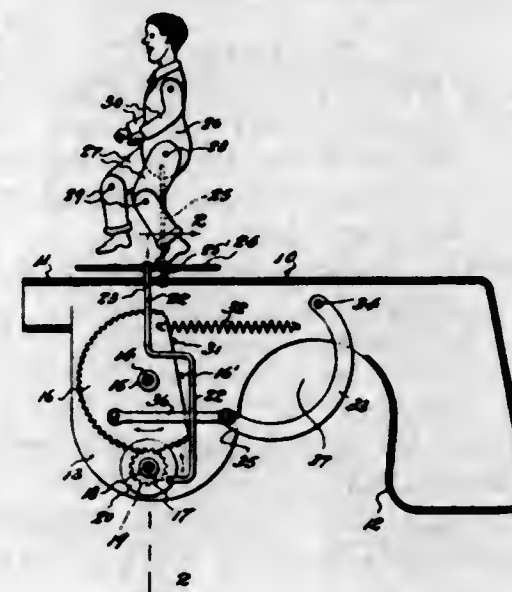
2,434,059

DANCING FIGURE TOY

Daniel B. Swayze, Newark, N. J.
Application March 2, 1946, Serial No. 651,446
3 Claims. (Cl. 46—137)

1. A dancing figure toy comprising in combination a pistol-shaped casing, a jointed figure supported exteriorly from said casing by means attached to said casing, an exterior platform below said figure, vertically reciprocable means for supporting said platform, a crank-wheel mounted

within said casing for reciprocating said latter means, gearing also mounted within said casing for actuating said crank-wheel, said casing having a hand grip portion of the pistol grip type, a



pivoted trigger member in finger engageable relation to said hand grip portion, and a link interconnecting the free end portion of said trigger member with said gearing, whereby movement of said trigger member actuates said gearing.

2,434,060

TETRAACETYLRIBONAMIDE AND PROCESS OF MAKING IT

Max Tishler, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application July 26, 1945, Serial No. 607,261

2 Claims. (Cl. 260—488)

2. The process that comprises reacting ribonamide with acetic anhydride in the presence of zinc chloride to produce tetraacetylrisonamide.

2,434,061

RACEMIZATION OF α -HYDROXY- β,β -DIMETHYL-GAMMA-BUTYROLACTONE

John Weijlard, Westfield, and John Paul Messerly, Clark Township, Union County, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application March 13, 1945, Serial No. 582,576

6 Claims. (Cl. 260—344)

1. The process for racemizing dextro-rotatory α -hydroxy- β,β -dimethyl-gamma-butyrolactone that comprises heating the lactone under substantially anhydrous conditions in the presence of a non-polar solvent and with a substance selected from the group consisting of alkali metal carbonates, alkali metal hydroxides and alkaline earth metal hydroxides, at a temperature above 100° C. and below about 200° C., for at least twelve hours.

2,434,062

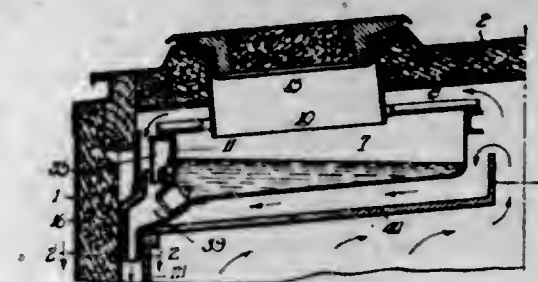
REFRIGERANT TANK FOR REFRIGERATOR CARS

Edwin R. Battley and George E. McCoy, Montreal, Quebec, Canada

Application March 17, 1945, Serial No. 583,354
7 Claims. (Cl. 62—17)

1. In a railway refrigerator car having a roof, a wall, a flue forming part of said wall, a liquid refrigerant container adjacent said roof and provided with overflow and drain openings; a duct

communicating with said overflow and drain openings and said flue to conduct liquid from said

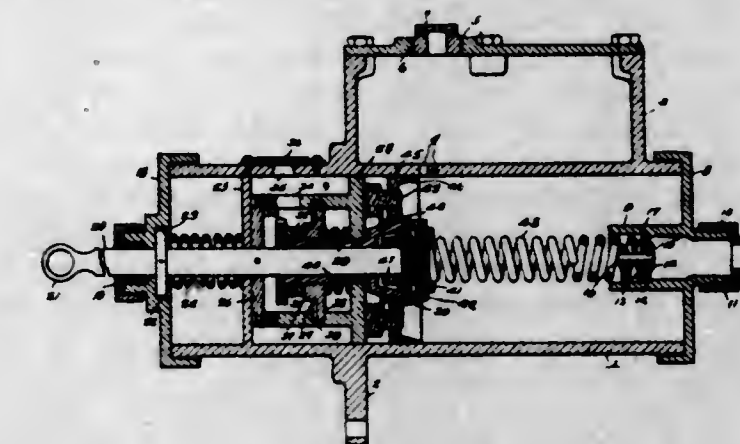


overflow and drain openings directly into said flue.

2,434,063

MASTER CYLINDER FOR HYDRAULIC BRAKES

Roy E. Birchfield, Shreveport, La.
Application July 13, 1945, Serial No. 604,738
2 Claims. (Cl. 309—34)

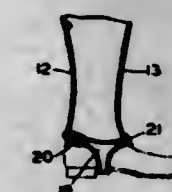


1. The combination with a piston rod and a cylinder, of a piston carried by the rod and slidably mounted relative to the cylinder, a sleeve on the rod slidably engaged by the piston, spring restrained means in the piston for limiting the movement of the piston in one direction relative to the sleeve, adjustable means on the sleeve and within the piston for limiting the relative movement of the piston and the sleeve in the opposite direction, packing carried by the rod and having a working fit against the cylinder and one end of the piston, and means carried by the sleeve and shiftable thereby for expanding the packing relative to the cylinder.

2,434,064

LEG GUARD

Lewis L. Bredin, Oxford, Mich.
Application November 15, 1946, Serial No. 710,156
2 Claims. (Cl. 2—22)

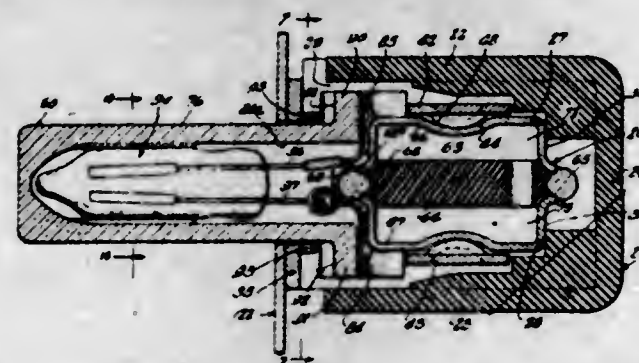


1. A leg guard of the character described, comprising a body member shaped to fit approximately the inner half of the lower limb of the wearer and provided at its upper and lower ends with means for detachably securing it in place, the lower securing means including an instep strap attached to the body member and adapted to extend below the instep and provided with two branches both adapted for securement to the body member, one extending behind the heel and the other over the instep.

2,434,065

ILLUMINATED SAFETY SWITCH

Joseph F. Courtney, Chicago, Ill.
Application December 29, 1945, Serial No. 638,389
9 Claims. (Cl. 200-167)

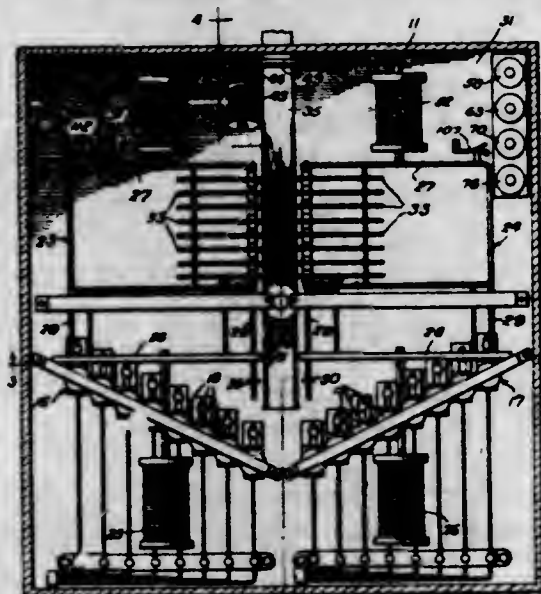


1. An electric actuating member assembly comprising a handle member for actuating a switch, said handle member having an elongated projecting body, said body being formed with an internal chamber extending longitudinally of the body, a glow lamp in said chamber and extending longitudinally thereof and supported by the walls of said body, said glow lamp having its terminals protruding at one end of said body for connection to an electric switch device which is to be actuated by said actuating member, said body being formed at said latter end with a transverse enlargement, said enlargement being formed with a chamber portion for receiving a resistor, and a resistor connected to one of the terminals of said glow lamp and located in said chamber portion extending transversely to the glow lamp, said transverse portion of said body being formed with a pair of surfaces for engaging a mercury switch unit, and each of said surfaces being engaged by a connector to be confined between said surface and the mercury switch unit, one connector being connected to a terminal of the lamp and the other to the free terminal of said resistor, said transverse portion being provided with a pair of laterally projecting flanges to be engaged by a pair of spring members for holding the actuating member and connectors in engagement with said mercury switch unit.

2,434,066

CHESS GAME RECORDER

Arthur W. Fey, Hazleton, Pa.
Application December 7, 1945, Serial No. 633,417
15 Claims. (Cl. 234-1.5)



1. In apparatus for recording a game upon a record strip, a playing surface having spaces marked thereon upon which game pieces are to be moved, type bars having characters which are collectively indicative of the position of playing spaces on the board, means operable by pressure being exerted upon said playing surface to select

the type bars which together have characters conforming to the position of the space pressed on the playing surface, and means to cause the selected type bars to make an impression upon the record strip.

2,434,067

SHORT DELAY FUSE ELEMENTS

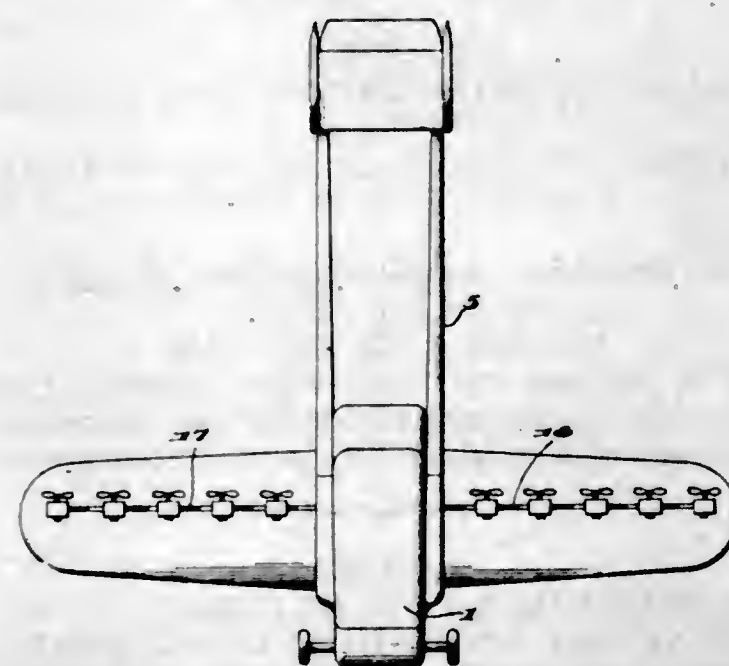
Joseph C. W. Frazer, Baltimore, Md., and Owen G. Bennett, Forest Hills, Pa., assignors to Catalyst Research Corporation, Pittsburgh, Pa., a corporation of Maryland
No Drawing. Application March 26, 1943, Serial No. 480,600
4 Claims. (Cl. 52-1)

3. A high speed fuse composition consisting of an intimate mixture of sulfur, finely divided nickel produced by distillation of mercury from a nickel amalgam, and an inert diluent, the composition reacting with extreme rapidity when ignited and producing only solid reaction products.

2,434,068

ROADABLE AIRPLANE WITH FOLDING AND DETACHABLE WINGS

John Harlin Geisse, Madison, Wis.
Application October 5, 1944, Serial No. 557,335
2 Claims. (Cl. 244-2)



1. In combination in an airplane, a body, a tail assembly, means detachably connecting said tail assembly to said body, wings, means detachably connecting each of said wings to said body and other means pivotally mounting each of said wings on said tail assembly.

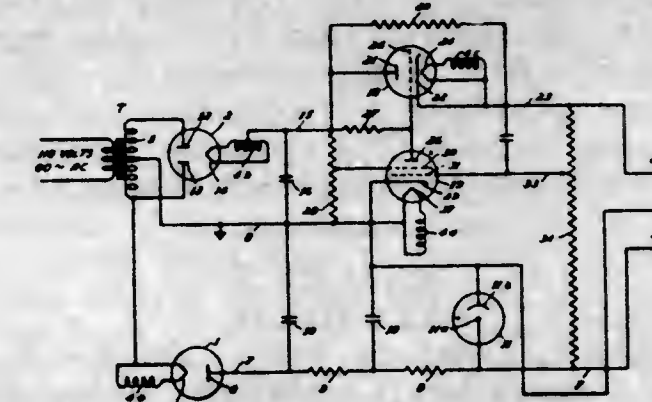
2,434,069

ELECTRONICALLY REGULATED POWER SUPPLY

Harold Goldberg, Irondequoit, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application February 7, 1944, Serial No. 521,457
7 Claims. (Cl. 175-363)

1. In combination, a source of alternating current, a rectifier connected to said source and arranged to provide a negative voltage relative to a given voltage such as ground, means related to the output of said rectifier for maintaining the voltage output thereof at a substantially fixed reference potential, a second rectifier connected to said source and arranged to provide a positive voltage relative to said given voltage, and means comprising a variable impedance element connected in series in the output circuit of said second rectifier, said element being jointly con-

trolled by the output of said second rectifier and by said reference potential for maintaining the

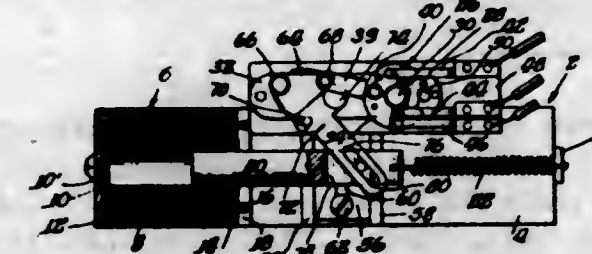


voltage of the output of said second rectifier at substantially a predetermined value.

2,434,070

FLASHER

Henry R. Gross, Chicago, Ill.
Application April 8, 1943, Serial No. 482,252
10 Claims. (Cl. 172-126)

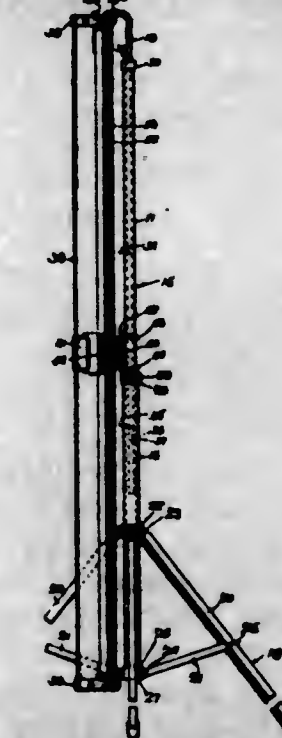


1. A flasher switch unit comprising, an electric actuator, a pair of flasher switch contacts for controlling the energization and deenergization of said actuator and a load circuit, and a switch operator, said operator having a plurality of dead center positions past which it is moved by said actuator, and means for making and breaking the switch contacts only upon movement of the operator past one of said dead center positions whereby to maintain the circuit to the actuator unchanged during the movement of the actuator.

2,434,071

PICTURE SCREEN SUPPORTING STRUCTURE

John T. Heck, Elmhurst, and Leo J. Du Mais, Chicago, Ill., assignors to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois
Application May 12, 1944, Serial No. 535,363
8 Claims. (Cl. 160-24)



1. In a supporting structure employing a plurality of telescopic members, the uppermost pair of telescopic members cooperating to support a reeled screen web in extended condition, one of said pair of telescopic members having

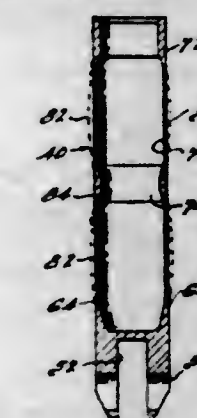
606 O. G.-9

the screen web reel permanently secured thereto, means on the other of said pair of telescopic members for attachment of the free end of the screen web thereto for supporting predetermined exposed lengths of the screen web unwound from the reel, means on said telescopic members cooperating to retain them in adjusted positions the said one telescopic member being adjustable with respect to the lowermost member, and means coacting with said one and lowermost telescopic members for facilitating manual adjustment thereof.

2,434,072

TAPPET CONSTRUCTION

Joseph H. Hoern and Martin D. Archangell, Birmingham, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 21, 1944, Serial No. 541,410
4 Claims. (Cl. 123-90)

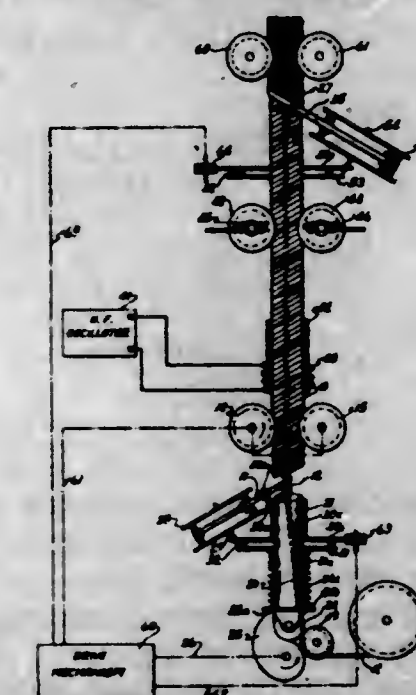


1. A hollow tappet body of circular cross-sectional configuration having substantially imperforate thin side walls of such thickness that unless otherwise prevented such thin side walls will radially expand, without permanent deformation, under the compressive loads to which it is subjected in service, and a circumferentially unbroken rib integral with said side wall on the interior thereof and intermediate the ends of said side wall, said rib being axially elongated and of a length relatively greater than either its radial thickness or thickness of the wall of the tappet body whereby to reverse the tendency of said side wall, over the axial length of said rib, to radially expand under said compressive loads in service.

2,434,073

METHOD AND APPARATUS FOR MAKING INSULATED CABLE

Hans D. Isenberg, Wilmette, Ill.
Application February 8, 1946, Serial No. 646,464
13 Claims. (Cl. 57-6)

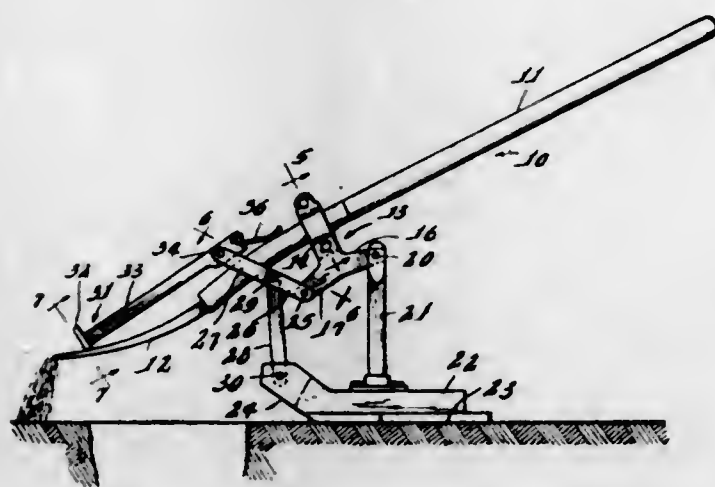


1. Apparatus for making insulated cable having an inner conductor, comprising means for

forming a continuous filamentary element of insulating material into helical convolutions disposed along the length of said conductor, means for so controlling the formation of said convolutions that certain thereof are radially displaced from said conductor and the other convolutions engage said conductor at spaced points along the length of said conductor to support said certain convolutions from said conductor, and means for moving adjacent helical convolutions towards each other to form a continuous sheath surrounding said conductor.

2,434,074

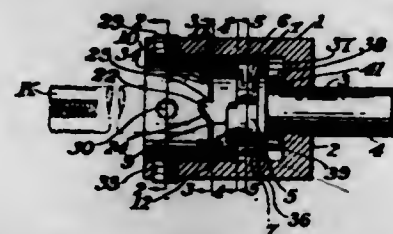
ATTACHMENT FOR DIGGING IMPLEMENTS
Frank E. Jeffers, Wheaton, Ill.
Application January 18, 1947, Serial No. 722,882
9 Claims. (Cl. 254—131.5)



1. An attachment for a digging implement having a handle and a ground inserting part comprising a foot adapted to rest on the ground and having a rigid standard extending upwardly therefrom, a rocker pivoted on the standard and arranged for securement to the handle, a load discharging device shiftable across the face of the part, link means connecting the rocker and the device, and a control arm pivoted on the foot and pivotally secured to an intermediate part of the link means, the link means being operable by the swinging movement of the handle in a load raising direction for actuating the device.

2,434,075

TOOLHOLDER
Zar W. Kelley, Bedford, Ohio, assignor to Z & W Machine Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 2, 1944, Serial No. 533,814
12 Claims. (Cl. 10—89)



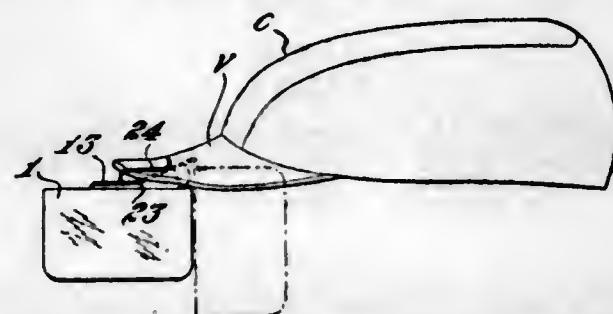
5. In a tool holder of the character described, a tool holding element having teeth thereon, a clutch member having teeth thereon engageable by the teeth of said element, whereby rotation of said element causes rotation of said clutch member, a second clutch member in engagement with said first clutch member, said first clutch member being movable axially upon said rotation

of said first clutch member to provide a clearance between said clutch members, and means operative upon disengagement of the teeth of said element from the teeth of said first clutch member to cause said first clutch member to close said clearance and provide a second clearance, equivalent in size to said first clearance between the teeth of said element and first clutch member.

2,434,076

EYESHIELD

Peter Kilham, Attleboro, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application April 9, 1945, Serial No. 587,303
3 Claims. (Cl. 2—10)

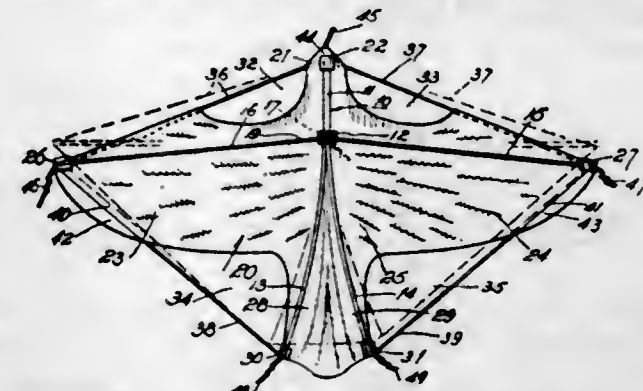


1. An eye shield comprising a transparent panel, a plate having integral portions constituting spring clips for detachably securing the plate to the visor of a cap, a pair of spaced brackets attached to the rear side of the plate, each bracket comprising a pair of parallel spaced resilient arms having aligned openings, a stud having a ball-head seating in the opposed openings and which is resiliently gripped between the arms of each bracket respectively, means fixing the studs to the panel near the upper edge of the latter, the brackets cooperating with the ball-head studs to define a pivotal axis about which the plate and panel may be swung, the plate also having integral resilient fingers depending from each end thereof, the finger at one end being adapted to engage the upper edge of said panel to hold it in operative position and the other finger adapted to engage the lower edge of said panel to hold it in inoperative position.

2,434,077

KITE

Sandy Lang, Chicago, Ill.
Application October 25, 1946, Serial No. 705,586
3 Claims. (Cl. 244—153)



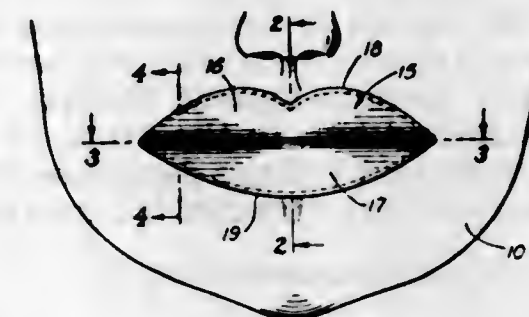
1. A kite comprising a vertical head rod, a pair of tail rods contacting the lower end of said head rod and extending diagonally downwardly, a sleeve attached to the rear of said head rod, a pair of substantially horizontal wing rods with their inner ends pivotally mounted in opposite ends of said sleeve, a pin with its front end attached to said sleeve and having a hook on its rear free end, a yieldable flexible member extending between and attached to said wing rods and also attached to said pin, a fabric facing having a head portion, an integral body portion and opposite wing portions, full skirted tail portions at-

tached to said body portion, the outer end of said head rod attached to said head portion, the outer ends of said wing rods attached to said wing portions, and the lower ends of said tail rods attached to said tail portions, guy lines extending between and attached to said wing and head portions and extending between and attached to said wing and tail portions, flapping portions at the bottoms of each of said wing portions, lead lines leading forwardly from and attached at their rear ends to the head portion, the body portion, the tops of each of the wing portions and the bottoms of each of the tail portions, a ring attached to the front ends of said lead lines, and a control cord of desired length attached to said ring.

2,434,078

LIP PROTECTOR DEVICE

Nathan Malerman, Forest Hills, N. Y.
Application August 10, 1946, Serial No. 689,772
6 Claims. (Cl. 2—174)



1. A lip shield device, said device comprising two lip covering parts adapted for arrangement upon outer surfaces of the lips of the mouth, said parts having edges conforming to the general contour of the mouth, means at end extremities only of said parts for yieldably coupling the same to provide movement of the parts toward and from each other in corresponding movement of the lips, and adjacent edge portions of said parts having rounded edges extending to said ends forming openings exposing inner surfaces of the lips for direct contact one with respect to the other when said parts are in close proximity to each other.

2,434,079

DIELECTRIC MATERIAL AND METHOD OF MAKING SAME

Robert D. Nutting, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 27, 1945, Serial No. 590,584
8 Claims. (Cl. 106—39)



1. A ceramic dielectric comprising an alkaline earth metal titanate chemically degenerated to contain 25% to 75% more titanium oxide (molar basis) than is shown by the formula $XTiO_3$ wherein X represents a member of the group consisting of calcium, strontium, barium and magnesium.

2,434,080

PUSH ROD

Leonard J. Rosa, Detroit, Mich.
Application November 5, 1945, Serial No. 626,878
7 Claims. (Cl. 123—90)

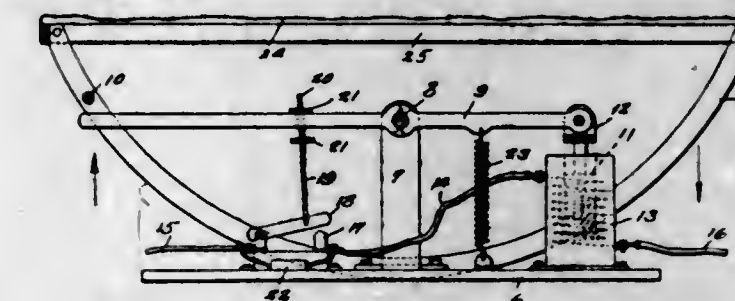


7. An engine push rod comprising an elongated rod, and a cap on at least one end of the rod, the side walls of said cap having a radially enlarged portion spaced axially from the inner end thereof, a portion of the rod in said cap entering said radially enlarged portion and a portion of the rod extending from and immediately adjacent to the cap being circumferentially enlarged and bearing against the end of the cap.

2,434,081

MECHANICAL OPERATING MEANS FOR ROCKER SUPPORTED BODIES

Harold G. Schlecht, Palatka, Fla.
Application November 2, 1945, Serial No. 626,352
2 Claims. (Cl. 172—126)



1. In a device of the class described, a body portion embodying a pair of spaced supporting rockers, a cross-bar connecting the rockers, an operating mechanism comprising an actuating arm pivotally mounted between the rockers, electrically-controlled mechanism adapted to operate the arm, embodying an electric circuit, a solenoid in the circuit, means for pivotally connecting the plunger of said solenoid to one end of said arm at a point at one side of the pivot of said arm, a control switch in the circuit, a rod adjustably connected with the actuating arm, at the opposite side of the pivot of the actuating arm and being connected with the control switch, said actuating arm adapted to move upwardly when the solenoid is energized, breaking the circuit to the solenoid, whereby said arm is moved into engagement with the cross-arm tilting the body portion rearwardly, said arm adapted to move in the opposite direction when the body portion swings forwardly, closing the circuit to the switch energizing the solenoid.

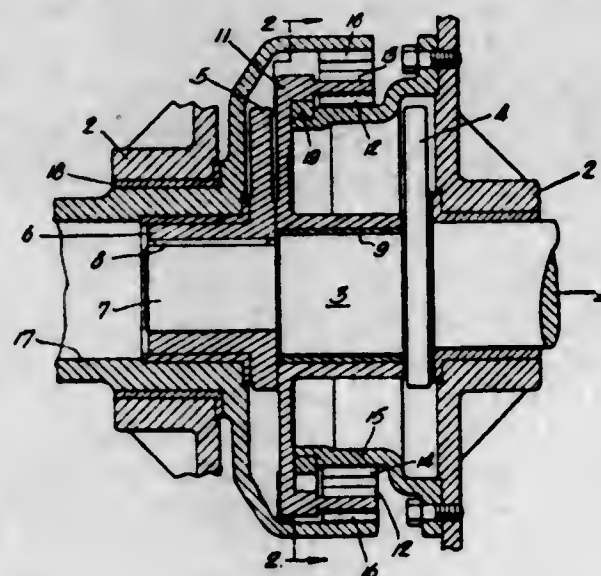
2,434,082

MECHANICAL MOVEMENT

John S. Sharpe, Haverford, Pa.
Application January 6, 1945, Serial No. 571,562
5 Claims. (Cl. 74—309)

1. A mechanical movement comprising a rotary element, a member journaled eccentrically on said element for movement in a circular path about and concentric with the axis of rotation of said element, a circular bearing for said member concentric with said axis, a gear having a pitch diameter corresponding to the effective di-

ameter of said circular bearing and coaxial with the latter, and said member including a gear

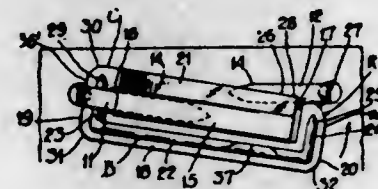


concentric with said eccentric journal and meshing with the gear first named.

2,434,083

FILE FASTENER

Harry D. Snyder, New York, N. Y., assignor, by mesne assignments, to Speed Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application April 18, 1944, Serial No. 531,556
3 Claims. (Cl. 24-153)

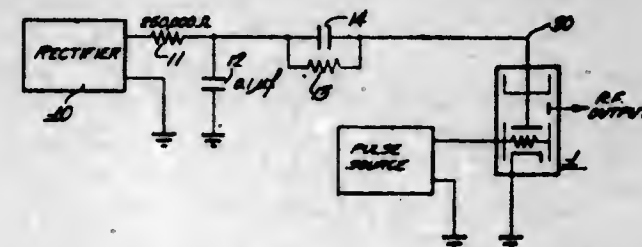


3. A one piece compressor, for a file fastener with a pair of spaced and flexible prongs extending from a base on which a stack is mounted and wherein said prongs are adapted to be bent against said stack, comprising: a relatively elongated plate having a hollow boss for removably interlocking with said prongs, a peripheral rim encompassing said boss and including a side marginal portion, a lower marginal portion, a wing and an upper tapered lip integral with said side marginal portion and substantially coextensive with the length of said boss and having a free edge sloping upwardly away from said side marginal portion, said plate having a slot extending from said edge to said lower marginal portion and arranged between said lip and wing and said boss and wing, said plate having a gap encompassed by said lip, side and lower marginal portions, and said boss; wedge means projecting from said side marginal portion and said wing and extending widthwise of said plate, said compressor adapted to be moved relative to said prongs of said pair whereby one of said prongs is removably received in said gap to permit rotation of said compressor relative to said last mentioned prong, said compressor adapted to be rotated towards the other prong of said pair to thread said last mentioned prong into said slot whereby said lip shifts over and said wing shifts under said last mentioned prong prior to interlocking of said boss with said prongs, said wedge means deforming said prongs to urge said boss and compressor towards each other and tightly against said stack, and reinforcing means disposed longitudinally of said lower marginal portion and including an offset finger manipulating portion.

2,434,084

PROTECTIVE DEVICE

William A. Stewart, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 30, 1943, Serial No. 512,383
5 Claims. (Cl. 250-27)

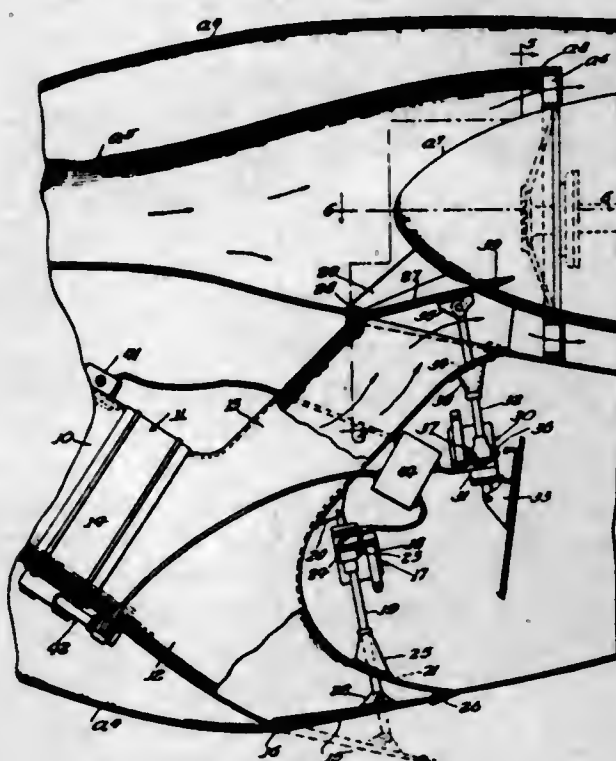


1. In an electrical circuit, an intermittently operable load device to which a predetermined voltage is applied during the operating periods thereof, said device being subject to internal arcing, a voltage supply source connected to said device, and a parallel resistance-capacitance circuit serially connected between said source and said device, the values of resistance and capacitance being such that during normal operation of said device the voltage applied thereto is substantially unaffected but, in the event of an arc within the device, said voltage decreases abruptly to a value below that required to sustain said arc.

2,434,085

OIL TEMPERATURE CONTROLLING APPARATUS FOR PUSHER TYPE AIRPLANES

Dalton B. Suggs, Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application April 13, 1945, Serial No. 588,182
11 Claims. (Cl. 244-57)



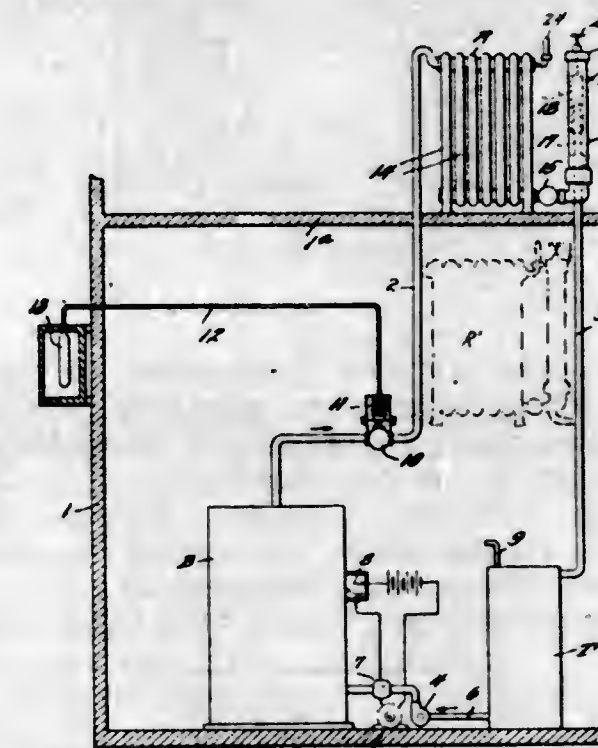
1. In combination with a pusher type airplane having a nacelle enclosed propeller driving engine and fan means for producing an air stream through the nacelle and around the engine for engine cooling purposes, an apparatus adapted to control the temperature of the lubricating oil for the engine and comprising a duct extending substantially lengthwise of the airplane and having its front end open to receive outside air and its rear end shaped to form a pair of branches, one of which is arranged to exhaust directly into outside air and the other of which leads to, and discharges into, the air stream for cooling the engine, an oil cooler for the engine disposed in

the duct in front of the two branches, and a pair of valves associated, respectively, with, and adapted to control the flow of air through, said branches.

2,434,086

HEATING SYSTEM

Samuel W. Traylor, Jr., Allentown, Pa.
Application December 7, 1944, Serial No. 567,043
3 Claims. (Cl. 237-9)



1. A heating system comprising a plurality of radiators each located within an enclosure and connected to a source of steam pressure through a common steam pressure regulating valve for regulating the pressure of steam admitted to the radiators, thermostatic control means located outside said enclosure and responsive to the rise and fall of outdoor temperature conditions for actuating said valve to decrease and increase respectively the steam pressure supplied to said radiators, a condensate overflow outlet for each radiator extending upwardly from the bottom of each radiator to an elevation substantially above the bottom of the radiator, whereby variation in steam pressure will vary the level of condensate in the radiator to vary the heating effect of the radiator, and manual means for each radiator to adjustably vary the height of the overflow outlet, whereby the relative heating effects of the separate radiators may be varied individually.

2,434,087

BREAD MAKING METHOD AND INGREDIENTS

Frederick C. Weber, Eastchester, N. Y.
No Drawing. Application January 23, 1945, Serial No. 574,198
11 Claims. (Cl. 98-90)

1. The method of making leavened bread which method includes mixing with the dough, before baking, substantially completely hydrolyzed protein material including a mixture of unseparated amino acids containing cystine in an amount equal to at least one part for every 40,000 parts of flour in the dough, fermenting the batch.

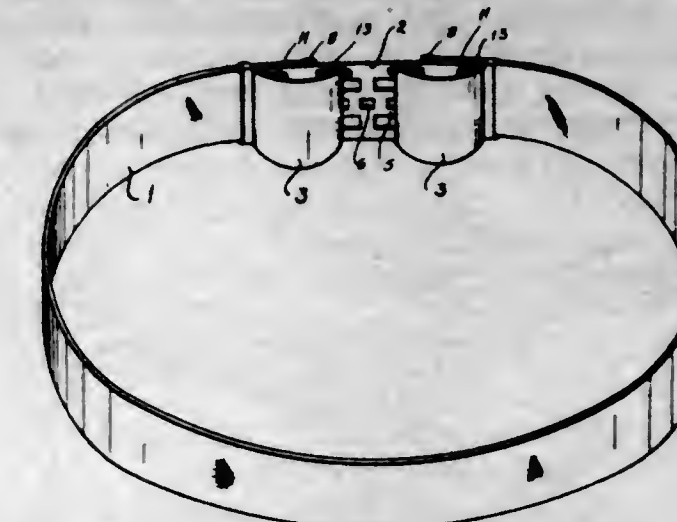
2,434,088

HERNIAL TRUSS

George Ajdukovich, St. Louis, Mo.
Application May 20, 1946, Serial No. 671,070
1 Claim. (Cl. 128-96)

In a hernial truss, a belt having a latching member on either end, a base member having

vertically disposed horizontal channels for rigidly mounting pads in horizontally variable position

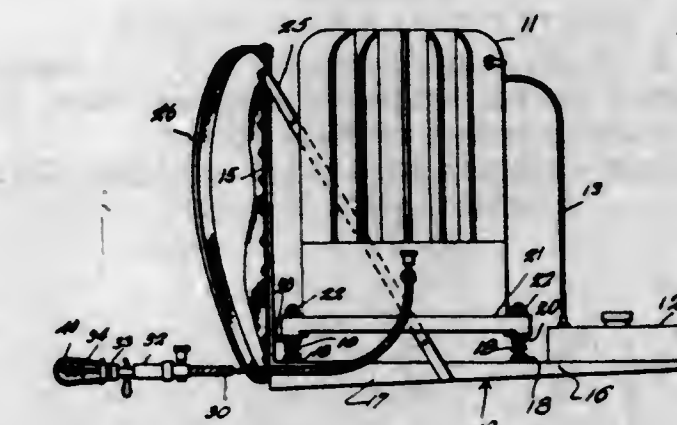


thereon, and a series of horizontal keepers on said base defining various positions of adjustment for the latching members.

2,434,089

PORTABLE DRILL TREE TAPPING MACHINE

Herbert E. Allen, Canton, N. Y.
Application July 14, 1944, Serial No. 544,951
2 Claims. (Cl. 224-5)



1. A portable power plant including a base plate, a back plate rigidly secured perpendicularly to said base plate upon a back edge thereof, a supporting harness secured to said back plate for carrying and suspending said power plant upon the back of a user, a pair of reinforcing and shielding bars attached at one end to the upper portion of said back plate and at their other end to the sides of said base plate intermediate thereof, an internal combustion engine mounted solely upon said base plate, resilient support means interposed between said engine and said base plate, a power take-off from said engine and a fuel tank connected with said engine and mounted upon said base plate, said engine being mounted upon the back portion of said base plate and adjacent said back plate but slightly spaced from said back plate to provide a dead air heat insulating space therebetween and between said reinforcing bars.

2,434,090

VENTILATOR FOR ENCLOSED SPACES

Thomas Alton, Elwick, West Hartlepool, England
Application January 21, 1944, Serial No. 519,104
In Great Britain January 18, 1943
4 Claims. (Cl. 236-49)

3. A ventilator for an enclosed space comprising an enclosure for said space, said enclosure having two openings therein, two pivoted flaps, one for each of said openings, each of said flaps being hinged at an edge thereof to said enclosure next an edge of an opening and adapted to be opened and closed to control the admission of fresh air to the said space, a temperature

inlet and an outlet at vertically spaced points, an upper and a lower pressure responsive means in the wall of said flow chamber at vertically spaced points between said inlet and outlet, operating means exterior of said chamber extending between said pressure responsive means, pivoted means for supporting said operating means at a point between said pressure responsive means, rigid adjustable means carried by said operating means adapted to contact said pressure responsive means, said operating means being adapted to be deflected from the initially adjusted position a distance proportional to the differential of the pressure applied to said pressure responsive means, and adjustable means tending to counterbalance the deviation of the pressure responsive means and said operating means from a balanced state.

2,434,099

HALOGENOPHENYLTHIO - 2,3 - EPOXYPROPANES AND HALOGENOPHENYLTHIO-2,3-PROPANEDIOLS

Euclid Wilfred Bousquet, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1945,
Serial No. 600,405

5 Claims. (Cl. 260—348)

1. 1-p-chlorophenylthio-2,3-epoxypropane.

2,434,100

2-CARBOXY-HALOGENO-1,4-THIA-CHROMANONE

Euclid Wilfred Bousquet, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1945,
Serial No. 601,919

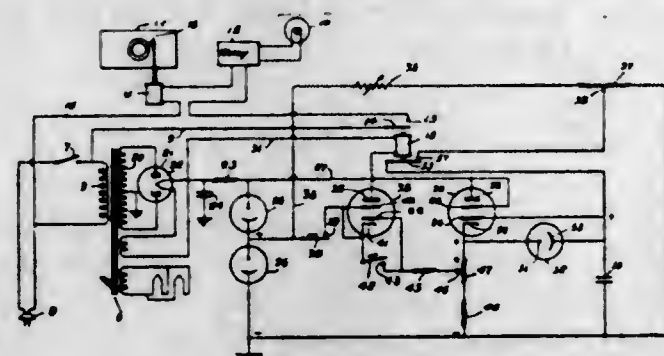
4 Claims. (Cl. 260—327)

3. A halogeno-2-carboxy-1,4-thiachromanone.

2,434,101

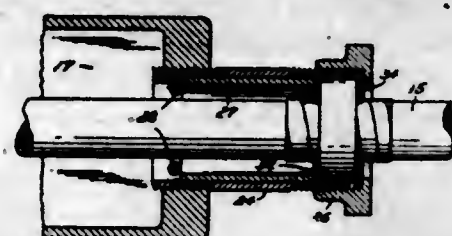
ELECTRONIC LIGHT INTEGRATOR

Arthur F. Cann, Danvers, Mass., assignor to Stevens-Arnold Company, Inc., Boston, Mass.
Application July 2, 1946, Serial No. 680,961
8 Claims. (Cl. 250—41.5)



1. An electronic light integrator for controlling the quantity of illumination supplied by a light source, comprising a phototube exposed to light from said source; a thermionic tube having a control grid, a cathode and an anode; a direct current power supply having its positive side connected to said anode; a cathode resistor connecting said cathode to the negative side of said power supply; a condenser connected at one side to said grid and connected at its other side to said negative side of said power supply, and means connecting said phototube to said cathode and to said side of said condenser connected to said grid.

2,434,102
DISTRIBUTING TERMINAL
James W. Channell, San Marino, Calif.
Application February 12, 1944, Serial No. 522,167
1 Claim. (Cl. 174—77)

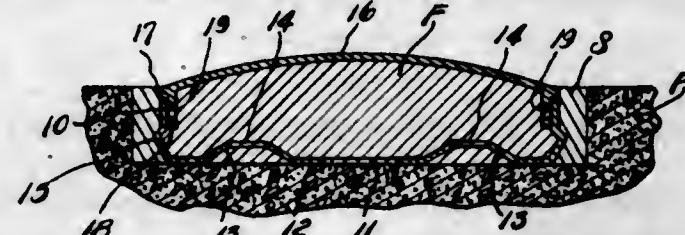


A distributing terminal comprising; a box-like shell having an open side; a branch-wire connection board constituting a closure for said side; co-axial nipples screwed through opposed walls of the shell; gland nuts at the outer extremities of the nipples; sleeves within the nipples which are slidable therein and withdrawable toward said shell; removable stops at the inner ends of the sleeves, to retain them within the nipples; and split washers adapted to constitute packing seats, abutting against the outer ends of said sleeves.

2,434,103

ROAD MARKER

James R. Elliott, Port Huron, Mich.
Application November 9, 1944, Serial No. 562,668
2 Claims. (Cl. 94—1.5)



1. A marking device of the class described comprising a rigid container formed with individual raised sections and perforations in the bottom wall thereof, a filler compound anchored in said container with its upper body portion projecting a predetermined distance above the upper edge of the container, a plastic skin forming a covering for the upper end of the container with the edges anchored in said container, and an overhanging rib formed on said covering, and disposed over the upper edge of the container.

2,434,104

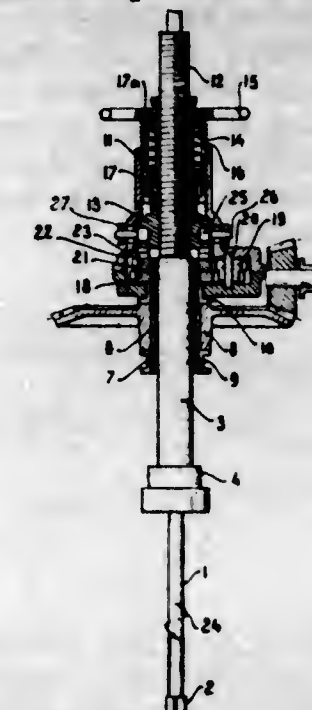
ROTARY DRILL

Cornelis J. Esseling, Haarlem, Netherlands, assignor to Werf Conrad En Stork Hilsch N. V. Haarlem, Netherlands, a company of the Netherlands
Application June 5, 1946, Serial No. 674,431
In the Netherlands February 20, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 20, 1962
1 Claim. (Cl. 77—32)

A rotary drill comprising, in addition to a bit secured to a threaded rotary stem engaged by a nut adapted to be rotated by the stem at a speed differing from that of the stem so that the stem is automatically screwed upward when the nut is arrested, a clutch in the transmission gear between stem and nut and adapted under the influence of the descending stem automatically to be thrown in to turn the nut in accordance with the descending motion of the stem, and a spring member encircling the stem and bearing with its bottom end against an abutment of the nut, said spring member bearing with its top end against an abutment of a tensioning member having a threaded hub adapted to be screwed up and down in a stationary casing accommodating the nut and the clutch, wherein the nut is also provided

with an abutment for the top end, and the tensioning member is also provided with an abutment

with an abutment for the top end, and the tensioning member is also provided with an abutment

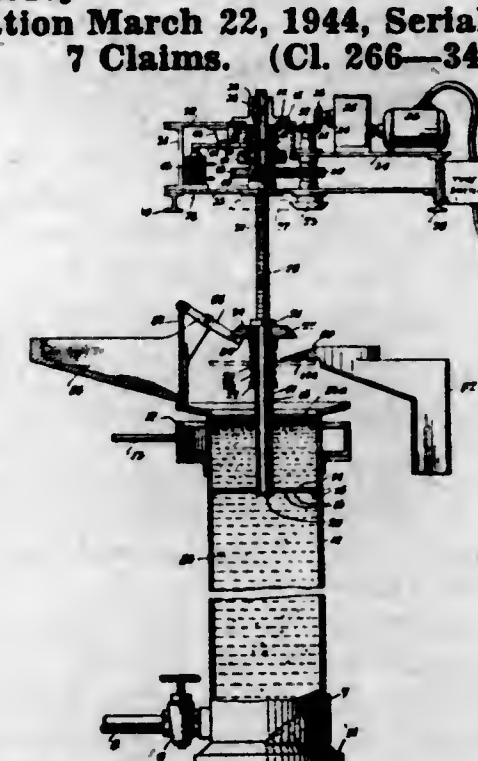


for the bottom end of the spring member, or of part of said spring member.

2,434,105

APPARATUS FOR DROSSING BULLION

Edward P. Fleming, Los Angeles, Calif., and Donald H. McIntosh, Corpus Christi, Tex., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application March 22, 1944, Serial No. 527,550
7 Claims. (Cl. 266—34)



1. In a system for separating dross from bullion, an elongate vertical column into which is charged and caused to flow downwardly the molten bullion to be drossed, means for charging the molten bullion to be drossed into said column, a conduit to draw off drossed bullion from the lower end of said column, and means positioned exteriorly of the upper end of the column for maintaining a hot zone in said column below the surface of the molten bullion therein while the molten bullion flowing downwardly from said hot zone is allowed to progressively cool by radiation alone.

2,434,106

IMPREGNATION OF CELLULOSIC MATERIAL
William E. Flood, Metuchen, and Edward Kosinszki, Fords, N. J., assignors to Catalin Corporation of America, a corporation of Delaware
No Drawing. Application January 13, 1945,
Serial No. 572,752
5 Claims. (Cl. 154—138)

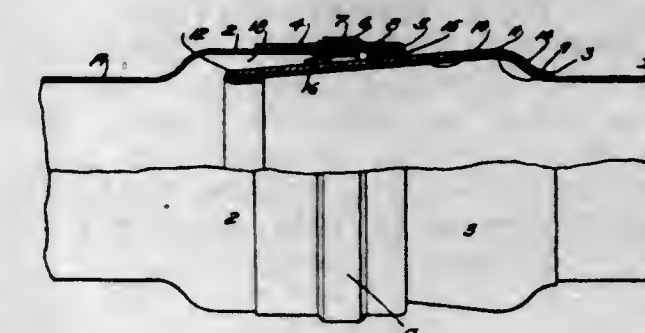
1. The method of impregnating cellulosic mate-

rial which comprises applying thereto styrene monomer and an inert volatile liquid that is a solvent for the said monomer and readily volatile, the monomer being dissolved in the solvent, warming the thus impregnated material to the polymerization temperature of the monomer while preventing loss of volatile solvent, and then evaporating the volatile solvent from the product.

2,434,107

PIPE JOINT

Rolfe A. Folsom, Burlingame, Calif.
Application March 29, 1944, Serial No. 528,630
1 Claim. (Cl. 285—163)

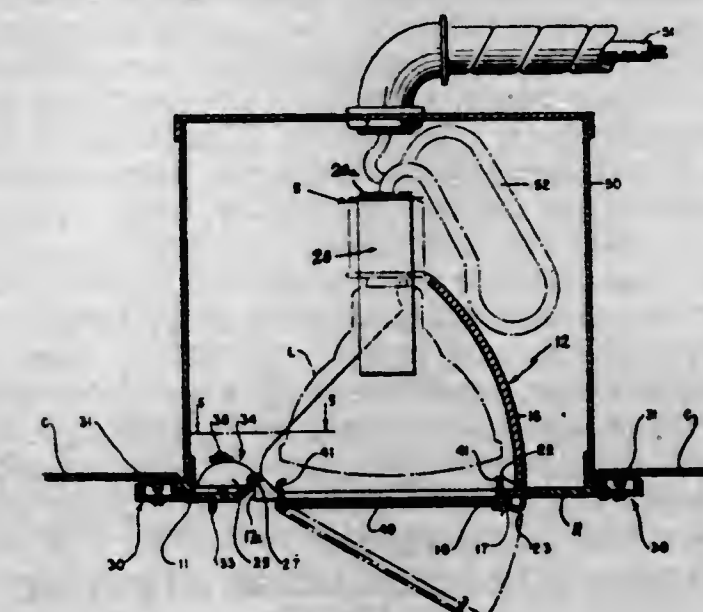


A pipe joint for connecting two adjoining pipe sections comprising an expanded section at the end of one pipe forming a bell, an expanded section adjacent the end of the other pipe, said expanded section tapering from a diameter larger than the pipe to a diameter substantially the same as the pipe to form a spigot insertable in the bell, an armor section enclosing and surrounding the bell, said armor having an annular intumed lip to reinforce the mouth of the bell, and an armor section enclosing and surrounding the spigot, said armor having an annular intumed lip to reinforce the end of the spigot.

2,434,108

LIGHTING UNIT

Harry Handler, Brooklyn, N. Y., assignor of one-half to Nathan Dworkin, Brooklyn, N. Y.
Application February 23, 1946, Serial No. 649,457
1 Claim. (Cl. 240—78)

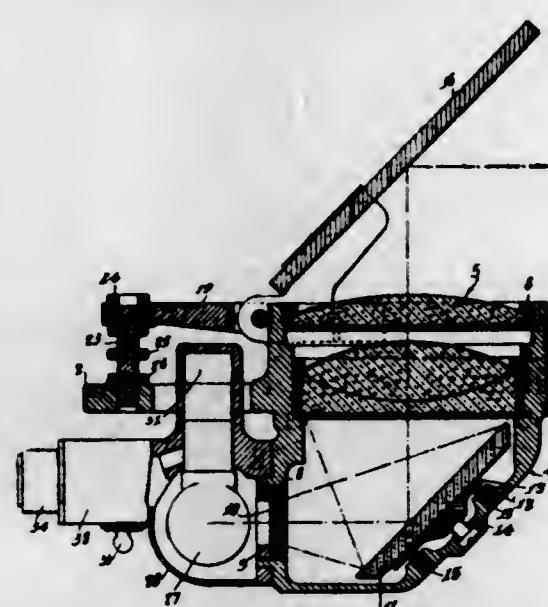


A lighting fixture unit of the character described, comprising a circular plate adapted to cover an opening in a wall or ceiling, means for supporting said plate in effective position over said opening and for manually axially rotating said plate, a member, said member comprising a rectangular bottom wall, a pair of substantially triangular side walls and an arcuate front wall, said plate having a rectangular shaped opening formed therein to conform to the shape of said

bottom wall of said member so that said member is matingly free to pass through said plate opening, means for pivotally mounting said member on said plate so that it may be manually moved inwardly and outwardly through said plate opening, an electric light socket carried by said member for movement therewith, said member having a light opening formed in its bottom wall, said side and front walls of said member being impermeate and opaque to prevent loss of light there-through, and means for maintaining said bottom wall of said member in a plurality of selected angular positions with respect to said plate.

2,434,109

AIRCRAFT GUN SIGHT HAVING ADJUSTABLE TRANSPARENT REFLECTOR MEANS
 Clarence J. Harasta, Los Angeles, Calif., assignor of twenty-five per cent to Robert M. Lynn, twenty-five per cent to Julia M. Lynn, and twenty-five per cent to Mildred A. Harasta
 Application August 12, 1944, Serial No. 549,155
 1 Claim. (Cl. 88-2.4)



A gun sight for an aircraft, comprising a holder for a lens system, said lens system having a vertical axis, a supporting plate attached to said holder and having an aperture, an arm pivoted to said holder and supporting a transparent reflector plate over said lens system, said arm having a portion extending above and spaced from said mounting plate, adjusting means engaging said mounting plate and said extension in said arm for adjusting the angular position of said arm, a lamp housing including a lamp-holding socket positioned for mounting the lamp suspended from said socket, said socket extending through the aperture in said mounting plate, an aperture in said lamp housing registering with an aperture in said holder, a reticle mounted within said latter aperture, and a reflector plate for reflecting light from said reticle to said lens system.

2,434,110

PROCESS FOR HYDRATING OLEFINIC ALDEHYDES

Lewis F. Hatch, Austin, Tex., and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

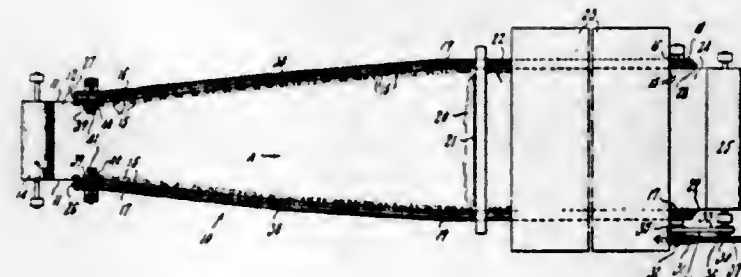
No Drawing. Application August 24, 1942, Serial No. 456,124

12 Claims. (Cl. 260-602)

1. A process for the production of 2-methyl propanol-3-al which comprises reacting α -methylacrolein with water in the presence of an acidic hydration agent.

2,434,111 METHOD OF MANUFACTURING ELASTIC FABRICS

Thomas G. Hawley, Jr., St. Paul, Minn., and Nicolai Timenes, Waterbury, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
 Application February 24, 1944, Serial No. 523,756
 9 Claims. (Cl. 117-7)



1. The method of making elastic fabrics comprising the successive steps of uniformly gathering up the opposite edges of a textile fabric, uniformly stretching said fabric transversely to and between said edges by gradual increments until the fabric has been contracted in the direction of the gathered edges, and rendering said fabric elastic by adhesively combining elastic rubber containing material with said textile fabric while said fabric is so stretched.

2,434,112
SLIP

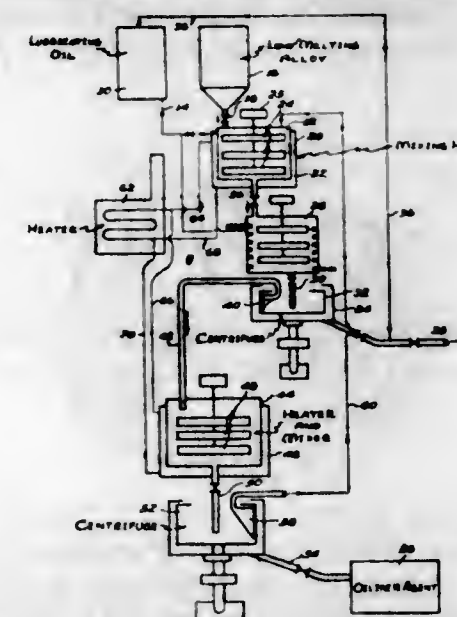
David I. Klein, New York, N. Y.
 Application May 3, 1946, Serial No. 666,996
 1 Claim. (Cl. 2-73)



A ladies' garment formed from a plurality of blanks of material including generally similarly-shaped blanks forming front and rear panels and extending from the upper to the lower edge of the garment, each of such blanks having a curved lower edge, inwardly-inclined vertical edges which terminate in outwardly-curved edge sections, and substantially V shaped upper edges forming the front and rear upper edges, respectively, of the garment, and side panels, each formed from a skirt blank having a curved lower edge, inwardly-inclined vertical edges, and a concavely-curved upper edge, and a waist blank having a concavely-curved lower edge which is joined to the upper edge of the skirt blank to form a waist-line seam, the waist blank further having a convexly-curved edge adjacent the front panel, the grain line of the material in the skirt blanks lying generally on the straight relative to a vertical median line of the garment, and the grain line of the material in the remaining blanks lying on a bias relative thereto, the opposed edges of the side panels being joined to the adjacent edges of the front and rear panels.

2,434,113 SELECTIVE ADSORPTION OF LUBRICANTS

Henry W. F. Lorens, Jersey City, N. J.
 Application July 18, 1945, Serial No. 605,658
 15 Claims. (Cl. 196-1)



1. A method of extracting oiliness agent from a lubricating oil containing an oiliness agent comprising: thoroughly wetting a solid metal having a melting point below 200° C. with a lubricating oil to impregnate and coat the surface of the metal with oil, separating unattached oil from the metal, melting the metal to set free the attached oiliness agent and recovering the oiliness agent by gravity separation.

2,434,114

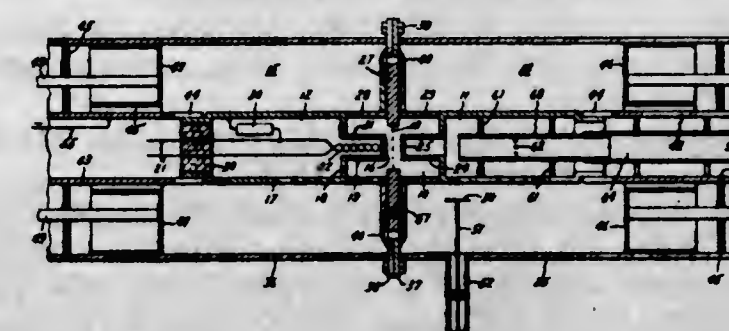
DENT FOR WEAVING REEDS
 John P. J. Lussardi, Roebuck, S. C., assignor to Andrews Company, Spartanburg, S. C., a co-partnership
 Application March 21, 1946, Serial No. 656,035
 4 Claims. (Cl. 139-192)



2. A dent for weaving reeds comprising a dent having a substantially rectangular cross-section, and a curved longitudinal bead spaced from either side edge of the dent extending from one of its larger sides, the dent having contiguous transverse straight sides at either end of the curved bead.

2,434,115 ELECTRIC DISCHARGE DEVICE AND CO-AXIAL LINE CAVITY RESONATOR THEREFOR

Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
 Application November 26, 1943, Serial No. 511,818
 9 Claims. (Cl. 315-39)



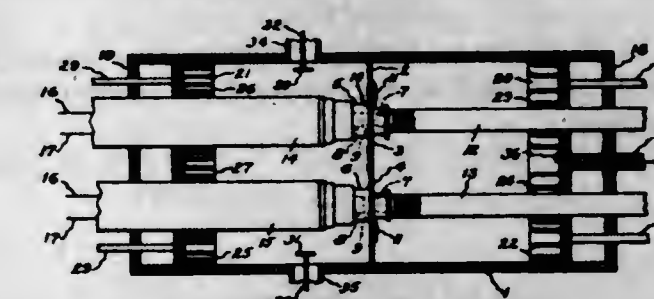
1. A high frequency cavity resonator apparatus comprising an electric discharge device including

cylindrical anode and cathode members of substantially equal diameter positioned in coaxial longitudinal alignment and having juxtaposed closed ends provided with axially extending mutually spaced portions of reduced diameter constituting an electron receiving surface and an electron emitting surface respectively, a transverse conductive member supporting a grid between said anode and cathode members in spaced relation to said portions, insulating means positioning said anode and cathode members and said conductive member in mutually spaced relation and forming a sealed region about said ends and said portions, said anode member and said cathode member constituting at least a portion of a continuous inner conductor of a concentric line interrupted only by said sealed region, and a cylindrical conductive member concentrically surrounding said device and constituting an outer conductor for said concentric line, said transverse conductive member being conductively attached to said cylindrical conductive member, said cylindrical conductive member forming with said anode and cathode members at least portions of a pair of cavity resonators one on each side of said grid.

2,434,116

ULTRA HIGH FREQUENCY RESONATOR DEVICE

Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
 Application December 29, 1944, Serial No. 570,257
 7 Claims. (Cl. 315-39)



1. An ultra high frequency system comprising a hollow conductive cylinder, a transverse wall located within said cylinder having a plurality of apertures, an electron discharge device extending through each of said apertures, each of said devices having a grid constituting a conductive extension of said wall across the associated aperture and an anode and a cathode disposed on opposite sides of said wall, conductors connected to the anodes of said devices extending longitudinally within said cylinder in parallel relation to the axis thereof and constituting with said cylinder a first cavity resonator on one side of said transverse wall, conductors connected to the cathodes of said devices extending longitudinally within said cylinder in parallel relation to the axis thereof and constituting with said cylinder a second cavity resonator on the opposite side of said transverse wall from said first cavity resonator, and conductive means constituting adjustable end walls for said resonators.

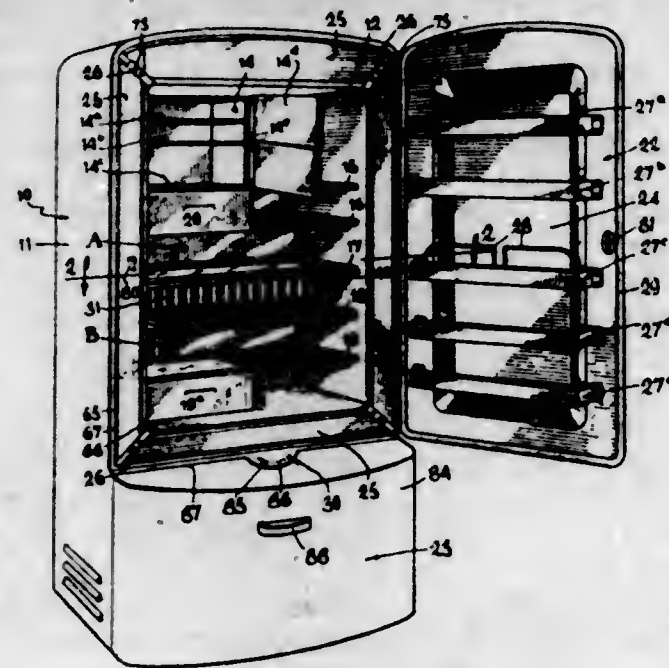
2,434,117

SHELF STRUCTURE WITH GUARD FOR REFRIGERATOR DOORS

Roland H. Money, Mount Healthy, and John W. Craig, Cincinnati, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation, a corporation of Delaware
 Application December 10, 1941, Serial No. 422,422
 6 Claims. (Cl. 312-186)

1. In a refrigerator door construction having a recessed portion interiorly thereof, and having

a storage shelf disposed partially within said recessed portion, said shelf comprising a bottom and a rail thereabove, a retaining guard of greater height in upright position than the rail secured



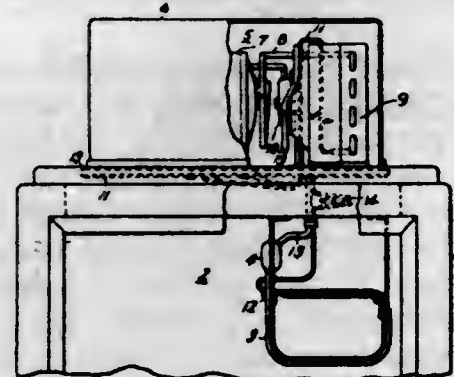
to and pivoted on the shelf bottom adjacent said rail whereby said guard may be moved about its pivots to upright position against said rail to provide a second retaining means disposed above the rail for retaining articles on said shelf.

2,434,118

RESTRICTOR TUBE FOR REFRIGERATING SYSTEMS

Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 18, 1945, Serial No. 605,810
3 Claims. (Cl. 62—127)

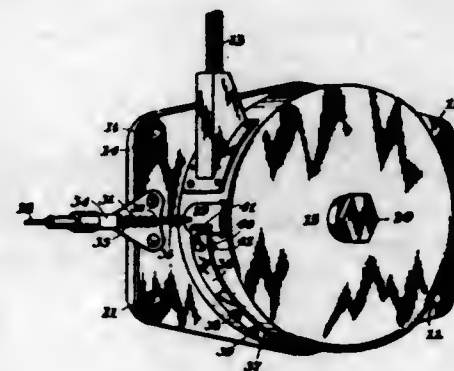


1. In a refrigerating system having high pressure and low pressure sides and including a refrigerant evaporating unit and a refrigerant liquefying unit connected in a closed circuit, said evaporating unit and said liquefying unit being on the low and the high pressure sides respectively of said system, a restrictor tube in said circuit separating said high and said low pressure sides for controlling the flow of refrigerant from said liquefying unit to said evaporating unit, the pressure drop through said tube during normal operation of said system being such that the temperature of refrigerant flowing through said tube falls below the freezing point of water in the tube before being discharged therefrom, said tube including a first section comprising the major portion of the length of said tube and a second section of increased cross sectional area, the relative lengths and cross sectional areas of said sections of said tube being such that substantially the entire temperature drop from 32° F. down throughout the normal range of operation of said system occurs in said second section of said tube.

2,434,119

AUTOMATIC REEL

Walter E. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 2, 1946, Serial No. 700,673
12 Claims. (Cl. 242—107)



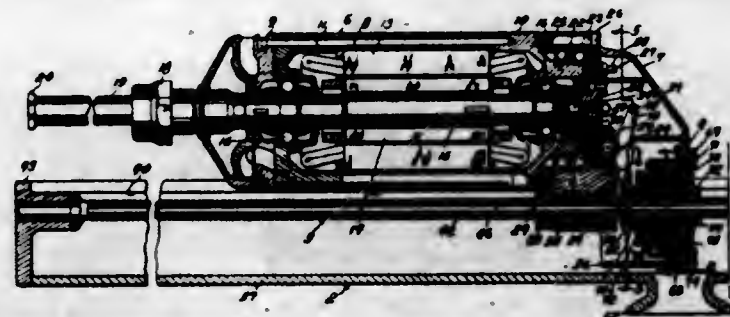
1. In a device of the class described, a base, a drum slidably mounted on the base and rotatable thereon, interlocking means on the base and the drum adapted to engage when the drum is slid toward the base, locking means operable by the sliding movement of the drum toward the base for automatically locking said drum in its slid position of interlocking engagement with the base, and manually operable means for releasing said locking means.

2,434,120

DRILLING APPARATUS

Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application March 10, 1944, Serial No. 525,869
24 Claims. (Cl. 255—47)



1. In a drilling apparatus, in combination, a drill rotating motor, feeding means for said drill rotating motor comprising cooperating feeding elements, one of which is rotatable and the other continuously held against rotation, power means the source of operating energy for which is separate from said drill rotating motor for rotating said rotatable element, and means responsive to changes in resistance to rotation of said drill rotating motor for automatically controlling the rotation of said rotatable element.

2,434,121

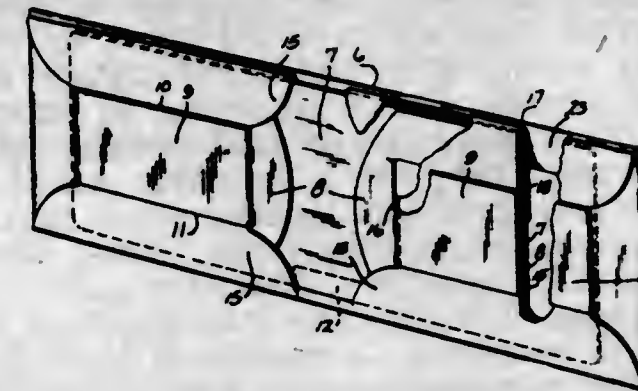
STITCHLESS BILLFOLD WITH INTERLOCKED CLOSURE FLAPS

William A. Pence, Adell, Wis., assignor to Enger-Kress Company, West Bend, Wis., a corporation of Wisconsin

Application November 24, 1944, Serial No. 564,923
8 Claims. (Cl. 150—38)

3. In a bill fold, an outer wall panel provided with a finishing flap at its upper margin and end and bottom marginal flaps superposed on each other and comprising an inner wall section, an extension on said bottom marginal flap folded downwardly behind said end marginal flap, and a tab on said extension connected at the end of the

bill fold with said outer wall panel, the finishing flap at the upper margin of the panel being folded



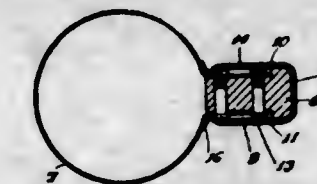
over said tab and provided with a cemented connection in interlocking relation thereto.

2,434,122

HANDLE FOR COFFEE MAKERS

Ludwig Reichold, Winsted, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut

Application March 24, 1944, Serial No. 528,007
8 Claims. (Cl. 215—100)



1. A handle having a grip portion, an end portion whereby said handle is fastened to a separate member, a fastening member in said end portion for fastening said handle to said separate member, and a mask covering the said fastening member; the said mask being retained in position by resilient engagement with said fastening member.

2,434,123

GROUND LINE BOND

Frederick George Ridgers and Charles Wellman Cassels, Hamilton, Ontario, Canada, assignors to N. Slater Company, Limited, Hamilton, Ontario, Canada

Application February 15, 1945, Serial No. 578,010
4 Claims. (Cl. 174—7)

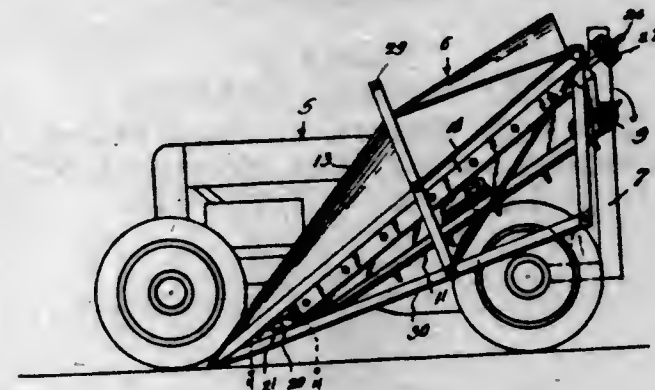


1. A ground rod and complementary pigtail, the latter consisting of a length of wire, one end portion of said wire being bonded to the rod, the unbonded portion of said wire being loosely looped and tied about the rod to form a half-hitch immediately above the bonded portion and from the looped and tied portion extending upwardly substantially free of the rod.

2,434,124

CORN HARVESTER

Edward J. Schaaf and Edwin F. Greedy, Anderson, Iowa, assignors to The Midwest Co., Nebraska City, Nebr., a corporation
Application September 22, 1944, Serial No. 555,316
9 Claims. (Cl. 56—103)

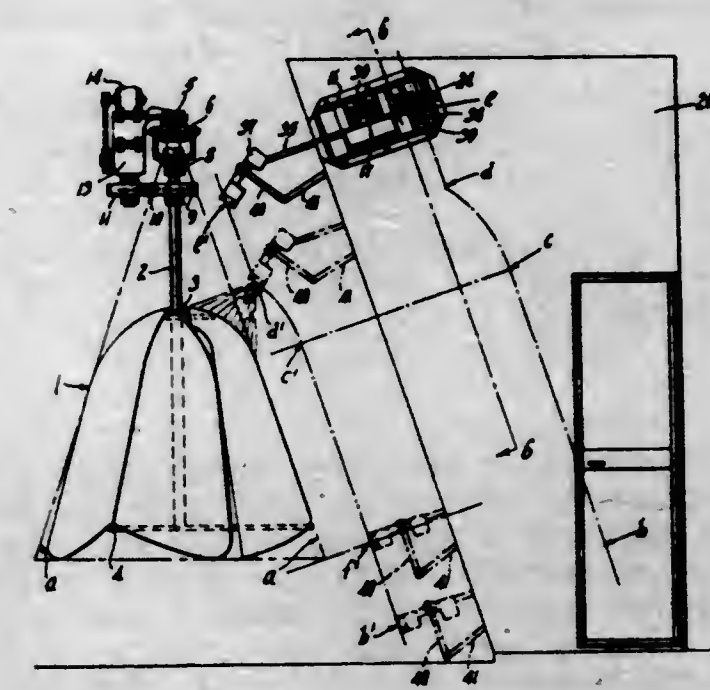


1. A corn harvesting machine for cutting ears of corn from stalks in the field comprising: a mobile vehicle frame; a stalk engaging guide mounted on said frame and extending longitudinally thereof in the direction of its travel; and a driven rotor journaled in the frame in substantially parallel spaced relation to said guide so as to provide an open front passageway to admit standing corn between the guide and rotor, said rotor having a cutting blade provided with a chamfered cutting edge extending outwardly a substantial distance from the rotor sufficient to cut through a corn stalk and traveling downwardly towards said guide, the guide being substantially coextensive with said cutting edge, and said rotor having a portion of its cutting edge spaced from said guide a distance less than the diameter of a stalk of corn whereby the guide and rotor cooperate to cut ears of corn from stalks passing therebetween.

2,434,125

PAINTING METHOD

Howard V. Schweitzer, Shaker Heights, Ohio
Original application October 1, 1941, Serial No. 413,173. Divided and this application July 8, 1943, Serial No. 493,836
8 Claims. (Cl. 117—104)



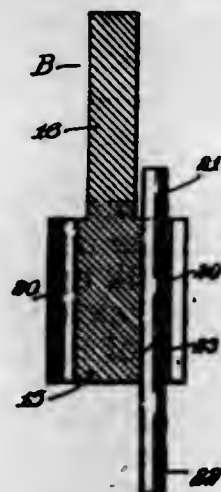
8. The method of coating generally coniform surfaces, which consists in imparting rotation to the coniform surface while directing a spray of coating material against the rotating generally coniform surface at the largest diameter thereof, and bringing about relative movement between said surface and said spray in the direction of the

axis of said surface at a rate gradually accelerated in degree corresponding to the graduality of the decrease in diameter of said surface, thereby to gradually decrease the amount of applied spray accordingly as the area to be sprayed decreases and provide a spray coating of substantially uniform thickness throughout the area to be spray coated.

2,434,126

EXPANSION REAMER

Henry R. Seifert, St. Paul, Minn.
Application April 5, 1944, Serial No. 529,568
5 Claims. (Cl. 77-75)

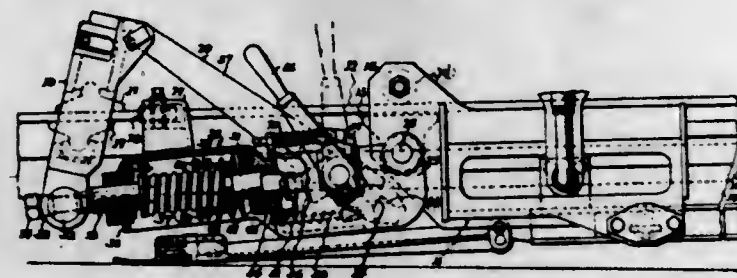


1. An expansion reamer comprising a body having a concentric shank extending therefrom, a series of angularly spaced cutter blades thereon, a plurality of angularly spaced apertures in said body extending parallel to the axis of said shank and positioned inwardly of said cutter blades, said apertures being of substantially equal diameter throughout the length, and means engageable in said apertures for expanding said body said means comprising two members at least one of which is provided with a wedge shaped end movable into wedging engagement with each other.

2,434,127

SHAKER CONVEYOR

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1946, Serial No. 670,490
9 Claims. (Cl. 198-14)



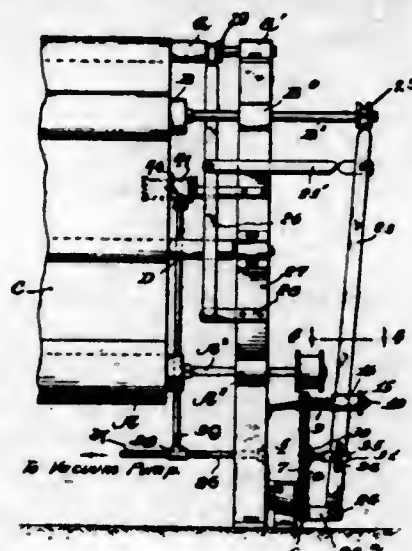
1. In a feeding apparatus for shaker conveyors, a reciprocating trough, an extensible trough, a carrier member, a link connecting one end of said carrier member with one of said troughs, another link connecting the opposite end of said carrier member with said one trough, friction grip means mounted on said carrier member for engagement with the other of said troughs, said links being rectilinearly movable with respect to said one trough, a holding cam selectively movable into engagement with one of said links to positively move said link with said reciprocating trough during the forward strokes of the conveyor, another holding cam selectively movable into engagement with said other link to positively

move said link with said reciprocating trough during the return strokes of the conveyor, to cause either of said links to exert a force on said carrier member in a direction to engage said grip means with said other trough during alternate strokes of the conveyor, to extensibly or retractibly move one of said troughs with respect to the other, and a stopping means associated with each of said holding cams, said stopping means associated with one holding cam being adapted to move one link with said reciprocating trough in an opposite direction from which said link is moved by its associated holding cam, and coming into position to engage one link when a holding cam for said associated link is in position to engage its respective link.

2,434,128

WEB GUIDING APPARATUS

William T. Stanford, Salem, Ill.
Application April 11, 1945, Serial No. 587,671
4 Claims. (Cl. 242-76)



2. In an apparatus for winding a web of strip material from one roll to another in edge to edge alignment, a supply roll, a winding roll, a tension roller, bearings for rotatably mounting said supply roll, bearings for rotatably and shiftably mounting the winding roll and the tension roller longitudinally along their axes, linkage means adapted to connect said winding roll and tension roller together, and a pilot member in contact with and traversed by said web having an elongated opening therein adapted to be variably exposed and closed by changes in position of the web for automatically and simultaneously actuating the linkage means and thus axially shift the winding roll and tension roller relative to the supply roll axis to thereby maintain the wound web edges in alignment on the winding roll.

2,434,129

VULCANIZING BUTADIENE POLYMERS

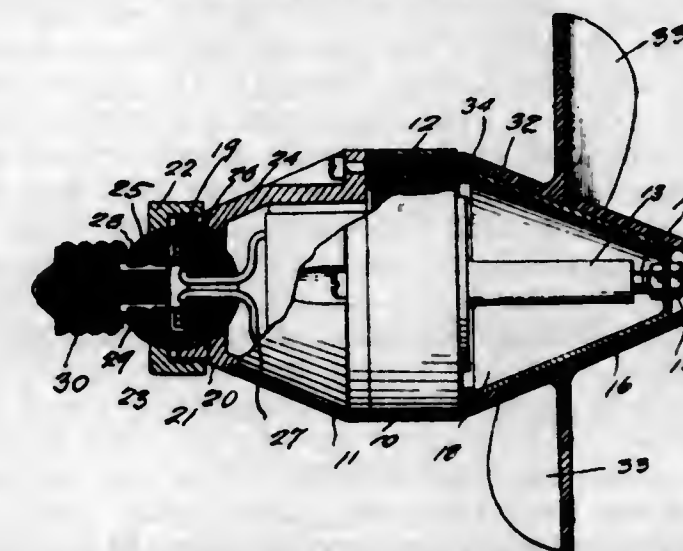
Monte C. Throdahl, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 17, 1945, Serial No. 573,316
18 Claims. (Cl. 260-84.5)

1. The process of vulcanizing a sulfur vulcanizable copolymer of a butadiene-1,3 hydrocarbon and an organic nitrile copolymerizable therewith which comprises heating in the absence of sulfur the copolymer having incorporated therein 2-10 percent by weight on the copolymer of a halide of a metal selected from the group consisting of chlorides and bromides of metals of the iron subgroup, manganese, and subgroups (b) of groups 1 to 6 inclusive of the periodic arrangement of elements.

2,434,130

ELECTRIC FAN UNIT

Howard B. Turner, Fostoria, Ohio
Application September 5, 1945, Serial No. 614,533
1 Claim. (Cl. 230-273)

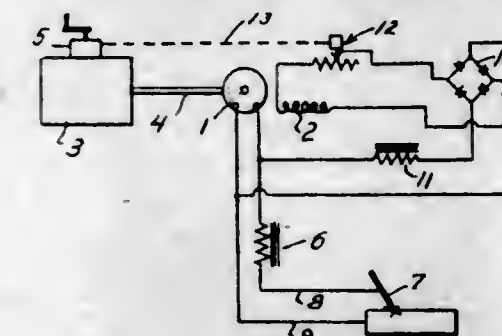


An electric fan unit, comprising an electric motor assembly having a rear-end ball joint socket, a fan wheel driven by said assembly, an electrical socket-plug for separable connection to an electric current supply outlet socket, and having a separable ball fitting for the motor assembly ball joint socket, and means detachably fitting the assembly at the socket therein for embracing the ball fitting to hold it in the joint socket and against separation in itself.

2,434,131

CURRENT REGULATION FOR ALTERNATING CURRENT ARC WELDING

Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application September 6, 1946, Serial No. 695,202
10 Claims. (Cl. 315-291)



1. Alternating current welding apparatus comprising a generator having an armature winding and a field winding, a welding circuit connected to said armature winding, an inductive reactance in said welding circuit, variable speed means for driving said generator whereby the frequency of the generated voltage can be varied by changing the speed of said driving means, and means responsive to the frequency of the generated voltage and to the variable speed means to control the excitation of the field winding.

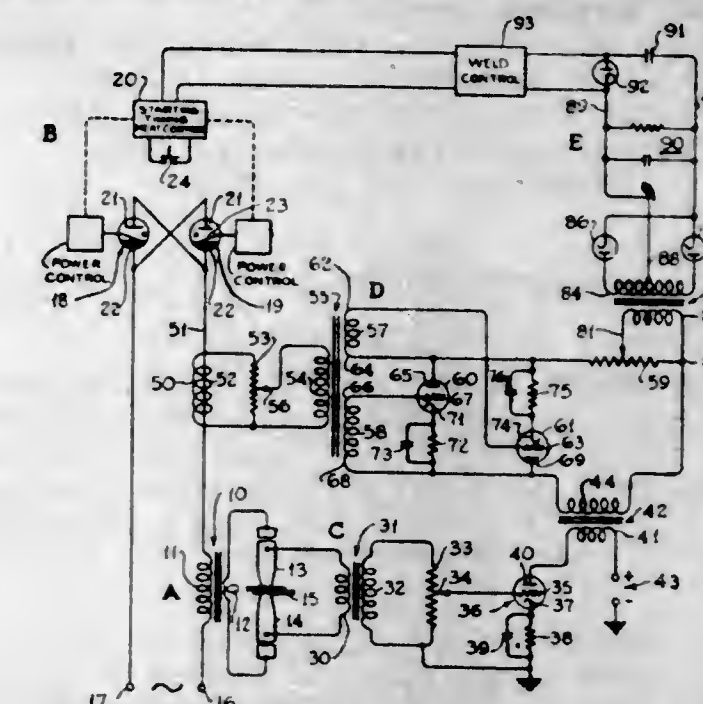
2,434,132

WELD CONTROL SYSTEM WITH CURRENT COMPENSATION

Herbert Doane Van Seiver, II, Merion, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 23, 1944, Serial No. 536,882
6 Claims. (Cl. 323-22)

1. In combination a power source, a load circuit connected to said power source, a resistor, translating means between said load circuit and said resistor, and compensating means connected between said power source and resistor effective to

compensate in said resistor for chance variations in current in said load circuit, said compensating means comprising a current transformer connected to said power circuit, a phase inverting transformer connected to said current transformer having a dual coil secondary, two elec-

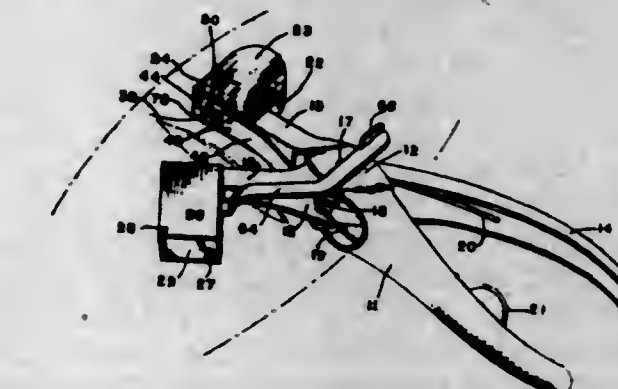


tronic tubes having anode, grid and cathode elements and each connected in reverse parallel across said resistor and conductors connecting the anode and grid of each tube to separate dual coil secondaries whereby changes of current flow in said resistor due to current changes external to said load are compensated.

2,434,133

SUTURING DEVICE

Lester D. Volk, Brooklyn, N. Y.
Application October 20, 1945, Serial No. 623,498
14 Claims. (Cl. 112-169)



1. A hand operated sewing machine, comprising a pair of pivotally joined handles having grasping jaws formed thereon, spring means engaging between the said handles adapted to hold the said handles and grasping jaws in a normal open position, a housing containing a spool of thread and a thread positioning mechanism secured to the end of one of the grasping jaws, a second housing pivotally attached to the end of the second grasping jaw, a needle having a hook end and slideably mounted within the said second housing, a finger and spring operated lever pivotally attached upon the said second housing and adapted to give reciprocal movement to the needle, the said needle being adapted to engage the thread carried upon and positioned by the said thread positioning mechanism to form loops and stitches, and a flexible band, one end of which is secured to one of the said grasping jaws and having upon its other end pins slideably engaging through slots in the said thread housing upon the other grasping jaw and adapted to engage and actuate the said thread positioning mechanism during the closing and opening action of the said jaws.

2,434,134

COOLING MEANS FOR INTERNAL-COMBUSTION TURBINE WHEELS OF JET PROPULSION ENGINES

Frank Whittle, Rugby, England, assignor to Power Jets (Research and Development) Limited, London, England

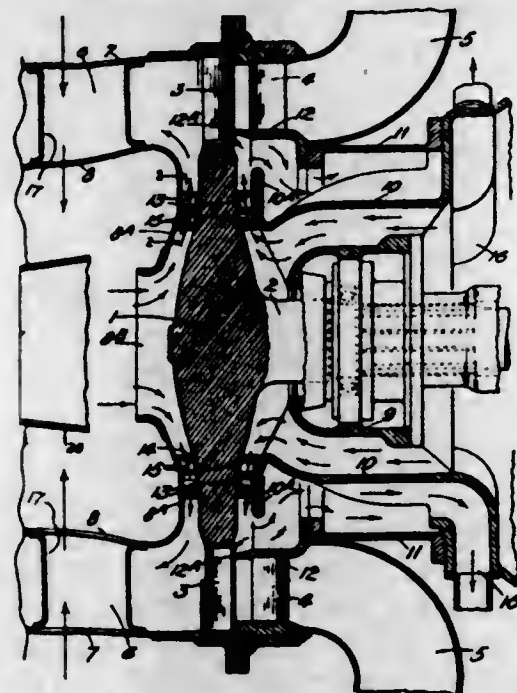
Application November 24, 1942, Serial No. 466,805

In Great Britain December 19, 1939

Section 1, Public Law 690, August 8, 1946

Patent expires December 19, 1959

8 Claims. (Cl. 60—35.6)



1. In a gas turbine, adapted to be operated by a hot gas stream and comprising a wheel, turbine blades disposed peripherally on said wheel in the path of the gas stream, and a reaction nozzle through which the gas stream after leaving the turbine is ejected to yield propulsive thrust, the improvement that consists of cooling means comprising a plurality of auxiliary radial blades rigid with said wheel and adapted to entrain a flow of cooling air and to drive said air outward over the surfaces of said wheel and into the gas stream, means for conducting cooling air to said auxiliary blades, and means for removing whirl from said cooling air, comprising a plurality of fixed vanes disposed in spacial relation to and cooperating with said auxiliary blades for converting the whirl velocity of said air into radial velocity, thus increasing the speed of radial flow, and the pressure, of the cooling air and preventing the formation of eddy currents in said gas stream, thus preventing losses in efficiency due to pressure losses that would otherwise be caused by said eddy currents.

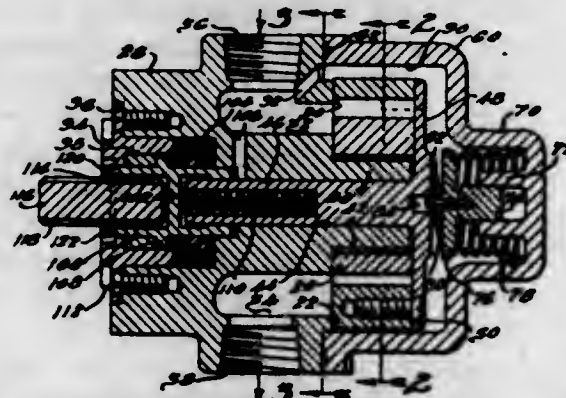
2,434,135

GEAR PUMP STRUCTURE

Eugene S. Witchger, Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 2, 1942, Serial No. 467,564

2 Claims. (Cl. 103—126)



1. In a rotary pump, in combination, a housing providing a chamber therein having a flat end

face, a shaft rotatably and axially slidably mounted in said housing and projecting into said chamber in perpendicular relation to said face, a cup-shaped member in said chamber arranged in concentric relation with respect to said shaft and with its bottom wall fixed to the extremity of said shaft in said chamber so as to be axially movable therewith and forming an outer rotor, the open edge of said cup-shaped member being adapted to abut said flat wall, a cylindrical boss projecting into said chamber from said flat face in surrounding and eccentric relation with respect to said shaft, a toothed inner rotor concentrically and rotatably mounted on said boss within said cup-shaped member, the side walls of said cup-shaped member being interiorly formed to provide teeth lying in mesh with the teeth of said inner rotor, said housing having an inlet passage and an outlet passage opening onto said flat wall in the area between said inner rotor and said cup-shaped member on opposite sides of the plane of the axes of rotation of said inner rotor and said outer rotor, said passages opening onto said flat face as ports elongated in the direction of the circumference of said inner rotor and extending angularly of the axis thereof in excess of 90°, and spring means cooperating with the closed end of said cup-shaped member constantly urging the latter toward said flat end face, said spring means being adapted to yield under normal pressures built up in said pump whereby to permit said cup-shaped member to recede away from said flat end face thereby to limit the maximum pressure capable of being built up by said pump.

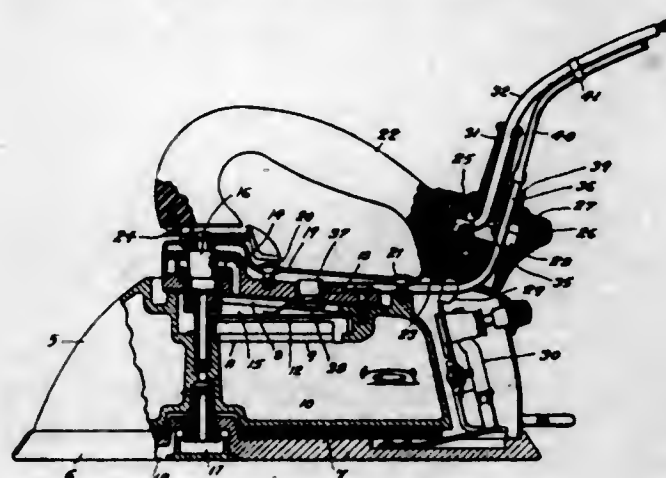
2,434,136

STEAMING AND PRESSING IRON

Frank E. Wolcott, West Hartford, Conn., assignor to The Sillex Company, Hartford, Conn.

Application February 8, 1944, Serial No. 521,506

5 Claims. (Cl. 38—77)



1. A steaming and pressing iron of the character described comprising a body portion having a steam chamber therein, a sole plate, a heating element, means for conducting steam from said steam chamber to the ironing surface of said sole plate, a handle, a flexible member extending from said handle, an electrical conductor extending through said flexible member and connected to said heating element, and a tube also extending through said flexible member and communicating with said steam chamber.

2,434,137

XYLOPHONE

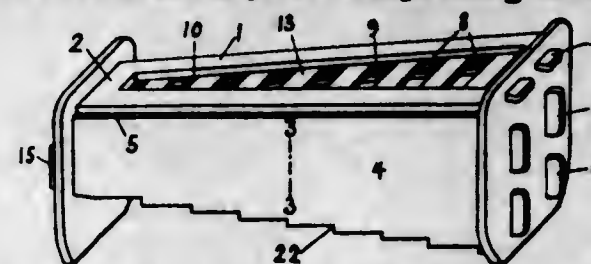
Harry Zimmerman, New York, N. Y.

Application November 3, 1944, Serial No. 561,679

5 Claims. (Cl. 84—403)

1. A xylophone or the like comprising a wall having a median part with an opening, a strip

positioned under said median part, having an opening positioned under said first opening and broader than said first opening, and a number of pairs of teeth, each pair comprising teeth extend-



ing from opposite sides into the opening of said strip, a number of tone bars having ends positioned between two pairs of said teeth, and a string carried by said wall, crossing the lower surfaces of said teeth and supporting said ends.

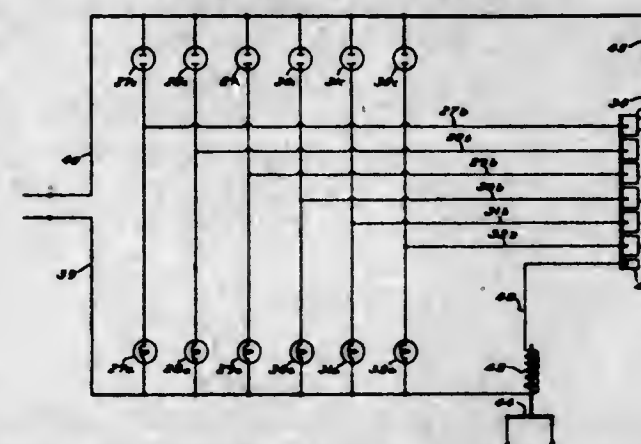
2,434,138

LOAD INDICATOR FOR CRANES

Cyril S. Adams, Houston, Tex.

Application March 11, 1946, Serial No. 653,671

8 Claims. (Cl. 177—311)



2. In a load indicator for overhead cranes, a line tension signal actuating unit comprising, an upper connector suspended from the crane trolley, a lower connector, a coil spring into whose ends the adjacent ends of the connectors are threaded, said spring linking the connectors together yieldingly, a series of electrical contacts stationary with respect to one connector, a contact member fixed relative to the other connector, said contact member and contacts being arranged to form successive electrical connections upon relative movement of said connectors, and a series of electrical signals electrically connected with the series of electrical contacts.

2,434,139

BLUE GLASS

William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application October 11, 1945,

Serial No. 621,853

7 Claims. (Cl. 106—54)

1. A blue glass which consists essentially of SiO_2 , B_2O_3 , R_2O (alkali metal oxide) and Al_2O_3 , the SiO_2 being from about 40% to 70%, the B_2O_3 being from about 10% to 25%, the R_2O being from about 5% to 22%, and the Al_2O_3 being over 10%, and which also contains not over about 2% of cobalt oxide and at least .5% of analytically determined chlorine.

2,434,140

HOSE RACK

Jacob Bernstein, Omaha, Nebr.

Application September 11, 1944, Serial No. 553,574

2 Claims. (Cl. 248—89)

1. A hose rack for use with a portable hand truck, including a pair of uprights terminating in a handle at the upper end thereof, said hose rack comprising a drum formed from a substantially flat sheet of material bent to form a semi-circle, a pair of vertical flanges formed on rearward edges of said drum, means for securing said flanges to said uprights, a member extending be-

tween said flanges and having a horizontal and a vertically extending wall to form a combination storage shelf and back for said drum, and an upwardly extending flange on the forward edge of said drum.



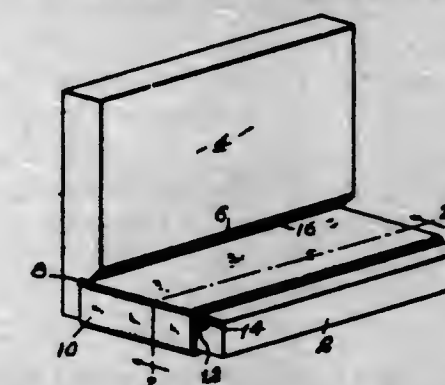
2,434,141

SHARPENING DEVICE

Harold Brown, Denver, Colo.

Application April 4, 1946, Serial No. 659,561

2 Claims. (Cl. 51—214)



1. A sharpening device comprising a base member having an inclined groove extending longitudinally thereof, a guide member extending upwardly from one side of the base member and provided with a longitudinal rabbet the bottom of which is on a level with the upper surface of the base member, and an endless movable sharpening element extending entirely around the base member and having one margin extending into the inclined groove and its opposite margin extending into the rabbet.

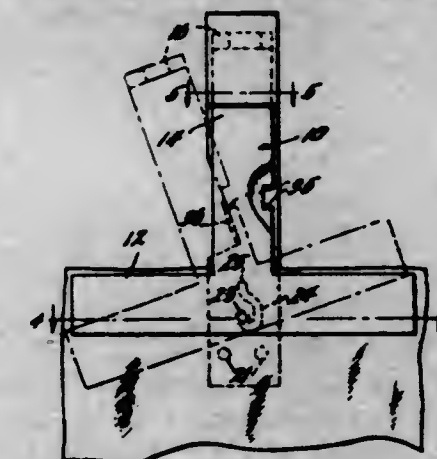
2,434,142

GARMENT HANGER

John G. Bryn, New York, N. Y.

Application February 3, 1947, Serial No. 726,042

14 Claims. (Cl. 223—96)



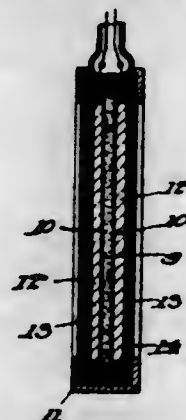
1. A garment hanger comprising clamping members having portions relatively movable toward and from one another to clamp and release a garment, means for pivotally supporting said members for movement into tilted and upright positions, and means operative in response to movement of said members from tilted to upright position for relatively moving said members into garment clamping relation.

2,434,143

SUPERSONIC SIGNAL TRANSMITTER AND RECEIVER

Constantin Chilowsky, New York, N. Y.
Original application April 17, 1943, Serial No. 483,514, now Patent No. 2,420,864, dated May 20, 1947. Divided and this application September 25, 1943, Serial No. 503,785

3 Claims. (Cl. 177—386)



1. A supersonic signal transmitter and receiver comprising, a metallic backing sheet, a sheet of ultra-sound reflecting material adjacent said backing sheet, a layer of piezoelectric plastic material having one surface facing said reflecting material and the other surface facing the direction of transmission and reception of supersonic signals, and an insulated electrode on one of said surfaces, the backing sheet being positioned between the reflecting material and the piezoelectric plastic material, and the electrode being covered by a layer of ultra-sound transparent insulating material.

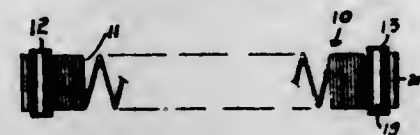
2,434,144

EXPANSION BRACELET

Harry Cleinman, Providence, R. I., assignor to Victor Products Corp., Providence, R. I., a corporation of Rhode Island

Application April 9, 1945, Serial No. 587,352

3 Claims. (Cl. 63—5)



1. A watch bracelet comprising an expansible portion having a connecting member at each end thereof, each of said connecting members comprising an integral one-piece stamping having an open ended tubular portion with integral closure members adjacent each open end, said tubular portion being adapted to receive the end of the expansible portion, and said closure members being adapted to bend over said end openings to lock said member to said expansible portion.

2,434,145

GLYCOLIC ETHERS OF HYDROXYLATED INTERPOLYMERS AND THEIR PREPARATION

Donald D. Coffman, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

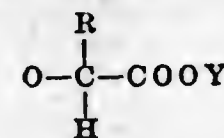
No Drawing. Application November 30, 1943,

Serial No. 512,337

11 Claims. (Cl. 260—90)

1. A glycolic ether of a hydrolyzed interpolpolymer of ethylene and vinyl acetate, said ether being that had by replacing by hydroxyl groups at least 50% of the acetate groups of an interpolpolymer of ethylene and vinyl acetate in which the mol ratio of ethylene to vinyl acetate is within the range of from 1/25 to 8/1, and replacing from 1% to 60% of the hydroxyl groups of the

resultant hydrolyzed interpolpolymer by radicals having the general formula



wherein R is a radical selected from the group consisting of hydrogen atoms and monovalent alkyl radicals containing not more than 4 carbon atoms, and Y is a cation selected from the group consisting of hydrogen atoms and salt forming cations from the group consisting of zinc, aluminum and cations of bases having a basic dissociation constant of at least 2×10^{-5} .

2,434,146

OPTICAL GLASS

Paul F. De Paolis, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 4, 1945,

Serial No. 609,021

5 Claims. (Cl. 106—54)

1. An optical glass comprising the following oxides in the proportions by weight as given: boron, 32 to 37 per cent; aluminum, less than 3 per cent; lanthanum, 20 to 25 per cent; thorium, 18 to 25 per cent; divalent metals, at least 16 per cent.

2,434,147

OPTICAL GLASS

Paul F. De Paolis, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 4, 1945,

Serial No. 609,023

3 Claims. (Cl. 106—47)

1. Optical glass consisting of the following oxides in the proportions by weight as given: lanthanum, 25 to 33 parts; tungsten, 15 to 20 parts; thorium, 10 to 15 parts; boron, 25 to 30 parts; and oxide selected from the group consisting of the oxides of calcium, zinc, and tin, 10 to 15 parts.

2,434,148

OPTICAL GLASS

Paul F. De Paolis, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 4, 1945,

Serial No. 609,024

5 Claims. (Cl. 106—47)

1. An optical glass comprising the oxides of lanthanum, from 18 to 27 parts by weight; the oxides of titanium and molybdenum totaling 12 to 18 parts; oxide of thorium, 12 to 18 parts; oxides selected from the group consisting of the oxides of barium, strontium, calcium, and cadmium totaling 15 to 27 parts; boron, 20 to 30 parts; and aluminum and beryllium, less than 3 parts the whole amounting to 100 parts.

2,434,149

OPTICAL GLASS

Paul F. De Paolis, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 4, 1945,

Serial No. 609,025

5 Claims. (Cl. 106—54)

1. An optical glass comprising the following oxides in the proportions by weight as given:

oxide selected from the group consisting of the oxides of boron, aluminum, and silicon, from 27 to 30 parts, of which boric oxide comprises from 22 to 24 parts; lanthanum, tantalum, and thorium oxides totaling less than 70 parts, at least 5 parts of each being present; and oxide selected from the group consisting of the oxides of tungsten, zirconium, and titanium totaling from 2 to 15 parts.

2,434,150

MONOAZO COMPOUNDS

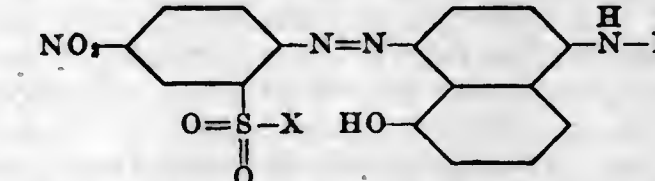
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 16, 1942,

Serial No. 465,690

6 Claims. (Cl. 260—152)

1. The azo compounds having the formula:



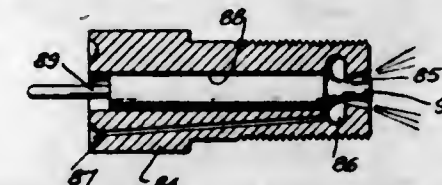
wherein X stands for a member selected from the group consisting of a low carbon open chain aliphatic group, the tetrahydrofurfuryl group, the 5-methyltetrahydrofurfuryl group and the 5-β-hydroxyethyltetrahydrofurfuryl group and R stands for a 2,3-dihydroxy-2-methyl-n-propyl group.

2,434,151

FUEL INJECTION NOZZLE

Edwin M. Flak, Mission San Jose, Calif.
Original application May 19, 1941, Serial No. No. 394,097. Divided and this application November 15, 1943, Serial No. 510,356

3 Claims. (Cl. 299—107.6)



1. In a normally closed liquid-atomizing nozzle arranged for its opening by action of the pressure of the liquid to be discharged therefrom, a body providing a discharge chamber having a flaring discharge port extending directly from a circular seat at its inner end, an inwardly displaceable valve provided with a symmetrical point extending from within the chamber into the port, said valve point having a longitudinally concave and smoothly continuous side surface providing an inner tapering portion normally engaging said seat and an outer flaring portion opposite the port bore and cooperative therewith when the valve is unseated to define a flaring annular passage about the point for confined directing the discharged fluid from the nozzle.

2,434,152

HOLDING DEVICE

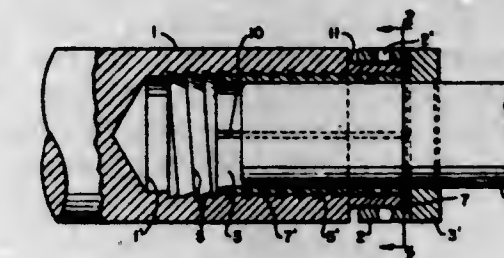
James E. Forry, Culver City, Calif., assignor to The Garrett Corporation, Alhambra Research Manufacturing Company division, Los Angeles, Calif., a corporation of California

Application January 18, 1945, Serial No. 573,458

10 Claims. (Cl. 287—119)

10. In combination: anchorage-means for enveloping one end of a member to be anchored

and including force-transforming formations on the enveloping surface; contractile means having a body-portion interposed between said formations and the member to be anchored, said



body-portion having complementary force-transforming formations on its surface; and force-applying means reacting between the anchorage-means and contractile means for effecting contraction of the latter.

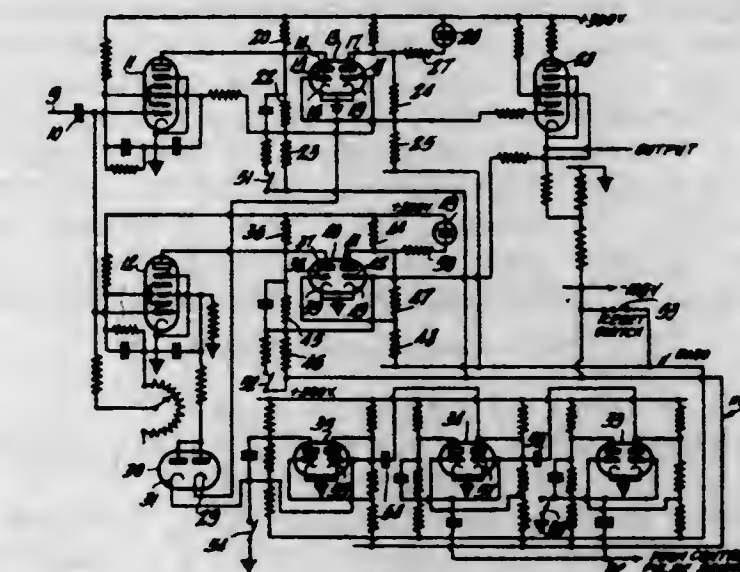
2,434,153

ELECTRONIC SWITCHING CIRCUITS

Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 7, 1943, Serial No. 513,317

6 Claims. (Cl. 250—27)



1. The combination of a pair of input tubes each having input and output terminals, a control tube having two control grids, a first multivibrator having a first electron discharge element connected to one of said output terminals and a second electron discharge element connected to one of said control grids, a second multivibrator having a first electron discharge element connected to the other of said output terminals and a second electron discharge element connected to the other of said control grids, means for applying spaced signals to both of said input terminals, and means including a first diode responsive to the current of the second electron discharge element of said first multivibrator for applying a control potential whereby the first of said signals is blocked from the second of said multivibrators and the second of said signals is passed to said second multivibrator, and means including a second diode connected in parallel with said first diode for delaying the unblocking of said second multivibrator for a predetermined time after current is taken by the second electron discharge element of said first multivibrator.

2,434,154

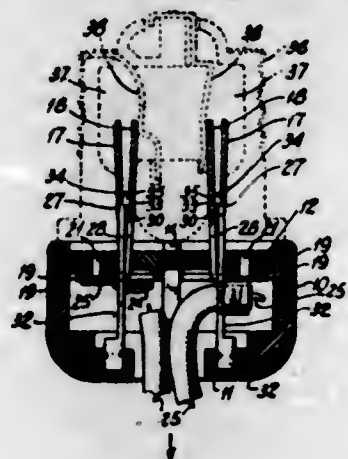
ELECTRICAL ATTACHMENT PLUG

Paul E. Gurin, Brooklyn, N. Y.
Application October 18, 1946, Serial No. 703,631

6 Claims. (Cl. 173—361)

1. An electrical locking male attachment plug comprising, in combination, a pair of body mem-

bers of insulating material movable relative to each other in an axial direction, a terminal prong carried by one of said body members and extending out from the front side thereof in an axial direction for insertion into a receptacle recess, said prong comprising a pair of metallic contact finger means adapted to be spread laterally apart for temporary locking in the receptacle recess, a metallic camming finger means mounted on the other of said body members



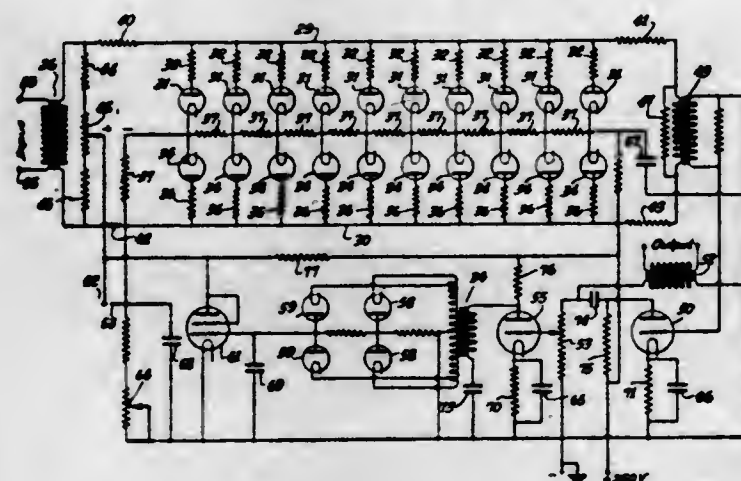
juxtaposed to said contact finger means, anchorage means on one of said body members for fastening thereto an electrical conductor adapted to make electrical contact with the metallic finger means thereon, and an oblique camming face on the latter of said metallic finger means facing toward the rear of its supporting body member whereby pull on an electrical conductor anchored thereto will spread and tend to keep spread said contact finger means in locking position with relative axial movement of said body members.

2,434,155

ELECTRONICALLY CONTROLLED VARIABLE GAIN AMPLIFIER

Robert L. Haynes, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

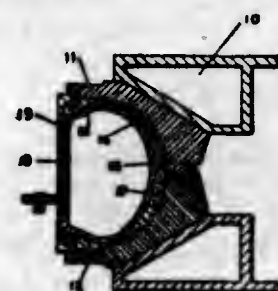
Application September 27, 1943, Serial No. 503,971
7 Claims. (Cl. 178-44)



1. An electrical current transmission system comprising an incoming line and an outgoing line, a resistor connected in shunt to said line for determining the maximum impedance across said line, and a plurality of pairs of diodes connected in shunt across said line for reducing the impedance across said line below that of said resistor, the diodes of each pair having their cathodes connected together, said diodes being arranged in pairs and each pair being connected in parallel and provided with successively higher biases for successively decreasing the impedance across said line in accordance with the voltage applied thereto.

2,434,156 METHOD OF RETREADING TIRES

James C. Helntz, Lakewood, Ohio
Application June 6, 1945, Serial No. 597,871
4 Claims. (Cl. 154-14)

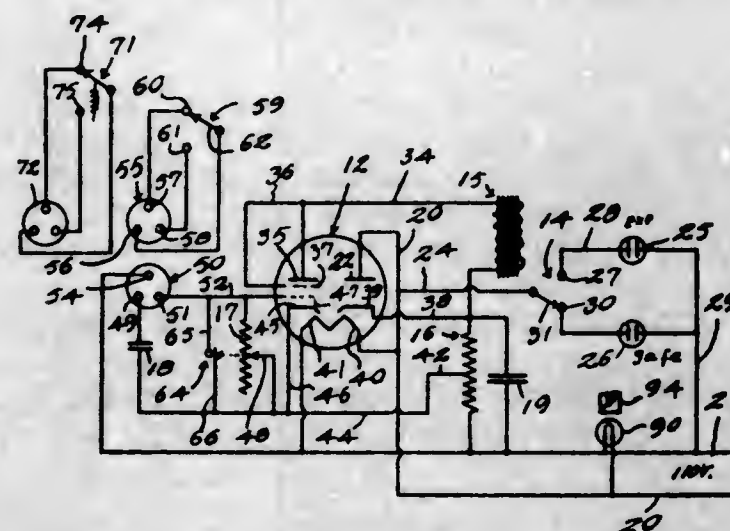


1. The process of retreading a tire, having available (a) a limited number of full-circle retreading molds of different tread contour, (b) a series of templates each cut to the contour of the buffed tire which each of the molds is particularly designed to retread, and (c) a chart giving the bead-to-bead measurements over the buffed contours of the tires which said molds are particularly designed to retread when mounted on rims of different widths; which process comprises (1) buffing the tire to the general contour desired for retreading, (2) measuring the tire from bead to bead over the buffed contour, (3) on the basis of this measurement and with the aid of the chart selecting from the available molds that designed for retreading a tire with a bead-to-bead measurement over the buffed contour, which is just less than that of the measured contour of the tire to be retreaded and noting on the chart the rim width which gives such measurement, (4) buffing the tire further so as to simultaneously (a) fit its buffed contour to that of the template cut to the contour of the buffed tire which the selected mold is particularly designed to retread and (b) reduce the buffed contour so that it more closely approximates that of the tire the selected mold is more particularly designed to retread, (5) mounting the buffed tire on the rim of noted width and applying camelback thereto, and then (6) curing the tire thus treaded in the selected mold.

2,434,157

ELECTRONIC PHOTOTIMER

Chester S. Heppard, Celina, Ohio
Application November 18, 1946, Serial No. 710,460
12 Claims. (Cl. 315-360)



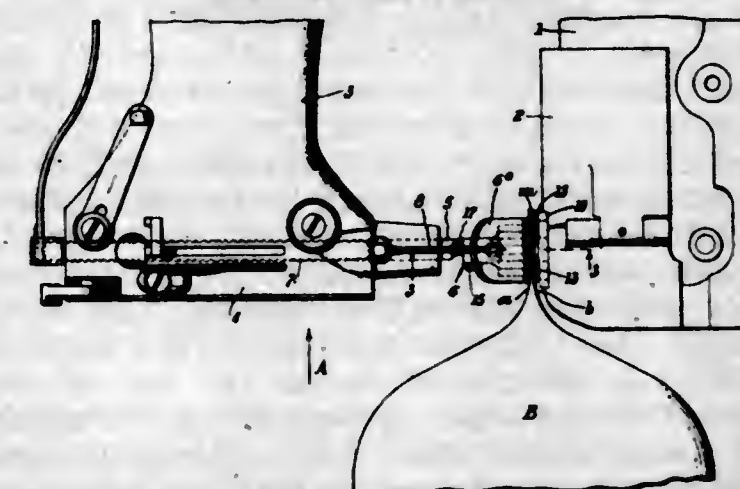
1. An electronic phototimer comprising a single pole, double throw switch, a relay for actuating said switch, a rectifier-amplifier tube comprising a rectifier section and a pentode section, a safe light, an exposure light, a source of electric current supply, one terminal of said lights being connected to one lead of said source, the other terminal of said lights being connected to the opposite contacts of said switch, the arm of said switch being connected to the other lead of said

source, said other lead being connected also to the plate of said rectifier section, the filaments of said tube being connected across said source leads, a variable resistor connected to said one lead, the cathode of said pentode section connecting to the movable contact of said variable resistor, a resistor element between said movable contact and one grid of said pentode section, the cathode of said pentode section connected to said movable contact, the cathode of said rectifier section connected to said variable resistor opposite from said one lead, a condenser between said latter cathode and said one lead, a condenser between said one lead and said grid, a double throw switch between said grid and said latter condenser, one contact of said latter switch being connected to said one lead, the other contact connected to said grid, and said relay connected between the cathode of said rectifier section the plate and second grid of said pentode section.

2,434,158

FILLED BAG SEWING MACHINE

Park A. Herr, Hillside, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 1, 1945, Serial No. 608,176
5 Claims. (Cl. 112-11)



1. A bag closing machine having, in combination, stitch forming mechanism including a reciprocating thread-carrying needle and a cooperating thread-carrying looper; a throat-plate provided with feed slots and an aperture having one portion through which said needle is reciprocated and another portion through which the looper thread passes; a spring-pressed presser-foot having a sole portion normally urged toward said throat-plate; a feed-dog operating through said feed slots and cooperating with said presser-foot to feed the work through the machine; said presser-foot having in its sole portion a cord-guiding channel located in alignment with and at opposite ends of said aperture in the plane of reciprocation of said needle, whereby a cord passed through said channel is gripped between said presser-foot and said throat-plate forwardly and rearwardly of said aperture and held in the path of reciprocation of said needle, and said throat-plate having shoulders intermediate the ends of said aperture for supporting the cord against the thrust of the needle.

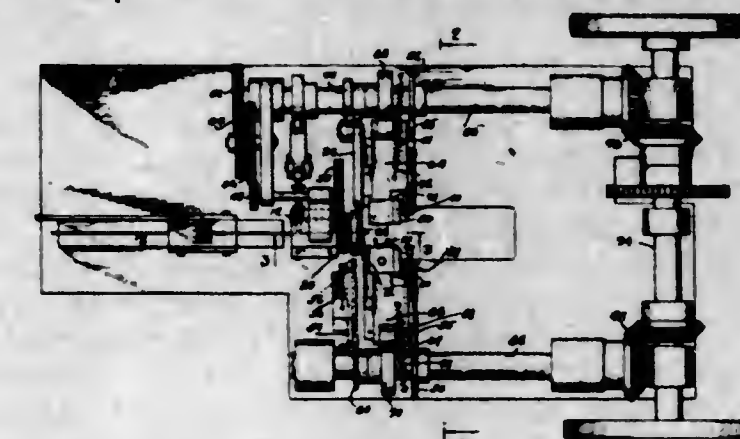
2,434,159

MACHINE FOR MAKING WIRE TERMINALS AND THE LIKE

Adolph W. Hoernle, New York, N. Y.
Application February 14, 1945, Serial No. 577,777
21 Claims. (Cl. 140-71)

1. In a machine for making wire terminals composed of a shank and an integral head, the combination of a rotatable bending head, a fixed mandrel extending through said head and pro-

jecting from the face thereof, said mandrel being provided with an axial bore for permitting the terminal wire to be fed therethrough into position where the wire projects beyond the end of the mandrel, means for bending the projecting



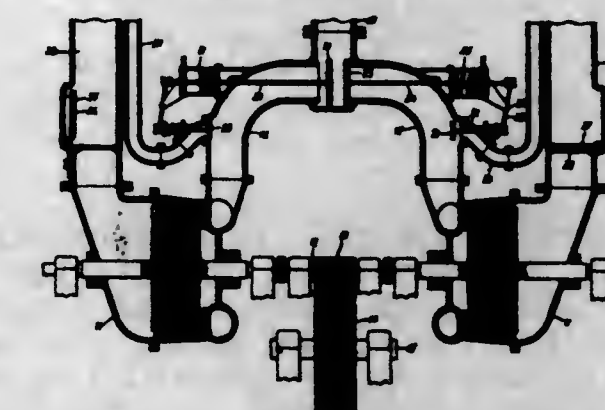
portion of the wire out of the axis of the wire, a roller carried on the face of the bending head, a cam for pivoting said roller into engagement with the previously bent projecting portion of the terminal wire to bend the latter about the mandrel end.

2,434,160

REVERSIBLE TURBINE ARRANGEMENT FOR COOLING IDLE TURBINES

Georges Hoffmann, Belfort, France, assignor to General Electric Company, a corporation of New York

Application December 31, 1942, Serial No. 471,807
In France October 7, 1941
3 Claims. (Cl. 60-102)



1. Reversible elastic fluid turbine arrangement comprising forward and reversing turbine means, means mechanically coupling the turbine means and causing idling of either in a direction of rotation opposite to that of its normal direction during operation of the other turbine means, a fluid supply conduit including a control valve and an exhaust conduit for each turbine, each exhaust conduit including a valve means to admit a limited amount of cooling medium there-through during operation of the other turbine, and valved conduit means connected to the supply conduit of each turbine for discharging cooling medium therefrom during operation of the other turbine.

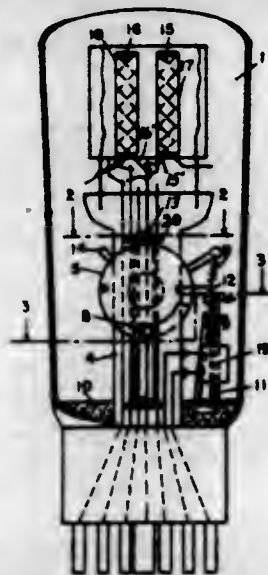
2,434,161

ELECTRICAL CONTROL FOR MULTIPLE HEATING UNITS IN TUBES

John H. Homrighous, Oak Park, Ill.
Application August 22, 1942, Serial No. 455,747
11 Claims. (Cl. 250-27.5)

1. A radio tube having a plurality of filaments one end of each filament electrically connected to one terminal of said tube, a brush electrically connected to another terminal of said tube to engage individual contacts on the opposite end of each of said filaments, a spring controlled rotatable device for causing said contacts to successively engage said brush, a flexible stop

member holding said device under tension of said spring to maintain said brush in engagement with one of said filament contacts and

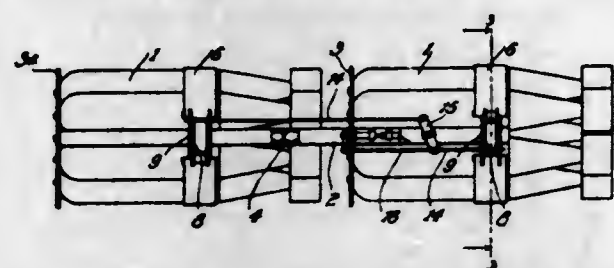


means for flexing said stop member to release the said device thereby rotating another one of said filament contacts into engagement with said brush.

2,434,162

BOMBS, PYROTECHNIC DEVICES, AND THE LIKE

Jack Imber, Farnham Common, England
Application December 4, 1944, Serial No. 566,460
In Great Britain September 9, 1942
6 Claims. (Cl. 102-7.2)

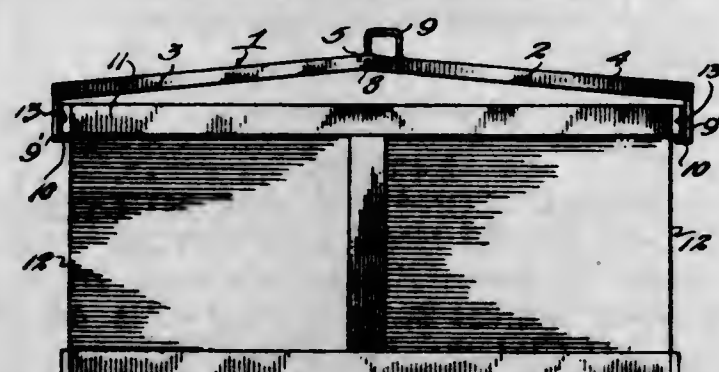


4. In a bomb assembly, the combination of a longitudinal frame member, metal straps surrounding said frame member, locking devices for connecting the ends of said straps and resting removably on said frame member for suspending the bomb assembly therefrom, time fuse mechanism, means for initiating operation of said time fuse mechanism during release of the assembly from an aircraft, explosive means operated by said time fuse mechanism, and mechanical means actuated by said explosive means to release said locking devices.

2,434,163

EGG CASE CARRIER

Earl Jobe, El Cajon, Calif.
Application December 21, 1945, Serial No. 636,386
2 Claims. (Cl. 294-104)



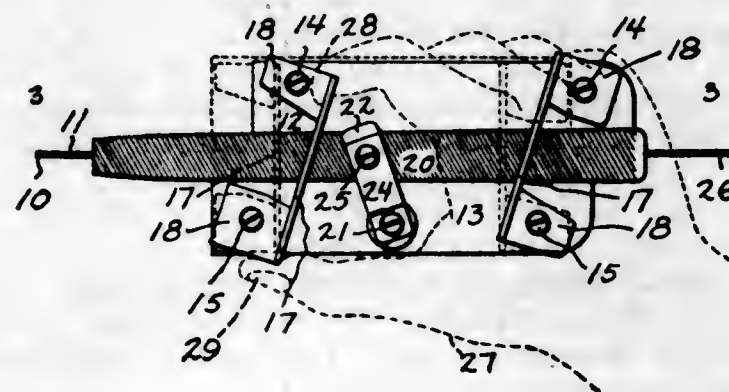
1. An egg case carrier comprising, in combination, a pair of outstretched arms, each of said arms comprising a pair of converging side members, said side members of one of said arms being spaced apart to form a forked extremity at the convergent end thereof, the convergent end of the remaining of said arms engaging said forked ex-

trinity, a pivot pin extending transversely through the adjacent ends of said arms, a three-sided handle secured to the upper side of said remaining arm at the convergent end thereof, a pair of cross members mounted at the outer ends of said arms, an intumed flange and a plurality of gripping pins projecting inwardly from said cross members.

2,434,164

SAW JOINTER

Sanford Johnson, Sioux City, Iowa
Application March 8, 1946, Serial No. 652,999
1 Claim. (Cl. 76-47)

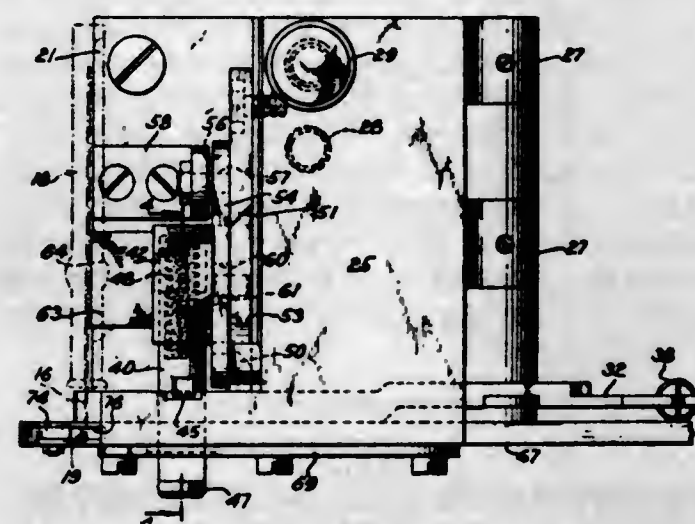


A saw jointer comprising a pair of parallel saw abutting members adapted to receive a saw blade therebetween, links pivotally attached to said members to maintain the same in constant parallel position, means for moving said links to cause snug abutting relation between said members and a saw blade, said links having vertically upstanding portions to provide graspment means by the hand, a file attached to one of said abutting members for abutting the upper serrated edge of the saw teeth, said links having recesses for receiving said file, a bracket attached to one of said abutting members, a machine screw threadably engaged with said bracket, a file straddling member attached to said bracket against which said machine screw bears to securely attach said file to said abutting member, said file being slidably engaged relative to the other abutting member.

2,434,165

MANUFACTURE OF ELECTRIC LAMPS

James W. Juvinall, La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1943, Serial No. 499,069
6 Claims. (Cl. 140-71.6)



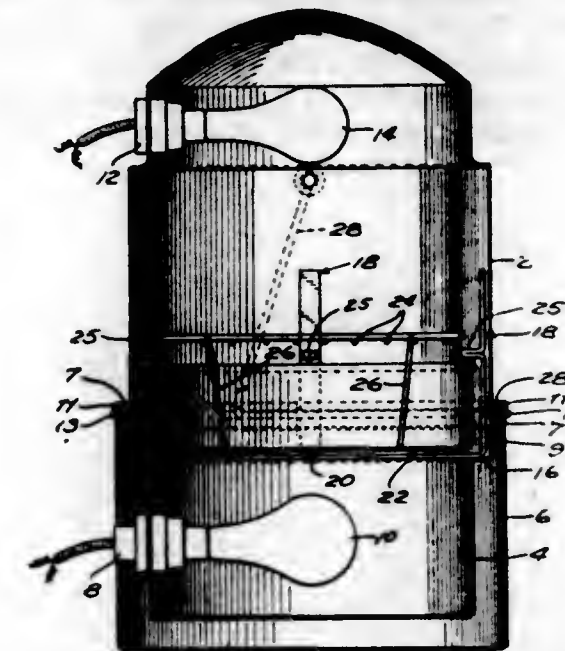
1. An apparatus for mounting filaments, comprising two pairs of clamping members for predeterminedly positioning and holding the two filament supporting wires of a lamp stem, means for adjusting the spacing of said clamping members for the mounting of filaments of various lengths, means for attaching the clamped fila-

ment supporting wires to opposite ends of a filament, and means mounted on said attaching means for severing said filament from a continuous string of filaments.

2,434,166

ELECTRIC COOKER

Gottlob Klumpp, Bronx, N. Y.
Application June 19, 1945, Serial No. 600,285
3 Claims. (Cl. 219-35)

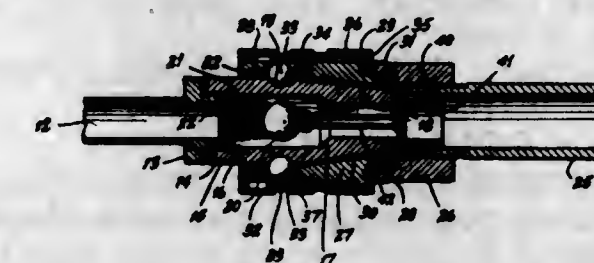


1. In an electric cooker, the combination of, a substantially cylindrical lower shell having a flat bottom wall and having an axial length less than its diameter, a cylindrical upper shell of substantially the same diameter as said lower shell and having a beaded bottom edge telescoped within the top edge of said lower shell, said upper shell having a dome-like top wall connected to the main body of the shell by an annular shell portion of less diameter than the main body of the shell, a cross-frame supported by the upper portion of said lower shell, a pan supported by said cross-frame within said shells and positioned at the telescoped portions thereof, an electric light bulb positioned in the top portion of said upper shell and carried on the side wall thereof, a second electric light bulb positioned in said lower shell beneath said pan and supported on the side wall of the shell, a supporting shell enclosing said lower shell, and a bracket support for said upper shell comprising an elongated member pivoted at its ends to the opposite sides of the upper shell and having straight portions adjacent the pivots and a curved portion at its center with the curved portion being of a curvature to extend more than half-way around said upper shell.

2,434,167

VALVED COUPLING

Ernest O. Knoblauch, St. Louis, Mo.
Application May 23, 1945, Serial No. 595,449
1 Claim. (Cl. 284-19)



In a coupling for use with a fluid line, a plug member, means at a back end of the plug member for attaching it to a pipe, an opening extending from said back end of the plug member,

axially through said member, said opening having a reduced portion providing a valve seat intermediate its length, the valve seat being disposed to face backwardly of the plug element, a valve insertable from the back of the member into the opening and movable from the seat backwardly, spring means engaging the valve to urge it forwardly against the valve seat, the plug member having a tapered outer surface of reduced diameter toward its forward end, a socket member co-operable with the plug member, the socket member having an internally threaded portion attachable to the end of a pipe and having a tapered inner surface to receive the tapered outer surface of the plug member and to seal therewith, a pin member comprising a fitting having external threads engageable with internal threads on the interior surface of the end of the pipe to which the socket member is attached, and a pin projecting from the fitting and sized to enter the passage in the plug member and displace the valve from its seat when the plug and socket members are engaged together, said pin member having openings to permit passage of fluid therethrough.

2,434,168

PENTAERYTHRITOL ROSINATE POLYMERS AND THE METHOD FOR PREPARING SAME

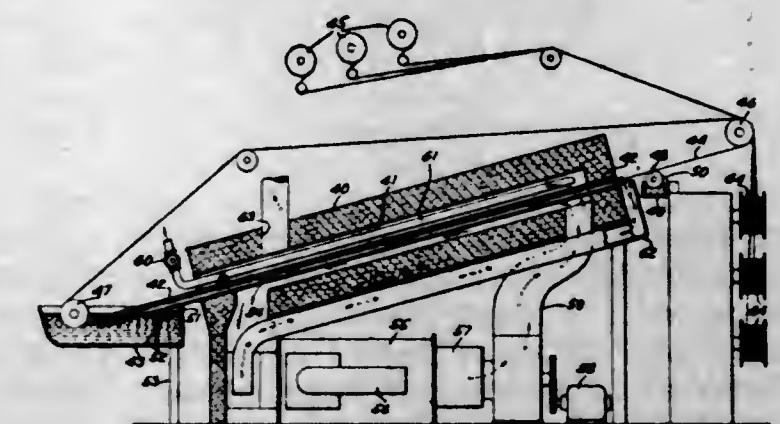
William Krumbhaar, New York, N. Y.
No Drawing. Application April 13, 1945,
Serial No. 588,237
17 Claims. (Cl. 260-104)

1. The condensation and polymerization product formed at a temperature of 250-300° C. under vacuum of a hydroxy ester of rosin acid with a pentaerythritol group polyhydric alcohol as the sole essential reacting components, the hydroxy ester being the reaction product formed at a temperature of from 200-300° C. of rosin acid with a pentaerythritol group polyhydric alcohol as the sole essential reacting components, the amount of alcohol exceeding the stoichiometric equivalent of acid to the extent that at least two hydroxyl groups in the polyhydric alcohol are left free, but not exceeding the amount at which all but one of the hydroxyl groups are left free.

2,434,169

DRIER FOR COATED WIRES

Henry M. Larsen, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1944, Serial No. 517,351
11 Claims. (Cl. 34-86)



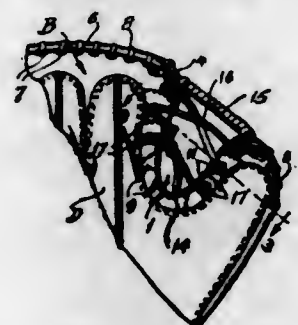
9. In a wire enameling apparatus, an oven having a chamber formed therein, an inclined tube extending through said chamber, means for passing a strand through said tube, means for covering the lower end of said tube with a quantity of liquid to form an air seal, means for heating the air in said chamber, means for circulat-

ing the air in said chamber to obtain a substantially uniform distribution of heat within the chamber, means for supplying heated fresh air to the lower end of said tube, and means for removing air from the upper end of said tube and passing said air through said heating means to incinerate the volatilized enamel solvents therein.

2,434,170

BASEBALL GLOVE

Harry B. Latina, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application November 25, 1946, Serial No. 712,171
11 Claims. (Cl. 2—19)

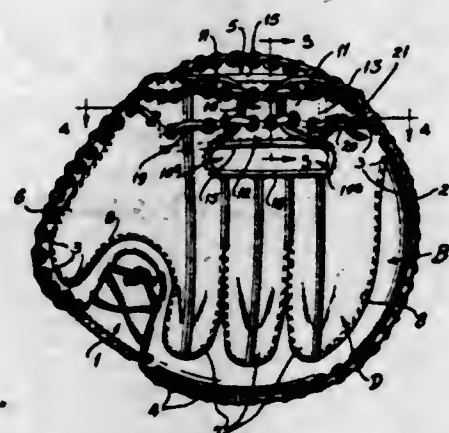


10. A baseball glove comprising a palm cover and a back cover with padding interposed therebetween, said covers and padding being shaped to provide a thumb forming crotch in said glove, said covers being each provided with a peripheral binding and a marginal row of eyelets, said binding and row of eyelets extending around the margin of said cover and terminating on opposite sides of said crotch adjacent to the outer corners thereof, a lacing extending through the eyelets of said covers for connecting them together, said palm cover having a series of flaps formed around the crotch forming margin thereof, said crotch forming margin of said back cover being folded therebeneath.

2,434,171

BASEBALL GLOVE

Harry B. Latina, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application November 25, 1946, Serial No. 712,172
10 Claims. (Cl. 2—19)

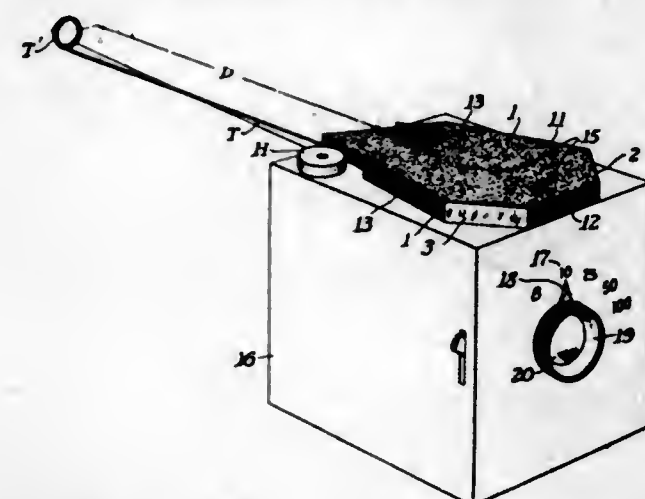


9. A baseball glove comprising a body, a hand cover secured to the back of said body and forming therewith a wrist opening, said hand cover having a pair of wrist flaps that extend towards one another from opposite sides of said opening, a wrist strap disposed beneath said pair of wrist flaps and permanently secured to one of them, and a lacing passing inwardly through said back cover into said body just outside of one side of said opening, thence outwardly from said body just inside of said side of said opening, thence through said flaps and strap from said side of said opening to the other side thereof, thence into

said body just inside of said other side of said opening, thence out of said body and through said hand cover just outside of said other side of said opening, and thence through said flaps and straps to said first mentioned side of said opening where the two ends of said lacing are secured together exteriorly of said hand cover.

2,434,172

INEXPENSIVE MONOBLOC RANGE FINDER
Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 2, 1945, Serial No. 591,503
3 Claims. (Cl. 88—2.6)



1. A range finder comprising means for directly viewing in a comparison position split images of a single object comprising a single piece of light refracting material of greater length than width forming a prism, means for positioning the prism at a fixed distance from the eye of a user, two oppositely and angularly-disposed light entrance faces spaced apart at one end for receiving spaced diverging images of the same part of an object and for bending the light rays into intersecting relationship, two angularly arranged light exit faces parallel one to one light entrance face and the other to the other light entrance face for receiving the intersecting light rays, each light exit face having approximately half the thickness of the refracting material and the plane of one light exit face extending across the plane of the other light exit face whereby the two light exit faces may form a split field, a pointer on one light exit face at the intersection of the planes of the two light exit faces and a scale on the other light exit face whereby the separation of two images of an object on the light exit face may be measured between the pointer and scale to determine the distance of the object.

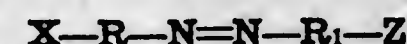
2,434,173

PROCESS FOR DYEING WOOL WITH AZO DYE CHROME COMPLEXES AND CHROMIC SALTS

Neil Mitchill Mackenzie and Max Emerson Nestler, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 13, 1942,
Serial No. 434,480
6 Claims. (Cl. 8—43)

1. A method of dyeing basic nitrogenous fibers with chromium complexes of azo dyestuffs having the formula



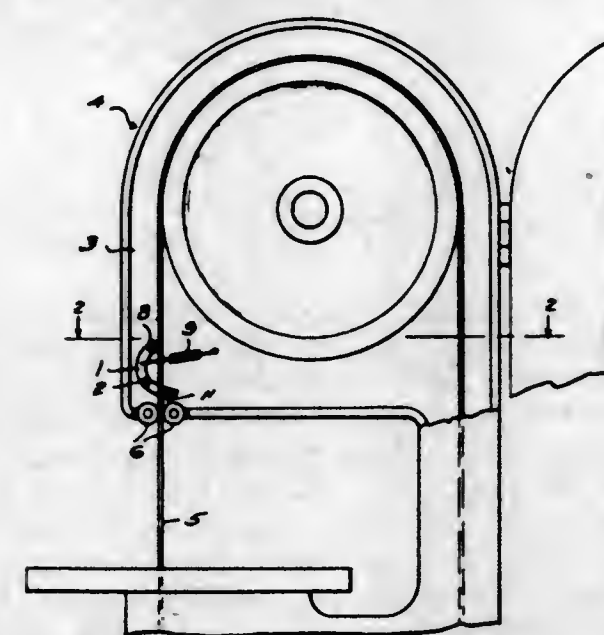
where R and R₁ are radicals included in the group consisting of benzene and naphthalene radicals; X is a radical included in the group consisting of

hydroxyl and carboxyl radicals and is situated in the ortho position to the azo bridge; Z is an amino group situated in the ortho position to the azo bridge; and where the dyestuff contains at least one radical included in the group consisting of sulfonic and sulfonamide radicals, which comprises applying the chromium complex of the dyestuff to the material to be dyed in a bath containing an effective amount of a water soluble salt of trivalent chromium.

2,434,174

SAFETY BRAKE FOR BAND-SAW BLADES

Joseph P. Morgan, New Castle, Pa.
Application June 19, 1944, Serial No. 541,071
2 Claims. (Cl. 143—157)

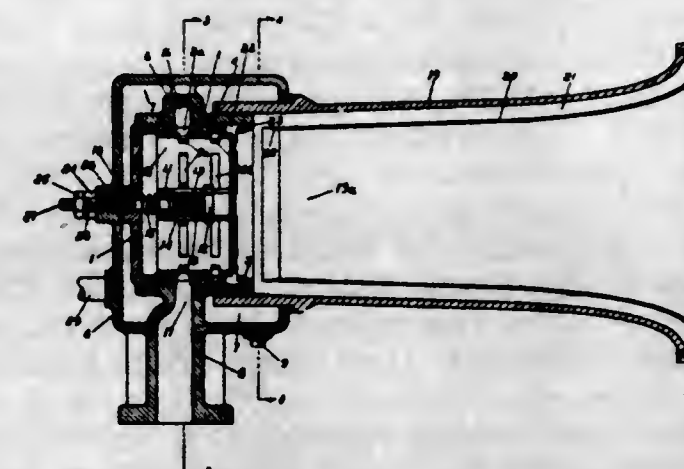


1. A brake for band saw machines of the type having a housing, a pair of guide rollers in said housing and an endless blade operable between said rollers, comprising a wedge movably mounted on said housing and engageable in braking relation between the blade and one of said guide rollers, resilient means biasing said wedge into braking position, and a restraining member for preventing operation of said resilient means, said restraining member including a portion bearing against said blade during normal tensioning thereof.

2,434,175

STEAM OPERATED HORN

Karl V. Ozols, Brooklyn, N. Y.
Application November 10, 1944, Serial No. 562,893
6 Claims. (Cl. 116—147)



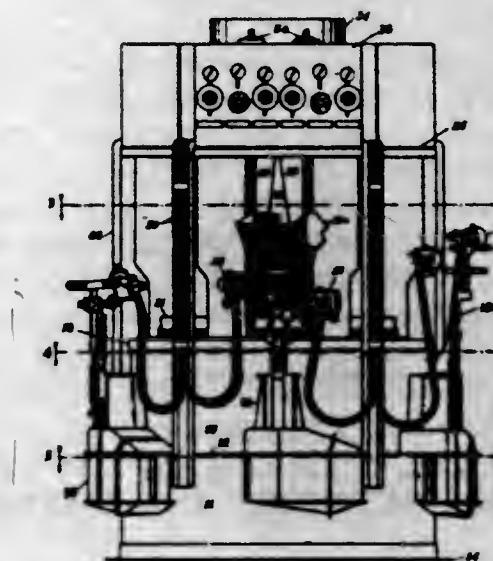
1. A sound producing device comprising a cylinder closed at its one end, a hollow piston in said cylinder, said piston being closed at the end opposite of the closed end of said cylinder, an inner chamber formed by said cylinder and said piston, a group of slots in the contacting walls of said cylinder and said piston, means to admit a pressure medium through said slots into said chamber

and to displace said piston from its one end position into a second end position, a second group of slots in said contacting walls so arranged as to connect said chamber in the second end position of the piston with the atmosphere and to simultaneously interrupt the admission of the pressure medium through said first group of slots, a compression spring to return said piston into its first operating position and to reestablish the connection with said pressure medium to thereby produce a periodic reciprocation of said piston in said cylinder, periodic air pressure variations creating sound waves and periodic pressure blasts producing sound waves, a resonating chamber adjacent to said cylinder and a lip integral with said resonating chamber, means to pass the periodic blasts of said pressure medium onto said lip and into said resonating chamber to produce thereby vibrations of the pressure medium creating sound waves and to summarize said various sound waves.

2,434,176

SPRAY COATING MACHINE

Kurt T. Potthoff, Brooklyn, N. Y.
Application November 17, 1942, Serial No. 465,836
37 Claims. (Cl. 91—45)



28. In combination, a reciprocatory member; a spray device; mounting means tiltably mounting said device on said member; a slide element frictionally movable on said member and having connection with the mounting means to tilt the latter as the slide element moves relative to the member; and stops for limiting the movements of said element.

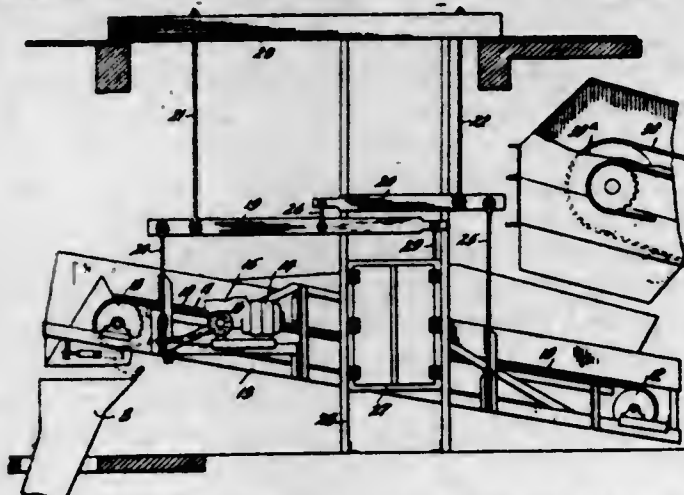
2,434,177

WEIGHING APPARATUS

Phillip B. Richardson, Montclair, N. J., assignor to Richardson Scale Company, Clifton, N. J., a corporation of New Jersey
Application May 10, 1944, Serial No. 534,933
18 Claims. (Cl. 249—42)

1. Weighing apparatus comprising, in combination, a weigh receptacle and means for feeding material thereto, weighing mechanism including main and tare beams having means for proportionally balancing the weight of the weigh receptacle and a predetermined residue of material, the main beam having also means for balancing a predetermined desired weighing, and a member connected to and movable with said beams and having a poise movable thereon and of a value to balance an excess weight of material fed to the weigh receptacle, and means controlled by the weighing mechanism for moving said poise into a position to balance said excess weight, and means controlled by the weighing mechanism and

operative while said poise is in a position to balance said excess weight for discharging material from the weigh receptacle until said residue is balanced.



2,434,178

METACHROME DYEING WITH A COLLOIDIZED CATIONIC AGENT

George L. Royer, North Plainfield, and Chester A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 27, 1944,

Serial No. 542,445

16 Claims. (Cl. 8—30)

2. A dye composition comprising a dry blend of chromable dyestuff and a colloidized mixture of hydrophilic colloid and cationic surface active agent, the colloidized mixture having high total dispersibility and good autodispersibility and the composition being capable of forming a metachrome dye bath giving a deep color penetration into the fibers without objectionable scum formation.

2,434,179

HYDROXYALKYL ETHERS OF HYDROXYLATED INTERPOLYMERS AND THEIR PREPARATION

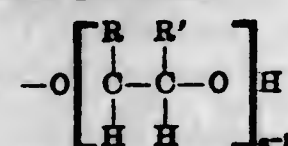
William H. Sharkey, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 30, 1943,

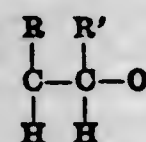
Serial No. 512,335

7 Claims. (Cl. 260—90)

1. A water-soluble hydroxyalkyl ether of a hydrolyzed interpolpolymer of ethylene and vinyl acetate, said ether being that had by replacing by hydroxyl groups at least 50% of the acetate groups of an interpolpolymer of ethylene and vinyl acetate in which the mol ratio of ethylene to vinyl acetate is within the range of from 1/25 to 8/1, and replacing the hydroxyl groups of the resultant hydrolyzed interpolpolymer by radicals having the general formula



wherein R and R' are radicals selected from the group consisting of hydrogen atoms and monovalent alkyl radicals containing not more than 4 carbon atoms, each



unit contains not more than six carbon atoms, and a is a positive integer, the average value of the numbers represented by a-1 in said ether being a positive number within the range of from 1 to 30.

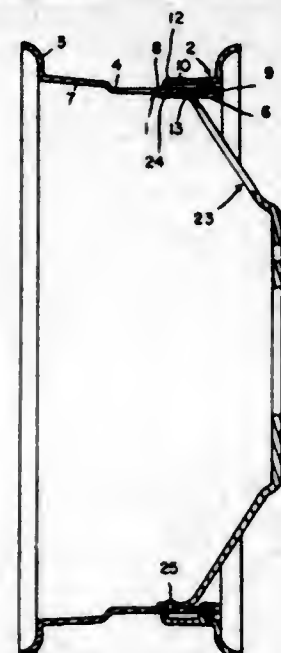
2,434,180

RIM

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application May 7, 1945, Serial No. 592,497

9 Claims. (Cl. 152—410)



1. In a tire carrying rim, an endless annular base member having an annular gutter, a detachable transversely split clamping ring member extending within said gutter and a detachable endless tire retaining ring member encircling and seated on said clamping ring member, said clamping ring member having angularly spaced contacts with one of said other members and also having radial wedging engagement with one of said other members and one of said members being flexed in the operative position of said members.

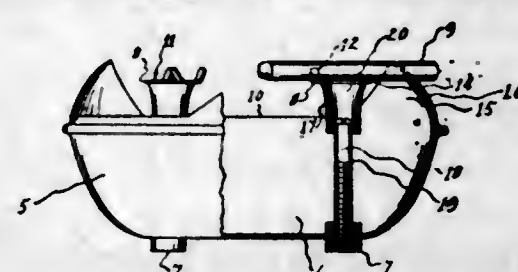
2,434,181

ASH TRAY

William Stevenson, Toronto, Ontario, Canada

Application October 28, 1946, Serial No. 706,174

6 Claims. (Cl. 131—240)



5. An ash tray having a side wall terminating in a rim, a rest or ledge for a cigarette disposed in the ash tray adjacent to the said rim and spaced therefrom to enable the cigarette to drop therebetween, means supporting said rest or ledge, said rest or ledge having a seating surface spaced with respect to said side wall and elevated with respect to the bottom of said ash tray to enable the butt end of the cigarette to extend outwardly over said rim, and means for causing the cigarette to skew in dropping from said rest or ledge in burning down so as to fall within the ash tray, said means comprising an arm rising from said rest or ledge at the outer side thereof to form a shoulder at one side of the cigarette, a biased edge formed on said rest or ledge at an inward angle with respect to the edge of the rest or ledge opposite the biased edge so as to serve as a deflector, and a wall element on said side wall rising above the rim thereof and having a biased edge upwardly inclined and extended in the same direction as the said first biased edge for engaging the butt end of the cigarette to serve as a co-acting deflector.

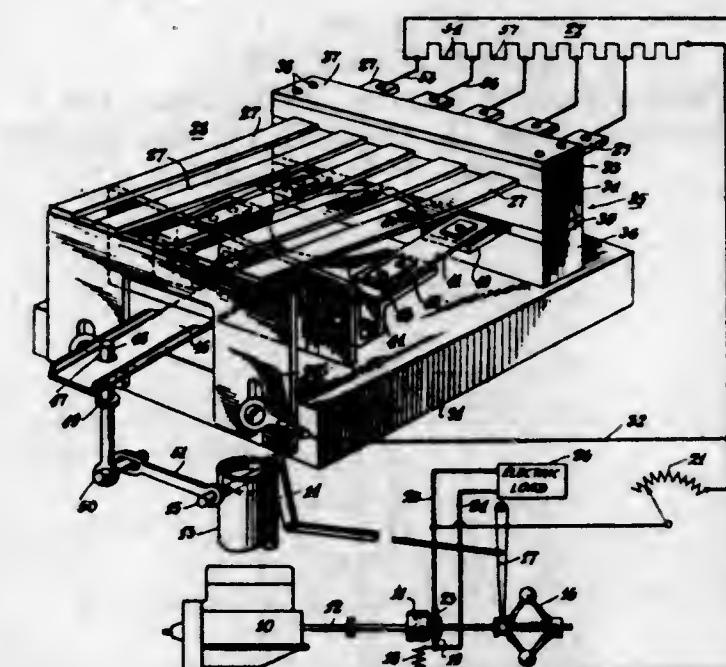
2,434,182

ENGINE CONTROL

John F. Taplin, Westfield, N. J., assignor, by mesne assignments, to Power Industries, Incorporated, New York, N. Y., a corporation of Delaware

Application July 29, 1944, Serial No. 547,223

3 Claims. (Cl. 290—40)



1. In combination, an engine, an electric generator adapted to be driven by said engine, a field excitation circuit for said generator, a plurality of resistance elements in said circuit for varying the generator output, a throttle valve for controlling the output of said engine, a governor responsive to the speed of the engine for regulating the position of the throttle valve, a resistance contactor for inserting said resistance elements step by step into said circuit, means including a push rod for interconnecting said contactor with said throttle valve only after the valve has reached a predetermined position, and a bumper on said push rod, said contactor comprising a plurality of contacts connected to said resistance elements, a tapered member for opening said contacts sequentially, whereby said resistance elements are inserted into said circuit sequentially, and a tongue for actuating said tapered member, said tongue having an oversize aperture for loosely receiving said push rod and being actuated only when engaged by said bumper.

2,434,183

OIL SEAL

William I. Tawes, Claymont, Del.

Application January 27, 1945, Serial No. 574,846

4 Claims. (Cl. 288—3)



1. An oil seal, comprising a deformable washer, a housing therefor, a resilient member for forcing the washer inwardly, and a multi-segment retaining member removably positioned about the housing to retain the parts in assembled position merely by frictional contact, each segment being of U-shaped cross-section and sufficiently resilient to permit it to be removably sprung into position to engage the parts of the housing and retain them in assembled position until it is desired to disassemble them.

2,434,184

FOUR-WAY HAT EXPANDER

Chris F. Vlasak, Milwaukee, Wis.

Application June 3, 1946, Serial No. 674,064

3 Claims. (Cl. 223—25)



1. A hat expander comprising like arcuate side sections, said sections having their terminals placed in adjacent relation to form an oval shaped frame, means operatively connecting the front and rear sections together for adjustment toward and away from one another, outwardly projecting plates rigidly secured to the terminals of certain sections, the remaining sections having their ends slotted to slidably receive the projecting ends of said plates, said projecting ends of the plates being longitudinally slotted, and pins rigidly secured to the last mentioned sections slidably received in said slots.

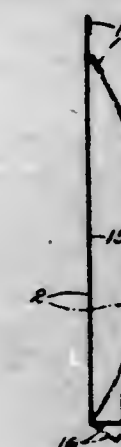
2,434,185

ROOF COVERING

Irving P. Whitehouse, South Euclid, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application July 13, 1945, Serial No. 604,903

5 Claims. (Cl. 108—17)



1. A shingle comprising a sheet of metal having a body portion curved on an axis parallel to the lower edge thereof to provide a concave surface to engage a building member, a channel-shaped bottom edge portion parallel to said axis, and a vitreous enamel coating on the surfaces of said sheet which are to be exposed when the shingle is in use.

2,434,186

COMBINED ELECTROMAGNETIC AND THERMAL PROTECTIVE CIRCUIT BREAKER SYSTEM

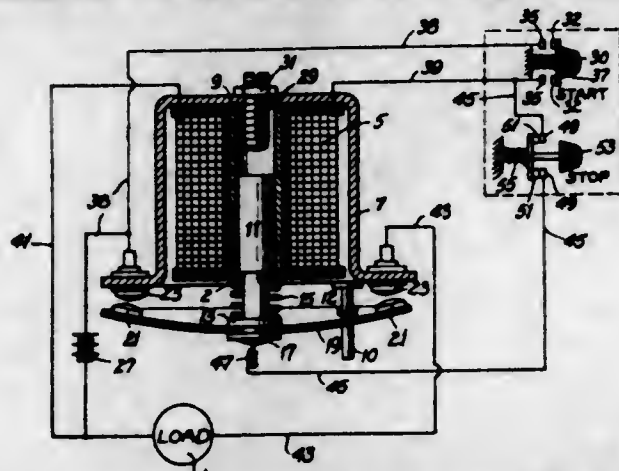
Harold M. Wilson, Arlington, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Application April 22, 1943, Serial No. 483,984

3 Claims. (Cl. 175—294)

1. A manually resettable trip-free circuit breaker for automatically breaking a load circuit upon overload, comprising a thermostatic switch adapted to make and break a load circuit, said switch comprising separable contacts, an elec-

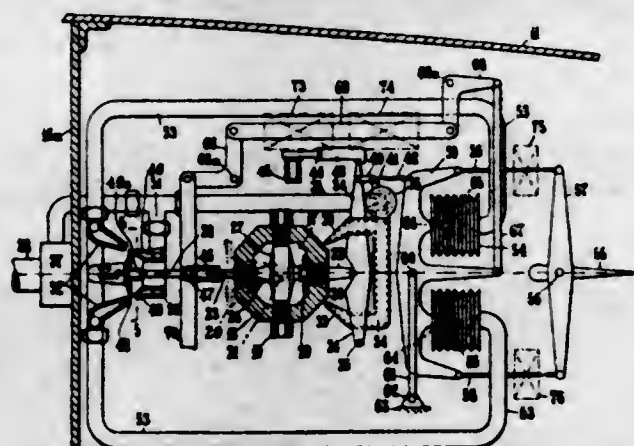
trically conductive thermostatic member controlling said contacts and included in the load circuit when the contacts are closed, said thermostatic member being adapted to open said contacts upon heating above a substantially predetermined temperature due to passage of overload current therethrough, means biasing said thermostatic member in a contact-opening direction, a solenoid which, when energized, biases said member in a contact-closing direction, a



holding circuit including said solenoid and thermostatic switch whereby said solenoid is energized when said contacts are closed, manually operable means for moving said thermostatic member in contact-closing direction, and means for limiting movement of said member in contact-closing direction to prevent closing of the contacts when said member is heated above said temperature.

2,434,187 STABILIZING AND STEERING OF AERIAL TORPEDOES OR BOMBS

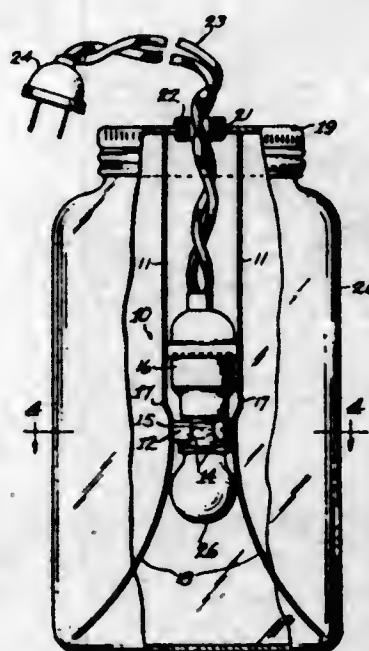
Walter Gordon Wilson, Martyr Worthy,
Winchester, England
Application June 25, 1942, Serial No. 448,508
In Great Britain February 11, 1941
6 Claims. (Cl. 244-78)



1. An automatic controlling mechanism for the rudders of aerial torpedoes comprising in combination a constant direction non-precessional gyroscope rotor, a gimbal ring therefor, an arm projecting from the ring, a two-arm pivoted lever, one end of which engages the arm on the ring, a curved deflector shield on the other end of said lever having the curvature thereof centered, on the fulcrum of the lever, such fulcrum being so positioned in the length of the lever that the arm actuated from the gimbal ring is shorter than the arm which carries the deflector shield which is adapted to be oscillated about said fulcrum to one side or the other by relative movement between the lever and the arm on the gimbal of the gyroscope when the aircraft tends to deviate from its course, a pair of fluid pressure supply nozzles one on each side of the two-armed lever and adjacent one side of the deflector shield, a pair of corresponding pressure receiving nozzles adjacent the other side of the shield, each in line with its respective supply nozzle, a pivoted rudder device, a pair of servomotors for turning the rudder

to one side or the other and a pipe connection extending from each receiver nozzle to one of the servomotors, so that when the deflector shield swings to one side, one of the supply nozzles is uncovered and allows pressure fluid to pass into the corresponding receiver nozzle to thereby actuate one of the servomotors to actuate the rudder to correct the deviation of the aircraft.

2,434,188 FOOT WARMER Elisha Starr Winn, Sr., Fitzgerald, Ga. Application June 11, 1946, Serial No. 675,895 5 Claims. (Cl. 219-19)



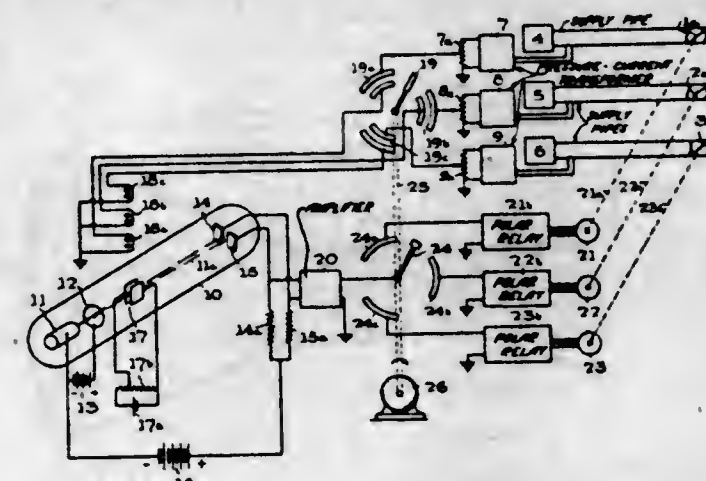
1. For use in a foot warmer having a heating element; an electric socket holding clamp of resilient material adapted to be placed in a standardized container of the fruit jar type, the container having a removable cover which may be perforated to permit electric wires to the socket to extend therethrough, said clamp comprising a pair of arms flaring somewhat outwardly from about their mid-point and being longer than the internal height of the container, a semi-circular cross arm integrally securing said pair of arms together at about their mid-point, and a pair of curved fingers on said arms circumferentially aligned with said semi-circular cross arm, the diameter of the arcuate curve provided by said cross arm and curved fingers being not greater than the diameter of the neck of the electric socket.

2,434,189 MULTIPLE REGULATOR SYSTEM Herbert Ziebolz, Chicago, Ill., assignor to Electronbeam, Ltd., Chicago, Ill., a partnership Application November 30, 1943, Serial No. 512,394 8 Claims. (Cl. 318-19)

1. In a regulator system, the combination of a plurality of movable elements for varying the magnitudes of a corresponding number of conditions, individual actuating devices for said condition varying elements, individual devices responding to the magnitudes of said conditions, a control relay having input means subject to control by said condition responsive devices and output means for controlling said actuating devices, magnitude-setting means normally biasing said relay for operation in a direction for increasing the magnitudes of said conditions, and distributor means for successively connecting the input means of said relay to be controlled by said condition responsive devices in opposition to said magnitude-setting means and for simulta-

neously rendering said relay operative to control the corresponding actuating devices for regulat-

supply fuel mixture to both said passages, and independent heating means separately controlla-



ing said conditions periodically and in a predetermined sequence.

2,434,190 PURIFICATION OF FLUIDS WITH SILVERED RESINS

Robert Bowling Barnes, Stamford, and Garnet Philip Ham, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 13, 1942, Serial No. 461,901
4 Claims. (Cl. 210-24)

1. A process of destroying germs in a fluid medium which comprises treating a fluid medium containing germs with an anion active resin capable of absorbing an acid from a liquid having an oligodynamic metal precipitated thereon and bound therewith.

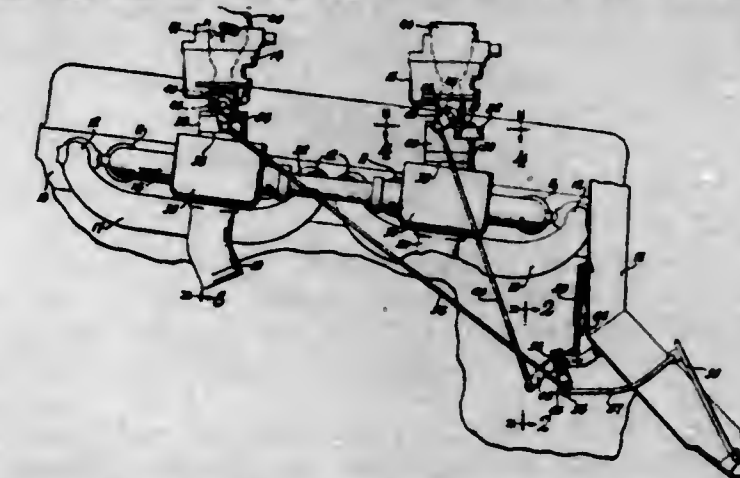
2,434,191 REMOVING ORGANIC IMPURITIES FROM COPPER-CYANIDE ELECTROPLATING BATHS

Harry L. Benner and Robert R. Bair, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1942, Serial No. 429,285
6 Claims. (Cl. 204-52)

1. The process for removing deleterious organic compounds from a used electroplating bath containing hydroxyl ions and carbonate ions which comprises precipitating magnesium hydroxide in said bath by adding a soluble magnesium salt to said bath and replacing the acid radicles of said magnesium salt with hydroxyl radicles substantially without precipitating magnesium carbonate therein.

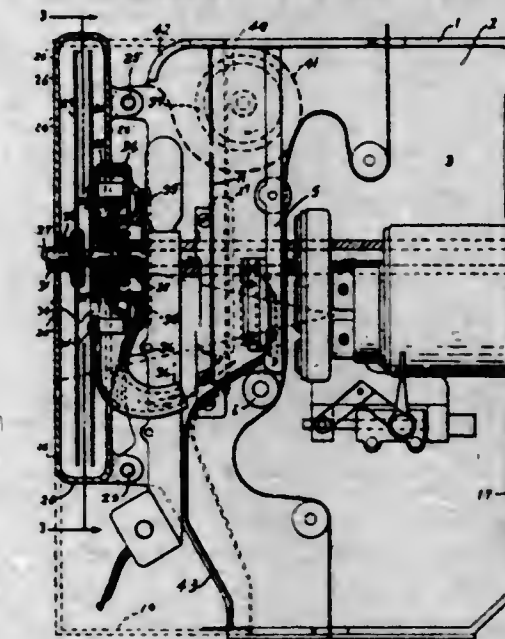
2,434,192 DUAL CARBURETOR FUEL SYSTEM Adolph F. Braun, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware Continuation of application Serial No. 339,255, June 7, 1940. This application February 5, 1941, Serial No. 377,547 30 Claims. (Cl. 123-127)

1. An internal combustion engine having a plurality of intake ports, intake manifold structure having one passage connecting certain of said ports and a second passage connecting other ports, two twin carburetors each positioned to



ble arranged to apply exhaust gas to heat the mixture delivered by each carburetor.

2,434,193 VENTILATING SYSTEM FOR MOTION- PICTURE MACHINES Karl Brenkert, Detroit, Mich. Application February 23, 1945, Serial No. 579,427 2 Claims. (Cl. 88-17)



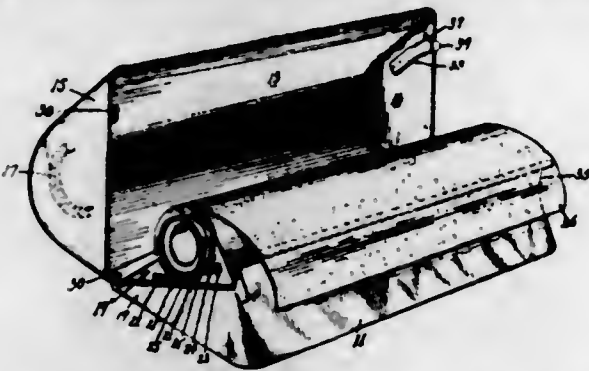
1. In a motion picture machine, a housing, an aperture plate therein, an impeller housing supported in spaced relation to said aperture plate, said impeller housing having spaced lateral walls substantially parallel to the plane of said aperture plate and an intervening peripheral wall, a nozzle extending from said impeller housing and directed towards said aperture plate, an impeller rotatably mounted in said impeller housing, said impeller having an air inlet on the side thereof more remote from said aperture plate, a shutter attached to the same side of said impeller and disposed externally of said impeller housing and radially outward of said air inlet, and a guard enclosing said shutter, said guard having openings therethrough in direct communication with the immediately surrounding atmosphere, said guard having a light admission port spaced from the center of rotation of said impeller, certain of said openings being spaced substantially from said port and from said center of rotation.

2,434,194 CABINET FOR DISPENSING SHEET MATERIAL

Frank L. Broeren, Neenah, and Norman J. Slye and Archie S. Krueger, Green Bay, Wis., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application May 7, 1947, Serial No. 746,524
11 Claims. (Cl. 312-39)

1. A cabinet for dispensing sheet material from a flanged core comprising a base, a cover for said

base, a bearing member provided on said base, and a bearing member provided on said cover, and a

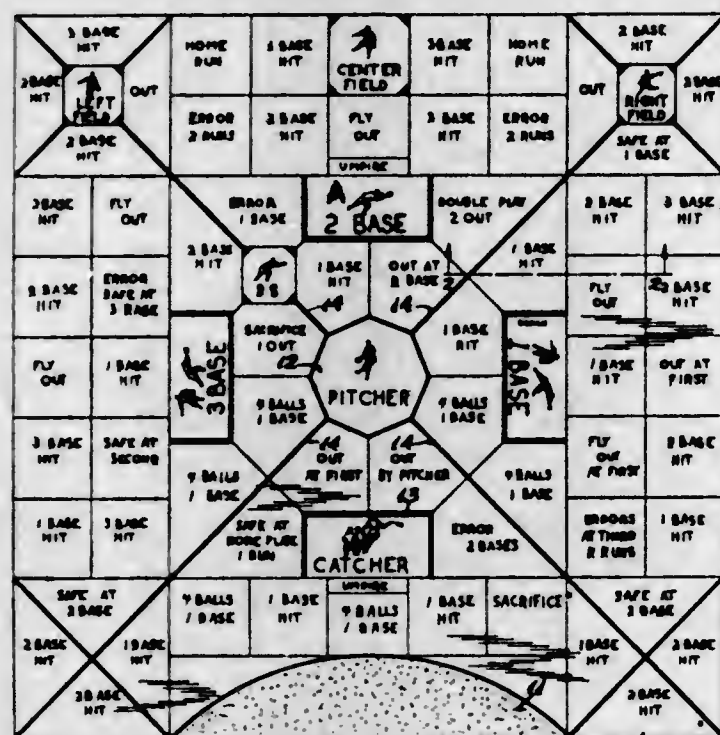


resilient strip disposed in one of said bearing members and subtending a chord thereof to resiliently journal the flange of said core.

2,434,195

BASEBALL GAME

Samuel Cantor, Brooklyn, N. Y.

Application March 20, 1945, Serial No. 583,714
5 Claims. (Cl. 273-88)

4. A baseball game, comprising a normally flat rigid square board adapted to form obstacles and having a flexible top surface having a checker starting bottom area from which checkers may be propelled to different points upon the board, a pitcher's area at the center of the board, a catcher's area between said starting bottom area and said pitcher's area, diagonal means from said pitcher's area to the corners of the board, and a plurality of various shaped areas representing various plays of a baseball game, and eccentric strips mounted in passages in said board and extending along said diagonal means and in certain turned positions rotating upwards said diagonal means for forming obstacles on said board over which the checkers must pass, said strips being provided with stem portions on their inner ends and shanks at their outer ends, said board being made of several layers, and said passages being formed in the inner layers.

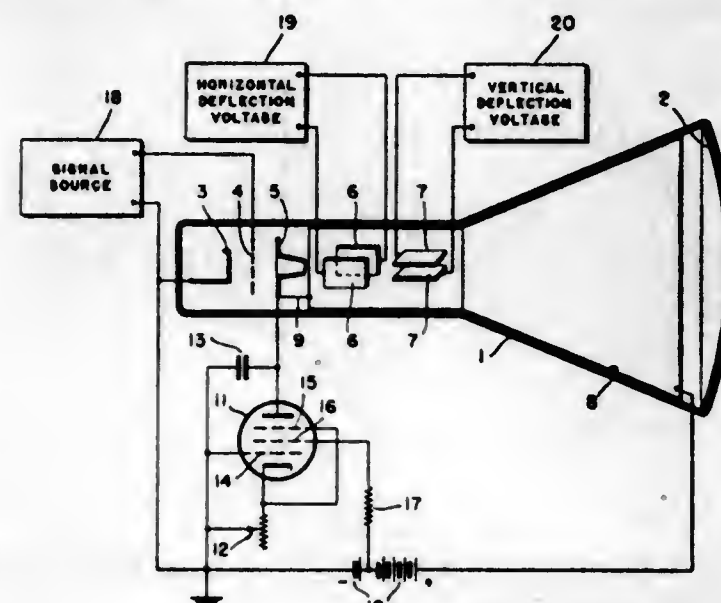
2,434,196

FOCUS CONTROL FOR TELEVISION IMAGE TUBES

Madison Cawein, Fort Wayne, Ind., assignor, by means assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application November 19, 1943, Serial No. 510,969
6 Claims. (Cl. 315-14)

1. In combination, a cathode ray tube having a source of electrons and an electron focusing

anode, a source of electrical energy, means including a relatively high resistance wall coating for said tube for impressing upon said anode a potential developed by a flow through said wall



coating of current derived from said source of energy, and electronic means for varying the magnitude of the current flow, whereby to vary the potential impressed upon said anode.

2,434,197

PROCESS FOR PRETREATING PINENE CRUDES

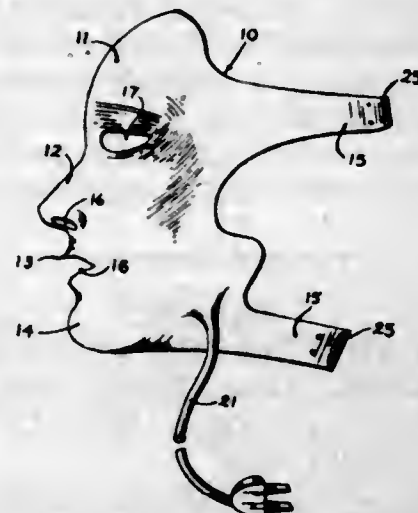
Edwin L. Cline, Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 13, 1943,
Serial No. 482,885
4 Claims. (Cl. 260-675.5)

1. A process for removing dark-resin-forming constituents and other undesirable components from a resin crude containing pinene, which comprises subjecting the crude to contact with an acid-activated natural clay in an amount not greater than 5% of the weight of the crude at a temperature between about 0° and about 60° C., and separating a resinous material resulting from polymerization of the dark-resin-forming constituents of the crude from the remainder of the crude.

2,434,198

ELECTRICAL FACIAL MASK

Stephen Duma, Staten Island, N. Y.
Application May 1, 1946, Serial No. 666,272
3 Claims. (Cl. 128-402)



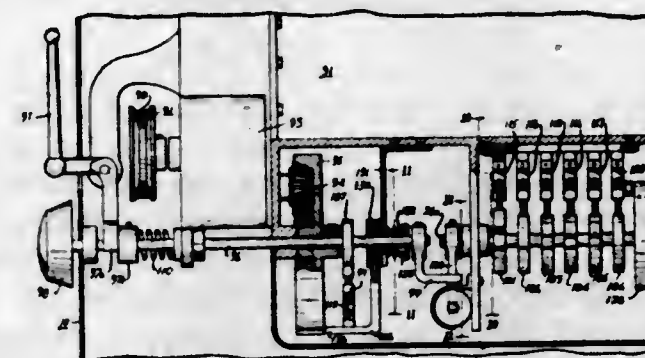
1. A facial heating mask comprising a rubber mask shaped to fit the contours of a human face, having openings for a nose, eyes, and mouth, having adjustable bands for securing said mask on the face of a wearer, having a heating member disposed in a pattern in horizontal lines parallel to said openings across the area of the mask, said

mask comprising an outer structural layer and an inner padding layer extending across substantially the entire facial area of said outer layer and terminating short of the adjustable bands thereon, said heating member being disposed substantially midway between the surfaces of the outer layer, said padding being flexible and compressible to conform with the contours of the face of a wearer, said padding layer being secured to said outer layer substantially across the entire area thereof by means of an adhesive layer, and movable contour members removably secured to the inner surface of said mask and adapted to conform with desired facial contours.

2,434,199

CONTROL FOR AUTOMATIC CLOTHES WASHING MACHINE

John B. Dyer, Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application August 30, 1938, Serial No. 227,519, now Patent No. 2,325,837, dated August 3, 1943. Divided and this application
January 20, 1943, Serial No. 472,933
4 Claims. (Cl. 68-12)



1. A washing machine including a tub, filling means for filling the tub with liquid, agitating means for agitating the contents of the tub, a manually settable control means for controlling each of said means, said control means including a settable device movable to selective positions for controlling said filling and agitating means to fill the tub and agitate the contents therein, a second device having a lost motion connection with said settable device for controlling said filling and agitating means to provide a rinsing period, and a driving means for driving said settable device.

2. A control including a first set of control devices, a second set of control devices, a settable device movable to selective positions to operate said first set of control devices in a selective period according to its selective setting, a second device for operating said second set of control devices, a driving means for driving said settable device, and a lost motion connection connecting said settable device and said second device for driving the second device after the selective period of the settable device.

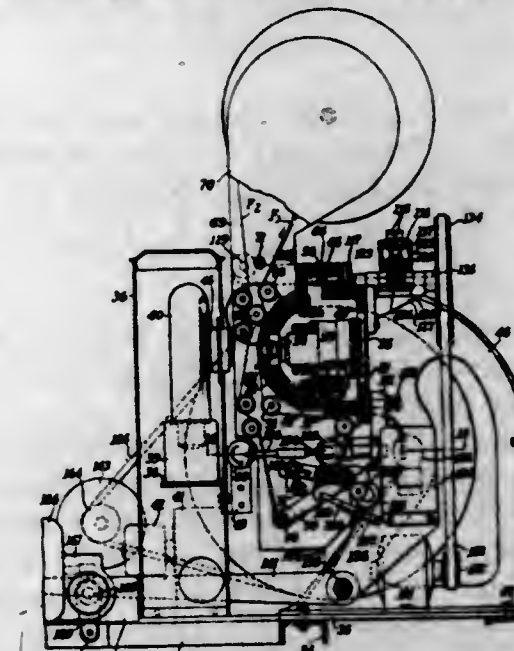
2,434,200

MULTIPROGRAM PROJECTOR

Richard C. Engelken, deceased, late of Clifton, N. J., by Mary A. Engelken, executrix, Clifton, N. J.
Application February 23, 1944, Serial No. 523,508
49 Claims. (Cl. 88-16.2)

1. In a multi-program sound-on-film photographic projector, the combination with a frame, an optical system thereon, a sound reproducing means including a photo-electric cell on said frame, a carriage means supporting a plurality of film handling units each adapted to contain a perforated endless film strip bearing a pair of

laterally adjacent image series and sound tracks associated therewith and arranged within said units with two film strip portions in laterally overlapping relation, an optical conductor angularly arranged in each unit and for directing the image of the sound track from one film portion to one side of the laterally overlapping other film portion, a bar on said carriage means and provided with a plurality of notches corresponding in number and location to the number and location of said image series on said carriage means, an optical compensating means mounted in each of said film handling units and operatively connected to the perforated film strip therein, and a carriage operating means operatively engaging the notches in said bar, for moving said carriage means with simple harmonic motion and for locating a selected image series in alignment with said optical system, of a film advancing assembly including a movable support, a drum ro-



tatably mounted thereon, and a driving means on said support, said support, drum and driving means being so arranged and located that said drum is moved by gravity into frictional engagement with a selected film strip, an assembly moving means operatively connected to said support and for moving said film advancing assembly and drum against the gravitational action and moving said drum out of engagement with said film strip and away from its film handling unit, a film operated control means mounted on the support of said film advancing means and for engaging the film strip when said drum is moved into engagement therewith, and a light source and associated optical member both mounted on said support and movable into alignment with a sound track on said film strip when said drum is moved into engagement therewith and for directing a light beam through a sound track overhanging said drum and through said optical conductor on said film handling unit onto said photo-electric cell on said frame.

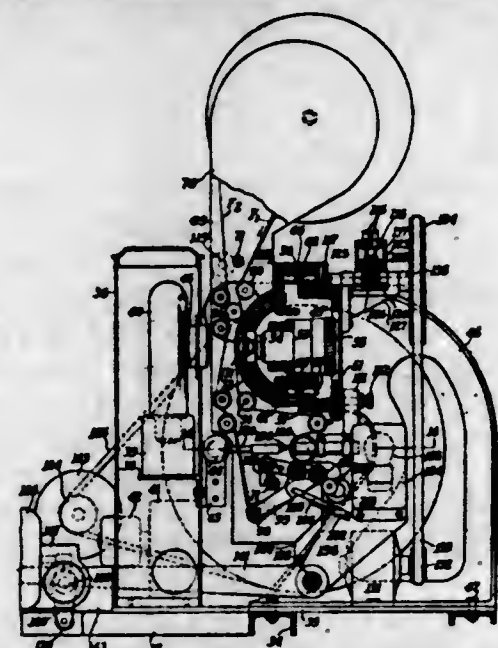
2,434,201

CONTROL SYSTEM FOR MULTIPROGRAM PROJECTORS

Richard C. Engelken, deceased, late of Clifton, N. J., by Mary A. Engelken, executrix, Clifton, N. J.
Application February 23, 1944, Serial No. 523,509
27 Claims. (Cl. 88-17)

1. In an automatic selector apparatus, the combination with a pair of members relatively movable to a plurality of predetermined positions, and an operating means connected to one of said members and for moving the same to any of said relative predetermined positions, of a selector means controlling said operating means and comprising a plurality of contacts each corresponding

to a relative predetermined position of said member, and a conductor element having an insulated portion and for engaging said contacts, and an operative connection between said selector

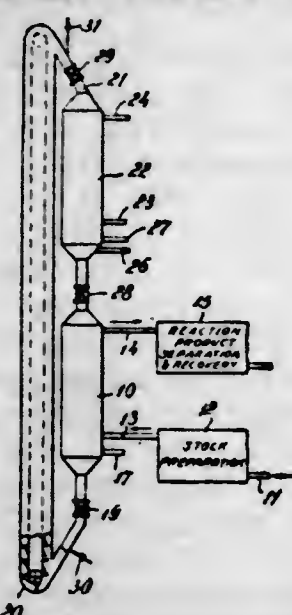


means and the movable one of said members and for relatively moving said conductor element and said insulated portion with respect to said contact.

2,434,202

METHOD AND APPARATUS FOR CONTACTING GASES WITH PARTICLE FORM SOLID CONTACT MATERIALS

Louis P. Evans, Woodbury, Charles V. Hornberg, Wenonah, and Frederick E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 1, 1944, Serial No. 529,080
21 Claims. (Cl. 196—52)



1. A method for effecting uniform contacting between a gas and a particle-form solid contact material flowing as a moving bed through a contacting zone to a discharge zone of lesser cross-sectional area which comprises: maintaining a bed of downwardly moving contact material within said contacting zone; replenishing said bed at the top thereof; flowing the contact material from the bottom of said contacting zone as a subdivided moving bed uniformly distributed over the cross-sectional area of said contacting zone and having a cumulative horizontal cross-sectional area less than that of the bed in said contacting zone; introducing gas into said subdivisions and passing it upwardly therethrough into said bed in said contacting zone; passing said gas through at least a portion of said bed of contact material, and withdrawing gas from said bed; recombining said subdivisions in a plurality of horizontal stages, each recombination involving a reduction in the number of subdivisions in the absence of any further division of the original sub-

divisions; and finally merging the resulting subdivisions into a continuous, moving substantially compact discharge stream in said discharge zone while maintaining continuity of solid material column from said discharge stream through said subdivisions to said contacting zone thereabove.

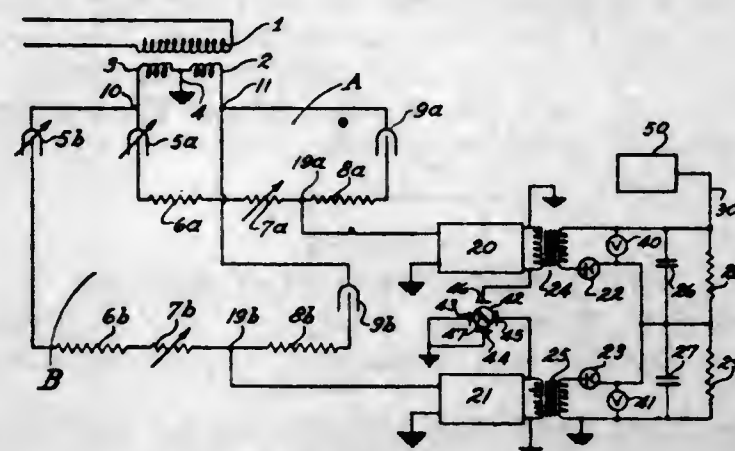
11. An apparatus for contacting gases with particle form solid material comprising: a vessel laterally confining a substantially compact bed of downwardly flowing particle form solid material; means to introduce said solid near the top of said vessel; a plurality of superposed horizontally extending partitions spaced apart in the lower section of said vessel, said partitions dividing the lower section of said vessel into a series of superimposed chambers of substantially less height than the remainder of said vessel thereabove, the uppermost of said partitions having a plurality of holes therethrough, said holes being of such size and distribution across said uppermost partition as to provide a hole cross-sectional area per unit of partition cross-sectional area which is substantially uniform entirely across said partition, and each of said succeeding partitions below having a gradually decreasing number of holes, said holes in said succeeding partitions being horizontally staggered between the holes in the partition thereabove in such a manner as to receive proportionate flow of solid from said holes thereabove a solid material discharge duct connected to said vessel below the lowermost of said partitions, the inlet thereof being symmetrically placed with regards to the cross-sectional distribution of the holes in said lowermost partition; a flow control means on said discharge duct; conduits open at their ends dependently associated with each of the holes through at least one of said partitions, said conduits terminating short of the partition below; a vapor flow conduit connected into said vessel at at least one location below at least one of said partitions having depending conduits and above the lower extremity of said depending conduits; a vapor flow conduit connected to said vessel near the upper end thereof.

2,434,203

METHOD AND APPARATUS FOR MAGNETIC TESTING

Cecil Farrow, Bainbridge Township, Geauga County, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application September 22, 1943, Serial No. 503,408
10 Claims. (Cl. 175—183)



1. A circuit for non-destructive testing which comprises a primary signal circuit for generating a signal, a secondary circuit for picking up said signal and including a pair of serially connected pickup coils adapted to have an article being tested passed through or near them to affect the picked up signal and having a common terminal,

the electrical potential of which is referred to for reference as zero-potential, a pair of parallel branch circuits each connected in series with the signal coils and including resistive and reactive elements with an output terminal at an intermediate point in the circuit, means for relatively adjusting the impedances of said elements for normally producing zero-potential at the output terminal, output connections for each of said parallel circuits between the said zero potential coil terminal and said output terminals, and means connected to said output connections to measure a change from zero potential difference upon a change in phase of said signal in the pickup coils.

2,434,204

PREVENTION OF DETERIORATION OF GRAIN

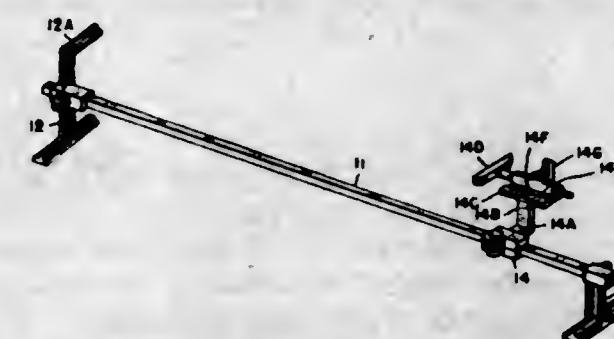
Charles G. P. Feachem, Northwich, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 20, 1944, Serial No. 536,643. In Great Britain May 20, 1943
6 Claims. (Cl. 99—153)

1. The process for combatting insects in grain and pulses which comprises incorporating therein 0.05–0.5% by weight of γ -alumina prepared by precipitating aluminium hydroxide from an alkaline solution of sodium aluminate, washing, drying, and activating the precipitated hydroxide by heating it for 2–24 hours at 250°–500° C., and pulverising it to an average particle size substantially below 10 microns.

2,434,205

MEANS FOR ASCERTAINING ACTUAL POSITIONING OF AUTOMOBILE WHEELS

Charles I. Fields, Detroit, Mich., assignor to Arthur Jans, Detroit, Mich.
Original application June 15, 1942, Serial No. 447,080. Divided and this application August 31, 1944, Serial No. 552,150
1 Claim. (Cl. 33—203.17)



Means for ascertaining the actual positions of vehicle front wheels including a horizontal tram-mel bar adapted to simultaneously contact the treads of the tires of both front wheels at a substantial distance above the floor and carrying a pair of slidable brackets provided each with a raised angular arm offset toward the axles of said wheels, the offset arm of one bracket directly engaging the side wall of the tire of one wheel, and a gauge having an indicating scale mounted on the offset arm of the other bracket, said gauge including a slidable element adapted to engage the side wall of the tire of the other wheel and carrying a pointer movable over said scale.

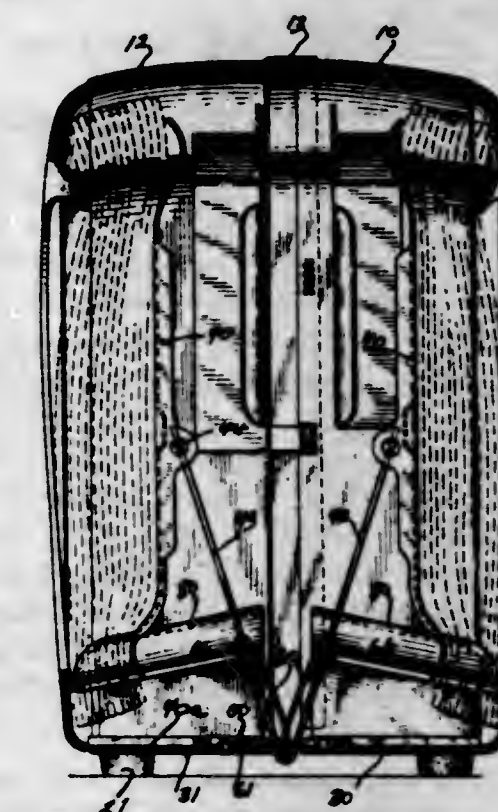
2,434,206

FOLDED NAPKIN DISPENSER

Robert T. Frieders, Menasha, Wis., assignor to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application August 8, 1946, Serial No. 689,265
2 Claims. (Cl. 312—62)

2. A dispenser for folded napkins and the like
606 O. G.—11

comprising two complementary sections, each section having a top, bottom, sides and a front face panel, said front face panel being provided with a dispensing opening, a hinge connection between the bottoms of the complementary sections including a pintle, whereby the sections may be closed upon separated stacks of napkins arranged in each section to abut the said respective front face panels so as to be dispensed through said dispensing openings, means for retaining the sections in closed relation, a link bar in each section hinged at one end upon said pintle, a pair

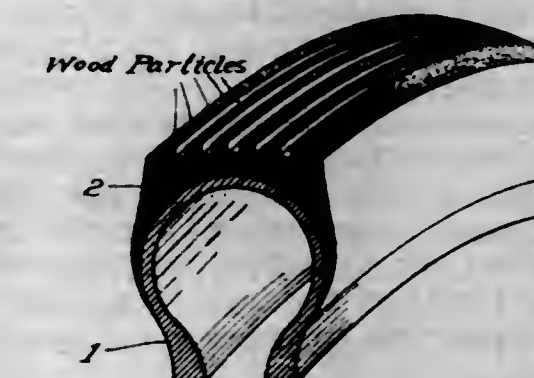


of coiled springs on said pintle for urging each of said link bars outwardly, pusher plates hinged to the other end of said link bars for urging the separated stacks toward the respective front face panels when the said sections are closed, a socket portion in the bottom of each section adjacent said pintle, one end of each of said springs being affixed to one of said link bars and the other end of each of said springs being engaged in the socket portion of the opposed section and being adapted for automatically retracting said link bars and pusher plates from each of said sections when the sections are swung open.

2,434,207

ANTISKID RUBBER TIRE

Clarence A. Gopen and Lonnie Gopen, Morgantown, W. Va.
Application January 14, 1947, Serial No. 722,072
2 Claims. (Cl. 152—211)



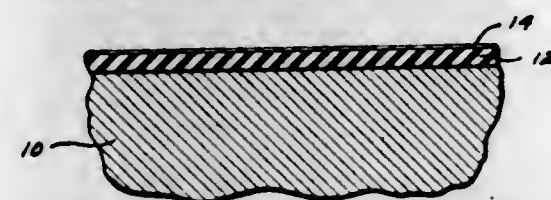
1. A rubber tread surface comprising approximately 20% to 30% by weight of irregularly shaped wood chunks and approximately 80% by weight, respectively, of a cured rubber matrix, said wood chunks being uniformly and intimately dispersed throughout said rubber matrix, said wood chunks consisting substantially of a screen size between a No. 6 standard mesh screen as a maximum and a No. 16 standard mesh screen as a minimum and being substan-

tially of the configuration of sawdust produced by a No. 10 wood cutting saw, which sawdust is in the form of chunks having projecting ends, corners and edges.

2,434,208

AEROPLANE PROPELLER HAVING AN ICE PREVENTING COATING

Richard S. Gaugler, Dayton, and Hugh W. Guenther, Oakwood, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 17, 1945, Serial No. 611,058
5 Claims. (Cl. 244—134)

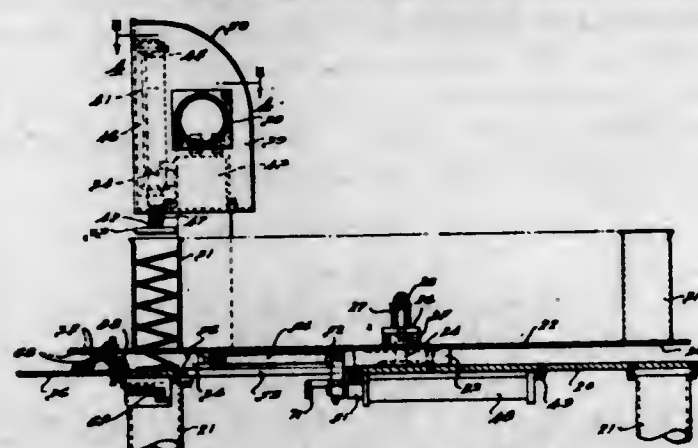


1. A propeller for an aeroplane comprising a metallic blade and a permanent water insoluble coating thereon composed of a mixture of substantially 75% by weight of polyisobutylene having an average molecular weight within the range of 60,000 to 180,000, substantially 15% by weight of chlorinated diphenyl, and substantially 10% by weight of a plasticizer, said chlorinated diphenyl being selected from the group consisting of oily chlorinated diphenyls and resinous chlorinated diphenyls.

2,434,209

DEVICE FOR INSERTING SPRINGS IN POCKETS

Harold P. Glazier, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application August 19, 1944, Serial No. 550,146
10 Claims. (Cl. 226—18)



1. In a device for inserting a spring in a pocket having an opening in the side thereof, a pair of delivering fingers over which said pocket is insertable, the uppermost finger having on its under side a frictional surface for offering resistance to the movement of the top coil of the spring, the lowermost finger being longer than the upper finger and having an upturned end portion to aid in forcing the bottom turn of the spring upwardly so as to have the spring ejected with its axis horizontal.

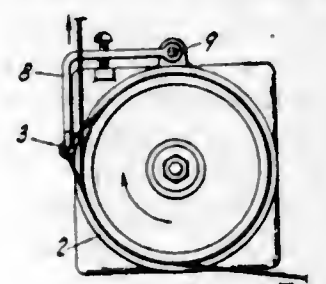
2,434,210

GUIDE MECHANISM

Hugh D. Haley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 11, 1943, Serial No. 478,847
3 Claims. (Cl. 28—71.5)

1. In thread handling apparatus, the combination of a wheel and a guide adjacent thereto for

directing a thread with respect to the wheel, the guide being mounted on a member pivotally mounted on an axis substantially parallel to that

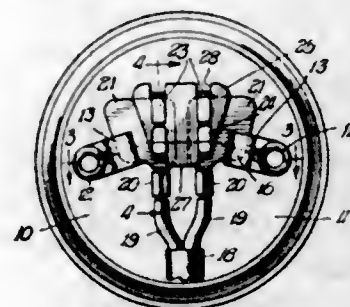


of the wheel to permit free swinging thereof under the influence of the thread to normal position adjacent the wheel and out of normal position away from the wheel.

2,434,211

ELECTRICAL CONNECTOR

Denison B. Hull, Winnetka, and Lewis E. Medlin, Evanston, Ill.
Application April 12, 1945, Serial No. 588,000
5 Claims. (Cl. 173—328)

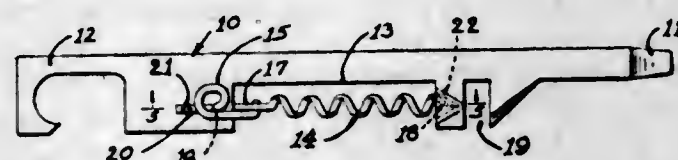


1. In a contact assembly of the type described, a body having a pair of spaced contact tongues thereon, said tongues being of angled outline including elements contacting and secured to the body and further elements spaced from the body in inclined relation to one another to provide a contact slot restricted adjacent its lower end so as to restrain downward movement of a connector therein, and a connector engageable in said slot, comprising an insulating support and a pair of conducting wing members secured on opposite sides thereof, at least one of said wing members having an inclined surface and being wedgingly engageable in said slot in contact with said further element of one of said tongues to effect electrical connection therewith, downward movement of the connector being restrained by coaction of said wing members with said tongues.

2,434,212

CORKSCREW WITH POINT PROTECTOR

Gaspar Ippolito, New York, N. Y.
Application March 21, 1945, Serial No. 583,932
1 Claim. (Cl. 81—3.45)



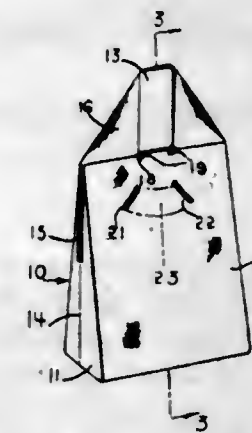
An all purpose opener, comprising a shank having on one end an L-shaped arm providing a finger hold and an offset lug located forwardly of said arm, a spiral corkscrew having an offset trunnion in its rear end pivotally engaged with said offset lug, a wire member having an arm which engages the shank of the spiral corkscrew and a loop which bears against the side of the offset lug, a flat spring secured to said offset lug to engage said wire loop, and a lug extending

lateral of the first-named shank and provided with a pocket to receive the point of the corkscrew, whereby said corkscrew point will be normally guarded when the said corkscrew is in folded position on the shank, the L-shaped arm providing means for holding the first-named shank when the corkscrew is operated.

2,434,213

CARRIAGE ROBE

Olvio Kovary, New York, N. Y.
Application June 7, 1946, Serial No. 675,080
4 Claims. (Cl. 2—69)

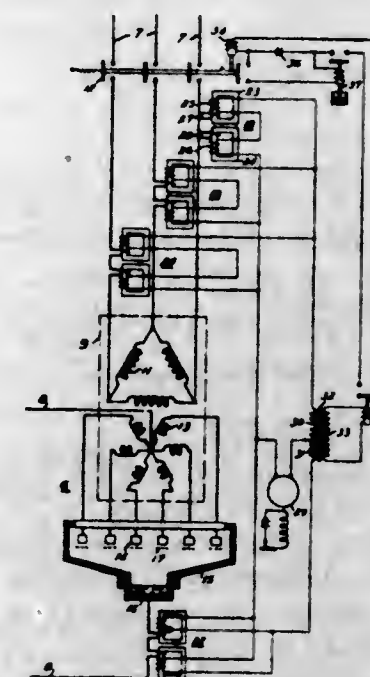


1. A carriage robe comprising front and rear portions connected together at their sides and bottom to provide a bag like bottom portion suitable for the legs and feet of the occupant, said rear portion extending upwardly above the front portion sufficiently to permit its corners to be folded down over the shoulders of the occupant and about his neck, means for fastening the folded corners to the front portion, said fastening means for the corner portions comprising loops on the folded down corners and buttons on the front portion adjacent the center thereof.

2,434,214

PROTECTIVE SYSTEM FOR CURRENT CONVERTORS UTILIZING DIFFERENTIALLY CONNECTED SATURABLE REACTORS

Karl Lerstrup, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 19, 1947, Serial No. 729,548
6 Claims. (Cl. 175—363)



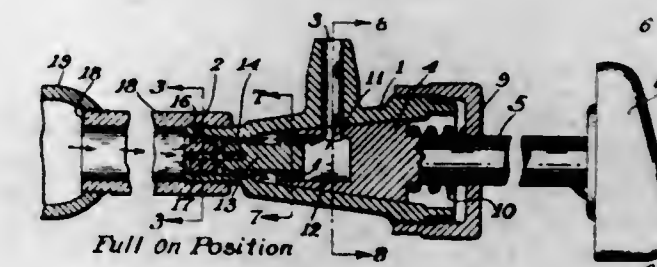
1. In a protective system for a current converter connecting an input circuit with an output circuit, the combination of first reactor means comprising a first inductive winding and a first control winding, means for energizing said

first control winding in dependence upon the current intensity through said input circuit, second reactor means comprising a second inductive winding and a second control winding, means for energizing said second control winding in dependence upon the current intensity through said output circuit, a source of alternating current, means for connecting said first and second inductive windings with said source, and means for controlling the operation of said converter comprising means differentially responsive to the currents of said first and second inductive windings.

2,434,215

CONTROL VALVE FOR GASEOUS FUEL BURNERS

Charles M. Mayer, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application October 7, 1944, Serial No. 557,608
6 Claims. (Cl. 277—32)

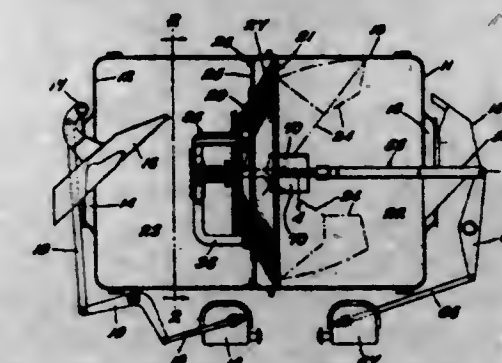


3. A control valve for gas burners comprising a valve body having an inlet and an outlet passageway, a plug secured in the outer end of said inlet passageway, an axial bore of fixed capacity extending through said plug, a valve member mounted in the inner end of said passageway and adapted to be moved into and out of engagement with the inner end of said plug, means in said valve member providing for the flow of fluid through which gas is adapted to flow into said valve body when said valve member is out of engagement with the inner face of said plug, said means being of a capacity not less than the capacity of the axial bore in said plug, a bore in said valve member of smaller capacity than the capacity of the axial bore in said plug through which all the gas entering said valve body flows when said valve member is in engagement with the inner face of said plug, and manually operated means for moving said valve member into and out of engagement with the inner face of said plug.

2,434,216

TRANSFER MECHANISM FOR PLURAL COMPARTMENT CONCRETE MIXING DRUMS

Andrew McMillan, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 4, 1944, Serial No. 566,491
3 Claims. (Cl. 259—175)



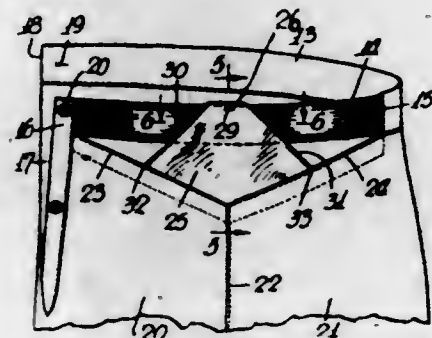
1. In a concrete mixing drum, having a transverse partition dividing it into primary and secondary mixing compartments, which partition is

provided with a transfer opening for the mixture, said drum also having rotatable elements in said primary compartment for moving the mixture toward said opening; a door mounted for reciprocation axially of the opening whereby to control transfer of mixture therethrough; and members disposed adjacent the opening and axially reciprocable with the door from a position removed from the opening when the door is closed, to a position adjacent the opening when the door is open, whereby in the latter position they may deflect mixture from said rotatable elements through the opening.

2,434,217

TROUSER CONSTRUCTION

Albert J. Miller, York, Pa., assignor to Cohler Co. Inc., Red Lion, Pa., a corporation of Pennsylvania
Application January 30, 1947, Serial No. 725,303
2 Claims. (Cl. 2-227)

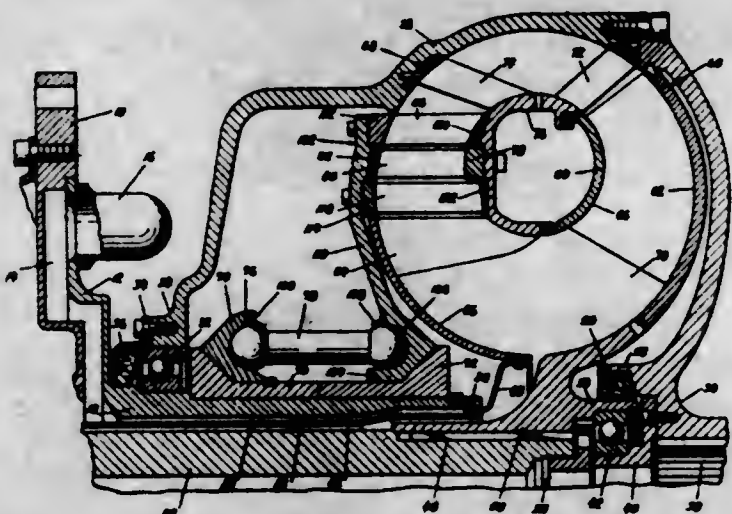


1. In a pair of trousers having side panels forming the front and back and joined at their adjacent edges to form a body portion and leg portions, the front portions extending to the waist line and including a waist band, the upper edges of the rear portion extending from a medial point below the waist line and diverging upwardly to the sides of the garment, an elastic waist band for the rear portion and substantially extending from side to side attached to the ends of the front waist band, and a substantially centrally disposed suspending flap having downwardly divergent side edges connecting substantially the central portion only of the elastic waist band and the upper edges of the rear portion, leaving about the upper half of the divergent edges of the rear portion free and unattached.

2,434,218

ROTARY FLUID TORQUE CONVERTER AND COUPLING

Raymond J. Miller, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application February 4, 1944, Serial No. 521,105
2 Claims. (Cl. 60-54)



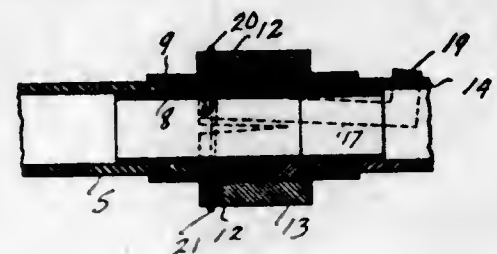
2. A fluid transmission comprising an impeller and a turbine providing a fluid circuit in con-

junction therewith, a fixed support, a reaction member movable on the fixed support, and a connecting link pivotally attached to the fixed support and connected to the reaction member whereby the latter is moved in and out of the fluid circuit in response to fluid reaction.

2,434,219

HOSE COUPLING

Fred C. Morrison, Babbitt, Nev.
Application April 17, 1944, Serial No. 531,337
3 Claims. (Cl. 285-171)

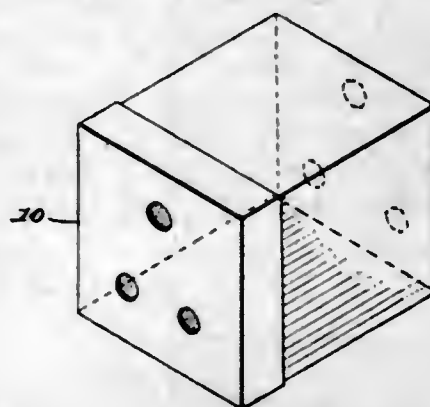


1. A coupling comprising a pliable insert secured to a hose section and defining the male member of the coupling, a pliable female member having a section of hose secured thereto, said female member being longitudinally slotted to permit expansion and contraction of the same, cooperating locking means associated with said male and female members, and a locking lever mounted on said female member, link connections encircling said female member and adapted to be actuated by the manual operation of said lever to bring said locking means into operative position and to automatically lock said male and female members to secure a joint.

2,434,220

LOBSTER BAIT

George Muir, Cohasset, and Otto L. Schleicher, Boston, Mass.
Application March 19, 1946, Serial No. 655,489
6 Claims. (Cl. 99-3)



1. A lobster bait comprising an inert absorbent carrier impregnated with an oil selected from the group consisting of vegetable and fish oils and containing a substantial quantity of liquid ammonia.

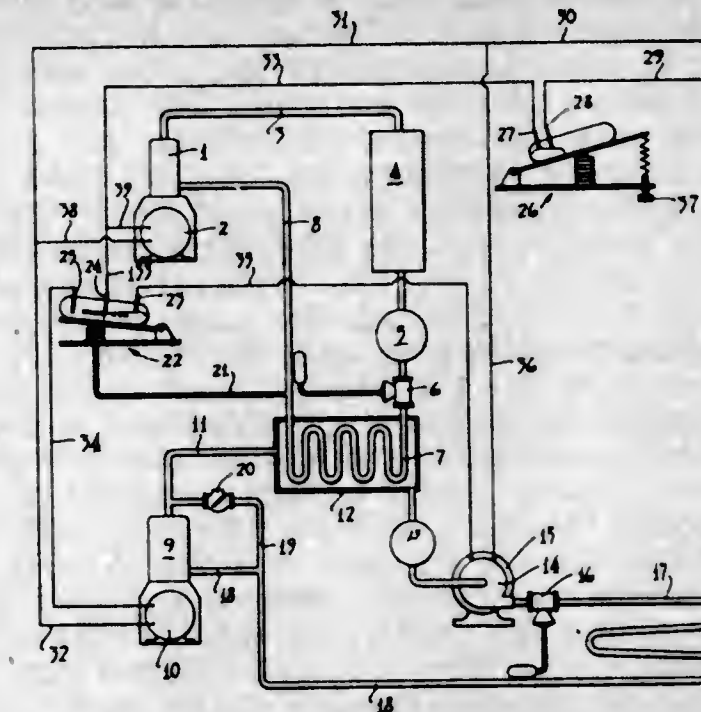
2,434,221

CONTROL MEANS FOR PLURAL STAGE REFRIGERATING SYSTEMS

Alvin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 2, 1943, Serial No. 493,180
16 Claims. (Cl. 62-4)

1. In a plural compressor refrigeration system having a condenser and an evaporator wherein the discharge of one compressor enters the condenser and the inlet of another compressor is supplied gaseous refrigerant from the evaporator, control means having means responsive to cool-

ing demand for governing the operation of the one compressor, and means responsive to the

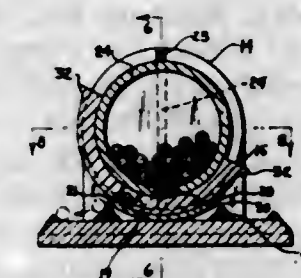


operation of the one compressor for governing the operation of said other compressor.

2,434,222

CIGARETTE RECEPTACLE AND DISPENSER

Benjamin Olivier, New York, N. Y.
Application June 5, 1946, Serial No. 674,461
3 Claims. (Cl. 312-83)



3. A dispensing device comprising a base having end walls mounted thereon, a cylinder disposed horizontally between the end walls and provided with a wall having a longitudinal delivery opening on its lowermost side, a semi-cylindrical dispenser mounted to oscillate under and against said cylinder to close said opening and provided with an opening midway of its sides to receive an article from the opening of the cylinder, said dispenser being provided with stops disposed on opposite sides of the cylinder, a cradle member on which the dispenser may be manually oscillated having a width considerably less than that of the dispenser, and stops located on the base outwardly of the cradle member, whereby the dispenser may be oscillated and delivery may be made on either of the opposite sides of the cylinder.

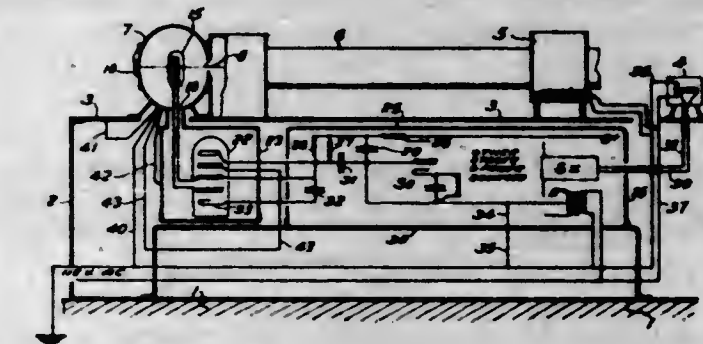
2,434,223

HIGH GAIN AMPLIFIER

Robert Hiram Park, Millington, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 15, 1944, Serial No. 526,565
4 Claims. (Cl. 179-171)

1. In combination a high gain, multi-stage vacuum tube amplifier, converting means feeding said amplifier for translating variations in radiant energy into variations in electrical current, a metal supporting frame for said amplifier and said converting means, a metal shell containing said converting means electrically connected to said frame, a first stage vacuum tube for said amplifier having the control grid thereof directly connected to the otherwise ungrounded output

of said converting means, a metallic shield surrounding said first stage vacuum tube, said shield and the cathode of said first stage vacuum tube being fully insulated from the remaining metal parts of the apparatus and from each other, and

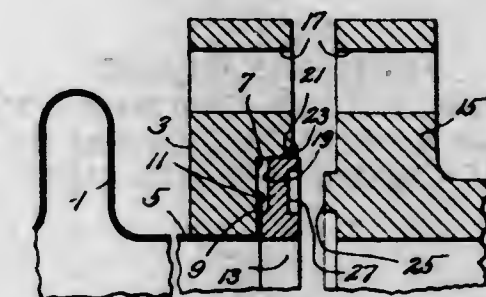


separate conductors electrically connecting said first stage tube shield and cathode to a common point, said metal shell being also directly connected to said common point, and said point being independently and directly connected to ground.

2,434,224

EXPANSION JOINT

Lawrence C. Paul, Newton, Mass., assignor to Badger Fire Extinguisher Company, Somerville, Mass., a corporation of Massachusetts
Application June 10, 1944, Serial No. 539,639
18 Claims. (Cl. 285-90)

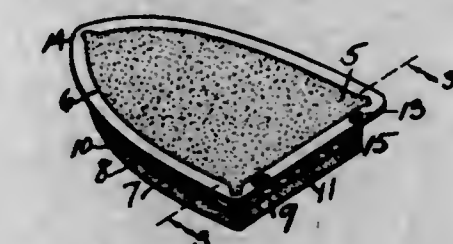


1. An expansion joint having in combination a bolting flange for attachment to a companion flange, a flexible corrugated sleeve, and a ring rabbeted into the bolting flange beyond the end of the sleeve and clamping an outturned end of the sleeve between itself and the latter flange, the ring being engaged by and receiving pressure from the companion flange within the width of such outturned end.

2,434,225

COVER FOR FLATIRON STANDS

Ethel M. Prior, West Hartford, Conn.
Application August 18, 1944, Serial No. 550,009
1 Claim. (Cl. 248-117.3)



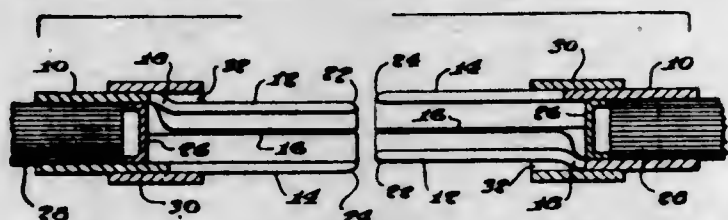
A flatiron stand comprising a top composed of a semi-rigid sheet of asbestos material, a bottom of a flexible textile material having a surrounding upwardly projecting marginal portion, a binding of loosely woven asbestos material stitched to said portion along the edge thereof to provide a heat resisting and insulating portion between the said top and bottom, and a metallic border surrounding the said top and securing the said binding thereto.

2,434,226

ELECTRICAL CONNECTOR

Charles H. Reynolds, Malden, Mass., assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass., a corporation of Massachusetts

Application November 9, 1943, Serial No. 509,549
6 Claims. (Cl. 287-76)



1. A universal connector comprising a tubular body portion provided with a pair of opposed contact fingers semicircular in cross section formed integrally therewith, one of said fingers being formed as a continuation of one half of said body portion, the opposite finger being shaped to have its outside radius substantially equal to the inside radius of said one finger whereby to permit sliding engagement with corresponding fingers of a second and identical connector, said body portion being provided with means secured thereto and projecting above and for a distance not exceeding one-half the length of the aforesaid opposite finger for engaging and exerting inward pressure on the end portion of the first finger of an identical connector.

2,434,227

STRAND GUIDE

Standish S. Rowe, Cambridge, Mass.
Application April 13, 1945, Serial No. 588,168
15 Claims. (Cl. 242-157)

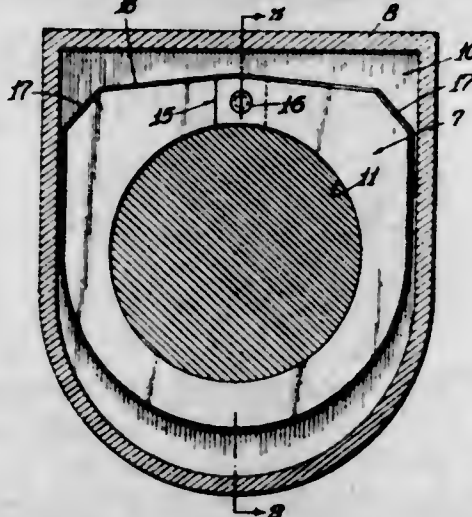


3. A strand guide having a helical eye portion the strand-engaging part of which consists of a facing of carbide material separate from the remainder of the eye portion but mounted thereon.

2,434,228

JOURNAL BOX AND DUST GUARD

William H. Sale, Richmond, Va.
Application August 26, 1944, Serial No. 551,392
3 Claims. (Cl. 286-6)



1. A unitary car axle journal box consisting of a substantially single integral structure having a rear axle receiving opening and provided with a dust guard chamber in the form of a continuous recess extending entirely around the interior

of the journal box at the rear opening thereof and completely closed at the top, bottom and sides by continuous unbroken walls, and a one-piece dust guard of stiff flexible resilient material having the characteristics of stiff fiber and provided with an opening to receive the journal of a car axle and cut across the center line at the top at an angle forming a lap joint with the ends tapering in thickness, said dust guard having straight parallel vertical side edges arranged in close proximity to the side walls of the journal box, the upper edges of the dust guard being substantially horizontal and the corners of the dust guard at the top being cut off to facilitate rotation thereof within the journal box, said dust guard being introduced into the journal box at the rear opening thereof by first compressing and contracting the dust guard diametrically and then introducing one of its ends into the journal box through the rear opening thereof and then partially rotating the dust guard until its other end is in position to snap into the journal box, the releasing of the compressive force on the dust guard causing the ends thereof to spring back automatically through their resiliency within the journal box into their relative initial positions, and means for connecting the cut portions of the dust guard for securing the same in tight abutment.

2,434,229

PRODUCTION OF ALPHA-HALOACRYLIC COMPOUNDS

David R. Saunders, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 26, 1945,
Serial No. 607,259
10 Claims. (Cl. 260-486)

1. A method of preparing cyclohexyl α -chloroacrylate which comprises dehydrochlorinating the corresponding ester of α,β -dichloropropionic acid in a concentrated mixture of an aqueous solution of sodium acetate containing at least 20% of ethylene glycol monomethyl ether based on the total weight of water and ethylene glycol monomethyl ether, and when the reaction is substantially complete diluting the reaction mixture with water to separate the cyclohexyl α -chloroacrylate formed.

2,434,230

METHOD OF PREPARING 1,3,5-TRINITRO HEXAHYDRO S-TRIAZINE

Robert Walter Schiessler, State College, Pa., and James Hamilton Ross, Montreal, Quebec, Canada
No Drawing. Application May 23, 1942, Serial No. 444,254. In Canada May 19, 1942
9 Claims. (Cl. 260-248)

1. In the production of the explosive cyclonite, the method which comprises reacting ammonium nitrate and paraformaldehyde in the presence of acetic anhydride.

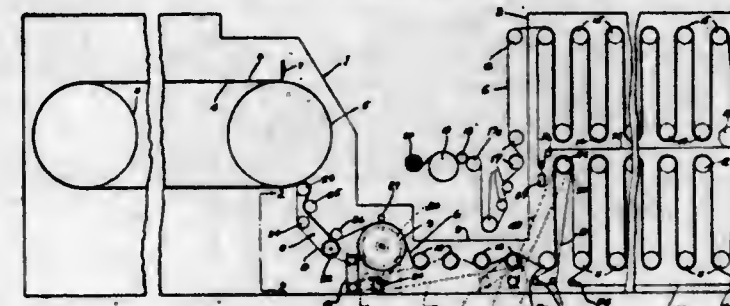
2,434,231

METHOD OF MANUFACTURING CAST VINYL RESIN FILM, SHEETING, AND THE LIKE

Andy J. Seitz, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application December 26, 1944, Serial No. 569,821
2 Claims. (Cl. 18-57)

1. The method of manufacturing cast film, sheeting and the like of vinyl-type resins according to a continuous process comprising the steps of depositing a vinyl resin solution in the form

of a film on a moving film-forming surface; at least partially drying the solution to solidify the film; frictionally engaging the film and subjecting it temporarily to a longitudinal tension sufficient to overcome its tendency to adhere to the film-forming surface; continuously supporting the film following its removal from the film-form-

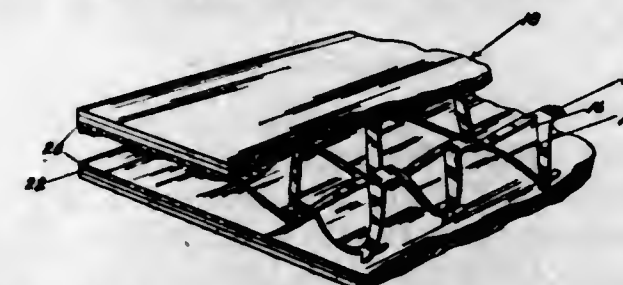


ing surface while the tension is temporarily maintained in said film; smoothing the film by the application of pressure thereto; releasing the tension on the film immediately before it is subjected to the smoothing step to restore it substantially completely to its original cast dimensions; and completing the drying of the film.

2,434,232

GRILLE

William W. Singleton, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application June 29, 1945, Serial No. 602,389
1 Claim. (Cl. 154-129)

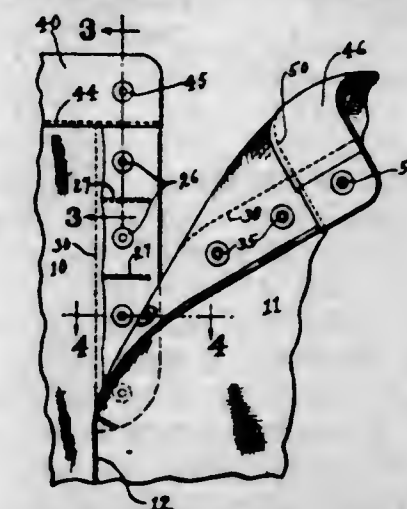


A method of manufacturing a composite panel comprising providing an expanded metal grille of substantial depth, bonding fabric to both faces of the grille with suitable adhesive under the influence of heat and bonding sheet paper to the fabric with a suitable adhesive under the influence of heat and pressure.

2,434,233

FLY CLOSURE

William R. Spearrin, Naugatuck, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 19, 1946, Serial No. 710,932
10 Claims. (Cl. 2-234)



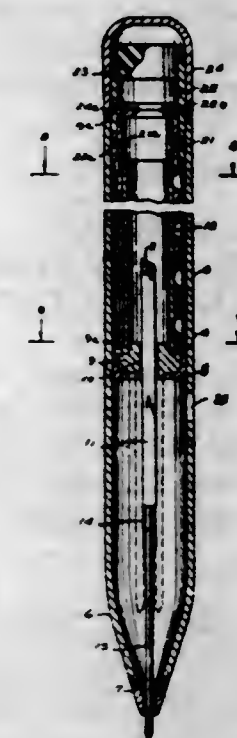
1. In a fly construction for a garment comprising right and left garment portions stitched together at an infolded seam below the fly construction, the right garment portion at its fly edge being extended to provide for a triple fold of material, one fold portion providing a two ply

thickness for the second fly strip, a series of spaced fastener elements attached to said second fly strip, the latter being folded back upon the front portion of the garment or fly strip proper and bar tacked thereto at equally spaced positions between said elements to provide for a series of pockets within which the wearer can insert his thumb and support the underside of the element, an underlying fly strip stitched to the underside of the left garment portion, and elements complementary to the first named elements attached to said underlying fly strip and being concealed from the front of said garment.

2,434,234

THREE-COLOR MECHANICAL PENCIL

Russell N. Thatcher, New York, N. Y.
Application February 27, 1946, Serial No. 650,403
5 Claims. (Cl. 120-14)



1. A pencil having a barrel provided with a pencil guide on its forward end, a bearing in the barrel, a plurality of pencil lead holding shanks each being rectangular in cross section, a plug mounted to turn in the bearing and formed with a slot for the sliding movement of each of said shanks, a lead holding socket on the forward end of each shank, a tubular guide disposed on the bearing and interlocked to the barrel against relative rotative movement, said guide having a longitudinal slot widened at the upper end thereof, a hollow screw enclosing the tubular guide and provided with a selector notch formed in the screw thread thereof, and a tube having a friction fit in the barrel and coupled to the screw.

2,434,235

PRODUCTION OF LAEVULOSE FROM VEGETABLE MATERIALS

Paul Vergnaud and Jean Pigeot, Melle, France, assignors to Les Usines De Melle (Societe Anonyme) Saint-Leger-les-Melle, France, a company of France

No Drawing. Application May 1, 1945, Serial No. 591,426. In France April 19, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 19, 1964
9 Claims. (Cl. 127-39)

1. In the manufacture of laevulose from a liquor containing complex glucids of the inuline type, the method which comprises in combination the separately performed steps of heating said liquor at a pH-value above 4 to a temperature of about 80 to 120° C., and adding to said liquor at a temperature below 50° C. such an amount of acid as

to build up a pH-value of 1 to 3, thereby producing flocculates in each step, then the steps of removing said flocculates from the liquor and hydrolysing said liquor.

2,434,236

CERAMIC INSULATOR

Evert Johannes Willem Verwey and Marinus Gerard van Bruggen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application January 18, 1943, Serial No. 472,782. In the Netherlands November 25, 1940

Section 1, Public Law 690, August 8, 1946

Patent expires November 25, 1960

6 Claims. (Cl. 106—39)

1. An electrical insulator particularly suitable as a condenser dielectric consisting of a mass of at least about 90% by weight of ceric oxide and the remainder consisting of a low-loss dielectric material, said mass being sintered to compactness.

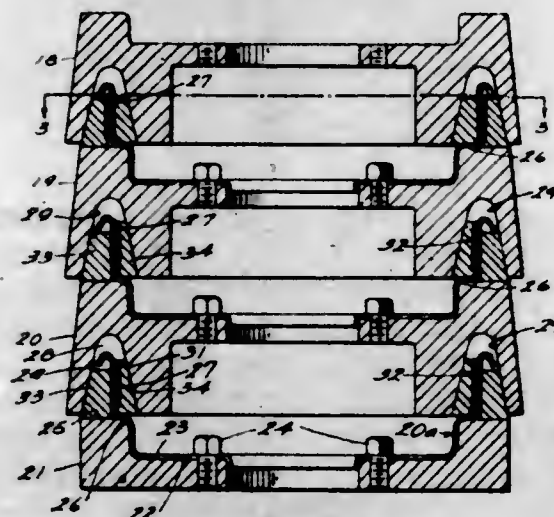
2,434,237

APPARATUS FOR APPLYING POWDERED METAL BRIQUETS TO CURVED METALLIC SURFACES

Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio

Application September 13, 1943, Serial No. 502,226

5 Claims. (Cl. 266—1)



1. In a pressure brazing apparatus, a base section, a plurality of removable sections superposed on the base section forming a stack, each of said sections being circular in cross-section and having its upper portion stepped, means for detachably connecting a brake drum to each stepped portion except the topmost one with the brake drum flange extending upwardly above its respective section, each removable section having an upwardly extending V-shape groove in its lower edge extending downward over the adjacent flange, and inner and outer sectional wedge members on opposite sides of each flange for engaging the side faces of said groove for clamping, pressing and bonding a plurality of powdered metal briquets against one side of each flange when heat and pressure is applied to said stack.

2,434,238

COMBINED CONTAINER AND DISPENSER

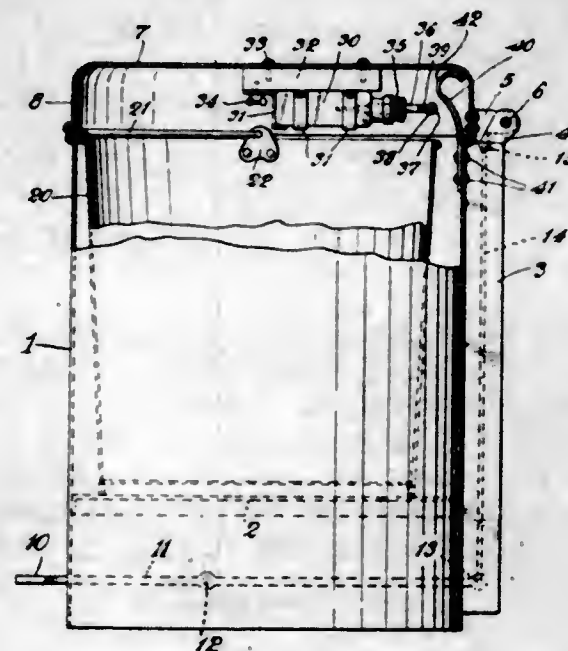
Sam Wolfson, Chicago, Ill.

Application November 10, 1945, Serial No. 627,843

2 Claims. (Cl. 220—87)

1. A container including a body and a lid hinged on said body for rotation about a gener-

ally horizontal axis generally adjacent the top of the container body, a liquid container mounted on the lid for movement therewith, a movable ejector member for said liquid container, and means for moving said ejector member to liquid ejecting position in response to the movement of said lid, including a camming contact member



mounted on the container body and located adjacent the top of said body, and in the path of movement of the ejector member as said ejector member moves in the course of the normal raising or lowering of the lid to or from closed position, said camming member having a two-way cam surface.

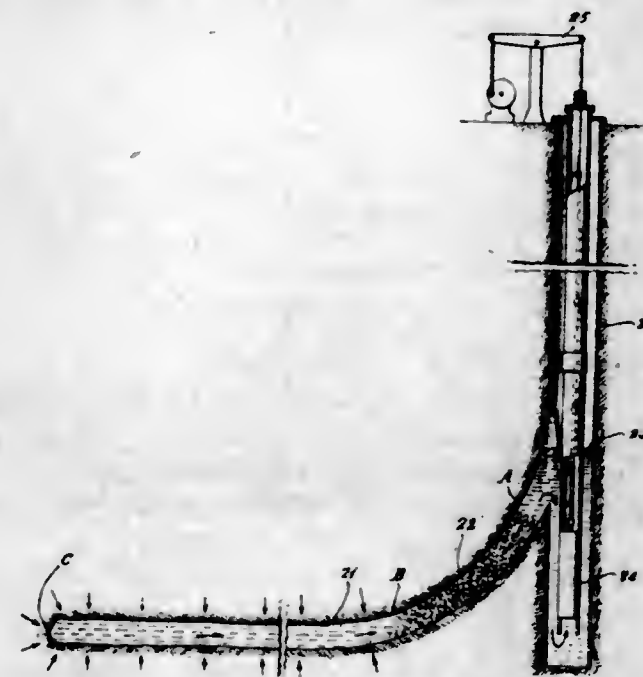
2,434,239

METHOD OF PRODUCING OIL

John A. Zublin, Los Angeles, Calif.

Application June 15, 1944, Serial No. 540,499

1 Claim. (Cl. 166—26)



A method for separating oil from sand, colloidal matter, and the like while the oil is being produced from a vertical well, comprising drilling a downwardly and sidewardly deviating drain hole from a vertical well, filling at least the downwardly curved section of said drain hole with a gravel-like filter medium, flowing the oil through said laterally deviating drain hole and upwardly through the filter medium in the downwardly curved portion thereof to the mouth of said deviating drain hole and thence into the vertical well at a point above the bottom thereof, and separating by gravity and collecting at the bottom of the vertical well additional entrained materials before the oil is delivered to the surface at the top of the well.

DESIGNS

JANUARY 6, 1948

148,267

DESIGN FOR A PICTURE FRAME BORDER MAT OR SIMILAR ARTICLE

Joseph Amaru, Somerville, Mass.

Application August 14, 1947, Serial No. 140,861

Term of patent 14 years

(Cl. D29—20)



The ornamental design for a picture frame border mat or similar article, substantially as shown.

148,268

DESIGN FOR A BORDER MAT FOR A PICTURE FRAME OR SIMILAR ARTICLE

Joseph Amaru, Somerville, Mass.

Application August 20, 1947, Serial No. 140,956

Term of patent 14 years

(Cl. D29—20)



The ornamental design for a border mat for a picture frame or similar article, substantially as shown.

148,269

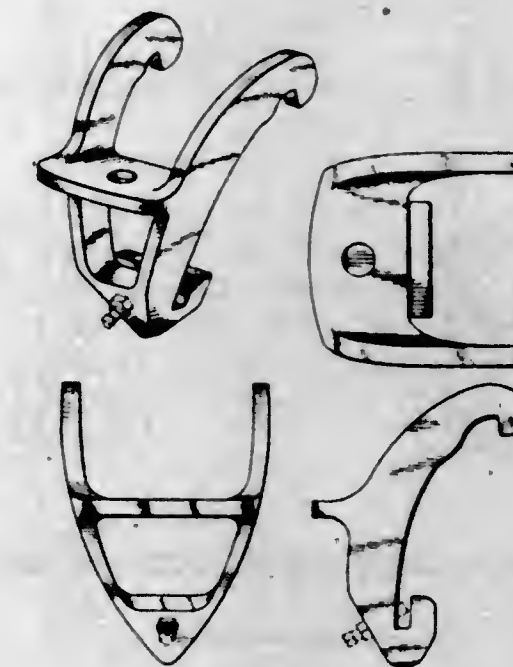
DESIGN FOR A TRAILER HITCH

Ralph W. Askins, Toledo, Ohio

Application July 19, 1946, Serial No. 131,704

Term of patent 7 years

(Cl. D14—6)



The ornamental design for a trailer hitch, as shown.

148,270

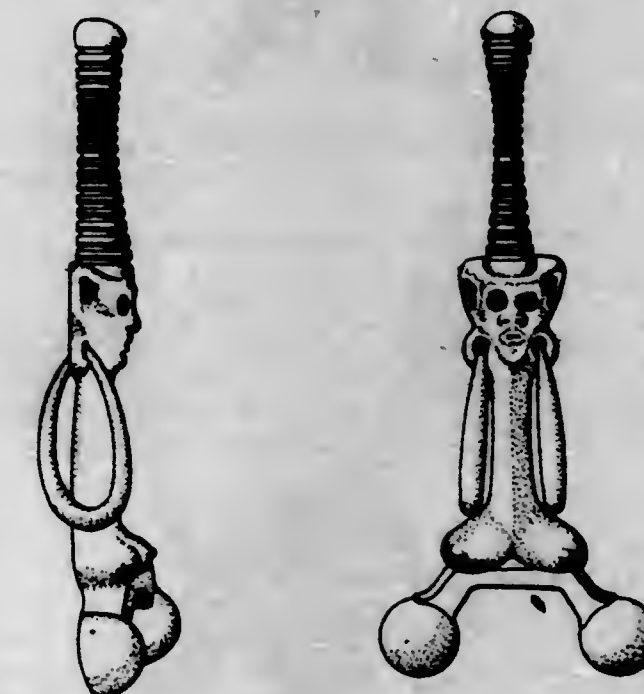
DESIGN FOR AN ANDIRON

William E. Atkinson, Montague, Mich., assignor to Valley Research Corporation, Montague, Mich., a corporation of Michigan

Application November 1, 1946, Serial No. 134,449

Term of patent 14 years

(Cl. D81—6)

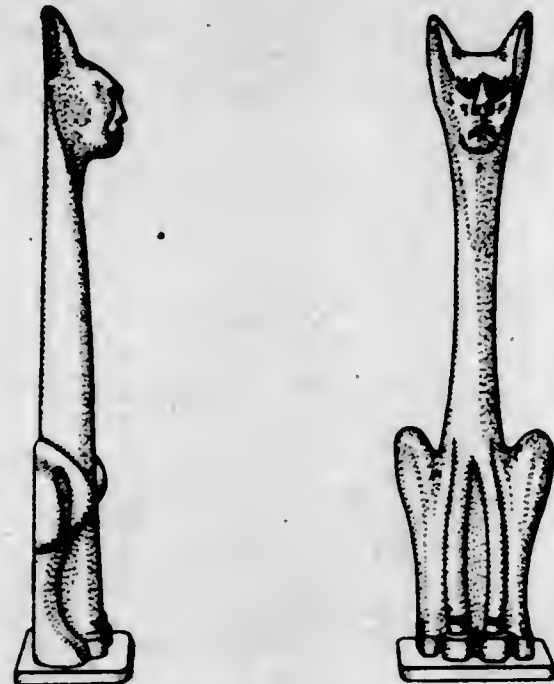


The ornamental design for an andiron, as shown.

148,271

DESIGN FOR AN ANDIRON

William E. Atkinson, Montague, Mich., assignor to Valley Research Corporation, Montague, Mich., a corporation of Michigan
Application November 1, 1946, Serial No. 134,450
Term of patent 14 years
(Cl. D81-6)



The ornamental design for an andiron, as shown.

148,272

DESIGN FOR A PUPPET

Bill Baird, New York, N. Y.
Application March 6, 1947, Serial No. 137,400
Term of patent 14 years
(Cl. D34-2)

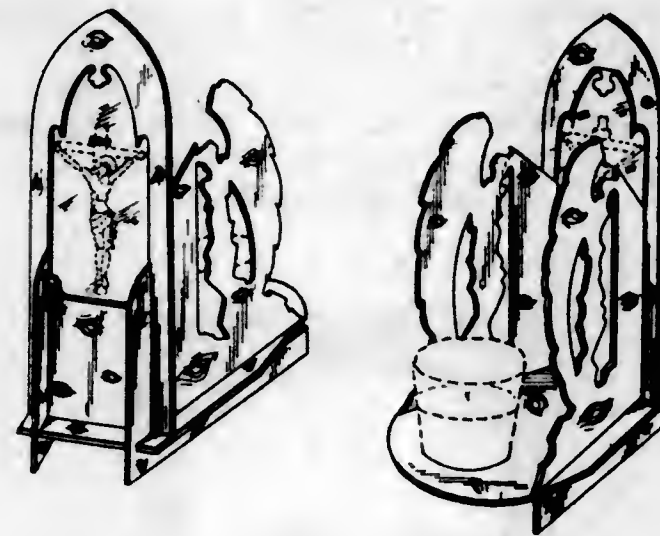


The ornamental design for a puppet, as shown.

148,273

DESIGN FOR A SHRINE OR SIMILAR ARTICLE

Walter Barbanell, New York, N. Y.
Application November 26, 1946, Serial No. 135,079
Term of patent 14 years
(Cl. D29-23)

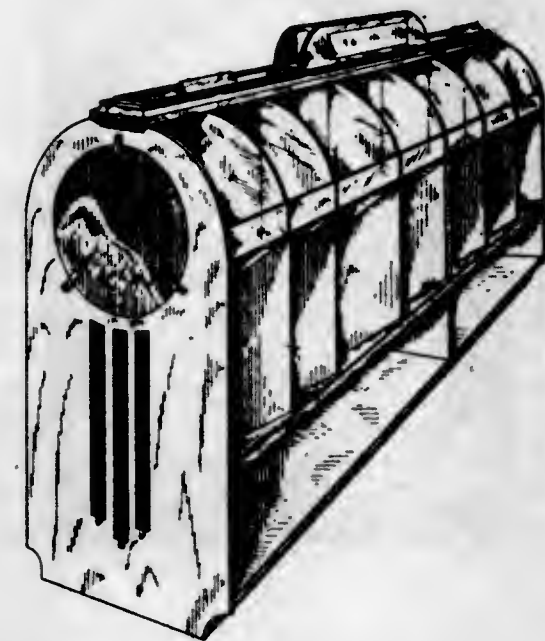
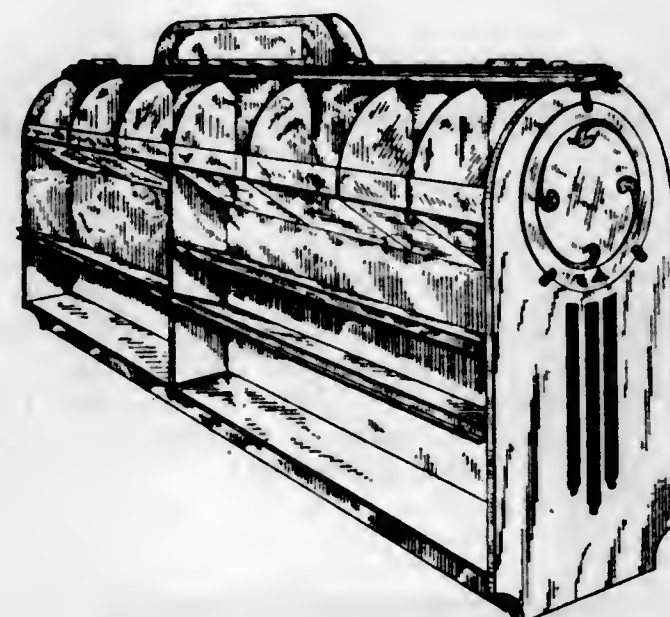


The ornamental design for a shrine or similar article, substantially as shown and described.

148,274

DESIGN FOR A DISPLAY CASE

Morton Beck, Denver, Colo.
Application June 18, 1946, Serial No. 130,826
Term of patent 3½ years
(Cl. D80-11)

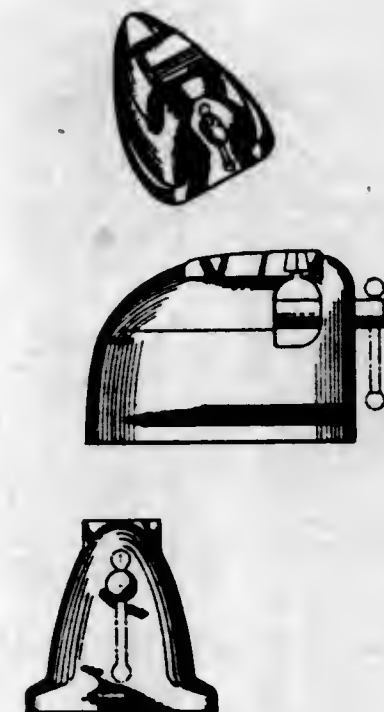


The ornamental design for a display case, as shown.

148,275

DESIGN FOR A MINIATURE VISE

Walter G. Bihler, Detroit, Mich., assignor to Special Machine & Engineering Co., Hazel Park, Mich., a corporation of Michigan
Application January 26, 1946, Serial No. 125,996
Term of patent 14 years
(Cl. D54-14)

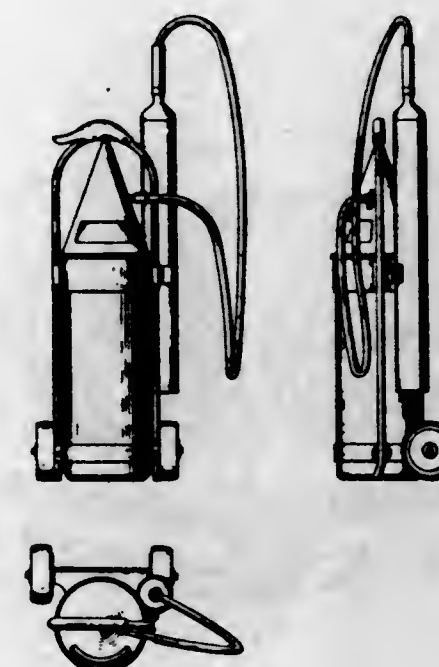


The ornamental design for a miniature vise, substantially as shown.

148,276

DESIGN FOR A FIRE EXTINGUISHER OR SIMILAR ARTICLE

Stewart Boal, Winnetka, Ill., assignor to Randolph Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application September 13, 1946, Serial No. 133,280
Term of patent 14 years
(Cl. D16-2)



The ornamental design for a fire extinguisher or similar article, substantially as shown.

148,277

DESIGN FOR A PIN

Herman Bogoff, Chicago, Ill.
Application October 14, 1946, Serial No. 133,928
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a pin, substantially as shown.

148,278

DESIGN FOR AN EARRING

Herman Bogoff, Chicago, Ill.
Application December 16, 1946, Serial No. 135,530
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring, substantially as shown.

148,279

DESIGN FOR AN EARRING

Herman Bogoff, Chicago, Ill.
Application December 16, 1946, Serial No. 135,531
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring, substantially as shown.

148,280

DESIGN FOR AN EARRING

Herman Bogoff, Chicago, Ill.
Application December 30, 1946, Serial No. 135,838
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring, substantially as shown.

148,281

DESIGN FOR A LADY'S SANDAL

Arthur Capozzi, Bridgeport, Conn.
Application September 27, 1947, Serial No. 141,602
Term of patent 14 years
(Cl. D7—7)

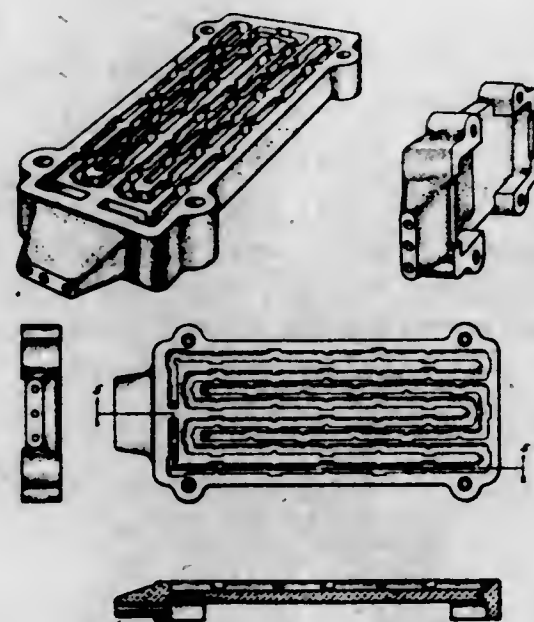


The ornamental design for a lady's sandal, as shown.

148,282

DESIGN FOR AN INSULATING SUPPORT FOR AN ELECTRICAL HEATING ELEMENT

Ralph Carifi, Newark, N. J.
Application December 8, 1945, Serial No. 124,521
Term of patent 3½ years
(Cl. D26—10)

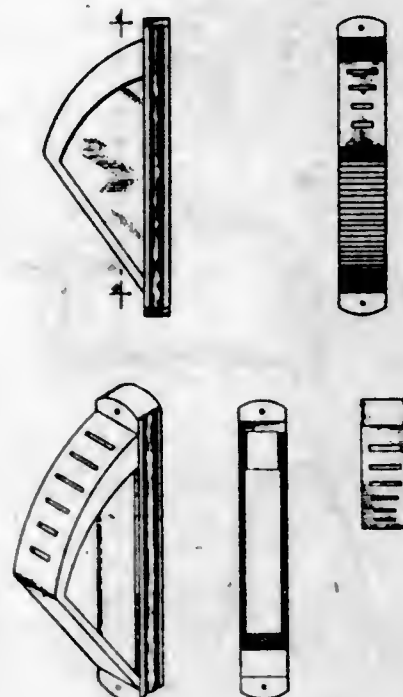


The ornamental design for an insulating support for an electrical heating element, as shown.

148,283

DESIGN FOR A KNIFE RACK

Emerson E. Case, Perry, N. Y., assignor to Roberson Cutlery Company, Inc., Perry, N. Y., a corporation of New York
Application March 11, 1946, Serial No. 127,329
Term of patent 14 years
(Cl. D44—29)

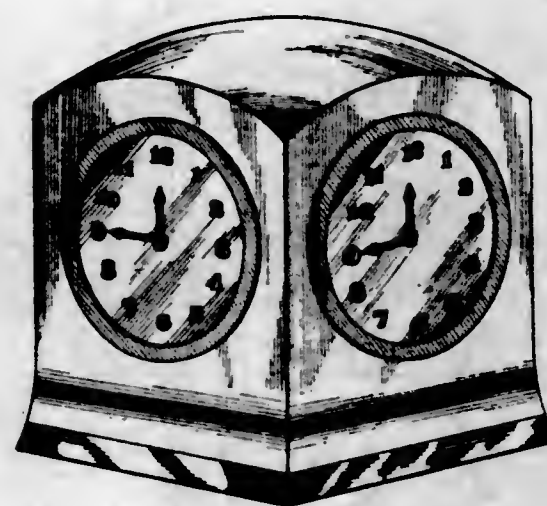


The ornamental design for a knife rack, substantially as shown.

148,284

DESIGN FOR A CLOCK

William A. Clarke, Jr., New Lexington, Ohio
Application June 26, 1947, Serial No. 139,928
Term of patent 14 years
(Cl. D42—7)

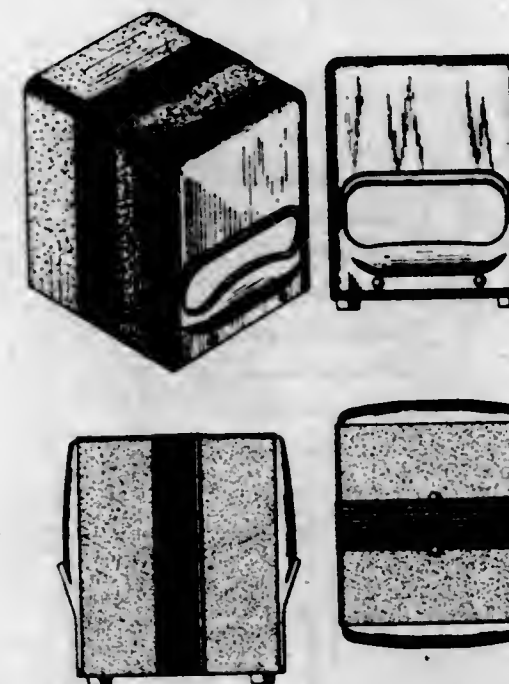


The ornamental design for a clock, as shown and described.

148,285

DESIGN FOR A NAPKIN DISPENSER

Austin E. Cofrin, Green Bay, and Samuel N. Hope, Wauwatosa, Wis., assignors to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application June 28, 1946, Serial No. 131,144
Term of patent 7 years
(Cl. D44—24)

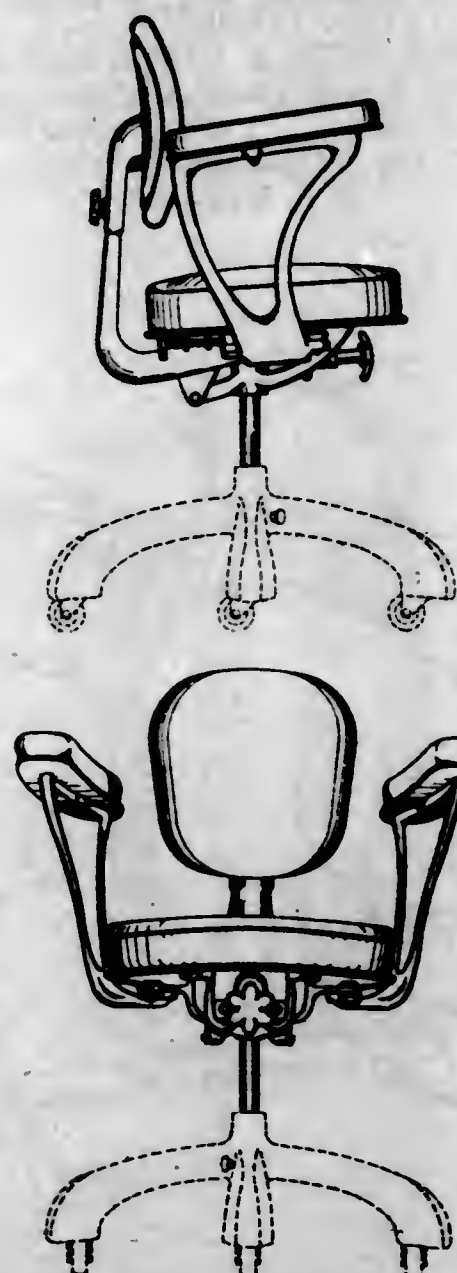


The ornamental design for a napkin dispenser, substantially as shown.

148,286

DESIGN FOR A CHAIR

Roy A. Cramer, Kansas City, Mo.
Application September 27, 1946, Serial No. 133,607
Term of patent 14 years
(Cl. D15—1)

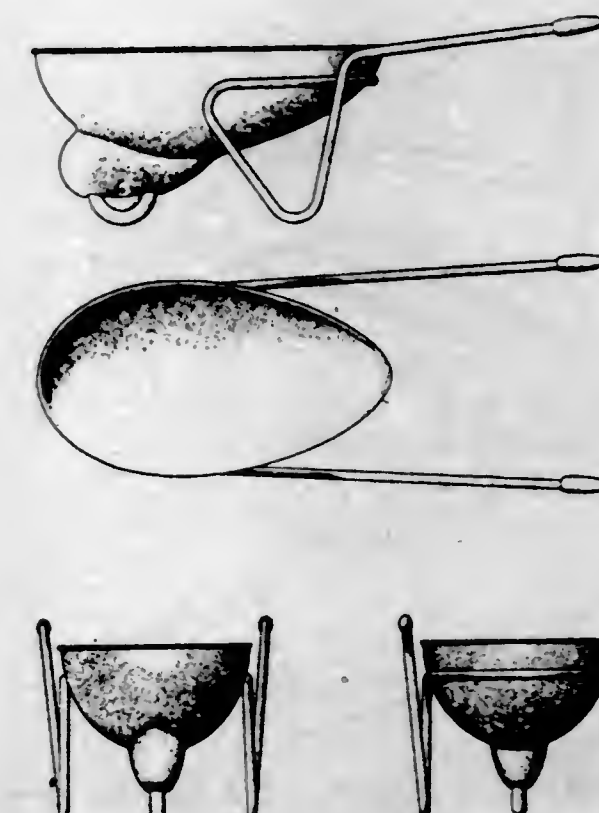


The ornamental design for a chair, substantially as shown and described.

148,287

DESIGN FOR A WHEELBARROW

Joseph A. Cravero, East Farmingdale, Long Island, and Addison S. Milligan, Farmingdale, N. Y., said Milligan assignor to said Cravero
Application November 25, 1946, Serial No. 135,074
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a wheelbarrow, substantially as shown.

148,288

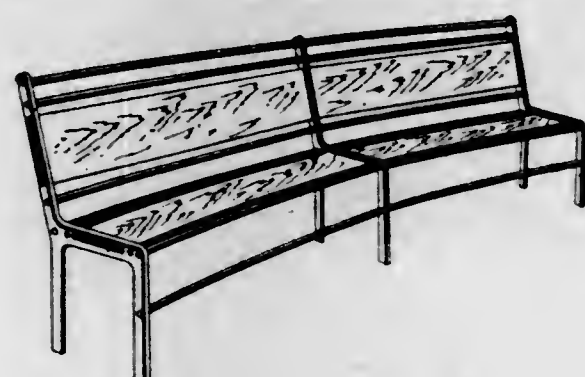
DESIGN FOR A RADIO RECEIVING SET

Francis A. Dawson, Kokomo, Ind., assignor to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana
Application February 1, 1946, Serial No. 126,143
Term of patent 7 years
(Cl. D56—4)



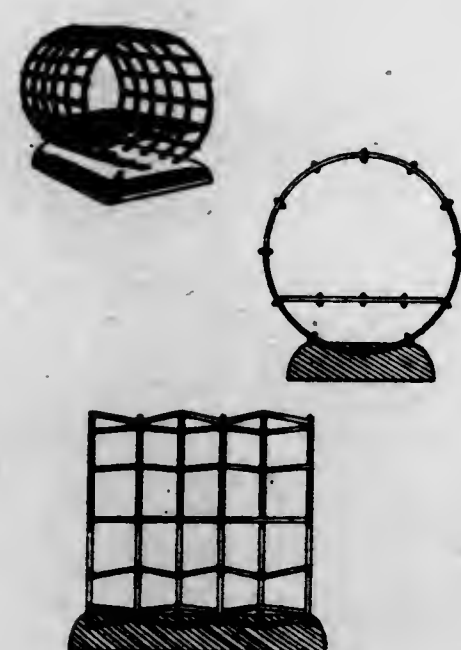
The ornamental design for a radio receiving set, as shown.

148,289
DESIGN FOR A BENCH
 Edward W. Discher, Milwaukee, Wis.
 Application September 3, 1946, Serial No. 133,037
 Term of patent 14 years
 (Cl. D15—11)



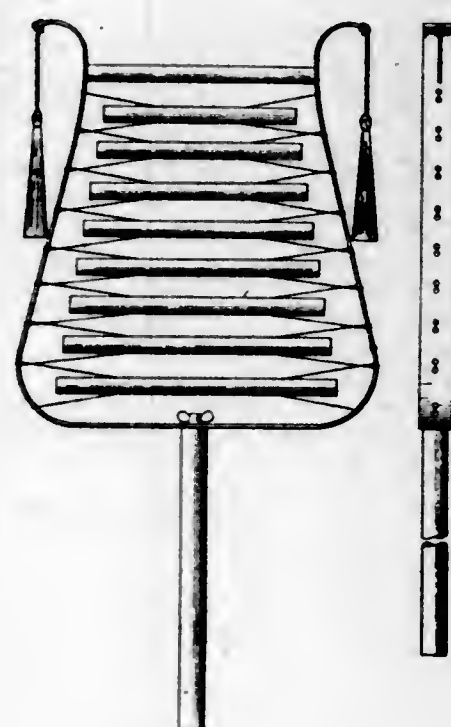
The ornamental design for a bench, as shown.

148,290
DESIGN FOR A FLOWER HOLDER
 Orien T. Dixon, Miami, Okla.
 Application January 28, 1946, Serial No. 126,040
 Term of patent 7 years
 (Cl. D35—3)



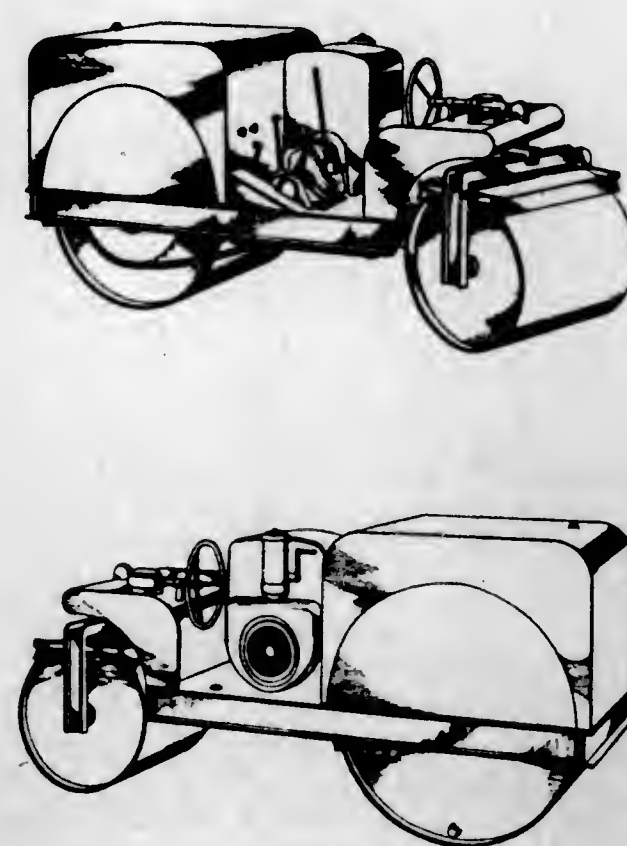
The ornamental design for a flower holder, as shown.

148,291
DESIGN FOR A GLOCKENSPIEL
 Robert Emanuel, Brooklyn, N. Y., assignor to
 William Jay Emanuel Co., New York, N. Y.,
 a partnership consisting of Benjamin F. Jay,
 Robert Emanuel, and William J. Emanuel
 Application July 27, 1946, Serial No. 132,025
 Term of patent 3½ years
 (Cl. D56—1)



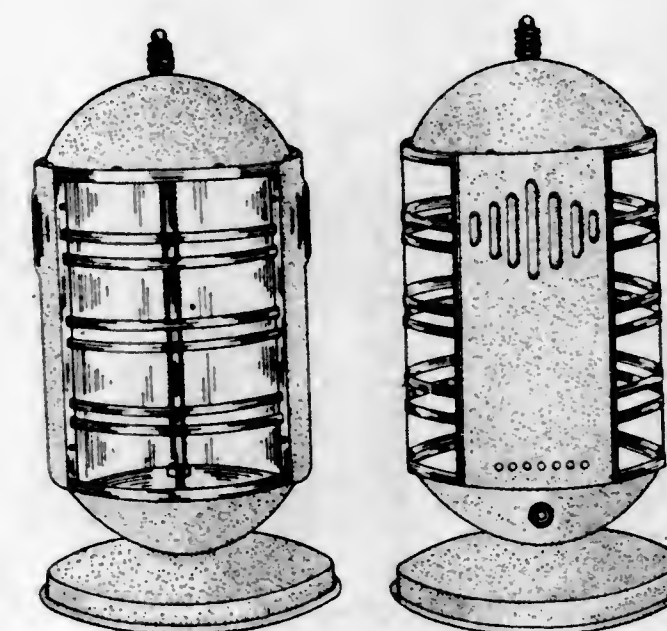
The ornamental design for a glockenspiel, as shown.

148,292
DESIGN FOR A ROAD ROLLER
 Bryant Essick, Los Angeles, Calif.
 Application October 10, 1945, Serial No. 122,708
 Term of patent 14 years
 (Cl. D14—3)



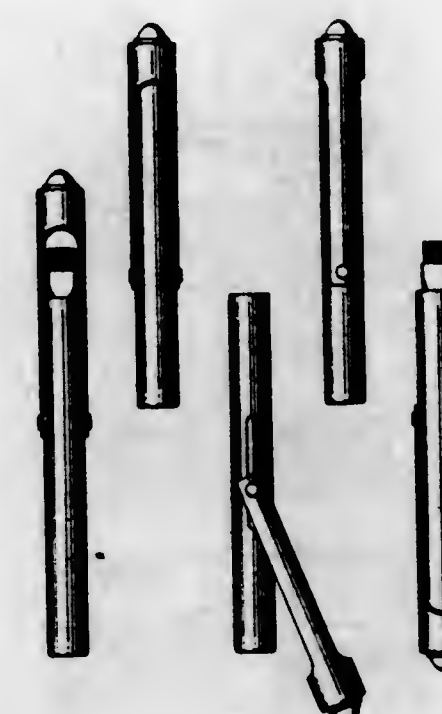
The ornamental design for a road roller, as shown.

148,293
DESIGN FOR AN ELECTRIC HEATER
 William Geller, New York, N. Y.
 Application September 17, 1946, Serial No. 133,372
 Term of patent 3½ years
 (Cl. D81—10)



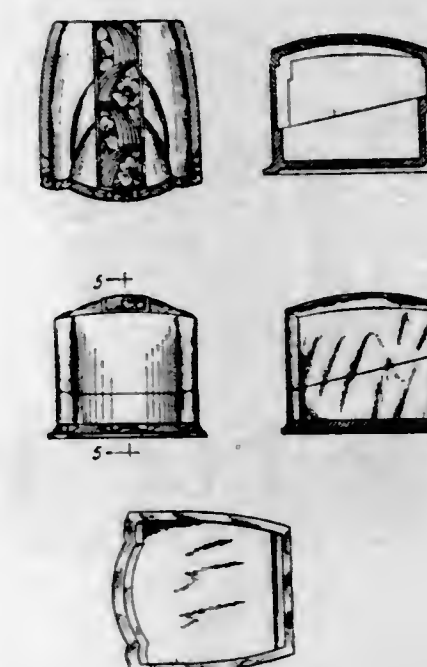
The ornamental design for an electric heater, substantially as shown and described.

148,294
DESIGN FOR A COMBINED ROUGE BRUSH AND CASING THEREFOR
 Irving Gold, New York, N. Y.
 Application December 19, 1946, Serial No. 135,604
 Term of patent 7 years
 (Cl. D86—10)



The ornamental design for a combined rouge brush and casing therefor, as shown.

148,295
DESIGN FOR A RING BOX OR SIMILAR ARTICLE
 Eleanor Groos, Mount Vernon, N. Y.
 Application April 5, 1947, Serial No. 138,171
 Term of patent 7 years
 (Cl. D80—5)



The ornamental design for a ring box or similar article, as shown.

148,296
DESIGN FOR A RING BOX OR SIMILAR ARTICLE
 Eleanor Groos, Mount Vernon, N. Y.
 Application April 5, 1947, Serial No. 138,172
 Term of patent 7 years
 (Cl. D80—5)

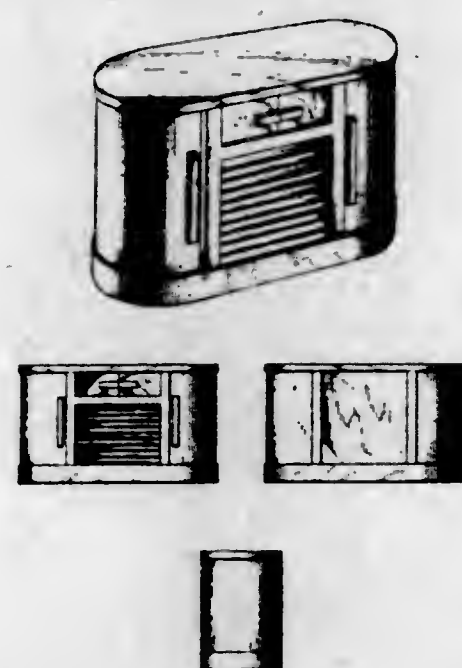


The ornamental design for a ring box or similar article, as shown.

148,297

DESIGN FOR A RADIO AND PHONOGRAPH CABINET

Le Roy W. Hardell, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 21, 1946, Serial No. 133,477
Term of patent 14 years
(Cl. D56-4)



The ornamental design for a radio and phonograph cabinet, substantially as shown and described.

148,298

DESIGN FOR A GAME IMPLEMENT

James W. Harvey, Lakeville, Conn.
Application October 4, 1945, Serial No. 122,534
Term of patent 14 years
(Cl. D34-5)

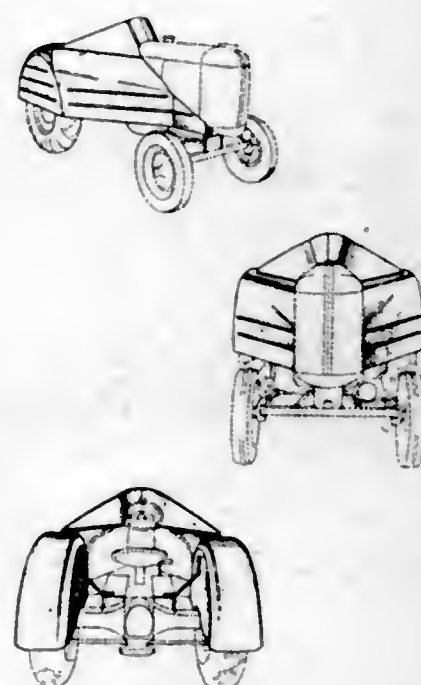


The ornamental design for a game implement, substantially as shown and described.

148,299

DESIGN FOR A TRACTOR

Milton T. Hedquist and James Haley, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application June 29, 1946, Serial No. 131,162
Term of patent 7 years
(Cl. D14-3)

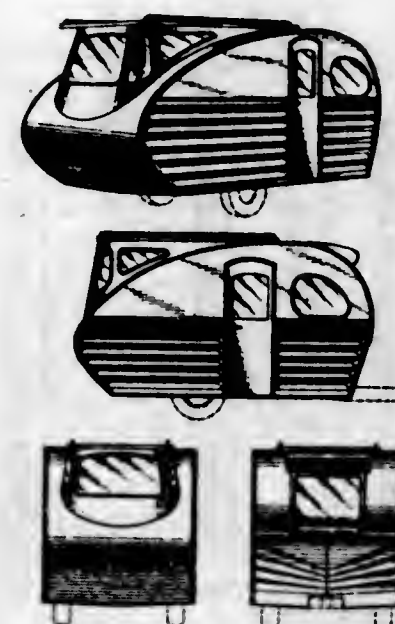


The ornamental design for a tractor, substantially as shown and described.

148,300

DESIGN FOR A TRAILER

Frederick C. Hoffman, Los Angeles, Calif.
Application August 14, 1946, Serial No. 132,522
Term of patent 7 years
(Cl. D14-3)



The ornamental design for a trailer, substantially as shown and described.

148,301

DESIGN FOR A BOTTLE

Clayton J. Howel, Chicago, Ill., assignor to Wonder Orange Company, Chicago, Ill., a corporation of Illinois
Application May 10, 1946, Serial No. 129,518
Term of patent 14 years
(Cl. D58-8)

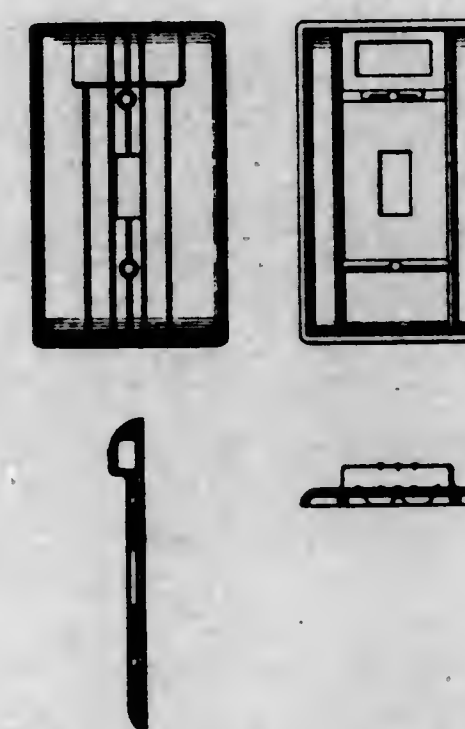


The ornamental design for a bottle, as shown and described.

148,302

DESIGN FOR AN ILLUMINABLE SWITCH PLATE

Andrew C. Karlstad, Sherman Oaks, Calif., assignor to James L. Fouch, Inglewood, Calif.
Application September 9, 1946, Serial No. 133,190
Term of patent 14 years
(Cl. D26-13)



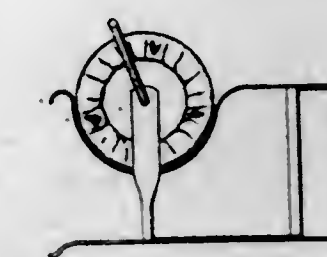
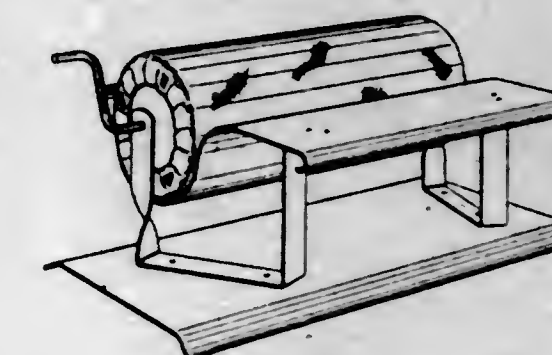
The ornamental design for an illuminable switch plate, as shown and described.

608 O. G.—12

148,303

DESIGN FOR A TOY MANGLE

Walter Kasten, Franklin, and Adam Edward Mason, Belleville, Mich.
Application February 9, 1946, Serial No. 126,413
Term of patent 7 years
(Cl. D34-15)



The ornamental design for a toy mangle substantially as shown.

148,304

DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 29, 1946, Serial No. 134,361
Term of patent 7 years
(Cl. D45-9)

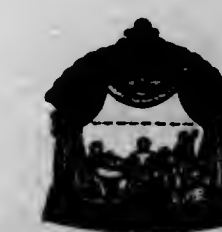


The ornamental design for an earring or similar article, substantially as shown.

148,305

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application November 22, 1946, Serial No. 135,004
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,306

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application February 18, 1947, Serial No. 136,986

Term of patent 7 years

(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,307

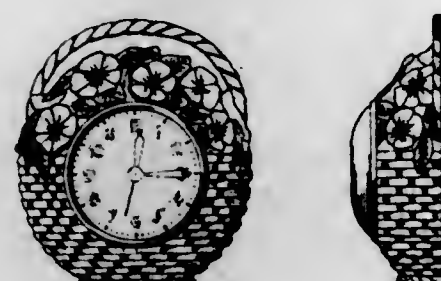
DESIGN FOR A CLOCK

John A. C. Keane, St. Albans, N. Y.

Application October 27, 1947, Serial No. 142,147

Term of patent 14 years

(Cl. D42-7)



The ornamental design for a clock, substantially as shown and described.

148,308

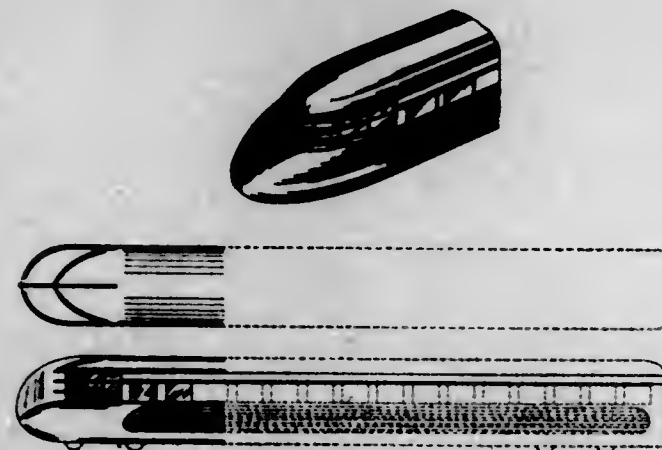
DESIGN FOR A RAILWAY CAR

Otto A. Kuhler, Blauvelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application March 9, 1946, Serial No. 127,318

Term of patent 14 years

(Cl. D66-1)



The ornamental design for a railway car, substantially as shown and described.

148,309

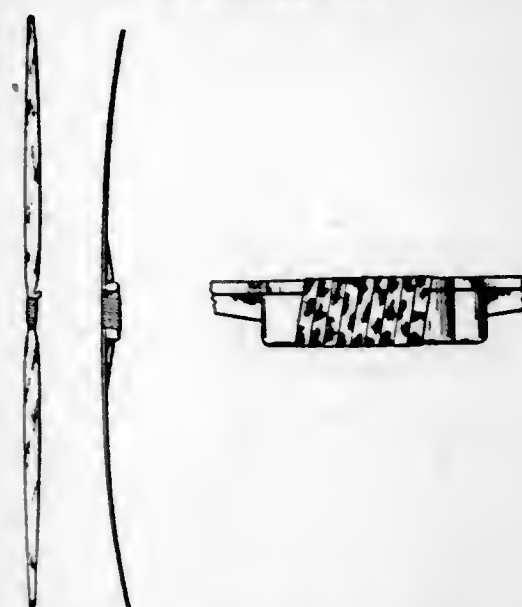
DESIGN FOR AN ARCHERY BOW

Philip V. Leivo and Albin J. Herek, Bay City, Mich., assignors, by mesne assignments, to Metal-Lite Products Co., Bay City, Mich.

Application July 31, 1946, Serial No. 132,119

Term of patent 14 years

(Cl. D34-15)



The ornamental design for an archery bow, as shown.

148,310

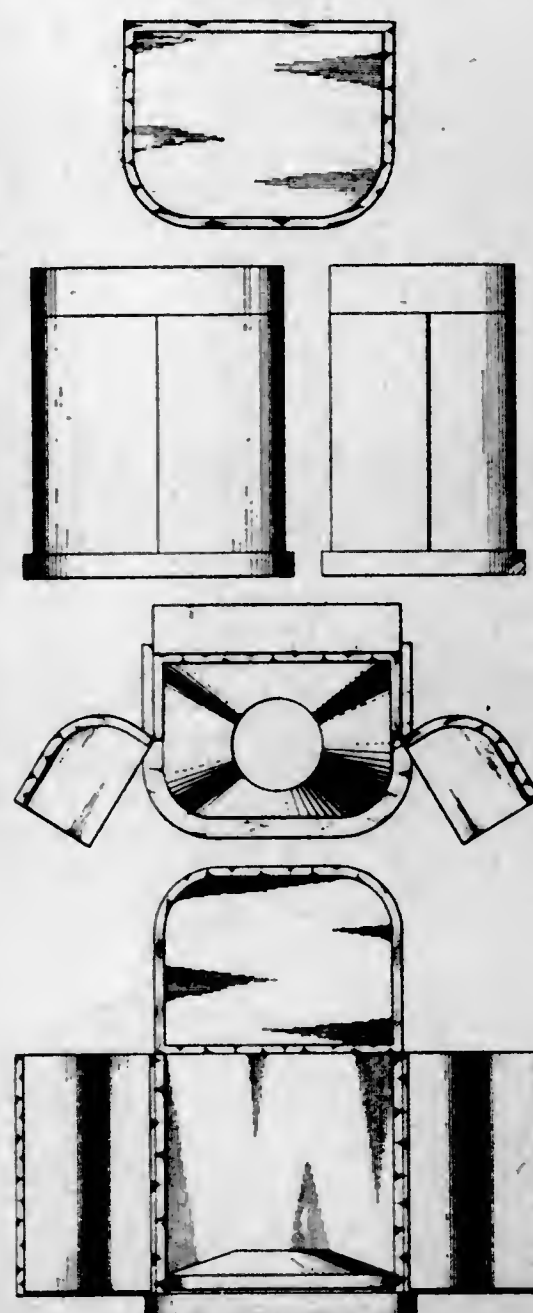
DESIGN FOR A CONTAINER FOR PERFUME BOTTLE OR SIMILAR ARTICLE

Lucien Lelong, Paris, France, assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois

Application May 13, 1946, Serial No. 129,669

Term of patent 14 years

(Cl. D58-12)



The ornamental design for a container for perfume bottle or similar article, as shown.

148,311

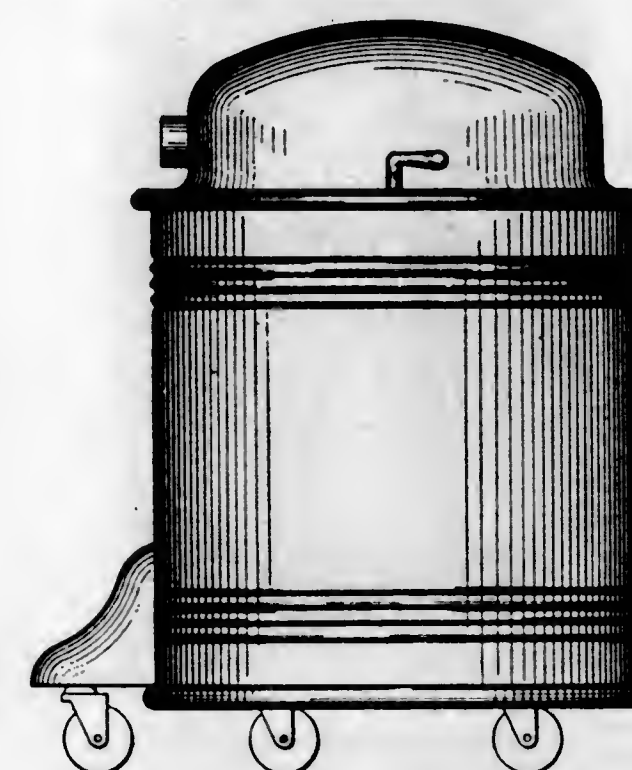
DESIGN FOR A VACUUM CLEANER

Howard C. Lilly, Sharon, Mass., assignor to Masury-Young Company, Charlestown, Mass., a corporation of Massachusetts

Application May 20, 1947, Serial No. 139,163

Term of patent 14 years

(Cl. D9-2)



The ornamental design for a vacuum cleaner, substantially as shown.

148,312

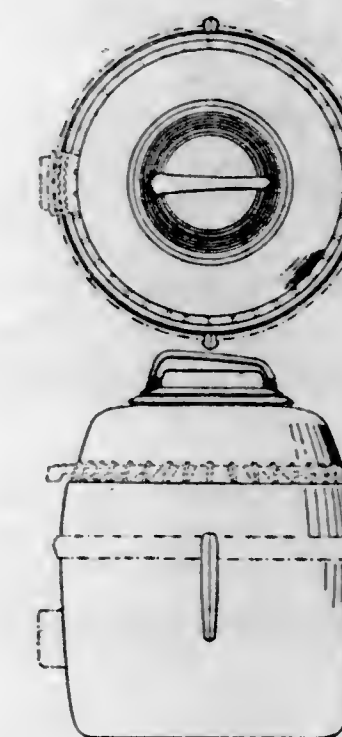
DESIGN FOR A VACUUM CLEANER CASING

Joshua G. Lippincott, Scarsdale, N. Y., assignor to Lewyt Corporation, Brooklyn, N. Y., a corporation of New York

Application December 28, 1946, Serial No. 135,815

Term of patent 14 years

(Cl. D9-2)



The ornamental design for a vacuum cleaner casing, as shown and described.

148,313

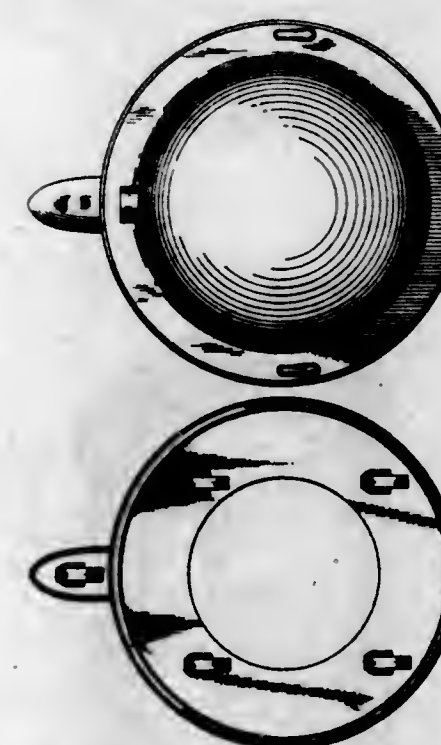
DESIGN FOR A VACUUM CLEANER NOZZLE

Joshua G. Lippincott, Scarsdale, N. Y., assignor to Lewyt Corporation, Brooklyn, N. Y., a corporation of New York

Application December 28, 1946, Serial No. 135,817

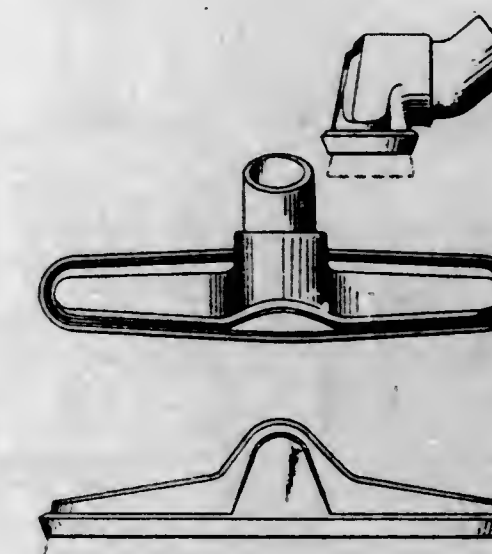
Term of patent 14 years

(Cl. D9-2)



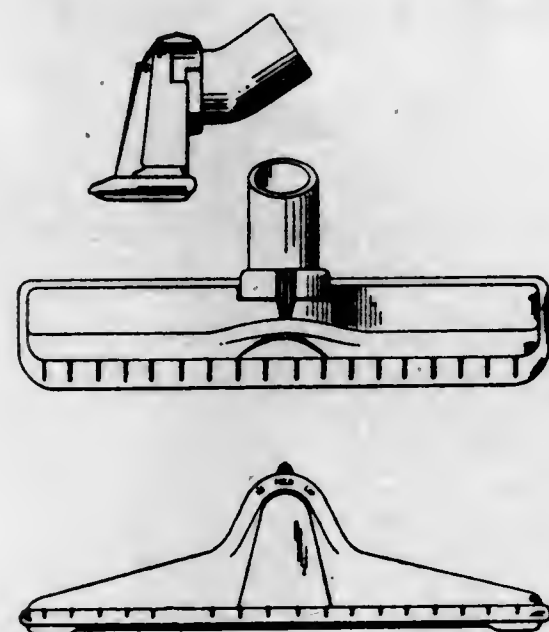
The ornamental design for a vacuum cleaner, substantially as shown.

The ornamental design for a vacuum cleaner nozzle, as shown and described.



148,314

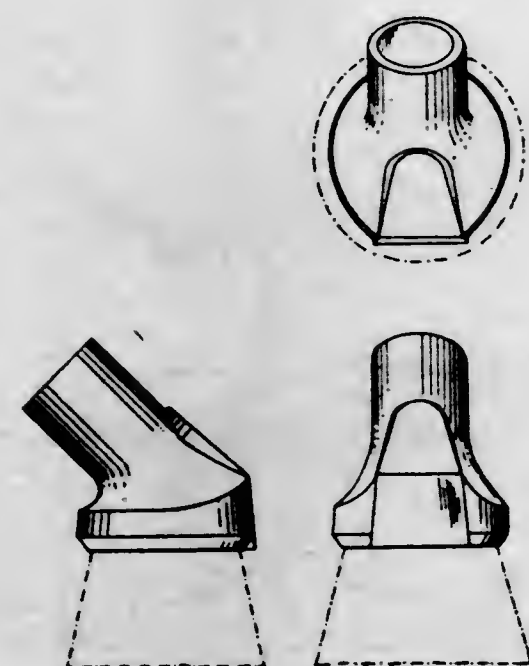
DESIGN FOR A VACUUM CLEANER NOZZLE
 Joshua G. Lippincott, Scarsdale, N. Y., assignor
 to Lewyt Corporation, Brooklyn, N. Y., a cor-
 poration of New York
 Application December 28, 1946, Serial No. 135,819
 Term of patent 14 years
 (Cl. D9—2)



The ornamental design for a vacuum cleaner nozzle, as shown and described.

148,315

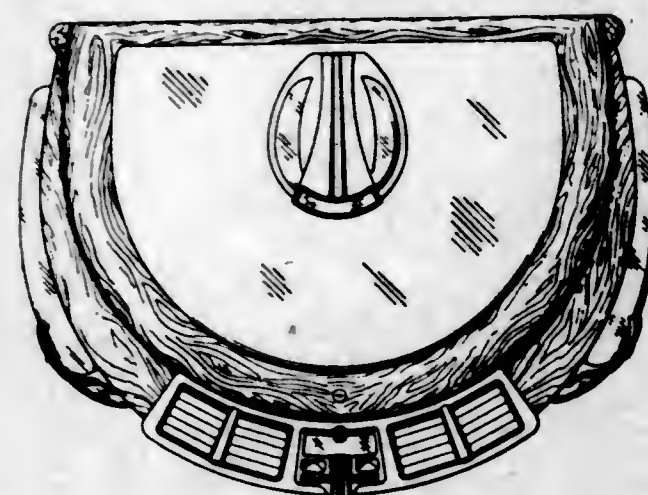
DESIGN FOR A VACUUM CLEANER NOZZLE
 Joshua G. Lippincott, Scarsdale, N. Y., assignor
 to Lewyt Corporation, Brooklyn, N. Y., a cor-
 poration of New York
 Application December 28, 1946, Serial No. 135,820
 Term of patent 14 years
 (Cl. D9—2)



The ornamental design for a vacuum cleaner nozzle, as shown and described.

148,316

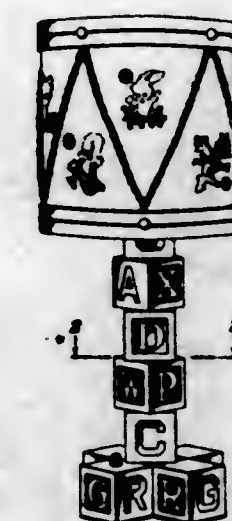
DESIGN FOR A CABINET FOR AUTOMATIC PHONOGRAPHS
 Nels A. Miller, Oak Park, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corpora-
 tion of Illinois
 Application May 4, 1946, Serial No. 129,325
 Term of patent 14 years
 (Cl. D56—4)



The ornamental design for a cabinet for automatic phonographs, as shown.

148,317

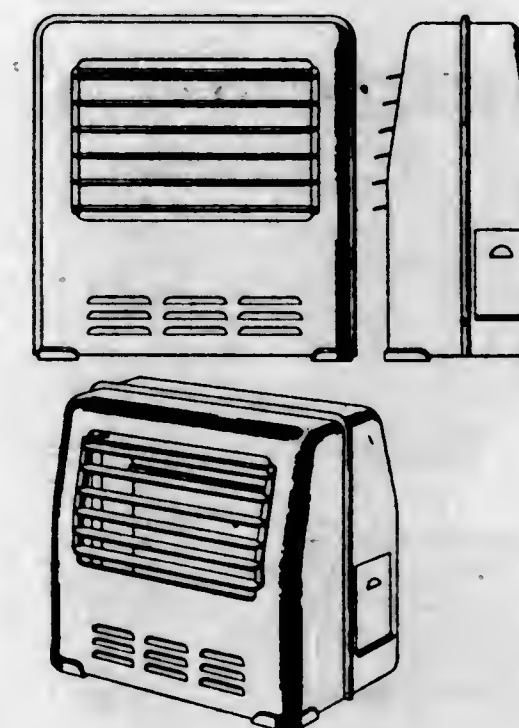
DESIGN FOR A LAMP
 Allan Moore, Sacramento, Calif.
 Application July 2, 1945, Serial No. 120,463
 Term of patent 3½ years
 (Cl. D48—20)



The ornamental design for a lamp, as shown and described.

148,318

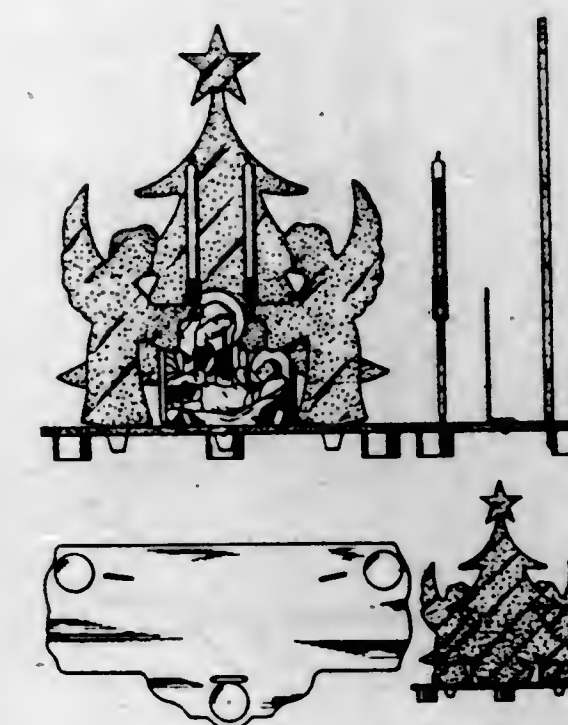
DESIGN FOR A HEATER OR SIMILAR ARTICLE
 Luke O. Morin, Jr., and Stanley Warner, Lookout Mountain, Tenn., assignors to Chattanooga Implement & Manufacturing Co., Chattanooga, Tenn., a corporation of Tennessee
 Application June 6, 1946, Serial No. 130,468
 Term of patent 7 years
 (Cl. D81—10)



The ornamental design for a heater or similar article, as shown.

148,319

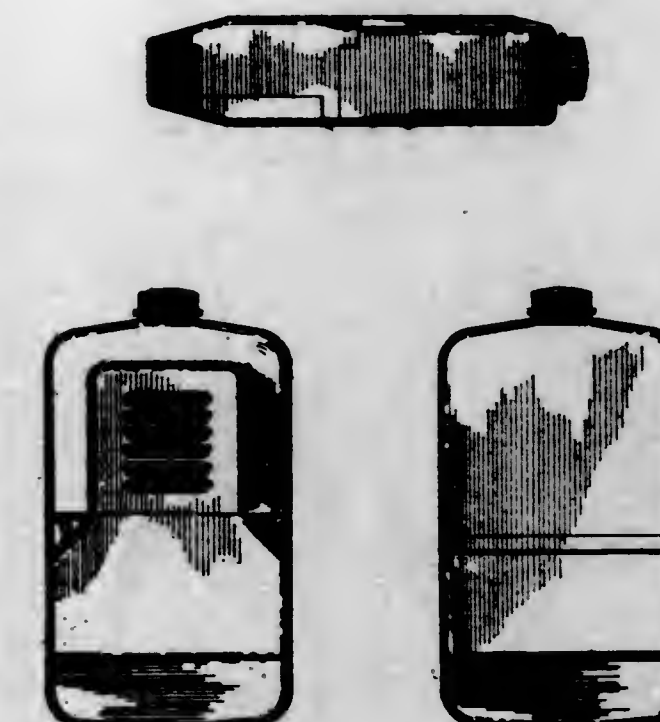
DESIGN FOR A CRÈCHE
 William Niederhausen and Conrad Dallwin Ham-
 ilton, New York, N. Y.
 Application July 25, 1946, Serial No. 131,927
 Term of patent 3½ years
 (Cl. D29—23)



The ornamental design for a crèche, as shown.

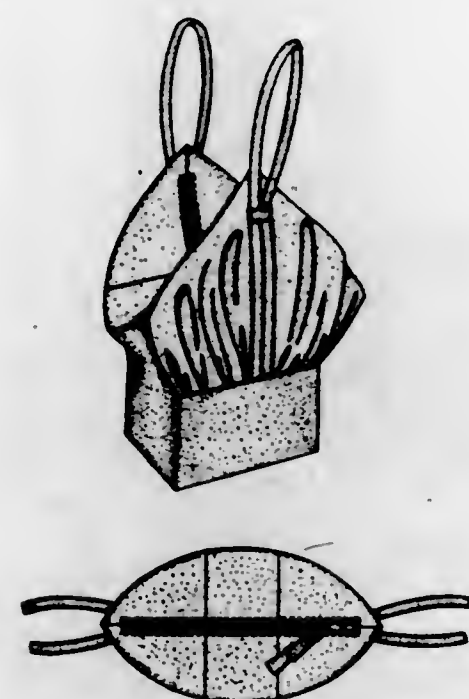
148,320

DESIGN FOR A HEARING AID CASE
 William D. Penn, Dallas, Tex.
 Application August 23, 1946, Serial No. 132,775
 Term of patent 7 years
 (Cl. D26—14)



The ornamental design for a hearing aid case, as shown.

148,321
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
 Irving Pichel, New York, N. Y.
 Application June 17, 1947, Serial No. 139,753
 Term of patent 7 years
 (Cl. D87-3)



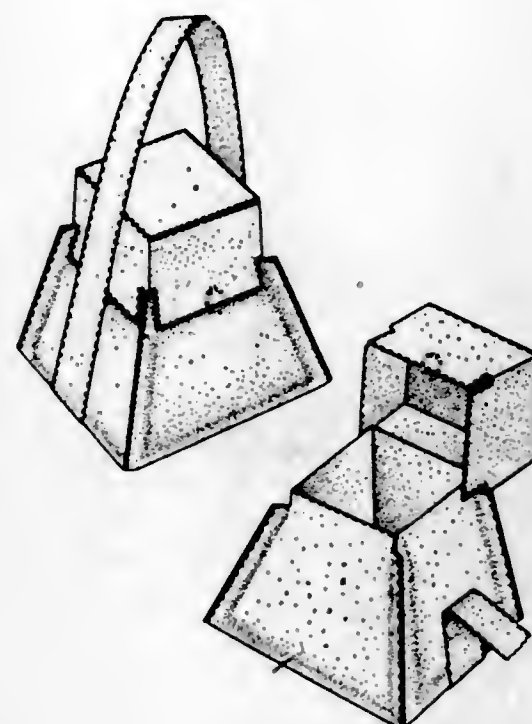
The ornamental design for a handbag or similar article, substantially as shown and described.

148,322
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
 Irving Pichel, New York, N. Y.
 Application June 17, 1947, Serial No. 139,754
 Term of patent 3½ years
 (Cl. 87-3)



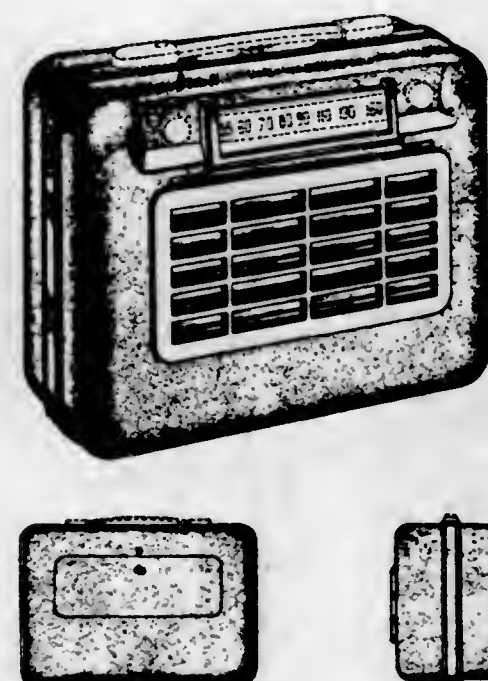
The ornamental design for a handbag or similar article, substantially as shown.

148,323
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
 Irving Pichel, New York, N. Y.
 Application June 17, 1947, Serial No. 139,755
 Term of patent 7 years
 (Cl. D87-3)



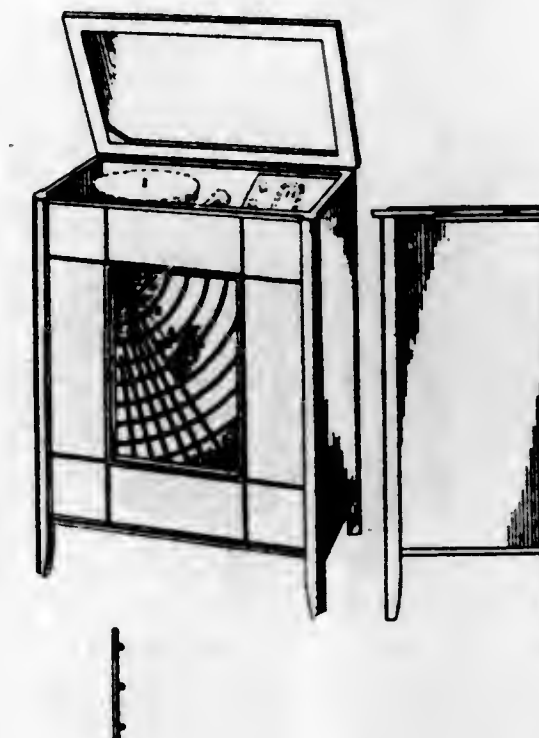
The ornamental design for a handbag or similar article, substantially as shown and described.

148,324
DESIGN FOR A RADIO CABINET
 Joseph D. Portanova, Los Angeles, Calif., assignor to Hoffman Radio Corporation, Los Angeles, Calif., a corporation of California
 Application September 9, 1946, Serial No. 133,186
 Term of patent 3½ years
 (Cl. D56-4)



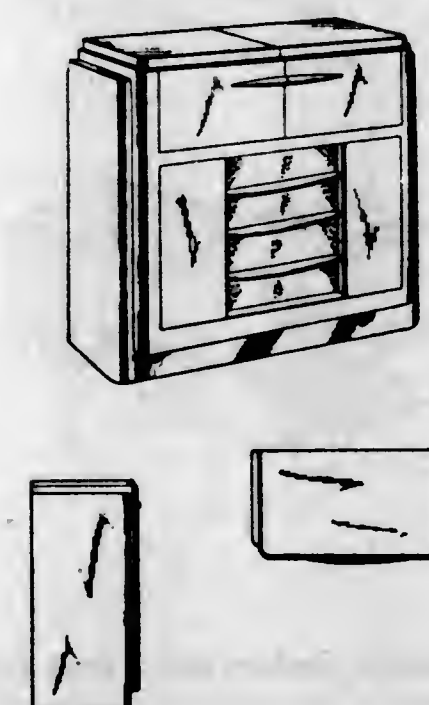
The ornamental design for a radio cabinet, substantially as shown and described.

148,325
DESIGN FOR A CABINET FOR A RADIO-PHONOGRAPH
 Joseph D. Portanova, Los Angeles, Calif., assignor to Hoffman Radio Corporation, Los Angeles, Calif., a corporation of California
 Application September 9, 1946, Serial No. 133,188
 Term of patent 3½ years
 (Cl. D56-4)



The ornamental design for a cabinet for a radio-phonograph, substantially as shown and described.

148,326
DESIGN FOR A RADIO PHONOGRAPH CABINET
 Joseph D. Portanova, Los Angeles, Calif., assignor to Hoffman Radio Corporation, Los Angeles, Calif., a corporation of California
 Application September 9, 1946, Serial No. 133,189
 Term of patent 3½ years
 (Cl. D56-4)

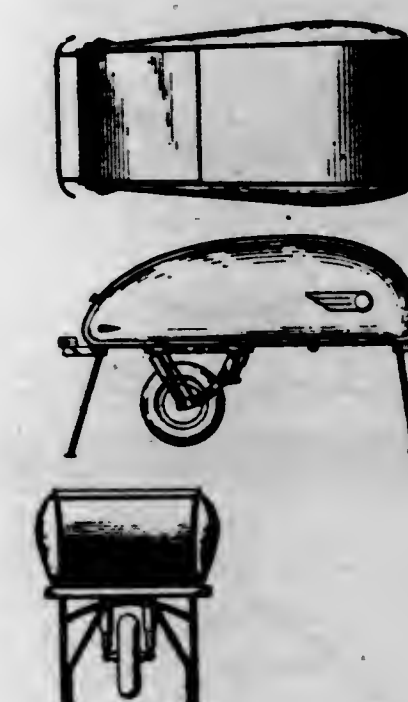


148,326—Continued



The ornamental design for a radio phonograph cabinet, substantially as shown and described.

148,327
DESIGN FOR A ONE-WHEEL TRAILER
 Melvin J. Rasbach, Wichita, Kans.
 Application November 21, 1946, Serial No. 134,993
 Term of patent 14 years
 (Cl. D14-3)

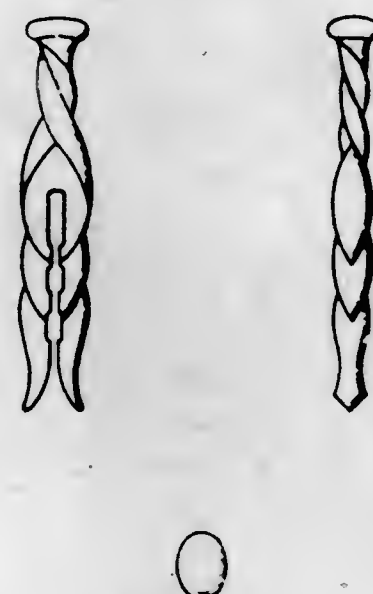


The ornamental design for a one-wheel trailer, substantially as shown.

148,328

DESIGN FOR A CLOTHESPIN

Florindo F. Renzi, Leominster, Mass., assignor to A. J. Renzi Plastic Co., Leominster, Mass., a partnership consisting of Florindo F. Renzi and Anthony J. Renzi
Application November 27, 1946, Serial No. 135,127
Term of patent 14 years
(Cl. D17-6)

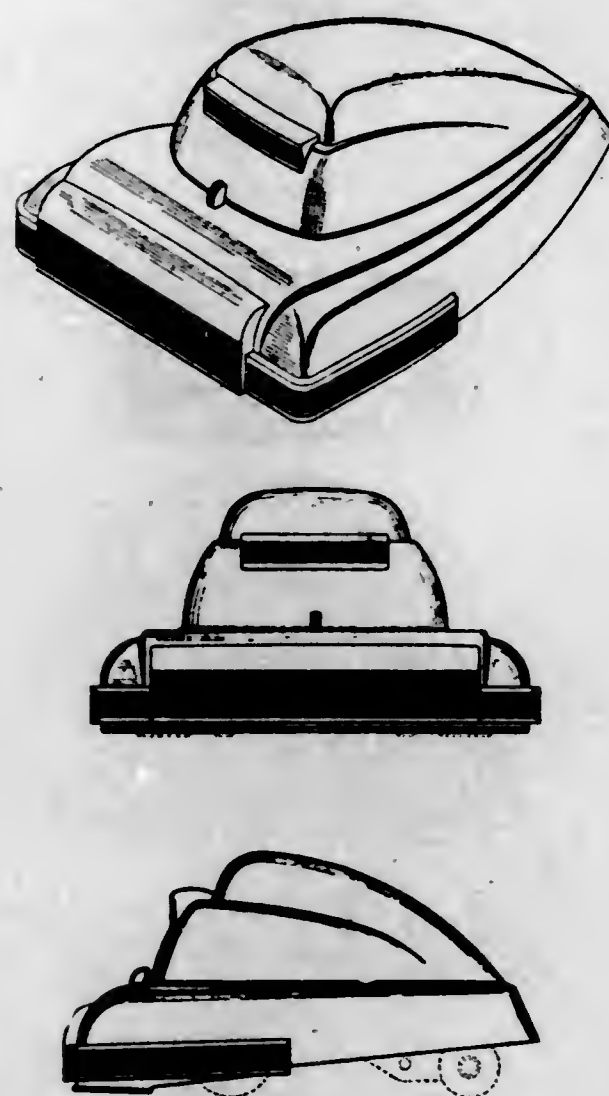


The ornamental design for a clothespin, as shown.

148,329

DESIGN FOR A CASING FOR VACUUM CLEANER

William J. Russell, Newington, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application September 24, 1946, Serial No. 133,542
Term of patent 14 years
(Cl. D9-2)

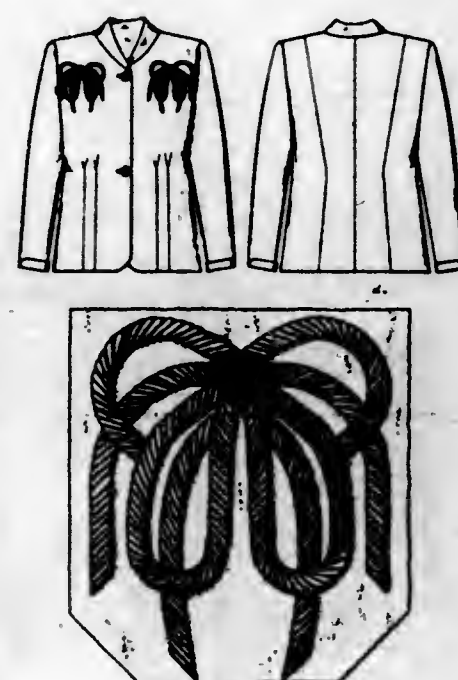


The ornamental design for a casing for vacuum cleaner, substantially as shown and described.

148,330

DESIGN FOR A JACKET OR SIMILAR ARTICLE

Samuel Scheidlinger, Jackson Heights, N. Y.
Application June 13, 1947, Serial No. 139,645
Term of patent 3½ years
(Cl. D3-4)

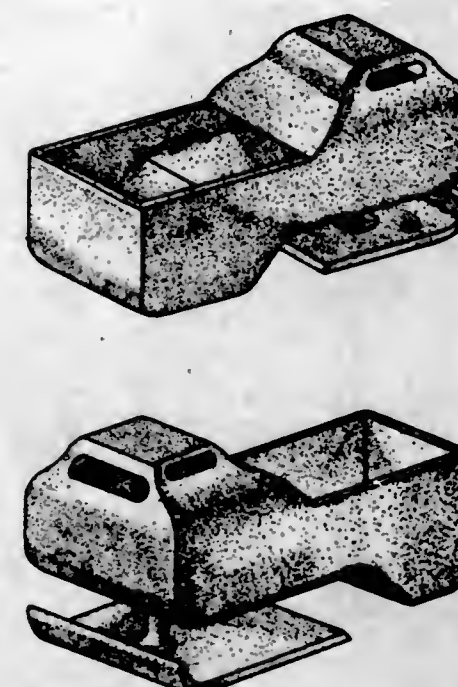


The ornamental design for a jacket or similar article, substantially as shown and described.

148,331

DESIGN FOR A PULL TOY

Arnold H. Scheinman, Milltown, N. J.
Application August 21, 1946, Serial No. 132,688
Term of patent 3½ years
(Cl. D34-15)

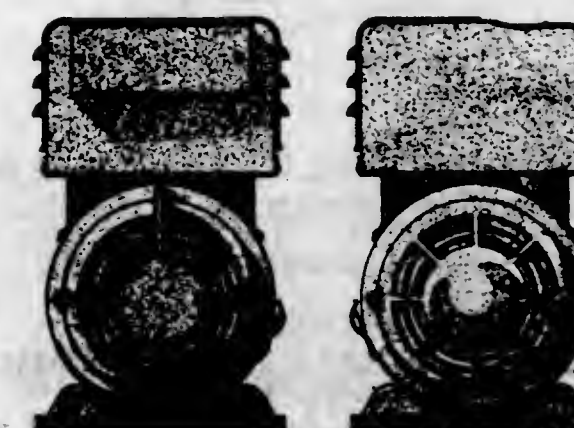
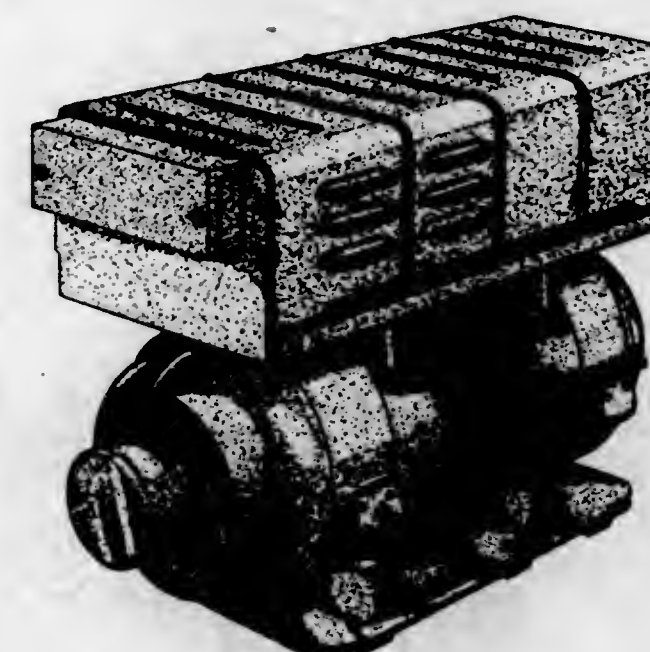


The ornamental design for a pull toy, substantially as shown.

148,332

DESIGN FOR AN INVERTER

Philip F. Scofield, Cleveland Heights, and Arnold R. Keistman, Shaker Heights, Ohio, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application February 8, 1946, Serial No. 126,392
Term of patent 3½ years
(Cl. D26-5)

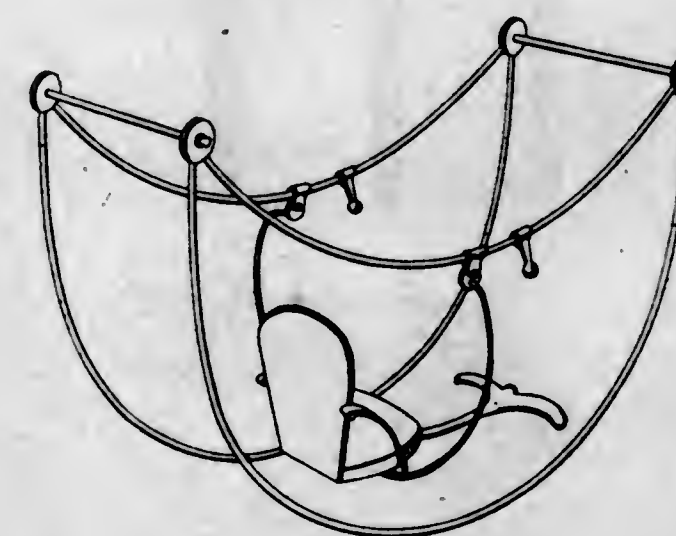


The ornamental design for an inverter, substantially as shown.

148,333

DESIGN FOR A SWING

Harry Sebel, London, England
Application May 16, 1946, Serial No. 129,762
In Great Britain March 27, 1945
Term of patent 14 years
(Cl. D34-5)

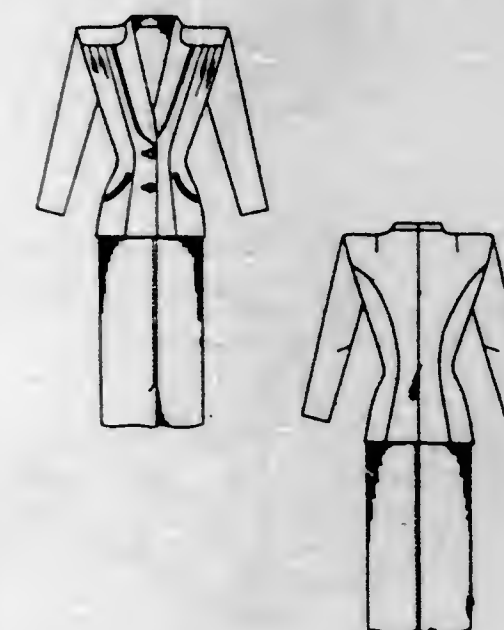


The ornamental design for a swing, as shown.

148,334

DESIGN FOR A SUIT OR SIMILAR ARTICLE

Murray Sices, Lynbrook, N. Y.
Application June 16, 1947, Serial No. 139,705
Term of patent 3½ years
(Cl. D3-4)



The ornamental design for a suit or similar article, substantially as shown.

148,335

DESIGN FOR A PORTABLE SLEEPING STRUCTURE FOR MOUNTING ON TOP OF AN AUTOMOBILE

Norris S. Smith, Los Angeles, Calif.
Application August 30, 1946, Serial No. 132,956
Term of patent 14 years
(Cl. D14-27)

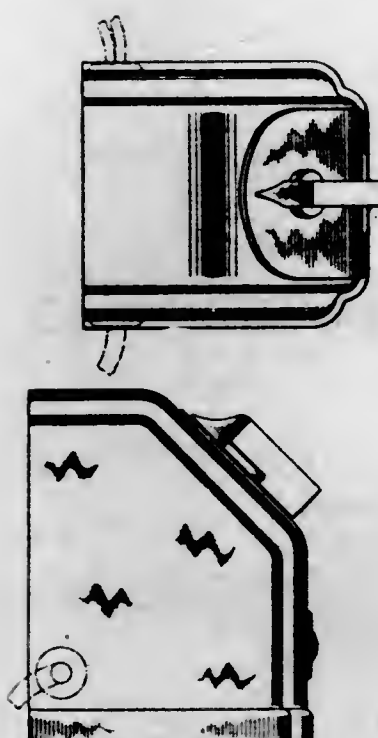
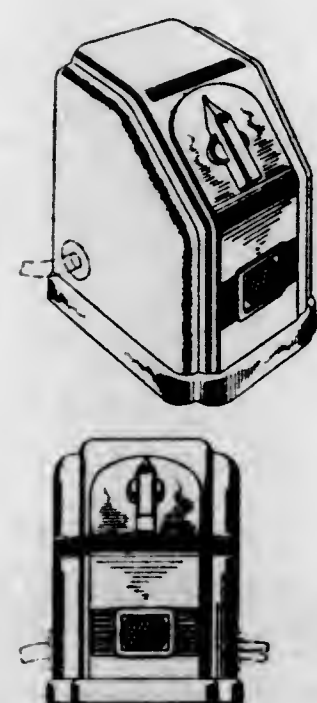


The ornamental design for a portable sleeping structure for mounting on top of an automobile, as shown and described.

148,336

DESIGN FOR A CASING FOR AN ELECTRICAL TIMER

John W. Speaker, Milwaukee, Wis.
Application October 24, 1946, Serial No. 134,192
Term of patent 14 years
(Cl. D26—5)

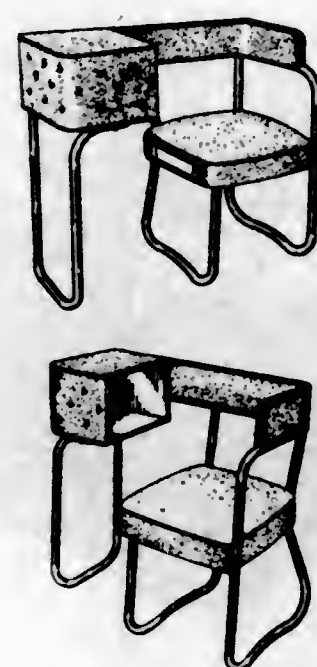


The ornamental design for a casing for an electrical timer, as shown and described.

148,337

DESIGN FOR A COMBINED SEAT AND TELEPHONE STAND

Norman Stein, Outremont, near Montreal, Quebec, Canada
Application May 23, 1946, Serial No. 130,024
In Canada December 29, 1945
Term of patent 7 years
(Cl. D15—1)



The ornamental design for a combined seat and telephone stand, as shown.

148,338

DESIGN FOR A BALL PEN OR SIMILAR ARTICLE

Alexander S. Weston, New York, N. Y.
Application January 20, 1947, Serial No. 136,264
Term of patent 14 years
(Cl. D74—17)

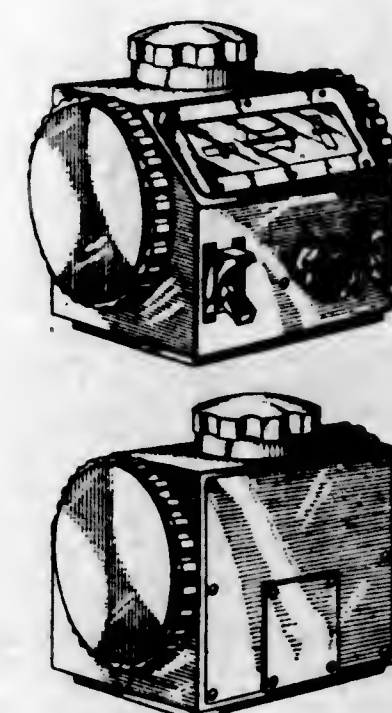


The ornamental design for a ball pen or similar article, as shown.

148,339

DESIGN FOR A NAVIGATION INSTRUMENT FOR AIRCRAFT

Jack C. Wilson, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application June 29, 1946, Serial No. 131,211
Term of patent 7 years
(Cl. D52—1)



The ornamental design for a navigation instrument for aircraft, as shown.

148,340

DESIGN FOR A MOCCASIN

Joyce D. Wilson, Minneapolis, Minn.
Application August 28, 1947, Serial No. 141,097
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a moccasin, substantially as shown.

148,341

DESIGN FOR A HEATER

De Witt H. Wyatt, Columbus, Ohio
Application April 30, 1946, Serial No. 129,148
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a heater, substantially as shown and described.

148,342

DESIGN FOR A HEATER

De Witt H. Wyatt, Columbus, Ohio
Application April 30, 1946, Serial No. 129,149
Term of patent 14 years
(Cl. D81—10)

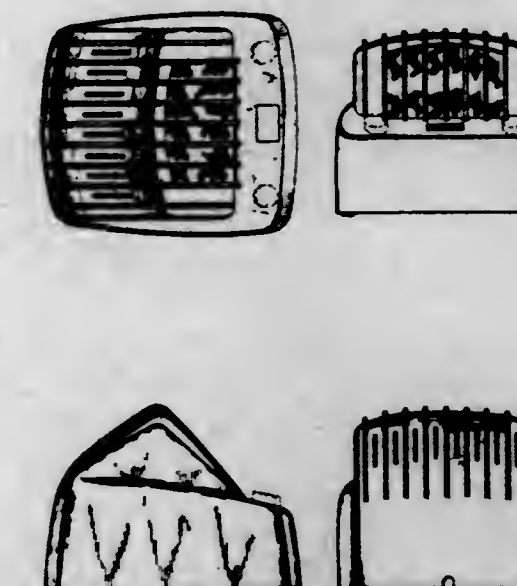


The ornamental design for a heater, substantially as shown and described.

148,343

DESIGN FOR A CABINET FOR INTERCOMMUNICATING SYSTEM

Ruth Louise Whyte, Chicago, Ill., assignor to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois
Application May 3, 1946, Serial No. 129,277
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a cabinet for intercommunicating system, as shown and described.

148,344

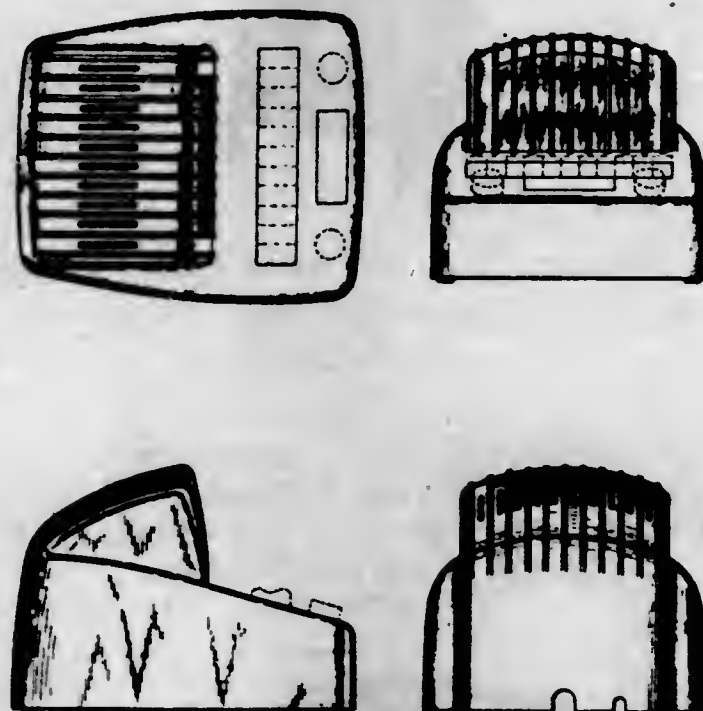
DESIGN FOR A CABINET FOR INTERCOMMUNICATING SYSTEM

Ruth Louise Whyte, Chicago, Ill., assignor to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois

Application May 3, 1946, Serial No. 129,278

Term of patent 14 years

(Cl. D26-14)



The ornamental design for a cabinet for intercommunicating system, as shown and described.

148,345

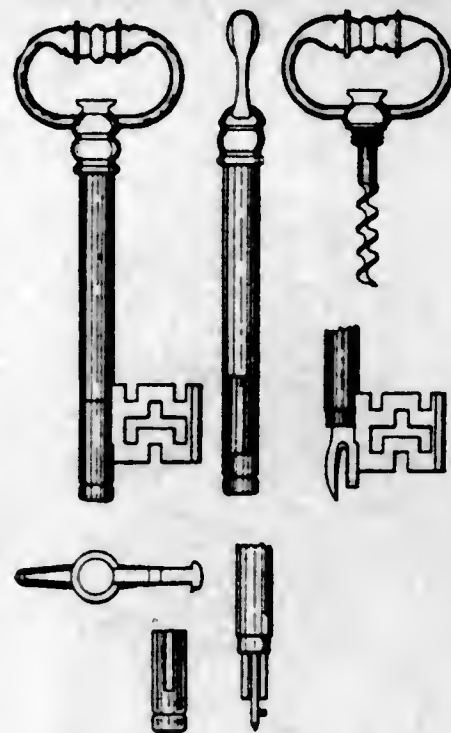
DESIGN FOR A COMBINATION CORKSCREW AND BOTTLE OPENER

Paul Wyler, Forest Hills, N. Y.

Application June 4, 1946, Serial No. 130,376

Term of patent 3½ years

(Cl. D44-29)



The ornamental design for a combination corkscrew and bottle opener, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- A. P. W. Products Company, Inc., Albany, N. Y. Dispensing cabinets, and waste cans. Serial No. 496,680, Jan. 6. Class 2.
- Agricultural Supply Company, The, Spring Green, Wis. Mechanical power-driven sprayers. Serial No. 517,810, Jan. 6. Class 23.
- Ajax Floor Products Corporation, New York, N. Y. Dry, powder-form, water-mix patching materials. Serial No. 508,136, Jan. 6. Class 12.
- Aktiengesellschaft vormals B. Siegfried, Zofingen, Switzerland. Medicinal reconstructive and reconstituent tonic. Serial No. 523,502, Jan. 6. Class 6.
- Akts. Holmegaards Glasvaerk, Copenhagen, Denmark. Tumblers, wine glasses, water glasses, etc. Serial No. 514,585, Jan. 6. Class 33.
- Alexite Engineering Co., Colorado Springs, Colo. Building materials. Serial No. 501,947, Jan. 6. Class 12.
- Alko Manufacturing Co., Chicago, Ill. Fluorescent lighting fixtures. Serial No. 523,119, Jan. 6. Class 21.
- All-Bright Chemical Co.: See—Goodkin, Albert R.
- American Calendar Company, Greenville, Tenn. Leather billfolds. Serial No. 511,852, Jan. 6. Class 3.
- American Spectacle Co., Inc., New York, N. Y. Sun glasses. Serial No. 516,246, Jan. 6. Class 26.
- Ann Marilyn of California, Los Angeles, Calif. Children's dresses, pinafores and dresses. Serial No. 505,661, Jan. 6. Class 39.
- Arapahoe Chemicals, Inc., Boulder, Colo. Acetamidothiophene, 2-acetothienone oxime, 2-aminothiophene, etc. Serial No. 518,869, Jan. 6. Class 6.
- Archer Rubber Company, Milford, Mass. Elastic corset fabric in the piece. Serial No. 496,945, Jan. 6. Class 42.
- Archer Rubber Company, Milford, Mass. Elastic corset fabric in the piece. Serial No. 497,442, Jan. 6. Class 42.
- Ariens Company, The, Brillion, Wis. Multiple row tilling units; multiple row cultivating units, rotary hoe. Serial No. 500,456, Jan. 6. Class 23.
- Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 483,418, Jan. 6. Class 19.
- Arrow Elastic Fabric Co., West New York, N. J. Girdles. Serial No. 507,563, Jan. 6. Class 39.
- Asbestos Company of Texas, Houston, Tex. Asbestos siding. Serial No. 526,570, Jan. 6. Class 12.
- Associated Research, Incorporated, Chicago, Ill. Electrical measuring instruments. Serial No. 513,017, Jan. 6. Class 26.
- Automatic Water Heater Sales Co.: See—Woodmansee, Charles F.
- Bailey, John, Blountstown, Fla. Liniment. Serial No. 510,051, Jan. 6. Class 6.
- Barnes, T. Roy, doing business as Mag-So-Lax Company, Tulsa, Okla. Anti-acid laxative. Serial No. 525,184, Jan. 6. Class 6.
- Baron, H., & Co. Inc., Linden, N. J. Fruit preserves. Serial No. 517,892, Jan. 6. Class 46.
- Barrett, Alfred L., doing business as Hogi-Boka Creations, Staten Island, N. Y. Games played with boards and movable game pieces. Serial No. 513,155, Jan. 6. Class 22.
- Beau-Art Lingerie Co. Inc., New York, N. Y. Women's, misses', and junior misses' slips, nightgowns, pajamas, etc. Serial No. 518,811, Jan. 6. Class 39.
- Bemis Bro. Bag Company, St. Louis, Mo. Twine. Serial No. 526,839, Jan. 6. Class 7.
- Bleshman, Jacob W., doing business as Bleshman Lamp and Shade Co., Philadelphia, Pa. Lamp shades. Serial No. 496,602, Jan. 6. Class 34.
- Bleshman Lamp and Shade Co.: See—Bleshman, Jacob W.
- Bond Stores, Incorporated, New York, N. Y. Men's hats. Serial No. 520,928, Jan. 6. Class 39.
- Bond Stores, Incorporated, New York, N. Y. Girls', misses', and women's suits, woven fabric coats, dresses, etc. Serial No. 525,778, Jan. 6. Class 39.
- Branche, Leo, Syracuse, N. Y. Liquid cough preparation and cold tablets. Serial No. 525,293, Jan. 6. Class 6.
- Bulkley, Danton & Co. Incorporated, New York, N. Y. Bond papers, printing papers, book papers, etc. Serial No. 523,946, Jan. 6. Class 37.
- Burke & James, Inc., Chicago, Ill. Electric foot switches. Serial No. 484,235, Jan. 6. Class 21.
- Caravetta Foods Co., Chicago, Ill. Cheese. Serial No. 520,496, Jan. 6. Class 46.
- Cardean Knitwear Company, Baltimore, Md. Sweaters, swim suits, sport jackets, etc. Serial No. 520,144, Jan. 6. Class 39.
- Cargocaire Engineering Corporation, New York, N. Y. Air conditioning apparatus. Serial No. 511,794, Jan. 6. Class 34.
- Carwood Manufacturing Company, Winder, Ga. Men's and boys' overalls. Serial No. 500,860, Jan. 6. Class 39.
- Celanese Corporation of America, New York, N. Y. Textile fabrics. Serial No. 497,646, Jan. 6. Class 42.
- Chicago Streamlite Corporation, Chicago, Ill. House trailers. Serial No. 518,200, Jan. 6. Class 19.
- Chichester Chemical Co., Philadelphia, Pa. Powdered deodorant. Serial No. 513,236, Jan. 6. Class 6.
- Compactom Limited, London, England. Bedroom furniture. Serial No. 489,390, Jan. 6. Class 32.
- Cream Dove Mfg. Co. Inc., Binghamton, N. Y. Peanut butter. Serial No. 512,580, Jan. 6. Class 46.
- Danzig, Albert M., New York, N. Y. Dolls. Serial No. 506,650, Jan. 6. Class 22.
- Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Perfume, cologne, lipstick, etc. Serial No. 508,420, Jan. 6. Class 6.
- Day's, Mrs., Ideal Baby Shoe Company, Inc., Danvers, Mass. Shoes, slippers, boots and moccasins for children. Serial No. 512,646, Jan. 6. Class 39.
- Day's, Mrs., Ideal Baby Shoe Company, Inc., Danvers, Mass. Babies' and children's shoes, slippers, and booties. Serial No. 526,966, Jan. 6. Class 39.
- Decora Corporation, The, Fort Edward, N. Y. Paper coated with polyvinylidene chloride, etc. Serial No. 524,112, Jan. 6. Class 37.
- Deep Big Trout Reel Co., Rochester, N. Y. Deep water fish trawls and accessories and supplies therefor. Serial No. 496,896, Jan. 6. Class 22.
- De Lescinskas, Leonid, New York, N. Y. Face pack. Serial No. 504,913, Jan. 6. Class 6.
- Desco Shoe Corporation, Long Island City, N. Y. Men's and boys' shoes and slippers. Serial No. 493,050, Jan. 6. Class 39.
- Detroit Gasket & Manufacturing Company, Detroit, Mich. Gaskets for internal combustion engines and associated parts. Serial Nos. 523,033-4, Jan. 6. Class 35.
- Detroit Harvester Company, Detroit, Mich. Hydraulically operated vehicle window regulators, hydraulically operated vehicle seat adjusters, etc. Serial No. 492,690, Jan. 6. Class 23.
- Dippy Bug Co., San Jose, Calif. Costume jewelry. Serial No. 517,240, Jan. 6. Class 28.
- Dominican Recording Co., Ciudad Trujillo, Dominican Republic. Mechanically grooved sound reproducing records. Serial No. 522,062, Jan. 6. Class 36.
- Duroflex Corporation, New York, N. Y. Flexible metallic watch chains and bands. Serial No. 515,615, Jan. 6. Class 28.
- Eby, Hugh H., Inc., Philadelphia, Pa. Miniature socket for electronic tubes. Serial No. 515,263, Jan. 6. Class 21.
- Eddy-Form, Inc., New York, N. Y. Foundation garments. Serial No. 511,267, Jan. 6. Class 39.
- Eldredge, Jack, Cleveland, Ohio. Foot massage rollers and exercisers and arch supports. Serial No. 517,891, Jan. 6. Class 44.
- Eldridge, R. W., Co., Inc., Charlotte, N. C. Handkerchiefs, scarfs and bathing suits. Serial No. 520,269, Jan. 6. Class 39.
- Emery Industries, Inc., Cincinnati, Ohio. Water soluble textile oil. Serial No. 511,991, Jan. 6. Class 6.
- Emmett Manufacturing Company, Emmett, Idaho. Toy and educational blocks. Serial No. 511,867, Jan. 6. Class 22.
- Empire Statesman, Inc., New York, N. Y. Monthly publication. Serial No. 515,703, Jan. 6. Class 38.
- Erick, Albert A., St. Petersburg, Fla. Food for cats and dogs. Serial No. 515,870, Jan. 6. Class 46.
- Everhot Heating Pad Co.: See—Worth, Lena R.
- Eye-Ful Lingerie Inc., New York, N. Y. Ladies' undergarments. Serial No. 520,206, Jan. 6. Class 39.
- Felmore Company, Inc., Providence, R. I. Sterling silver cigarette cases and gold, gold filled and sterling silver fingernail file and comb sets. Serial No. 518,757, Jan. 6. Class 28.
- Fin 'n Feather Club: See—McGraw, Max.
- Fleet Products Inc., New York, N. Y. Miniature automobiles. Serial No. 520,800, Jan. 6. Class 22.
- Florida Land Clearing Equipment Co., Jacksonville, Fla. Machine operated detachable stumpers and root rakes. Serial No. 523,516, Jan. 6. Class 23.
- Flying Tigers (American Volunteer Group-Chinese Air Force), Incorporated, The, New York, N. Y. Toy animals. Serial No. 506,024, Jan. 6. Class 22.
- Folly Cove Designers, Gloucester and Annisquam, Mass. Picture prints, Christmas cards and calendars. Serial No. 516,405, Jan. 6. Class 38.
- Folly Cove Designers, Gloucester and Annisquam, Mass. Wallpaper and wrapping paper. Serial No. 516,407, Jan. 6. Class 37.
- Forrey, Ralph, doing business as Omak Evaporating Company, Omak, Wash. Dried fruits and vegetables. Serial No. 513,658, Jan. 6. Class 46.

Forsell, Carl F., doing business as The Putting Eye Company, Rockford, Ill. Direction indicating attachments for golf clubs. Serial No. 498,278, Jan. 6. Class 22.

Fotolampshade Mfg. Co., The: See—
Schwartz, Sigmund J.

Foulk Engineering Company, The, Cincinnati, Ohio. Jumping sticks. Serial No. 494,667, Jan. 6. Class 22.

Frank Bros. Neptune Mfg. Co., Louisville, Ky. Men's topcoats and overcoats. Serial No. 521,125, Jan. 6. Class 39.

Frankford Umbrella Manufacturing Company, The, Philadelphia, Pa. Collapsible pocket umbrellas. Serial No. 529,454, Jan. 6. Class 41.

Freeman Manufacturing Company, Sturgis, Mich. Ladies' girdles and pantie girdles. Serial No. 494,496, Jan. 6. Class 39.

Fuel-Mizer Corporation: See—
McKeown Engineering Company.

General Motors Corporation, Detroit, Mich. Replacement filtering elements. Serial No. 514,195, Jan. 6. Class 23.

George & Son Mfg. Co., Fresno, Calif. Artificial fishing lures. Serial No. 521,660, Jan. 6. Class 22.

Ginsberg, Isaac, & Bros., Inc., New York, N. Y. Women's dresses. Serial No. 528,440, Jan. 6. Class 39.

Glaziers' Tool Mfg. Corp., Chicago, Ill. Resilient buttons. Serial No. 524,129, Jan. 6. Class 50.

Gondert, Clarence A., doing business as Lewisburg Container Company, Lewisburg, Ohio. Fibreboard shipping and packing boxes. Serial No. 473,733, Jan. 6. Class 2.

Goodall Rubber Company, Inc., Trenton, N. J. Sheet packing, industrial belting and hose. Serial No. 523,662, Jan. 6. Class 35.

Goodkin, Albert R., doing business as All-Bright Chemical Co., Waterbury, Conn. Salts for electrochemical treatment of aluminum in an anodizing bath. Serial No. 507,900, Jan. 6. Class 6.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Synthetic polyvinyl chloride resins. Serial No. 519,817, Jan. 6. Class 1.

Grails, Rubin, & Sons, Chicago, Ill. Infants' and children's leather jackets. Serial No. 502,574, Jan. 6. Class 39.

Graves, Herman, assignee: See—
Trapet, Maurice.

Gray Marine Motor Company, Detroit, Mich. Thermoresponsive control apparatus. Serial No. 516,273, Jan. 6. Class 26.

Harco Products Company, Chicago, Ill. Abrasive element. Serial No. 500,472, Jan. 6. Class 4.

Hardwood Toy Manufacturing Corporation, New York, N. Y. Wood pull toys, wood action toys, wood take-apart toys, etc. Serial No. 493,119, Jan. 6. Class 22.

Haskelite Manufacturing Corporation, Grand Rapids, Mich. Unfinished plywood shapes. Serial No. 529,530, Jan. 6. Class 12.

Hawthorne Laboratories: See—
Wagner, Raymond T.

Hayem, Jean, Montluçon, France. Indoor golf game. Serial No. 505,751, Jan. 6. Class 22.

Hecht Bros.: See—
Hecht Co., The.

Hecht Co., The, also doing business as The Hecht Bros. and The Hub, Washington, D. C., Baltimore, Md., and New York, N. Y. Living room furniture. Serial No. 523,466, Jan. 6. Class 32.

Hecht Co., The, doing business as Hecht Bros. and The Hub, Washington, D. C., Baltimore, Md., and New York, N. Y. Watches. Serial No. 524,653, Jan. 6. Class 27.

Hexacon Electric Company, Roselle Park, N. J. Electric soldering irons. Serial No. 521,332, Jan. 6. Class 21.

Hobbywoods: See—
Jay, Frederic C.

Hogi-Boka Creations: See—
Barrett, Alfred L.

Home & Hobby House, Orlando, Fla. Decorated wooden trays, wooden salad and nut bowls, wooden trays, etc. Serial No. 497,389, Jan. 6. Class 2.

Household Paper Products Co., Detroit, Mich. Hat boxes, garment bags and refrigerator bags. Serial No. 504,769, Jan. 6. Class 2.

Hub, The: See—
Hecht Co., The.

Humphreys, Pauline H., doing business as Sharp's Point Studio, Salisbury, Md. Electric lamp shades. Serial No. 521,450, Jan. 6. Class 21.

Hungarian Rubber Goods Factory Limited, The, Budapest, Hungary. Tennis balls. Serial No. 519,582, Jan. 6. Class 22.

Imperial Molded Products Corporation, Chicago, Ill. Molded and cast, natural and synthetic resin and plastic bases, backings, supports and shade frames. Serial No. 497,102, Jan. 6. Class 34.

Imperial Record Co., Los Angeles, Calif. Mechanically grooved phonograph records of the disc type. Serial No. 516,895, Jan. 6. Class 36.

International Silver Company, The, Meriden, Conn. Silver polish. Serial No. 510,084, Jan. 6. Class 4.

J. B. Chemical Products: See—
Jonay Products Inc.

Jacoby, Morris, New York, N. Y. Optical frames, lenses, and ophthalmic mountings. Serial No. 505,304, Jan. 6. Class 26.

Jacqmar Limited, London, England. Piece goods. Serial No. 516,133, Jan. 6. Class 42.

Jahns Engineering Company: See—
Jahns, William, Jr.

Jahns, William, Jr., doing business as Jahns Engineering Company, Los Angeles, Calif. Pistons. Serial No. 522,169, Jan. 6. Class 23.

Jay, Frederic C., doing business as Hobbywoods, Baltimore, Md. Lumber. Serial No. 509,987, Jan. 6. Class 12.

Jonay Products Inc., doing business as J. B. Chemical Products, Boston, Mass. Pet shampoo. Serial No. 519,525, Jan. 6. Class 6.

Jupiter Record Corp., New York, N. Y. Phonograph records of the mechanically grooved type. Serial No. 521,578, Jan. 6. Class 36.

Kansas City Assemblage Company: See—
Fadgett, Winona Y.

Kanstone Company: See—
Stevenson, J. M.

Karl Sent of Hollywood: See—
Trapet, Maurice.

Kathryn, Inc. assignee: See—
Daumit, Kay, Inc.

Kayser, Julius, & Co., New York, N. Y. Hosiery. Serial No. 492,712, Jan. 6. Class 39.

Kinney, G. R., Co., Inc., New York, N. Y. Women's leather and fabric gloves, hosiery, and shoes. Serial No. 497,939, Jan. 6. Class 39.

Kraft Foods Company, Chicago, Ill. Feed supplement. Serial No. 512,124, Jan. 6. Class 46.

Krueger Sentry Gauge Co.: See—
Krueger, Winfred S.

Krueger, Winfred S., doing business as Krueger Sentry Gauge Co., Green Bay, Wis. Liquid level gauges. Serial No. 513,890, Jan. 6. Class 26.

Kuna, Jozsef, Oxford, England. Blocks and pieces to be assembled. Serial No. 497,483, Jan. 6. Class 22.

Lanteen Medical Laboratories, Inc., Chicago, Ill. Vitamin tablets. Serial Nos. 511,480-1, Jan. 6. Class 6.

Lee Laboratories Dausse, Société Anonyme, Paris, France. Anti-asthmatic preparation. Serial No. 523,969, Jan. 6. Class 6.

Levitt, David D., Buffalo, N. Y. Coin actuated amusement games. Serial No. 518,015, Jan. 6. Class 22.

Lewis, J. H., Inc., St. Paul, Minn., doing business as Tiffany Products Co. Waterless cleaner. Serial No. 517,142, Jan. 6. Class 4.

Lewis, Richard W., doing business as Stainless Ware Company of America, Detroit, Mich. Kitchen utensils and containers. Serial No. 478,398, Jan. 6. Class 13.

Lewis-Shepard Products Inc., Watertown, Mass. Materials-handling equipment. Serial No. 486,960, Jan. 6. Class 23.

Lewisburg Container Company: See—
Gondert, Clarence A.

London, Bessie, Baltimore, Md. Body massaging apparatus. Serial No. 516,363, Jan. 6. Class 44.

Lorriaux, Robert J. P., Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 497,257, Jan. 6. Class 6.

Lubald Co.: See—
Sauerborn, L. J.

Macalaster Bicknell Company, Cambridge, Mass. Non-metallic container closures. Serial No. 480,600, Jan. 6. Class 50.

Magor Car Corporation, New York, N. Y., and Passaic, N. J. Hand shovels, scoops, and spades. Serial No. 519,883, Jan. 6. Class 23.

Magor Car Corporation, New York, N. Y., and Passaic, N. J. Hand shovels, scoops, and spades. Serial No. 519,885, Jan. 6. Class 23.

Mag-So-Lax Company: See—
Barnes, T. Roy.

Majestic Doll & Toy Corp., New York, N. Y. Dolls and dolls' dresses. Serial No. 520,407, Jan. 6. Class 22.

Maltine Company, The, New York, N. Y. Product influencing capillary fragility. Serial No. 515,318, Jan. 6. Class 6.

Martens, R. C., doing business as Oakdyoke Manufacturing Company, Nevada City, Calif. Ointment for poison oak and poison ivy. Serial No. 509,993, Jan. 6. Class 6.

Marx & Newman Company, Inc., New York, N. Y. Women's shoes. Serial No. 515,666, Jan. 6. Class 39.

Masland, C. H., & Sons, Carlisle, Pa. Sportswear. Serial No. 521,199, Jan. 6. Class 39.

May, Mike D., Durham, N. C. Game of skill. Serial No. 514,550, Jan. 6. Class 22.

McGraw, Max, doing business as Fin'N Feather Club, Dundee, Ill. Food products. Serial No. 501,751, Jan. 6. Class 46.

McKeown Engineering Company, assignor to Fuel-Mizer Corporation, Buffalo, N. Y. Apparatus for inside attachment to the fire door or wall of a coal burning furnace or the like. Serial No. 507,327, Jan. 6. Class 34.

McQuay-Norris Manufacturing Co., St. Louis, Mo. Piston rings and expanders therefor. Serial No. 526,582, Jan. 6. Class 35.

Mears & Hemingway Specialties, Norfolk, Va. Receptacles. Serial No. 520,958, Jan. 6. Class 2.

Mengel Company, The, Louisville, Ky. Fibreboard shipping boxes. Serial No. 493,376, Jan. 6. Class 2.

Mexican Chile Supply Company, Fort Worth, Tex. Chile powder, chile peppers, and packaged garlic. Serial No. 502,910, Jan. 6. Class 46.

Middleby, Joseph, Jr., Inc., Boston, Mass. Nonalcoholic maltless beverages. Serial No. 479,488, Jan. 6. Class 45.

Midwest Consultants, Inc., doing business as Precision Miniatures, St. Louis, Mo. Charm bracelets. Serial No. 512,438, Jan. 6. Class 28.

Monsanto Chemical Company, St. Louis, Mo. Thread and yarns. Serial No. 521,749, Jan. 6. Class 43.

Moss, T. J., The Company, St. Louis, Mo. Railroad cross-ties, railroad switch ties, timbers, etc. Serial No. 527,159, Jan. 6. Class 12.

Musivox Sales Company, New York, N. Y. Radio receiving sets and electric phonographs. Serial No. 507,212, Jan. 6. Class 21.

Mutual-Sunset Lamp Manufacturing Co., Inc., New York, N. Y. Electrical apparatus. Serial No. 524,614, Jan. 6. Class 21.

Nakasheff, Pantcho, doing business as Pharmacy P. Nakasheff, Sofia, Bulgaria. Medicinal preparation for use in the treatment of Parkinson's disease. Serial No. 523,409, Jan. 6. Class 6.

Nailhook, H. & J., Co., Inc., Philadelphia, Pa. Women's dresses. Serial No. 528,612, Jan. 6. Class 39.

National Engineering & Equipment Company, Providence, R. I. Waste heat economizers. Serial No. 508,853, Jan. 6. Class 34.

National Gypsum Company, Buffalo, N. Y. Hydrated finish lime. Serial No. 507,066, Jan. 6. Class 12.

National Mattress Company, Huntington, W. Va. Mattresses, cribs, children's play-pens, etc. Serial No. 493,448, Jan. 6. Class 32.

Newton Elkin Shoe Company, Philadelphia, Pa. Shoes. Serial No. 512,923, Jan. 6. Class 39.

Nicholson File Company, Providence, R. I. Files. Serial No. 482,387, Jan. 6. Class 23.

Nickel Cadmium Battery Corporation, Easthampton, Mass. Storage batteries. Serial No. 515,126, Jan. 6. Class 21.

Norwich Line Company, Inc., Norwich, N. Y. Bait casting fishing lines. Serial No. 511,284, Jan. 6. Class 22.

Norwich Line Company, Inc., Norwich, N. Y. Fishing lines. Serial No. 512,526, Jan. 6. Class 22.

Oakdyoke Manufacturing Company: See—
Martens, R. C.

Ohio Advertising Display Company, The, Cincinnati, Ohio. Electrically illuminated advertising display signs. Serial No. 521,994, Jan. 6. Class 21.

Oliver Corporation, The, Chicago, Ill. Plows and parts thereof. Serial No. 515,130, Jan. 6. Class 23.

Omak Evaporating Company: See—
Forrey, Ralph.

Omni Products Corporation, New York, N. Y. Thermoplastic materials. Serial No. 522,392, Jan. 6. Class 1.

Onelda Chemical Company: See—
Wiley, Frank L.

Ormsbee, Helen S., Portland, Maine. Ladies' and misses' blouses, dresses, coats, etc. Serial No. 523,605, Jan. 6. Class 39.

Padgett, Dr., Earl C., The Estate of: See—
Padgett, Winona Y.

Padgett, Winona Y., executrix of The Estate of Dr. Earl C. Padgett, doing business as Kansas City Assemblage Company, Kansas City, Mo. Surgical apparatus. Serial No. 519,092, Jan. 6. Class 44.

Payne Coal Company, Inc., Wilkes-Barre, Pa. Coal. Serial No. 521,027, Jan. 6. Class 1.

Pharis Tire and Rubber Company, The, Newark, Ohio. Tire and floor coverings. Serial No. 523,612, Jan. 6. Class 20.

Pharmacy P. Nakasheff: See—
Nakasheff, Pantcho.

Plasti Industries, Inc., Winona, Minn. Sandals and light overshoes. Serial No. 517,166, Jan. 6. Class 39.

Pneumatic Tool Sales & Repair Co., Inc., Long Island City, N. Y. Pneumatic drills. Serial No. 515,448, Jan. 6. Class 23.

Precision Apparatus Company, Inc., Elmhurst, Long Island, N. Y. Instruments for testing electronic tubes and instruments for testing both electronic tubes and radio receiver circuits. Serial No. 515,790, Jan. 6. Class 26.

Precision Miniatures: See—
Midwest Consultants, Inc.

Procter & Gamble Company, The, Cincinnati, Ohio. Suds-ing cleaner, cleanser, and detergent. Serial No. 524,417, Jan. 6. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Suds-ing cleaner, cleanser, and detergent. Serial No. 524,480, Jan. 6. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Suds-ing cleaner, cleanser, and detergent. Serial No. 524,562, Jan. 6. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Suds-ing cleaner, cleanser, and detergent. Serial No. 524,622, Jan. 6. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Suds-ing cleaner, cleanser, and detergent. Serial No. 524,614, Jan. 6. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Suds-ing cleaner, cleanser, and detergent. Serial No. 525,245, Jan. 6. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Suds-ing cleaner, cleanser, and detergent. Serial No. 525,947, Jan. 6. Class 4.

Putting Eye Company, The: See—
Forsell, Carl F.

Radio Corporation of America, New York, N. Y. Non-electric phonographs, non-electric sound records for phonographs, etc. Serial No. 526,288, Jan. 6. Class 36.

Rappaport, Jack, Co., Inc., New York, N. Y. Undergarments for women. Serial No. 519,295, Jan. 6. Class 39.

Rawlings & Sons (London) Limited, London, England. Aperitif liqueur. Serial No. 518,482, Jan. 6. Class 49.

Regal Plastic Company, Kansas City, Mo. Lamp tables, cocktail and coffee tables, and corner shelves. Serial No. 493,612, Jan. 6. Class 32.

Reichhold Chemicals, Inc., Detroit, Mich. Soluble synthetic resins and solutions thereof. Serial No. 520,417, Jan. 6. Class 1.

Revlon Products Corporation, New York, N. Y. Nail enamel, base and top coat. Serial No. 506,549, Jan. 6. Class 6.

Reynolds Metals Company, Richmond, Va. Aluminum and aluminum alloys. Serial No. 507,218, Jan. 6. Class 14.

Rider, William E., doing business as Riders, Ltd., North Hollywood, Calif. Hand lotion. Serial No. 496,861, Jan. 6. Class 6.

Riders, Ltd.: See—
Rider, William E.

Sage, Peggy, Inc., Stamford, Conn., and New York, N. Y. Nail polish. Serial No. 515,332, Jan. 6. Class 6.

Saks & Company, New York, N. Y. Women's and misses' hats, dresses, blouses, etc. Serial No. 516,733, Jan. 6. Class 39.

Sanders, Daniel, New York, N. Y. Ladies' pajamas, slips, nightgowns, etc. Serial No. 522,971, Jan. 6. Class 39.

Sandler, A., Co., Boston, Mass. Shoes of leather, rubber, fabrics, etc. Serial No. 480,679, Jan. 6. Class 39.

Sauerborn, L. J., doing business as Lubald Co., Milwaukee, Wis. Inflammable penetrating oil. Serial No. 503,830, Jan. 6. Class 15.

Schelling, Richard T., Flint, Mich. Toy top. Serial No. 523,706, Jan. 6. Class 22.

Scherer Corporation, Bloomington, N. J. Hyaluronidase. Serial No. 522,694, Jan. 6. Class 6.

Schleffelin & Co., New York, N. Y. Fluid extract belladonna leaves; fluid extract cottonroot bark; etc. Serial No. 524,084, Jan. 6. Class 6.

Schwartz, Sigmund J., doing business as The Fotolampshade Mfg. Co., Brooklyn, N. Y. Electric lamp shades. Serial No. 514,435, Jan. 6. Class 21.

Scully, John J., Jr., Port Arthur, Tex. Cartoon strip. Serial No. 515,335, Jan. 6. Class 38.

Sealol Corporation, Providence, R. I. Mechanical seal for rotary shafts. Serial No. 516,446, Jan. 6. Class 35.

Shapiro Distributing Co., Newburgh, N. Y. Footballs, baseball gloves, golf balls. Serial No. 521,962, Jan. 6. Class 22.

Sharp's Point Studio: See—
Humphreys, Pauline H.

Shopper-Ette & Specialties, Inc., Detroit, Mich. Hand carts. Serial No. 513,691, Jan. 6. Class 19.

Smith, F. A., Manufacturing Co., Inc., Rochester, N. Y. Lathes. Serial No. 516,797, Jan. 6. Class 23.

Société Anonyme d'Exploitation des Papeteries L. Lacoix Fils, Angoulême, France. Cigarette papers cut to size. Serial No. 508,252, Jan. 6. Class 8.

Société Gènevoise d'Instruments de Physique, Geneva, Switzerland. Machine-tools. Serial No. 503,765, Jan. 6. Class 23.

Solar Manufacturing Corporation, New York, N. Y., and elsewhere. Dry electrolytic capacitors. Serial No. 510,901, Jan. 6. Class 21.

Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. Serial No. 529,315, Jan. 6. Class 43.

Sporting Goods, Inc., Springfield, Mass. Golf clubs. Serial No. 517,210, Jan. 6. Class 22.

Spra-Shield Company, Grand Rapids, Mich. Spray for shrubs and trees. Serial No. 513,906, Jan. 6. Class 6.

Spun Fibers, Inc., Lenoir, N. C. Yarn. Serial No. 518,918, Jan. 6. Class 43.

Stainless Ware Company of America: See—
Lewis, Richard W.

Stammer, Vivienne B., Appleton, Wis. Holder for nursing bottles. Serial No. 515,965, Jan. 6. Class 44.

Standard-Coosa-Thatcher Company, Chattanooga, Tenn. Thread. Serial No. 528,111, Jan. 6. Class 43.

Standard-Coosa-Thatcher Company, Chattanooga, Tenn. Thread. Serial No. 528,161, Jan. 6. Class 43.

Star Band Co., Inc., New York, N. Y. Cellophane Christmas stockings. Serial No. 521,294, Jan. 6. Class 22.

Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separators, spout magnets, magnetic clutches, etc. Serial No. 518,056, Jan. 6. Class 21.

Sterling Drug Inc., Wilmington, Del. Detergent and polishing agent. Serial No. 524,749, Jan. 6. Class 4.

Stevenson, J. M., doing business as Kanstone Company, Garnett, Kans. Soil conditioner. Serial No. 523,026, Jan. 6. Class 10.

Sunrise Mattress Co., Inc., Hempstead, N. Y. Mattresses. Serial No. 520,910, Jan. 6. Class 32.

Susquehanna Mills, Inc., New York, N. Y. Worsted woolen gabardine fabrics in the piece. Serial No. 524,631, Jan. 6. Class 42.

Tablin-Picker & Company, Chicago, Ill. Cotton, silk, and artificial-silk aprons and dresses. Serial No. 513,477, Jan. 6. Class 39.

Telecoln Corporation, New York, N. Y. Coin-operated radio and television receiving sets, and parts thereof. Serial No. 520,856, Jan. 6. Class 21.

Tiffany Products Co.: See—
Lewis, J. H., Inc.

Tishman, Lou, Co., Inc., New York, N. Y. Ladies' coats. Serial No. 528,899, Jan. 6. Class 39.

Toledo Venetian Blind Company, Incorporated, Toledo, Ohio. All types of Venetian blinds. Serial No. 514,999, Jan. 6. Class 32.

Trapet, Maurice, also doing business as Karl Sent of Hollywood, assignor to Herman Graves, Los Angeles, Calif. Base metal, tubular, valve-controlled perfume dispenser. Serial No. 495,914, Jan. 6. Class 2.

Treasurvor, New York, N. Y. Mechanically grooved phonograph records. Serial No. 523,717, Jan. 6. Class 36.

Tyler, A. G., Inc., New York, N. Y. Solution of acetylsalicylic acid. Serial No. 523,492, Jan. 6. Class 6.

Unicorn Products Limited, London, England. Darts, dart flights, dart canes, etc. Serial No. 502,355, Jan. 6. Class 22.

United Chromium, Incorporated, New York, N. Y. Synthetic resinous material. Serial No. 499,088, Jan. 6. Class 1.

Vanity Doll Company, Inc., Brooklyn, N. Y. Dolls. Serial No. 520,244, Jan. 6. Class 22.

Vogue Dolls, Inc., Medford, Mass. Dolls. Serial No. 519,304, Jan. 6. Class 22.

Volay of Paris Company, Kalamazoo, Mich. Perfumes. Serial No. 514,156, Jan. 6. Class 6.

Wagner, Raymond T., doing business as Hawthorne Laboratories, Louisville, Ky. Veterinary preparation. Serial No. 524,092, Jan. 6. Class 6.

Walker, Eldon M., Decatur, Ill. Electrical heaters. Serial No. 517,937, Jan. 6. Class 21.

Wats Manufacturing Enterprises, The, Miami, Fla. Mechanical apparatus and parts thereof. Serial No. 515,993, Jan. 6. Class 23.

Weinrich, H., Company Inc., Philadelphia, Pa. Finger rings, earrings, bracelets, etc. Serial No. 519,785, Jan. 6. Class 28.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,005-6, Jan. 6. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,024, Jan. 6. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,111-12, Jan. 6. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,117, Jan. 6. Class 37.

White, Morton, & Company, Vancouver, British Columbia, Canada. Paper towel dispensers and toilet paper dispensers of the cabinet type. Serial No. 509,063, Jan. 6. Class 2.

Wiley, Frank L., doing business as Onelda Chemical Company, Utica, N. Y. Liquid poison for the extermination of ants. Serial No. 512,554, Jan. 6. Class 6.

Willis-Overland Motors, Inc., Toledo, Ohio. Automobiles and structural parts thereof. Serial No. 459,058, Jan. 6. Class 19.

Woodmansee, Charles F., doing business as Automatic Water Heater Sales Co., San Francisco, Calif. Water heaters and parts and accessories thereof. Serial No. 505,787, Jan. 6. Class 34.

Worth, Lena R., doing business as Everhot Heating Pad Co., Newark, N. J. Chemically-heated pads. Serial No. 522,215, Jan. 6. Class 44.

Xpray Corporation, New York, N. Y. Atomizers. Serial No. 520,488, Jan. 6. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Visible Records, Inc., Chicago, Ill. Filing cabinets and filing cabinet drawers. 435,709, Jan. 6; Serial No. 518,750, published Sept. 23, 1947. Class 32.

Addis, Limited, Hertford, England. Toothbrushes. 435,756, Jan. 6; Serial No. 520,313, published Oct. 7, 1947. Class 29.

Airline Foods Corporation, assignee: See—
Frank, Richard & Co., Inc.

Allied Drug Products Company: See—
Laufer & Laufer Co.

Aluminum Awning Co., Tulsa, Okla. Removable metal awnings. 435,652, Jan. 6; Serial No. 509,825, published Oct. 14, 1947. Class 12.

American Metal Products Company, by Ampco Metal, Inc., Milwaukee, Wis. Metals. 117,240, June 26, 1917. Republished Jan. 6, Class 14.

American Oil Company, The, Baltimore, Md. Automobile tires, automobile tubes, fan belts, automobiles, etc. 435,708, Jan. 6; Serial No. 516,855, published Sept. 30, 1947. Class 35.

American Photographic Publishing Co.: See—
Photo-Era Publishing Co.

American Smelting and Refining Company, New York, N. Y., and San Francisco, Calif., to American Smelting and Refining Company, New York, N. Y. Pig lead, calking lead, and bar lead. 231,208, renewed Aug. 16, 1947. O. G. Jan. 6. Class 14.

American Steel & Wire Company of New Jersey, The, Cleveland, Ohio. Poultry fence wire. 139,059, renewed Jan. 5, 1948. O. G. Jan. 6. Class 13.

Ames Company, Inc., Elkhart, Ind. Cholagogues and cholagogues. 435,892, Jan. 6; Serial No. 515,479, published Oct. 14, 1947. Class 6.

Ampco Metal, Inc.: See—
American Metal Products Company.

Anglo Fabrics Company, assignor to Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. 435,798, Jan. 6. Class 42.

Anglo Fabrics Company, Inc.: See—
Anglo Fabrics Company.

Animal Trap Company of America, Lititz, Pa. Poisons. 435,623, Jan. 6; Serial No. 499,037, published Aug. 27, 1946. Class 6.

Antoine de Paris, Inc., New York, N. Y., and Hoboken, N. J. Soap. 435,741, Jan. 6; Serial No. 519,434, published Sept. 30, 1947. Class 4.

Arketex Ceramic Corporation: See—
Clay Products Company, Incorporated.

Armour and Company: See—
Fowler Packing Co.

Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Innersoling for shoes. 116,744, May 22, 1917. Republished Jan. 6. Class 50.

Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Slip-insoles for shoes. 119,162, Oct. 30, 1917. Republished Jan. 6. Class 50.

Arnold, John W., San Francisco, Calif. Lubricator for pneumatic tools. 435,797, Jan. 6. Class 15.

Atkins, E. C., and Company, Indianapolis, Ind. Saws and saw-fitting tools. 108,735, Feb. 22, 1916. Republished Jan. 6, 1948. Class 23.

Atlantic Food Packing Co.: See—
Rosenthal, Alex.

Autotype Company Limited, The, West Ealing, London, England. Non-sensitized photographic papers. 435,700, Jan. 6; Serial No. 516,112, published Sept. 30, 1947. Class 37.

Avon Products, Inc., New York, N. Y. Cosmetic set. 435,744, Jan. 6; Serial No. 519,717, published Sept. 30, 1947. Class 6.

Ayerst, McKenna & Harrison Limited, New York, N. Y. Pharmaceutical preparation. 435,694, Jan. 6; Serial No. 516,601, published Oct. 7, 1947. Class 6.

Ballantine, P., & Sons, Newark, N. J. Lager beer. 119,244, Nov. 13, 1917. Republished Jan. 6, Class 48.

Baltimore Biological Laboratory: See—
Carski, Theodore J.

Bartels, Leroy: See—
Scott, Rufus W., Company.

Bay-B-Trax Co.: See—
Tuckness, Marene.

Bear Creek Orchards: See—
Harry and David.

Bel-Whit Food Products Inc., Preston, Md. Canned tomatoes, sweet pickle chips, pickles, etc. 435,689, Jan. 6; Serial No. 515,291, published Sept. 23, 1947. Class 46.

Bendix Aviation Corporation, doing business as The Eclipse-Pioneer Division, Teterboro, N. J. Tubes enclosing heater elements. 435,746, Jan. 6; Serial No. 519,918, published Sept. 30, 1947. Class 21.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Electric sound-producing signaling devices. 117,981, Aug. 14, 1917. Republished Jan. 6. Class 21.

Berkshire Silver Company, Wallingford, Conn. Water pitchers, goblets, bonbon holders, etc. 435,787, Jan. 6; Serial No. 520,928, published Oct. 14, 1947. Class 28.

Bernstein, Emanuel, New York, N. Y. Infants', girls', juniors', misses', and women's coats, suits, and sportswear. 435,662, Jan. 6; Serial No. 510,998, published Sept. 16, 1947. Class 39.

Birmingham Tank Company, The, to The Ingalls Iron Works Company, Birmingham, Ala. Steel storage tanks. 227,941, renewed May 17, 1947. O. G. Jan. 6. Class 2.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes and lipsticks. 435,648, Jan. 6; Serial No. 508,263, published Oct. 7, 1947. Class 6.

Bluestone, Isadore, doing business as Glo-Tint Cosmetic Company, Pittsburgh, Pa. Cream powder, face make-up, and leg make-up. 413,487, Apr. 24, 1945. Canceled Dec. 10, 1947. O. G. Jan. 6. Class 6.

Bogges, William A., doing business as The Zer-O-Zone Co., Fair Oaks, Calif. Frozen poultry. 435,632, Jan. 6; Serial No. 502,262, published May 27, 1947. Class 46.

Borden Company, The, New York, N. Y. Polyvinyl resin glue. 435,742, Jan. 6; Serial No. 519,508, published Sept. 9, 1947. Class 5.

Botany Worsteds Mills, Passaic, N. J. Lipsticks. 435,728, Jan. 6; Serial No. 517,769, published Oct. 7, 1947. Class 6.

Bownes, Frank, Company: See—
Bownes, Frank, Company, Inc.

Bownes, Frank, Company, Inc., Lynn, to Frank Bownes Company, Chelsea, Mass. Paints. 221,845, renewed Dec. 7, 1946. O. G. Jan. 6. Class 16.

Bowyer, Jack W., doing business as Scriptcraft, Santa Monica, Calif. Bracelets, brooches, lapel pins, etc. 435,768, Jan. 6; Serial No. 520,993, published Oct. 14, 1947. Class 28.

Boyle-Midway Inc., Jersey City, N. J. Insecticides. 435,639, Jan. 6; Serial No. 505,554, published Sept. 30, 1947. Class 6.

Bradshaw and Moore, Limited, Manchester, England, to Wawak Company, Inc., Chicago, Ill. Cotton piece goods. 201,990, renewed Aug. 11, 1945. O. G. Jan. 6. Class 42.

Brammer Manufacturing Co., assignor to Brammer Manufacturing Co., Davenport, Iowa. Kitchen cupboards and kitchen cabinets. 435,607, Jan. 6; Serial No. 492,176, published June 17, 1947. Class 32.

Brecht & Richter Company, Minneapolis, Minn. Non-alcoholic, maltless concentrates, syrups, and flavors. 232,017, renewed Aug. 30, 1947. O. G. Jan. 6. Class 45.

Briggs, George D., doing business as Briggs Reel Company, Providence, R. I. Fishing reels and artificial lures. 435,824-25, Jan. 6. Class 22.

Briggs Reel Company: See—
Briggs, George D.

Bush, James P., doing business as Bush & Long Potato Chip Co., El Paso, Tex. Corn chips. 435,687, Jan. 6; Serial No. 515,067, published Sept. 16, 1947. Class 46.

Bush & Long Potato Chip Co.: See—
Bush, James P.

Burton, Parsons & Co., Washington, D. C. Preparation for use in the treatment of constipation. 435,737, Jan. 6; Serial No. 519,169, published Oct. 14, 1947. Class 6.

Byers, Lillian, Colorado Springs, Colo. Candies and sugared and salted nuts. 435,805, Jan. 6. Class 46.

Calgon, Inc., Pittsburgh, Pa. Detergent. 435,631, Jan. 6; Serial No. 501,900, published Sept. 30, 1947. Class 4.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 435,710, Jan. 6; Serial No. 518,812, published Oct. 14, 1947. Class 6.

Callaway Mills, La Grange, Ga. Braided rugs. 435,785, Jan. 6; Serial No. 522,904, published Oct. 7, 1947. Class 42.

Calresin Corporation, assignee: See—
Wilson, Leslie C.

Caltone Corporation, Anaheim, Calif. Canned and bottled grapefruit juice, orange juice, etc. 435,795, Jan. 6. Class 46.

Cameo, Inc., Toledo, Ohio. Liquid detergent. 435,778, Jan. 6; Serial No. 522,075, published Sept. 30, 1947. Class 42.

Cannon Mills Company, Kannapolis, N. C. Towels. 435,786, Jan. 6; Serial No. 523,366, published Oct. 7, 1947. Class 42.

Carnac, Inc., New York, N. Y. Rayon piece goods. 435,643, Jan. 6; Serial No. 506,090, published Sept. 30, 1947. Class 42.

Carroll, George W., doing business as Zipp-Reme Chemical Works, Greensburg, Pa. Upholstery, carpet and paint cleaner. 435,730, Jan. 6; Serial No. 518,063, published Oct. 14, 1947. Class 4.

Carski, Theodore J., doing business as Baltimore Biological Laboratory, Baltimore, Md. Powders for promoting growth of bacteria and micro-organisms; powders of enzymic digests of plant materials, etc. 435,836-7, Jan. 6; Serial Nos. 504,474-5, published Sept. 30, 1947. Class 6.

Cavalcade Industries, Inc., Chicago, Ill. Radio receiving sets and electrical phonograph pick-ups. 435,606; Jan. 6; Serial 491,397, published June 4, 1946. Class 21.

Celanese Corporation of America, New York, N. Y. Piece goods made of cellulose acetate type yarns alone and in admixture with cotton, wool, silk, or rayon. 435,602, Jan. 6; Serial No. 484,934, published Oct. 7, 1947. Class 42.

Centrifugal Casting Company: See—
Pessell, Yak.

Champlain Company, Inc., Bloomfield, N. J. Electrical apparatus. 435,722, Jan. 6; Serial No. 517,454, published Sept. 30, 1947. Class 21.

Chapin & Robbins, Inc., Palm Beach, Fla. Nontoxic chemical formula. 435,814, Jan. 6. Class 6.

Chesney, Eric J. C. S. St. J., Timberley, England. Radio receiving apparatus. 435,641, Jan. 6; Serial No. 505,801, published Sept. 30, 1947. Class 21.

Cincinnati Truss Company, The, Cincinnati, Ohio. Suspensories. 435,787, Jan. 6; Serial No. 523,370, published Oct. 7, 1947. Class 44.

Clark Paper & Manufacturing Co., by Clark Stek-O Corporation, Rochester, N. Y. Paste in powder form. 57,497, Nov. 13, 1906; republished Jan. 6. Class 5.

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Clark Stek-O Corporation: See—
Clark Paper & Manufacturing Co.

Clark Thread Company, The, Newark, N. J., to The Clark Thread Company, Clarkdale, Ga. Crochet cotton. 162,632, renewed Jan. 5, 1948. O. G. Jan. 6. Class 43.

Clay Products Company, Incorporated, to Arketex Ceramic Corporation, Brazil, Ind. Tiles. 226,956, renewed Apr. 26, 1947. O. G. Jan. 6. Class 12.

Cleveland Bait Manufacturing Company: See—
Liotta, Ernest, Sr.

Cleveland Cleaner and Paste Co., The, Cleveland, Ohio. Wall-paper cleaner. 236,170, renewed Dec. 6, 1947. O. G. Jan. 6. Class 4.

Cleveland Cleaner and Paste Co., The, Cleveland, Ohio. Wall-paper cleaner. 237,176, renewed Jan. 3, 1948. O. G. Jan. 6. Class 4.

Clorox Chemical Co., Oakland, Calif. Liquid preparation for general cleaning purposes. 435,781, Jan. 6; Serial No. 522,244, published Sept. 30, 1947. Class 4.

Clow, James B., & Sons, Chicago, Ill. Catalogs, price-lists, and other publications. 113,866, Nov. 7. Republished Jan. 6. Class 38.

Colgate & Company, Jersey City, N. J., and New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving soap. 175,282, renewed Jan. 5, 1948. O. G. Jan. 6. Class 4.

Colgate-Palmolive-Peet Company: See—
Colgate & Company.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving soap. 435,782, Jan. 6; Serial No. 522,438, published Sept. 30, 1947. Class 4.

Collins, Hal, Company, Dallas, Tex. Hair dressing. 435,711, Jan. 6; Serial No. 516,814, published Oct. 7, 1947. Class 6.

Collopy, E. A., Milpitas, Calif. Fresh vegetables. 435,823, Jan. 6. Class 46.

Columbia Industries, Long Island City, N. Y. Door saddles. 435,806, Jan. 6. Class 12.

Columbus Manufacturing Company, Columbus, Ga. Cotton sheetings. 235,052, renewed Nov. 8, 1947. O. G. Jan. 6. Class 42.

Concordia-Gallia Corporation, New York, N. Y. Textile fabrics in the piece. 435,784, Jan. 6; Serial No. 522,772, published Oct. 7, 1947. Class 42.

Concrete Products and Material Co., Inc., Omaha, Neb. Sewer pipes. 435,773, Jan. 6; Serial No. 521,654, published Oct. 14, 1947. Class 12.

Condensed Bluing Company, by The John Paul Products Company, Chicago, Ill. Bluing compound. 161,680, Jan. 5, 1915. Republished Jan. 6. Class 6.

Connoisseurs Gift Shop, Inc., Boston, Mass. Silver polish. 435,844, Jan. 6; Serial No. 506,157, published Sept. 30, 1947. Class 4.

Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, lipstick, etc. 435,752, Jan. 6; Serial No. 520,093, published Oct. 7, 1947. Class 6.

Consolidated Steel Strapping Company: See—
Signode System, Inc.

Cramer Chemical Company, The, Gardner, Kans. Analgesic balm and ointment preparation. 435,712, Jan. 6; Serial No. 516,822, published Oct. 14, 1947. Class 6.

Crest Fabrics Corp., New York, N. Y. Textile fabric in the piece. 435,783, Jan. 6; Serial No. 522,551, published Oct. 7, 1947. Class 42.

Crown Laboratories: See—
Schmidt, O. S.

Daumit, Kay, Inc., Chicago, Ill. Shampoo and hair dressing. 435,750, Jan. 6; Serial No. 520,041, published Oct. 14, 1947. Class 6.

Dehn & Co., Inc., assignee: See—
Kehn, Karl.

Dehn, Karl, doing business as Norland Packing Co., assignor to Dehn & Co., Inc., Seattle, Wash. Canned salmon. 435,591, Jan. 6; Serial No. 466,668, published Sept. 23, 1947. Class 46.

Deming & Gould Co., Chicago, Ill., and South Bellingham, Wash., to Pacific American Fisheries, Inc., South Bellingham, Wash. Canned fruits and vegetables. 226,489, renewed Apr. 12, 1947. O. G. Jan. 6. Class 46.

Dermetics, Inc., Seattle, Wash., and New York, N. Y. Scrapers made of metal or non-metallic substances and to be applied to the tongue. 435,774, Jan. 6; Serial No. 521,645, published Oct. 7, 1947. Class 44.

Dow Corning Corporation Midland, Mich. Thermosetting liquid cement. 435,649, Jan. 6; Serial No. 508,583, published Sept. 9, 1947. Class 5.

Dow Corning Corporation, Midland, Mich. Compositions in the form of solutions. 435,650, Jan. 6; Serial No. 508,586, published Oct. 14, 1947. Class 4.

Duluth-Superior Milling Company, Duluth, Minn., and New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat-flour. 117,533, July 17, 1917. Republished Jan. 6. Class 46.

Duorite Plastic Industries: See—
Wilson, Leslie C.

Dur-O-Lite Pencil Company, Chicago, Ill., to Dur-O-Lite Pencil Company, Melrose Park, Ill. Refillable pencils and leads therefor. 227,030, renewed Apr. 26, 1947. O. G. Jan. 6. Class 37.

Duro-Test Corporation, North Bergen, N. J., and elsewhere. Incandescent lamps. 419,347, Feb. 12, 1946. Canceled Dec. 8, 1947. O. G. Jan. 6. Class 21.

Echlin Manufacturing Company, New Haven, Conn. Automotive electrical parts. 435,645, Jan. 6; Serial No. 506,514, published Sept. 30, 1947. Class 21.

Eclipse-Pioneer Division: See—
Bendix Aviation Corporation.

Economy Fuse and Manufacturing Company: See—
Economy Fuse & Manufacturing Company.

Economy Fuse & Manufacturing Company, by Economy Fuse and Manufacturing Company, Chicago, Ill. Safety fuses for electric circuits. 101,568, Dec. 29, 1914. Republished Jan. 6. Class 21.

Edison Storage Battery Company, to Thomas A. Edison, Incorporated, West Orange, N. J. Storage batteries. 237,380, renewed Jan. 10, 1948. O. G. Jan. 6. Class 21.

Edison, Thomas A., Incorporated: See—
Edison Storage Battery Company.

Edwards, Frederick W., New York, N. Y. Mattresses. 435,677, Jan. 6; Serial No. 513,239, published Sept. 9, 1947. Class 32.

Eichelberger, James K., Austin, Tex. Prefabricated buildings of the panel construction type of the panel construction and building units. 435,794, Jan. 6. Class 12.

Elastrator Company: See—
Wilson, James F.

Electromaster, Inc., Detroit, Mich. Electric timers. 435,655, Jan. 6; Serial No. 509,929, published Sept. 30, 1947. Class 21.

Engelhardt, A. L., Company, Los Angeles, Calif. Powder for cleaning dental gold castings and dentures. 435,658, Jan. 6; Serial No. 510,244, published Oct. 7, 1947. Class 4.

Faber, A. W., Inc.: See—
von Faber-Castell, Count Alexander.

Faber, A. W., Inc., to A. W. Faber-Castell Pencil Co., Inc., of Newark, N. J. Pencils. 232,330, renewed Sept. 6, 1947. O. G. Jan. 6. Class 37.

Faber-Castell, A. W., Pencil Co., Inc.: See—
Faber, A. W., Inc.

Fallbrook Citrus Association, The: See—
Fallbrook Citrus Association.

Fallbrook Citrus Association, also doing business as The Fallbrook Citrus Association, Fallbrook, Calif. Fresh citrus fruits. 435,826, Jan. 6. Class 46.

Falstaff Brewing Corporation: See—
Lemp, Wm. J., Brewing Co.

Faries Manufacturing Company, Decatur, Ill. Electric desk lamps. 435,735, Jan. 6; Serial No. 518,881, published Oct. 14, 1947. Class 21.

Federal Telephone and Radio Corporation, Newark, N. J. Electrical apparatus. 435,595-6, Jan. 6; Serial No. 475,422-3, published Sept. 30, 1947. Class 21.

Floor Coverings, Inc., New York, N. Y. Plastic rubber composition. 435,685, Jan. 6; Serial No. 514,948, published Oct. 14, 1947. Class 4.

Florida Citrus Commission, Lakeland, Fla. Canned orange juice, canned grapefruit juice, canned blended orange-grapefruit juice, etc. 435,693, Jan. 6; Serial No. 515,494, published Oct. 14, 1947. Class 46.

Florin Fine Arts Products, Baltimore, Md. Picture frames. 435,804, Jan. 6. Class 32.

Flotill Products, Incorporated, Stockton, Calif. Canned fruits, canned vegetables and canned tomato paste. 435,725, Jan. 6; Serial No. 517,629, published Sept. 23, 1947. Class 46.

Foreman Fabrics Corp., New York, N. Y. Woven textile fabrics. 435,646, Jan. 6; Serial No. 507,388, published Sept. 30, 1947. Class 42.

Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Lactation tonic. 435,627, Jan. 6; Serial No. 499,999, published Sept. 30, 1947. Class 6.

Fowler Packing Co., Portland, Maine, and Kansas City, Kans., by Armour and Company, Chicago, Ill. Medicinal preparation. 117,657, July 24, 1917. Republished Jan. 6. Class 6.

Fowler-Union Company, The, Hartford, Conn. Hack saw blades. 435,808, Jan. 6. Class 23.

Frank, Richard, & Co., Inc., assignor, by mesne assignments to Airline Foods Corporation, New York, N. Y. Vanilla flavoring powder. 435,673, Jan. 6; Serial No. 512,863, published Sept. 16, 1947. Class 46.

Franklin Research Company, Philadelphia, Pa. Printing papers. 435,647, Jan. 6; Serial No. 508,107, published Sept. 30, 1947. Class 37.

Franklin Sugar Refining Co., The, Philadelphia, Pa. Confectioners' sugar. 107,706, Dec. 21, 1915. Republished Jan. 6. Class 46.

Freeport Sash & Door Co.: See—
McLean, Alvin.

Friedman & Distillator, to Friedman & Distillator, Inc., New York, N. Y. Chiffons, mailines, ribbons, and velvets. 66,740, re-renewed Dec. 24, 1947. O. G. Jan. 6. Class 42.

Friedman & Distillator, Inc.: See—
Friedman & Distillator.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 435,745, Jan. 6; Serial No. 519,807, published Sept. 30, 1947. Class 42.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 435,813, Jan. 6. Class 42.

G and H Manufacturing Co., Philadelphia, Pa. Plumbing specialties. 435,801, Jan. 6. Class 13.

Geler Mattress Co., The, Rossmoyne, Ohio. Mattresses. 435,683, Jan. 6; Serial No. 514,650, published Oct. 7, 1947. Class 32.

Gelgy Company, Inc., New York, N. Y. Insecticides. 435,726, Jan. 6; Serial No. 517, 718, published Sept. 30, 1947. Class 6.

General Biochemicals, Inc., Chagrin Falls, Ohio. Ice cream stabilizer. 435,790, Jan. 6; Serial No. 524,395, published Sept. 16, 1947. Class 46.

General Norit Company, Limited: See—
Maatschappij, N. V. Algemeene Norit.

General Petroleum Corporation: See—
Gilmore Oil Company.

General Tire and Rubber Company, Akron, Ohio. Rubber tires and tire casings, and inner tubes. 114,963, Jan. 16, 1917. Republished Jan. 6. Class 35.

General Tire & Rubber Company, The, Akron, Ohio. Rubber tires or tire casings and inner tubes. 115,605, Feb. 27, 1917. Republished Jan. 6. Class 35.

Gielow, J. J., & Sons, Highland Park, Mich., assignor to J. J. Gielow & Sons, to J. J. Gielow & Sons, Inc., Detroit, Mich. Horse-radish, pickles, sweet pepper, relish, etc. 236,761, renewed Dec. 20, 1947. O. G. Jan. 6. Class 46.

Gielow, J. J., & Sons, Inc.: See—
Gielow, J. J., & Sons.

Gilmore Oil Company, to General Petroleum Corporation, Los Angeles, Calif. Gasoline, kerosene, lubricating oil, etc. 235,151, renewed Nov. 15, 1947. O. G. Jan. 6. Class 15.

Globe Parlor Furniture Co., High Point, N. C. Furniture. 435,659, Jan. 6; Serial No. 510,585, published Oct. 7, 1947. Class 32.

Glo-Tint Cosmetic Company: See—
Bluestone, Isadore.

Goodell Company, Antrim, N. H. Cutlery. 435,816-17, Jan. 6. Class 23.

Goodman & Theise Inc., New York, N. Y. Fabrics in the piece. 435,793, Jan. 6. Class 42.

Greenfield Machine Company, by Greenfield Tap and Die Corporation, Greenfield, Mass. Grinding machines. 102,093, Jan. 26, 1915. Republished Jan. 6. Class 23.

Greenfield Tap and Die Corporation: See—
Greenfield Machine Company.

Greenfield Tap & Die Corporation, Greenfield, Mass. Screw-cutting dies. 102,788, Feb. 23, 1915. Republished Jan. 6. Class 23.

Greenfield Tap and Die Corporation, Greenfield, Mass. Bit-brace tools, bolt-cutters, buttresses, etc. 110,539, May 30, 1916. Republished Jan. 6. Class 23.

Greenfield Tap and Die Corporation, Greenfield, Mass. Gauges and micrometers. 114,882, Jan. 9, 1917. Republished Jan. 6. Class 26.

Greenfield Tap and Die Corporation, Greenfield, Mass. Internal-grinding machines. 238,070, renewed Jan. 24, 1948. O. G. Jan. 6. Class 23.

Guerlain, Inc., New York, N. Y. Perfumes, toilet waters, face powder, etc. 435,642, Jan. 6; Serial No. 505,823, published Sept. 30, 1947. Class 6.

Guth, Gustave, New York, N. Y. Cigars. 435,653, Jan. 6; Serial No. 509,654, published Oct. 7, 1947. Class 17.

Haloid Company, The, Rochester, N. Y. Sensitized photographic developing papers. 238,161, renewed Jan. 31, 1948. O. G. Jan. 6. Class 26.

Hall, Hartwell & Co., Inc., Troy, N. Y. to The Hallmark Shirt Co., Inc., New York, N. Y. Collars, and dress, negligee, and work shirts. 231,075, renewed Aug. 9, 1947. O. G. Jan. 6. Class 39.

Hallmark Shirt Co., Inc., The: See—
Hall, Hartwell & Co., Inc.

Ham-R-Hed, St. Louis, Mo. Golf clubs. 435,800, Jan. 6. Class 22.

Hardesty Chemical Co., Inc., New York, N. Y. Synthetic detergent. 435,769, Jan. 6; Serial No. 521,011, published Sept. 30, 1947. Class 4.

Harry and David, doing business as Bear Creek Orchards, Medford, Ore. Fresh fruits. 435,635, Jan. 6; Serial No. 504,179, published Sept. 23, 1947. Class 46.

Harsch, C. L., doing business as Har-Worth Manufacturing Co., Portland, Ore. Electric welding apparatus. 435,732, Jan. 6; Serial No. 518,354, published Sept. 30, 1947. Class 21.

Hartmann Company: See—
Hartmann Trunk Company.

Hartmann Trunk Company, to Hartmann Company, Racine, Wis. Wardrobe suitcases. 236,270, renewed Dec. 6, 1947. O. G. Jan. 6. Class 3.

Har-Worth Manufacturing Co.: See—
Harsch, C. L.

Henderson, J. L., & Co.: See—
Henderson, John L.

Henderson, John L., doing business as J. L. Henderson & Co., San Francisco, Calif. Canned vegetables, canned fruits, canned fish, etc. 435,624, Jan. 6; Serial No. 499,495, published Sept. 23, 1947. Class 46.

Herrick, S. & R., San Jose, Calif. Live canaries. 435,656, Jan. 6; Serial No. 510,000, published Oct. 14, 1947. Class 1.

Herron Bros. & Meyer, New York, N. Y. Wax. 435,714, Jan. 6; Serial No. 516,985, published Oct. 14, 1947. Class 6.

Hewitt Soap Company, Inc., The: See—
Kirk, James S., & Company.

Hexoncin, Inc., Beverly, Mass. Preparation for treating the scalp. 435,702-3, Jan. 6; Serial Nos. 516,187-8, published Oct. 7, 1947. Class 6.

Hostess Products Corp., New York, N. Y., to Hostess Products Corp., Long Island City, N. Y. Mayonnaise and Russian dressing. 232,099, renewed Aug. 30, 1947. O. G. Jan. 6. Class 46.

Hovden Food Products Corporation: See—
Neptune Sea Food Company.

Hudnut, Richard, New York, N. Y. Perfume. 435,716, Jan. 6; Serial No. 517,134, published Sept. 2, 1947. Class 6.

Hudson American Corporation, New York, N. Y. Broadcasting and short-wave radio receivers and parts thereof. 435,757, Jan. 6; Serial No. 520,393, published Oct. 14, 1947. Class 21.

Huntington Laboratories, Inc., Huntington, Ind. Powdered cleanser. 435,763, Jan. 6; Serial No. 520,709, published Oct. 7, 1947. Class 4.

Illinois Iron & Bolt Co., Carpentersville, Ill. Steel warehouse trucks. 87,342, July 9, 1912. Republished Jan. 6. Class 19.

Imperial Coal Corporation, New York, N. Y. Coal. 435,684, Jan. 6; Serial No. 514,707, published Oct. 14, 1947. Class 1.

Inderrieden Canning Co., by The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 103,240, Mar. 23, 1915. Republished Jan. 6. Class 46.

Inderrieden, J. B. Co., The: See—
Inderrieden Canning Co.

Ingalls Iron Works Company, The: See—
Birmingham Tank Company, The.

Interchemical Corporation, New York, N. Y. Resin suitable for incorporating in paints and lacquers, etc. 435,713, Jan. 6; Serial No. 516,902, published Sept. 30, 1947. Class 1.

International Brotherhood of Electrical Workers, Washington, D. C. Metal parts for fluorescent lighting fixtures. 435,605, Jan. 6; Serial No. 491,326, published Mar. 18, 1947. Class 21.

International Harvester Company: See—
International Harvester Company of New Jersey.

International Harvester Company of New Jersey, by International Harvester Company, Chicago, Ill. Rope, cord, twine, etc. 106,973-5, Nov. 9, 1915. Republished Jan. 6. Class 7.

International Minerals and Chemical Corporation, Chicago, Ill. Food savoring powders. 435,707, Jan. 6; Serial No. 516,611, published Sept. 23, 1947. Class 46.

International Vitamin Corporation, New York, N. Y., now by change of name Ives-Cameron Company, Inc. Multiple vitamins. 435,761, Jan. 6; Serial No. 520,626, published Oct. 14, 1947. Class 6.

International Vitamin Corporation, New York, N. Y., now by change of name Ives-Cameron Company, Inc. Multiple vitamins and phenobarbital. 435,762, Jan. 6; Serial No. 520,627, published Oct. 14, 1947. Class 6.

Itkind, Joseph, Brooklyn, N. Y. Combination calendar and memorandum pad. 435,690, Jan. 6; Serial No. 516,428, published Sept. 30, 1947. Class 37.

Ives-Cameron Company, Inc.: See—
International Vitamin Corporation.

Jackman Cigar Mfg. Co., Detroit, Mich. Cigars. 435,612-14, Jan. 6; Serial Nos. 494,404-6, published Oct. 7, 1947. Class 17.

Jorinda, Inc.: See—
Levy, S. Harold, Inc.

Kansas Milling Company, The, Wichita, Kans. Animal and poultry foods. 435,593, Jan. 6; Serial No. 467,197, published Oct. 7, 1947. Class 46.

Kargard Boat and Engine Company, Marinette, Wis. Centerboard sloops or sailboats. 435,740, Jan. 6; Serial No. 519,398, published Oct. 14, 1947. Class 19.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 435,599, Jan. 6; Serial No. 482,428, published July 31, 1945. Class 37.

Kaufman, Jack L., Inc., New York, N. Y. Finger rings. 435,770, Jan. 6; Serial No. 521,136, published Oct. 14, 1947. Class 28.

Kellogg, P. P., & Co.: See—
United States Envelope Company.

Kemper, Merle E., doing business as Merle E. Kemper Company, Kansas City, Mo. Concrete forms, concrete form ties, concrete form clamps, etc. 435,743, Jan. 6; Serial No. 519,667, published Sept. 16, 1947. Class 12.

Kemper, Merle E., Company: See—
Kemper, Merle E.

Kendall Company, The, Walpole, Mass. Pressure sensitive adhesive tape. 435,666, Jan. 6; Serial No. 511,527, published Sept. 9, 1947. Class 5.

Kessler-Feldman-Meyer Company, assignor to Vanguard Chemical Corp., St. Louis, Mo. Shoe polish. 435,772, Jan. 6; Serial No. 521,579, published Sept. 30, 1947. Class 4.

Kessling, E., Thermometer Co., Inc., Brooklyn, N. Y. Clinical thermometers, hypodermic needles, and glass syringes. 435,718, Jan. 6; Serial No. 517,192, published Oct. 7, 1947. Class 44.

Keystone View Company, Meadville, Pa. Stereoscopes. 435,815, Jan. 6. Class 26.

Kingsley Fabrics Inc.: See—
Stein, S., & Co.

Kirk, James S., & Company, Chicago, Ill., by The Hewitt Soap Company, Inc., Dayton, Ohio. Soap. 118,202, Aug. 21, 1917. Republished Jan. 6. Class 4.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields and slip-over garment shields. 237,880, renewed Jan. 17, 1948. O. G. Jan. 6. Class 40.

Knellsville Pea Canning Company, Port Washington, Wis. Canned combination of vegetables. 435,701, Jan. 6; Serial No. 516,140, published Sept. 23, 1947. Class 46.

Knitted Padding Company, Canton, Mass. Unspun cotton fiber. 104,801, June 15, 1915. Republished Jan. 6. Class 1.

Kraft Walker Cheese Company Proprietary Limited, South Melbourne, Victoria, Australia. Yeast extract. 435,592, Jan. 6. Class 46.

Krom, William, Mahwah, N. J. Cream preparation for the treatment of eczema. 435,682, Jan. 6; Serial No. 514,047, published Oct. 14, 1947. Class 6.

Lactona Incorporated, St. Paul, Minn. Hair brushes and hair brush handles. 435,733, Jan. 6; Serial No. 518,416, published Sept. 30, 1947. Class 29.

Lander Co., Inc., The, New York, N. Y. Soaps and shaving cream. 435,739, Jan. 6; Serial No. 519,340, published Sept. 30, 1947. Class 4.

Lauber & Lauber Co., Chicago, Ill., to Allied Drug Products Company, Chattanooga, Tenn. Medicinal preparation. 228,579, renewed June 7, 1947. O. G. Jan. 6. Class 6.

Laucks, I. F., Inc., to Monsanto Chemical Company, Seattle, Wash. Plastic wall or floor coating. 228,554, renewed June 7, 1947. O. G. Jan. 6. Class 12.

Lazzaretto, John M.: See—
Schmidt, O. S.

Lemp, Wm. J., Brewing Co., by Falstaff Brewing Corporation, St. Louis, Mo. Beer. 37,901, Mar. 4, 1902. Republished Jan. 6. Class 48.

Le Page's, Inc.: See—
Russia Cement Company.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 435,616, Jan. 6; Serial No. 495,061, published Oct. 7, 1947. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 435,617, Jan. 6; Serial No. 495,074, published Oct. 7, 1947. Class 4.

Levy, S. Harold, Inc., New York, N. Y., now by change of name Jorinda, Inc. Apparel for children and girls. 435,633, Jan. 6; Serial No. 503,655, published Aug. 19, 1947. Class 39.

Levy, S. Harold, Inc., New York, N. Y., now by change of name Jorinda, Inc. Children's apparel. 435,667, Jan. 6; Serial No. 512,182, published Aug. 12, 1947. Class 39.

Lincoln Manufacturing Co., The: See—
Steinberg, Maurice A.

Linde Air Products Company, The, New York, N. Y. Synthetic corundum, and synthetic spinel. 435,600, Jan. 6; Serial No. 484,847, published Sept. 30, 1947. Class 1.

Liotta, Ernest, Sr., doing business as Cleveland Bait Manufacturing Company, Eriesside, Ohio. Artificial fish bait or fish lures. 435,820, Jan. 6. Class 22.

Loft Candy Corporation, Long Island City, N. Y. Candy. 435,723, Jan. 6; Serial No. 517,496, published Sept. 16, 1947. Class 46.

Luytjes Pharmacal Company, St. Louis, Mo. General tonic. 435,734, Jan. 6; Serial No. 518,769, published Oct. 14, 1947. Class 6.

Maatschappij, N. V. Algemeene Norit, doing business as General Norit Company, Limited, Amsterdam, Netherlands, and Jacksonville, Fla. Active carbon, usually treated charred organic material. 435,640, Jan. 6; Serial No. 505,710, published Sept. 30, 1947. Class 6.

Manteca Canning Company, Manteca, Calif. Canned fruits. 435,695, Jan. 6; Serial No. 515,625, published Sept. 2, 1947. Class 46.

Martins Limited, London, England. Cigarettes, smoking tobacco, and cigars. 435,747, Jan. 6; Serial No. 511,027, published Oct. 21, 1947. Class 17.

Massa Laboratories, Inc., Cleveland, Ohio. Electro-acoustic and electro-mechanical transducers. 435,618, Jan. 6; Serial No. 495,081, published Oct. 7, 1947. Class 21.

McCoy, Clyde L., doing business as Pyro-Penn Products Company, San Jose, Calif. Radiator cleaner. 435,679, Jan. 6; Serial No. 513,669, published Oct. 14, 1947. Class 6.

McElveen, Charles C., doing business as The Pop Dog Company, Summit, Miss. Edible food product. 435,663, Jan. 6; Serial No. 511,099, published Sept. 23, 1947. Class 46.

McLean, Alvin, doing business as Freeport Sash & Door Co., Freeport, N. Y. Combined storm and window screen sashes, and prefabricated porches. 435,788, Jan. 6; Serial No. 523,527, published Oct. 7, 1947. Class 12.

Medar Co.: See—
Seiger, H. Wright.

Mega Corporation, Los Angeles, Calif. Animated electrical signs. 435,751, Jan. 6; Serial No. 520,049, published Oct. 14, 1947. Class 21.

Meier, Arthur G., Roanoke, Va. Flashlight cells. 435,622, Jan. 6; Serial No. 497,808, published Dec. 10, 1946. Class 21.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Black coating for dampproofing brick, stone, or terra-cotta walls. 237,068, renewed Jan. 3, 1948. O. G. Jan. 6. Class 12.

Metropolitan Refining Co., Inc., Long Island City and New York, N. Y. Composition for preventing and removing boiler incrustations. 435,748, Jan. 6; Serial No. 519,969, published Oct. 14, 1947. Class 6.

Metropolitan Watch Material Importing Company, New York, N. Y. Watch findings, watch movements, and parts thereof. 435,810, Jan. 6; Serial No. 493,563, published Oct. 14, 1947. Class 27.

Meyer-Mueller-Goodman Co., St. Louis, Mo. Neckties and cravats. 237,956, renewed Jan. 24, 1948. O. G. Jan. 6. Class 39.

Meyers, Louis, & Son, Inc., New York, N. Y. Leathers. 435,686, Jan. 6; Serial No. 514,979, published Sept. 30, 1947. Class 1.

Michael-Leonard Co., Sioux City, Iowa. Corn seed. 435,615, Jan. 6; Serial No. 494,756, published Oct. 14, 1947. Class 1.

Mido Societe Anonyme, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y. Watches, watch casings, and parts of watches. 435,802, Jan. 6. Class 27.

Mido Watch Company of America: See—
Mido Societe Anonyme.

Midwest Products Company: See—
Sandstrom, Robert V.

Millard Pen Co., Inc., New York, N. Y. Fountain pens, mechanical pencils, and desk writing sets. 435,688, Jan. 6; Serial No. 515,190, published Sept. 30, 1947. Class 37.

Monsanto Chemical Company: See—
Laucks, I. F., Inc.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 435,668, Jan. 6; Serial No. 512,193, published Sept. 2, 1947. Class 1.

Morgan Furniture Company, Asheville, N. C. Bedroom furniture. 435,651, Jan. 6; Serial No. 509,528, published Oct. 7, 1947. Class 32.

Multi Products Tool Company, Newark, N. J. Electric soldering irons. 435,634, Jan. 6; Serial No. 503,738, published Oct. 14, 1947. Class 21.

Murray Corporation, Towson, Md. Hose clamps. 435,799, Jan. 6. Class 13.

Mutual-Sunset Lamp Manufacturing Co., Inc., New York, N. Y. Electric portable lamps, floor lamps, desk lamps, etc. 435,760, Jan. 6; Serial No. 520,520, published Oct. 14, 1947. Class 21.

Naamloze Vennootschap Handelsvereniging Udolpho Wolfe Company: See—
Wolfe, Udolpho Company.

Nalbone, Charles, Trenton, N. J. Ceramic lamp bases for table lamps, commode lamps and vanity lamps, etc. 435,819, Jan. 6. Class 34.

National Building Materials Company: See—
Semones, Lee R.

National Drug Company, The, Philadelphia, Pa. Tablet containing digitoxin. 435,664, Jan. 6; Serial No. 511,174, published Oct. 7, 1947. Class 6.

National Snuff Company: See—
Waddell, Joseph K.

Native Laces & Textiles, Incorporated, New York, N. Y. Laces. 435,764, Jan. 6; Serial No. 520,886, published Oct. 7, 1947. Class 42.

Naz, John A., Construction Co., Cincinnati, Ohio. Storm sashes and storm windows. 435,738, Jan. 6; Serial No. 519,289, published Sept. 16, 1947. Class 12.

Neptune Sea Food Company, San Diego, Calif., to Hovden Food Products Corporation, Monterey, Calif. Canned fish. 198,963, renewed Jan. 5, 1948. O. G. Jan. 6. Class 46.

New England Concrete Pipe Corporation, Newton Upper Falls, Mass. Concrete pipe, concrete building units, concrete building blocks, etc. 435,630, Jan. 6; Serial No. 501,263, published Oct. 14, 1947. Class 12.

New York Furniture Exhibit Corp., New York, N. Y. Furniture. 435,811, Jan. 6. Class 32.

Norland Packing Co.: See—
Dehn, Karl.

Northrup, King & Co., Minneapolis, Minn. Seeds. 104,566, June 1, 1915. Republished Jan. 6. Class 1.

Northrup, King & Co., Minneapolis, Minn. Chick-meal. 107,631, Dec. 14, 1915. Republished Jan. 6. Class 46.

Nurserytype Products, Brooklyn, N. Y. Crib mattresses, pads for baby carriages, play pens, crib bumpers, etc. 435,660, Jan. 6; Serial No. 510,717, published Oct. 7, 1947. Class 32.

Ohio Truss Company, The, now by change of name Surgical Appliance Industries, Inc., Cincinnati, Ohio. Elastic supporters. 435,657, Jan. 6; Serial No. 510,103, published Oct. 7, 1947. Class 44.

Ohio Truss Company, The, Cincinnati, Ohio. Suspensories. 435,765-6, Jan. 6; Serial Nos. 520,889-90, published Oct. 14, 1947. Class 44.

Oil Well Supply Company, Pittsburgh, Pa., to Oil Well Supply Company, Dallas, Tex. Oil-well rigs, oil-well derricks, rig parts, etc. 144,139, renewed Jan. 5, 1948. O. G. Jan. 6. Class 23.

Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Cleaning, washing, and polishing compounds. 435,699, Jan. 6; Serial No. 515,962, published Oct. 7, 1947. Class 4.

Owen Canning Company, to Owen Canning Corporation, Owen, Wis. Canned peas. 209,209, renewed Feb. 16, 1946. O. G. Jan. 6. Class 46.

Owen Canning Corporation: See—
Owen Canning Company.

Pacific American Fisheries, Inc.: See—
Deming & Gould Co.

Pa-Poya Co., The, Miami, Fla. Non-alcoholic, maltless beverages. 290,284, Dec. 29, 1931. Canceled Dec. 10, 1947. O. G. Jan. 6. Class 45.

Parisian Handbag Co., Inc., New York, N. Y. Leathers. 435,727, Jan. 6; Serial No. 517,739, published Sept. 30, 1947. Class 1.

Parker House Sausage Co., Chicago, Ill. Sausage. 435,590, Jan. 6; Serial No. 465,547, published Sept. 23, 1947. Class 46.

Pepsol Chemical Company, to The Pepsol Company, Inc., Nashville, Tenn. Non-alcoholic carbonated beverage. 62,407, re-renewed May 7, 1947. O. G. Jan. 6. Class 45.

Pepsol Company, Inc.: See—
Pepsol Chemical Company.

Perfection Mattress & Spring Company, Birmingham, Ala. Bed springs and mattresses. 435,625, Jan. 6; Serial No. 499,649, published Sept. 9, 1947. Class 32.

Perma Kleen Co., San Francisco, Calif. Venetian blinds. 435,609, Jan. 6; Serial No. 493,399, published Oct. 7, 1947. Class 32.

Permanent Waving System Co., The, Chicago, Ill. Liquid composition for softening the hair. 256,868, May 28, 1929. Canceled Dec. 11, 1947. O. G. Jan. 6. Class 6.

Pessell, Yeak, doing business as Centrifugal Casting Company, New York, N. Y. Resinous thermo-plastic materials. 435,691, Jan. 6; Serial No. 515,447, published Oct. 14, 1947. Class 1.

Pharma-Craft Corporation, The, New York, N. Y. Germicidal soap. 435,729, Jan. 6; Serial No. 518,034, published Oct. 14, 1947. Class 4.

Photo-Era Publishing Co., Wolfeboro, N. H., to American Photographic Publishing Co., Boston, Mass. Monthly magazine. 232,920, renewed Sept. 20, 1947. O. G. Jan. 6. Class 38.

Pilot Products Company, Salt Lake City, Utah. Beauty preparations. 435,696, Jan. 6; Serial No. 515,632, published Oct. 14, 1947. Class 6.

Pioneer Soap Co., San Francisco, Calif. Bar soap. 435,597, Jan. 6; Serial No. 480,874, published Sept. 30, 1947. Class 4.

Pioneer Suspender Company, Philadelphia, Pa. Belts, armbands, and garters. 113,425, Oct. 17, 1916. Republished Jan. 6. Class 39.

Pioneer Suspender Company, Philadelphia, Pa. Suspenders, belts, and armbands. 114,075, Nov. 21, 1916. Republished Jan. 6. Class 39.

Pioneer Suspender Company, Philadelphia, Pa. Suspenders. 117,917, Aug. 7, 1917. Republished Jan. 6. Class 39.

Pop Dog Company, The: See—
McElveen, Charles C.

Postel, Leo D., doing business as Relino Products Company, Chicago, Ill. Lining for dental plates. 435,715, Jan. 6; Serial No. 517,090, published Oct. 7, 1947. Class 44.

Powell & Campbell, by Powell & Campbell, Inc., New York, N. Y. Leather, canvas, and fabric boots, shoes, slippers, and rubbers. 103,677, Apr. 13, 1915. Republished Jan. 6. Class 39.

Powell & Campbell, Inc.: See—
Powell & Campbell.

Pressing Supply Company, Philadelphia, Pa. Ironing board covers. 435,759, Jan. 6; Serial No. 520,468, published Oct. 7, 1947. Class 24.

Princess Pat, Ltd., Chicago, Ill. Lipstick, rouge, face powder, etc. 435,670, Jan. 6; Serial No. 512,608, published Oct. 7, 1947. Class 6.

Procter and Gamble Company, The, Cincinnati, Ohio. Soap. 109,126, Mar. 21, 1916. Republished Jan. 6. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Cooking fat. 114,822, Jan. 2, 1917. Republished Jan. 6. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Cooking fat. 117,704, July 24, 1917. Republished Jan. 6. Class 46.

Puhl, John, Products Company, The: See—
Condensed Bluing Company.

Pyclope, Inc., Jersey City, N. J. Gum-massaging attachments for toothbrushes. 435,789, Jan. 6; Serial No. 523,537, publication waived. Class 44.

Pyramid Fisheries Company, Inc., Seattle, Wash. Canned fish. 435,628, Jan. 6; Serial No. 500,322, published Sept. 23, 1947. Class 46.

Pyro-Penn Products Company: See—
McCoy, Clyde L.

Q-Tips, Inc., New York, N. Y. Swabs. 435,771, Jan. 6; Serial No. 521,532, published Oct. 7, 1947. Class 44.

Raniville, F., Company, to F. Raniville Company, Grand Rapids, Mich. Belting. 228,575, renewed Apr. 12, 1947. O. G. Jan. 6. Class 35.

Relino Products Company: See—
Postel, Leo D.

Rhodes, James H., & Company, Chicago, Ill. Industrial felts. 435,754, Jan. 6; Serial No. 520,181, published Sept. 9, 1947. Class 12.

Rhodes, William, Limited, Leeds, England. Mattresses, cushions, pillows, etc. 435,608, Jan. 6; Serial No. 492,223, published May 27, 1947. Class 32.

Rich-Land Canning Corporation, Friesland, Wis. Canned peas and canned corn. 435,717, Jan. 6; Serial No. 517,164, published Sept. 23, 1947. Class 46.

Rit Products Corporation, Chicago, Ill. Compound having anti-sparking, spot-removing, and dry-cleaning properties. 435,720, Jan. 6; Serial No. 517,381, published Sept. 30, 1947. Class 4.

Robbins Tire and Rubber Company, Inc., Tusculumbia, Ala. Inner tubes. 435,704, Jan. 6; Serial No. 518,436, published Sept. 30, 1947. Class 35.

Robbins Tire and Rubber Company, Inc., Tusculumbia, Ala. Inner tubes. 435,705, Jan. 6; Serial No. 518,437, published Oct. 7, 1947. Class 35.

Robbins Tire and Rubber Company, Inc., Tusculumbia, Ala. Inner tubes. 435,706, Jan. 6; Serial No. 518,442, published Sept. 30, 1947. Class 35.

Rockwood & Co., Brooklyn, N. Y. Chocolate confection pieces. 435,724, Jan. 6; Serial No. 470,347, published Oct. 21, 1947. Class 46.

Rosenfeld, Al, Inc., doing business as Suzanne, New York, N. Y. Perfume, toilet water, eau de cologne, etc. 435,681, Jan. 6; Serial No. 513,952, published Oct. 14, 1947. Class 6.

Rosenthal, Alex, doing business as Atlantic Food Packing Co., Trenton, N. J. Imitation lemon juice base for flavoring food products. 435,807, Jan. 6. Class 46.

Russia Cement Company, to Le Page's, Inc., Gloucester, Mass. Adhesive paste. 233,996, renewed Oct. 18, 1947. O. G. Jan. 6. Class 5.

St. George Textile Corporation, New York, N. Y. Corduroy rayon fabric in the piece. 435,604, Jan. 6; Serial No. 491,139, published Oct. 7, 1947. Class 42.

Saks & Company, New York, N. Y. Women's and misses' custom-made dresses, blouses, cloth and fur coats, etc. 435,654, Jan. 6; Serial No. 509,879, published Aug. 26, 1947. Class 39.

Salada Tea Company, Inc., The, Portland, Maine, and Boston, Mass. Tea. 118,557, May 8, 1917. Republished Jan. 6. Class 46.

Samson Cordage Works, Boston, Mass. Braided sash cord. 66,933, re-renewed Jan. 7, 1948. O. G. Jan. 6. Class 7.

Sandoz, Henry, & Fils, La Chaux de Fonds, Switzerland. Watches and watch movements. 435,818, Jan. 6. Class 27.

Sandstrom, Robert V., doing business as Midwest Products Company, Port Byron, Ill. Modified rubber resin base wall finish coating. 435,736, Jan. 6; Serial No. 518,982, published Sept. 9, 1947. Class 12.

Sauer, Leo A., doing business as V-O Manufacturing Co., Glendale, Calif. Soaps, compounds for cleaning rubber mats, glass cleaning compounds, etc. 435,601, Jan. 6; Serial No. 484,909, published Nov. 6, 1945. Class 4.

Schaffer, J., Electric Novelties, Inc., New York, N. Y. Electric lamps. 435,755, Jan. 6; Serial No. 520,236, published Oct. 14, 1947. Class 21.

Schenley Laboratories, Inc., New York, N. Y. Bacteriostatic substance. 435,779, Jan. 6; Serial No. 522,181, published Oct. 14, 1947. Class 6.

Schenley Laboratories, Inc., New York, N. Y. Bacteriostatic substance. 435,780, Jan. 6; Serial No. 522,183, published Oct. 14, 1947. Class 6.

Schmidt, A. O., Company: See—
Schmidt, O. S.

Schmidt, O. S., doing business as Crown Laboratories, to John M. Lazzaretto, doing business as A. O. Schmidt Company, San Francisco, Calif. Remedy for headache. 216,535, renewed Aug. 10, 1946. O. G. Jan. 6. Class 6.

Scientific Supply Co., Inc., Denver, Colo. Automobile cleaning compounds. 435,776, Jan. 6; Serial No. 521,756, published Sept. 30, 1947. Class 4.

Scott, Rufus W., Company, to Leroy Bartels, New York, N. Y. Hosiery. 236,644, renewed Feb. 14, 1948. O. G. Jan. 6. Class 39.

Scriptcraft: See—
Bowyer, Jack W.

Seguin Milling & Power Co., Seguin, Tex. Wheat-flour. 116,006, Mar. 27, 1917. Canceled Dec. 11, 1947. O. G. Jan. 6. Class 46.

Seguin Milling & Power Company, Seguin, Tex. Corn meal, scratch feed, developer scratch feed, etc. 302,333, Apr. 11, 1933. Canceled Dec. 11, 1947. O. G. Jan. 6. Class 46.

Seiger, H. Wright, doing business as Medar Co., Santa Monica, Calif. Electrical apparatus. 435,680, Jan. 6; Serial No. 513,777, published Sept. 30, 1947. Class 21.

Sellavision, Inc., Mansfield, Ohio. Mattresses. 435,809, Jan. 6. Class 32.

Semones, Lee R., doing business as National Building Materials Company, Tulsa, Okla.; M. S. Semones executrix of said Lee R. Semones. Heat insulating material. 435,798, Jan. 6. Class 12.

Semones, Maxine S., executrix: See—
Semones, Lee R.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin preparation. 435,792, Jan. 6; Serial No. 525,113, published Oct. 14, 1947. Class 6.

Shoe & Leather Reporter Co., Boston, Mass. Publication issued monthly. 234,203, renewed Oct. 18, 1947. O. G. Jan. 6. Class 38.

Shur-Go Corporation, Rochester, N. Y. Preparation composed mainly of salt and sawdust for treating road surfaces. 435,676, Jan. 6; Serial No. 513,218, published Oct. 7, 1947. Class 1.

Signode System, Inc., renewed to Consolidated Steel Strapping Company, Chicago, Ill. Stretching-tool. 116,691, May 15, 1917. Amended. O. G. Jan. 6. Class 23.

Signode System, Inc., renewed to Consolidated Steel Strapping Company, Chicago, Ill. Locks and safes. 116,862, May 29, 1917. Amended. O. G. Jan. 6. Class 25.

Signode System, Inc., renewed to Consolidated Steel Strapping Company, Chicago, Ill. Metal strapping for box-fastenings or the like. 116,863, May 29, 1917. Amended. O. G. Jan. 6. Class 13.

Simon, M. & D., Co., Cleveland, Ohio. Men's and boys' dress and sport shirts. 409,529, Oct. 10, 1944. Canceled Dec. 10, 1947. O. G. Jan. 6. Class 39.

Simoneau, J. W., & Sons and White Mountain Perfumers: See—
Simoneau, Joseph W.

Simoneau, Joseph W., doing business as J. W. Simoneau & Sons and White Mountain Perfumers, Nashua, N. H. Perfume. 435,775, Jan. 6; Serial No. 521,692, published Oct. 14, 1947. Class 6.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Insecticide. 435,669, Jan. 6; Serial No. 512,348, published Sept. 30, 1947. Class 6.

Southern California Plastic Company, Eagle Rock, Calif. Plastic applicators. 426,167, Dec. 17, 1946. Canceled Dec. 11, 1947. O. G. Jan. 6. Class 44.

Southwestern Milling Company, Inc., The, New York, N. Y., and Kansas City, Mo., by Standard Milling Company, Chicago, Ill. Wheat flour. 118,612, Sept. 18, 1917. Republished Jan. 6. Class 46.

Special Chemicals Co., The, Cleveland, Ohio. Liquid phenol formaldehyde resin. 435,626, Jan. 6; Serial No. 499,735, published Sept. 30, 1947. Class 1.

Spotlite Corporation, New York, N. Y. Compacts. 435,674, Jan. 6; Serial No. 512,869, published Sept. 30, 1947. Class 6.

Stanco Incorporated, New York, N. Y., and Wilmington, Del. Surface insecticide. 435,672, Jan. 6; Serial No. 512,719, published Oct. 7, 1947. Class 6.

Standard Milling Company: See—
Duluth-Superior Milling Company.

Southwestern Milling Company, Inc., The.

Stein, S., & Co., to Kingsley Fabrics Inc., New York, N. Y. Woolen goods in the piece and in cut lengths. 280,518, renewed July 26, 1947. O. G. Jan. 6. Class 42.

Steinam, A., Company, Inc., New York, N. Y. Piece goods of cotton, linen, rayon, or mixtures thereof. 435,812, Jan. 6. Class 42.

Steinberg, Maurice A., doing business as The Lincoln Manufacturing Co., Rankin, Pa. Washing fluid. 435,638, Jan. 6; Serial No. 504,519, published Sept. 30, 1947. Class 4.

Sterilek Company Incorporated, The, New York, N. Y. Sanitary napkins. 435,777, Jan. 6; Serial No. 521,940, published Oct. 7, 1947. Class 44.

Stont, Walter R., Merrick, N. Y. Heating equipment. 435,810, Jan. 6. Class 34.

Sun Oil Company, Philadelphia, Pa. Storage batteries, storage battery holders, storage battery cables, etc. 435,621, Jan. 6; Serial No. 496,849, published Sept. 30, 1947. Class 21.

Surgical Appliance Industries, Inc.: See—
Ohio Truss Company, The.

Suzanne: See—
Rosenfeld, Al, Inc.

Tai Hing Company, to Tai Hing Company, Honolulu, T. H. Coffee. 233,248, renewed Sept. 27, 1947. O. G. Jan. 6. Class 46.

Taxey, Samuel R., Chicago, Ill. Lumber. 435,808, Jan. 6. Class 12.

Terminal Barber Shops, Inc., New York, N. Y. Hair tonics. 233,388, renewed Sept. 27, 1947. O. G. Jan. 6. Class 6.

Terminal Barber Shops, Inc., New York, N. Y. Hair tonics. 233,349, renewed Sept. 27, 1947. O. G. Jan. 6. Class 6.

Topping, Joseph, doing business as Vibraloc Manufacturing Co., San Francisco, Calif. Acoustic devices. 435,629, Jan. 6; Serial No. 500,781, published Sept. 9, 1947. Class 82.

Tower, A. J., Company, by A. J. Tower Company (1926), Boston, Mass. Oiled clothing. 105,703; Aug. 10, 1915. Republished Jan. 6. Class 39.

Tower, A. J., Company (1926): See—
Tower, A. J., Company.

Trans-Plastic Inc., Chicago, Ill. Plastic vanity mirrors. 435,822, Jan. 6. Class 82.

Tremco Manufacturing Company, The, Cleveland, Ohio. Corrosion resistant liquid coating. 435,594, Jan. 6; Serial No. 471,291, published Oct. 31, 1944. Class 12.

Trumbull Electric Manufacturing Company, The, Plainville, Conn. Electrical apparatus. 435,598, Jan. 6; Serial No. 481,926, published Aug. 14, 1945. Class 21.

Tuckness, Marene, doing business as Bay-B-Trax Co., Denver, Colo. Packaged plaster of Paris. 435,671, Jan. 6; Serial No. 512,628, published Oct. 14, 1947. Class 1.

Turover, Isador S., Bethesda, Md. Construction materials. 435,678, Jan. 6; Serial No. 518,596, published May 18, 1947. Class 12.

Undertakers Supply Company, Chicago, Ill. Composition absorbent mineral dehydrant. 435,665, Jan. 6; Serial No. 511,861, published Oct. 14, 1947. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Union Fishermen's Co-Operative Packing Co., Astoria, Oreg. Canned salmon. 229,601, renewed July 5, 1947. O. G. Jan. 6. Class 46.
 United Dairy Company, The, Barnesville, Ohio. Canned evaporated milk. 435,731, Jan. 6; Serial No. 518,113, published Sept. 28, 1947. Class 46.
 United Lace & Braid Company: See—
 United Lace & Braid Manufacturing Company.
 United Lace & Braid Manufacturing Company, by United Lace & Braid Company, Cranston, R. I. Braids, shoe laces, galloons, etc. 104,820, June 15, 1915. Republished Jan. 6. Class 40.
 United States Envelope Company, doing business under the name and style of one of its divisions, P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. 435,611, Jan. 6; Serial No. 493,854, published Sept. 30, 1947. Class 37.
 V-O Manufacturing Co.: See—
 Sauer, Leo A.
 Vanguard Chemical Corp., assignee: See—
 Kessler-Feldman-Meyer Company.
 Vibracolor Manufacturing Co.: See—
 Topping, Joseph.
 Victoria-Vogue, Inc., New York, N. Y. Powder puffs. 435,758, Jan. 6; Serial No. 520,428, published Oct. 7, 1947. Class 29.
 Von Faber-Castell, Count Alexander, Stein, near Nuremberg, Germany, to A. W. Faber, Inc., Newark, N. J. Lead pencils, pencil holders, colored pencils, etc. 227,006, renewed Apr. 28, 1947. O. G. Jan. 6. Class 37.
 Wabash Manufacturing Company, Chicago, Ill. Hose. 435,821, Jan. 6. Class 35.
 Waddell, Joseph K., doing business as National Snuff Company, Memphis, Tenn. Snuff. 435,719, Jan. 6; Serial No. 517,275, published Sept. 30, 1947. Class 17.
 Waitt & Bond, Inc., Newark, N. J. Cigars. 435,749, Jan. 6; Serial No. 519,997, published Oct. 7, 1947. Class 17.
 Warwick Wax Co. Inc., New York, N. Y. Crude waxes derived from mineral sources. 435,620, Jan. 6; Serial No. 496,185, published Oct. 14, 1947. Class 1.
 Waterman, L. E., Company, New York, N. Y. Fountain pens and mechanical pencils and parts therefor. 435,698, Jan. 6; Serial No. 515,851, published Sept. 30, 1947. Class 37.
 Wawak Company, Inc.: See—
 Bradshaw and Moore, Limited.

White-Warner Co., The, Taunton, Mass. Heating stoves, ranges, furnaces, etc. 80,451, Dec. 20, 1910. Canceled Dec. 11, 1947. O. G. Jan. 6. Class 34.
 White Mountain Perfumers: See—
 Simoneau, Joseph W.
 Wilmak Corporation, Benton Harbor, Mich. Radio receiver. 435,753, Jan. 6; Serial No. 520,136, published Sept. 30, 1947. Class 21.
 Wilson, James F., doing business as Elastator Company, Davis, Calif. Instruments and rings for castrating and docking livestock. 435,697, Jan. 6; Serial No. 515,646, published Sept. 30, 1947. Class 44.
 Wilson Jones Company, Chicago, Ill. Posting trays for sheets used in machine bookkeeping. 435,619, Jan. 6; Serial No. 495,707, published Mar. 4, 1947. Class 32.
 Wilson, Leslie C., doing business as Duorite Plastic Industries, assignor to Calresin Corporation, Culver City, Calif. Sulfur. 435,603, Jan. 6; Serial No. 490,046, published Sept. 30, 1947. Class 1.
 Winterbottom Book Cloth Company Limited, The, Manchester, England. Trading cloth. 65,932, re-renewed Oct. 29, 1947. O. G. Jan. 6. Class 37.
 Wolf, Arthur E., Cleveland, Ohio. Acrylic denture processing tanks. 435,661, Jan. 6; Serial No. 510,747, published Oct. 7, 1947. Class 44.
 Wolfe, Udolpho, Company, New York, N. Y., to Naamloose Vennootschap Handelsvereniging Udolpho Wolfe Company, Rotterdam, Holland. Medicinal tonic and cordial. 53,062, re-renewed May 22, 1946. O. G. Jan. 6. Class 6.
 Wood, E. B., doing business as Wood Fruit Co., Atwater, Calif. Fresh deciduous fruits. 435,721, Jan. 6; Serial No. 517,394, published Sept. 23, 1947. Class 46.
 Wood Fruit Co.: See—
 Wood, E. B.
 Woodburn, King A., doing business as Woodburn Laboratories, assignor to Woodburn Laboratories, Jacksonville, Fla. Ointment. 435,675, Jan. 6; Serial No. 512,947, published Oct. 14, 1947. Class 6.
 Woodburn Laboratories, assignee: See—
 Woodburn, King A.
 Zenith Radio Corporation, Chicago, Ill. Electrical hearing aids and parts thereof. 435,791, Jan. 6; Serial No. 524,847, published Oct. 7, 1947. Class 44.
 Zer-O-Zone Co., The: See—
 Boggess, William A.
 Zipp-Reme Chemical Works: See—
 Carroll, George W.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Canaries, Live. S & R Herrick. 435,656, Jan. 6; Serial No. 510,000, published Oct. 14, 1947.
 Coal. Imperial Coal Corporation. 435,684, Jan. 6; Serial No. 514,707, published Oct. 14, 1947.
 Corundum, and synthetic spinel, Synthetic. Linde Air Products Company. 435,600, Jan. 6; Serial No. 484,847, published Sept. 30, 1947.
 Cotton fiber, Unspun. Knitted Padding Company. 104,801, June 15, 1915. Republished Jan. 6.
 Leathers. Louis Meyers & Son, Inc. 435,686, Jan. 6; Serial No. 514,979, published Sept. 30, 1947.
 Leathers. Parisian Handbag Co., Inc. 435,727, Jan. 6; Serial No. 517,739, published Sept. 30, 1947.
 Plaster of Paris, Packaged. M. Tuckness. 435,671, Jan. 6; Serial No. 512,628, published Oct. 14, 1947.
 Preparation composed mainly of salt and sawdust for treating road surfaces. Shur-Go Corporation. 435,676, Jan. 6; Serial No. 513,218, published Oct. 7, 1947.
 Resin, Liquid phenol formaldehyde. Special Chemicals Co. 435,626, Jan. 6; Serial No. 499,735, published Sept. 30, 1947.
 Resin suitable for incorporating in paints and lacquers, etc. Interchemical Corporation. 435,713, Jan. 6; Serial No. 516,902, published Sept. 30, 1947.
 Resinous thermo-plastic materials. Y. Pessell. 435,691, Jan. 6; Serial No. 515,447, published Oct. 14, 1947.
 Resins, Synthetic. Monsanto Chemical Company. 435,668, Jan. 6; Serial No. 512,193, published Sept. 2, 1947.
 Seed, Corn. Michael-Leonard Co. 435,615, Jan. 6; Serial No. 494,756, published Oct. 14, 1947.
 Seeds. Northrup, King & Co. 104,566, June 1, 1915. Republished Jan. 6.
 Sulfur. L. C. Wilson. 435,603, Jan. 6; Serial No. 490,046, published Sept. 30, 1947.
 Waxes derived from mineral sources, Crude. Warwick Wax Co. Inc. 435,620, Jan. 6; Serial No. 496,185, published Oct. 14, 1947.

CLASS 2

Tanks, Steel storage. Birmingham Tank Company. 227,941, renewed May 17, 1947. O. G. Jan. 6.

CLASS 3

Suitcases, Wardrobe. Hartmann Trunk Company. 236,270, renewed Dec. 6, 1947. O. G. Jan. 6.

CLASS 4

Cleaner, Powdered. Huntington Laboratories, Inc. 435,763, Jan. 6; Serial No. 520,709, published Oct. 7, 1947.
 Cleaner, Upholstery, carpet and paint. G. W. Carroll. 435,730, Jan. 6; Serial No. 518,063, published Oct. 14, 1947.
 Cleaner, Wall-paper. Cleveland Cleaner and Paste Co. 236,170, renewed Dec. 6, 1947. O. G. Jan. 6.
 Cleaner, Wall-paper. Cleveland Cleaner and Paste Co., The. 237,176, renewed Jan. 3, 1948. O. G. Jan. 6.
 Cleaning compounds, Automobile. Scientific Supply Co., Inc. 435,776, Jan. 6; Serial No. 521,756, published Sept. 30, 1947.
 Cleaning, washing and polishing compounds. Ofonite Chemical Company. 435,699, Jan. 6; Serial No. 515,962, published Oct. 7, 1947.
 Compositions in the form of solutions. Dow Corning Corporation. 435,650, Jan. 6; Serial No. 508,586, published Oct. 14, 1947.
 Compound having anti-sparking, spot-removing, and dry cleaning properties. Rit Products Corporation. 435,720, Jan. 6; Serial No. 517,381, published Sept. 30, 1947.
 Detergent. Calgon, Inc. 435,631, Jan. 6; Serial No. 501,900, published Sept. 30, 1947.
 Detergent, Liquid. Cameo, Inc. 435,778, Jan. 6; Serial No. 522,075, published Sept. 30, 1947.
 Detergent, Synthetic. Hardesty Chemical Co., Inc. 435,769, Jan. 6; Serial No. 521,011, published Sept. 30, 1947.
 Polish, Shoe. Kessler-Feldman-Meyer Company. 435,772, Jan. 6; Serial No. 521,579, published Sept. 30, 1947.
 Polish, Silver. Connoisseurs Gift Shop, Inc. 435,644, Jan. 6; Serial No. 506,157, published Sept. 30, 1947.
 Powder for cleaning dental gold castings and dentures. A. L. Engelhardt Company. 435,653, Jan. 6; Serial No. 510,244, published Oct. 7, 1947.
 Preparation for general cleaning purposes, Liquid. Clorox Chemical Co. 435,781, Jan. 6; Serial No. 522,244, published Sept. 30, 1947.
 Rubber composition, Plastic. Floor Coverings, Inc. 435,685, Jan. 6; Serial No. 514,948, published Oct. 14, 1947.
 Soap. Antoine De Paris, Inc. 435,741, Jan. 6; Serial No. 519,434, published Sept. 30, 1947.
 Soap. James S. Kirk & Company. 118,202, Aug. 21, 1917. Republished Jan. 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Soap. Procter and Gamble Company. 109,126, Mar. 21, 1916. Republished Jan. 6.
 Soap, Bar. Pioneer Soap Co. 435,597, Jan. 6; Serial No. 480,874, published Sept. 30, 1947.
 Soap, Germicidal. Pharma-Craft Corporation. 435,729, Jan. 6; Serial No. 518,034, published Oct. 14, 1947.
 Soap, Shaving. Colgate & Company. 175,282, renewed Jan. 5, 1948. O. G. Jan. 6.
 Soap, Shaving. Colgate-Palmolive-Peet Company. 435,782, Jan. 6; Serial No. 522,438, published Sept. 30, 1947.
 Soaps and shaving cream. Lander Co. Inc. 435,739, Jan. 6; Serial No. 519,340, published Sept. 30, 1947.
 Soaps, Compounds for cleaning rubber mats, glass cleaning compounds, etc. Leo A. Sauer. 435,601, Jan. 6; Serial No. 484,909, published Nov. 6, 1945.
 Soaps, Toilet. Les Parfumes de Dana, Inc. 435,616, Jan. 6; Serial No. 495,061, published Oct. 7, 1947.
 Soaps, Toilet. Les Parfumes de Dana, Inc. 435,617, Jan. 6; Serial No. 495,074, published Oct. 7, 1947.
 Washing fluid. M. A. Steinberg. 435,638, Jan. 6; Serial No. 504,519, published Sept. 30, 1947.

CLASS 5

Cement, Thermosetting liquid. Dow Corning Corporation. 435,649, Jan. 6; Serial No. 508,585, published Sept. 9, 1947.
 Glue, Polyvinyl resin. Borden Company. 435,742, Jan. 6; Serial No. 519,508, published Sept. 9, 1947.
 Paste, Adhesive. Russia Cement Company. 233,996, renewed Oct. 18, 1947. O. G. Jan. 6.
 Paste in powder form. Clark Paper & Manufacturing Co. 57,497, Nov. 13, 1906. Republished Jan. 6.
 Tape, Pressure sensitive adhesive. Kendall Company. 435,668, Jan. 6; Serial No. 511,527, published Sept. 9, 1947.

CLASS 6

Active carbon, usually treated charred organic material. N. V. A. N. Maatschappij. 435,640, Jan. 6; Serial No. 505,710, published Sept. 30, 1947.
 Analgesic balm and ointment preparation. Cramer Chemical Company. 435,712, Jan. 6; Serial No. 516,822, published Oct. 14, 1947.
 Bacteriostatic substance. Schenley Laboratories, Inc. 435,779, Jan. 6; Serial No. 522,181, published Oct. 14, 1947.
 Bacteriostatic substance. Schenley Laboratories, Inc. 435,780, Jan. 6; Serial No. 522,183, published Oct. 14, 1947.
 Beauty preparations. Pilot Products Company. 435,696, Jan. 6; Serial No. 515,832, published Oct. 14, 1947.
 Bluing compound. Condensed Bluing Company. 101,699, Jan. 5, 1915. Republished Jan. 6.
 Chemical formula, Nontoxic. Chapin & Robbins, Inc. 435,814, Jan. 6.
 Cholagogues and cholaretics. Ames Company, Inc. 435,692, Jan. 6; Serial No. 515,479, published Oct. 14, 1947.
 Cleaner, Radiator. C. L. McCoy. 435,679, Jan. 6; Serial No. 513,669, published Oct. 14, 1947.
 Compacts. Spotlite Corporation. 435,674, Jan. 6; Serial No. 512,869, published Sept. 30, 1947.
 Composition absorbent mineral dehydrant. Undertakers Supply Company. 435,665, Jan. 6; Serial No. 511,361, published Oct. 14, 1947.
 Composition for preventing and removing boiler incrustations. Metropolitan Refining Co., Inc. 435,748, Jan. 6; Serial No. 519,969, published Sept. 30, 1947.
 Cosmetic set. Avon Products, Inc. 435,744, Jan. 6; Serial No. 519,717, published Sept. 30, 1947.
 Cream preparation for the treatment of eczema. W. Krom. 435,682, Jan. 6; Serial No. 514,047, published Oct. 14, 1947.
 Hair dressing. Hal Collins Company. 435,711, Jan. 6; Serial No. 516,814, published Oct. 7, 1947.
 Insecticide. Socony-Vacuum Oil Company, Incorporated. 435,669, Jan. 6; Serial No. 512,348, published Sept. 30, 1947.
 Insecticide, Surface. Stanco Incorporated. 435,672, Jan. 6; Serial No. 512,719, published Oct. 7, 1947.
 Insecticides. Boyle-Midway Inc. 435,639, Jan. 6; Serial No. 505,554, published Sept. 30, 1947.
 Insecticides. Gelgy Company, Inc. 435,726, Jan. 6; Serial No. 517,718, published Sept. 30, 1947.
 Lactation tonic. Fort Dodge Laboratories, Inc. 435,627, Jan. 6; Serial No. 499,999, published Sept. 30, 1947.
 Lipstick, rouge, face powder, etc. Princess Pat, Ltd. 435,670, Jan. 6; Serial No. 512,606, published Oct. 7, 1947.
 Lipsticks. Botany Worsted Mills. 435,728, Jan. 6; Serial No. 517,769, published Oct. 7, 1947.
 Liquid composition for softening the hair. Permanent Waving System Co. 256,866, May 28, 1929. Canceled Dec. 11, 1947. O. G. Jan. 6.
 Medicinal preparation. Fowler Packing Co. 117,567, July 24, 1917. Republished Jan. 6.
 Medicinal preparation. Lauber & Lauber Co. 228,579, renewed June 7, 1947. O. G. Jan. 6.
 Medicinal tonic and cordial. Udolpho Wolfe Company. 53,062, re-renewed May 22, 1946. O. G. Jan. 6.
 Ointment. K. A. Woodburn. 435,675, Jan. 6; Serial No. 512,947, published Oct. 14, 1947.

Parasiticides. California Spray-Chemical Corporation. 435,710, Jan. 6; Serial No. 516,812, published Oct. 14, 1947.
 Perfume. R. Hudnut. 435,716, Jan. 6; Serial No. 517,134, published Sept. 2, 1947.
 Perfume. J. W. Simoneau. 435,775, Jan. 6; Serial No. 521,692, published Oct. 14, 1947.
 Perfume, cologne, lipstick, etc. Consolidated Cosmetics. 435,752, Jan. 6; Serial No. 520,093, published Oct. 7, 1947.
 Perfume, toilet water, eau de cologne, etc. Al Rosenfeld, Inc. 435,681, Jan. 6; Serial No. 513,952, published Oct. 14, 1947.
 Perfumes and lipsticks. Biro, Meyne & Biro, Inc. 435,648, Jan. 6; Serial No. 508,263, published Oct. 7, 1947.
 Perfumes, toilet waters, face powder, etc. Guerlain, Inc. 435,642, Jan. 6; Serial No. 505,823, published Sept. 30, 1947.
 Pharmaceutical preparation. Ayerst, McKenna & Harrison Limited. 435,694, Jan. 6; Serial No. 515,601, published Oct. 7, 1947.
 Poisons. Animal Trap Company of America. 435,623, Jan. 6; Serial No. 499,037, published Aug. 27, 1946.
 Powder, face make-up, and leg make-up. Cream. I. Blue-stone. 413,487, Apr. 24, 1945. Canceled Dec. 10, 1947. O. G. Jan. 6.
 Powders for promoting growth of bacteria and micro-organisms; powders of enzymic digests of plant materials, etc. T. J. Carski. 435,636-7, Jan. 6; Serial Nos. 504,474-5, published Sept. 30, 1947.
 Preparation for treating the scalp. Hexonidin, Inc. 435,702-3, Jan. 6; Serial Nos. 516,187-8, published Oct. 7, 1947.
 Preparation for use in the treatment of constipation. Barton, Parsons & Co. 435,737, Jan. 6; Serial No. 519,169, published Oct. 14, 1947.
 Remedy for headache. O. S. Schmidt. 216,535, renewed Aug. 10, 1946. O. G. Jan. 6.
 Shampoo and hair dressing. Kay Daumit, Inc. 435,750, Jan. 6; Serial No. 520,041, published Oct. 14, 1947.
 Tablet containing digitoxin. National Drug Company. 435,664, Jan. 6; Serial No. 511,174, published Oct. 7, 1947.
 Tonic, General. Luyties Pharmaceutical Company. 435,734, Jan. 6; Serial No. 518,769, published Oct. 14, 1947.
 Tonics, Hair. Terminal Barber Shops, Inc. 233,338, renewed Sept. 27, 1947. O. G. Jan. 6.
 Tonics, Hair. Terminal Barber Shops, Inc. 233,349, renewed Sept. 27, 1947. O. G. Jan. 6.
 Vitamin preparation. Sharp & Dohme, Incorporated. 435,792, Jan. 6; Serial No. 525,113, published Oct. 14, 1947.
 Vitamins and phenobarbital. Multiple. International Vitamin Corporation. 435,762, Jan. 6; Serial No. 520,627, published Oct. 14, 1947.
 Vitamins, Multiple. International Vitamin Corporation. 435,761, Jan. 6; Serial No. 520,626, published Oct. 14, 1947.
 Wax. Herron Bros. & Meyer. 435,713, Jan. 6; Serial No. 516,985, published Oct. 14, 1947.

CLASS 7

Cord, Braided sash. Samson Cordage Works. 66,933, re-renewed Jan. 7, 1948. O. G. Jan. 6.
 Rope, cord, twine, etc. International Harvester Company of New Jersey. 106,973-5, Nov. 9, 1915. Republished Jan. 6.

CLASS 12

Awnings, Removable metal. Aluminum Awning Co. 435,652, Jan. 6; Serial No. 509,625, published Oct. 14, 1947.
 Buildings of the panel construction type and building units, Prefabricated. J. K. Eichelberger. 435,794, Jan. 6.
 Coating for dampproofing brick, stone, or terra-cotta walls, Black. M. J. Merkin Paint Co., Inc. 237,068, renewed Jan. 3, 1948. O. G. Jan. 6.
 Coating, Modified rubber resin base wall finish. R. V. Sandstrom. 435,736, Jan. 6; Serial No. 518,982, published Sept. 9, 1947.
 Coating, Plastic wall or floor. I. F. Laucks Inc. 228,554, renewed Jan. 7, 1947. O. G. Jan. 6.
 Concrete forms, concrete form ties, concrete form clamps, etc. M. E. Kemper. 435,743, Jan. 6; Serial No. 519,667, published Sept. 16, 1947.
 Construction materials. I. S. Turover. 435,678, Jan. 6; Serial No. 513,596, published May 13, 1947.
 Door saddles. Columbia Industries. 435,806, Jan. 6.
 Felts, Industrial. James H. Rhodes & Company. 435,754, Jan. 6; Serial No. 520,181, published Sept. 9, 1947.
 Heat insulating material. L. R. Semones. 435,796, Jan. 6.
 Liquid coating, Corrosion resistant. Tremco Manufacturing Company. 435,594, Jan. 6; Serial No. 471,291, published Oct. 31, 1944.
 Lumber. S. R. Taxey. 435,803, Jan. 6.
 Pipe, concrete building units, concrete building blocks, etc. Concrete, New England Concrete Pipe Corporation. 435,630, Jan. 6; Serial No. 501,263, published Oct. 14, 1947.
 Pipes, Sewer. Concrete Products and Material Co., Inc. 435,773, Jan. 6; Serial No. 521,635, published Oct. 14, 1947.

Sashes and storm windows, Storm. John A. Naz Construction Co. 435,738, Jan. 6; Serial No. 519,289, published Sept. 16, 1947.
Storm and window screen sashes, and prefabricated porches, Combined. A. McLean. 435,788, Jan. 6; Serial No. 523,527, published Oct. 7, 1947.
Tiles. Clay Products Company, Incorporated. 226,955, renewed Apr. 26, 1947. O. G. Jan. 6.

CLASS 13

Clamps, Hose. Murray Corporation. 435,799, Jan. 6.
Plumbing specialties. G and H Manufacturing Co. 435,801, Jan. 6.
Strapping for box-fastenings or the like, Metal. Signode System, Inc. 116,863, May 29, 1917. Amended. O. G. Jan. 6.
Wire, Poultry fence. American Steel & Wire Company of New Jersey. 139,059, renewed Jan. 5, 1948. O. G. Jan. 6.

CLASS 14

Lead, caking lead, and bar lead, Pig. American Smelting and Refining Company. 231,208, renewed Aug. 16, 1947. O. G. Jan. 6.
Metals. American Metal Products Company. 117,240, June 26, 1917. Republished Jan. 6.

CLASS 15

Gasoline, kerosene, lubricating oil, etc. Gilmore Oil Company. 235,151, renewed Nov. 15, 1947. O. G. Jan. 6.
Lubricator for pneumatic tools. J. W. Arnold. 435,797, Jan. 6.

CLASS 16

Paints. Frank Bowles Company, Inc. 221,645, renewed Dec. 7, 1946. O. G. Jan. 6.

CLASS 17

Cigarettes, smoking tobacco and cigars. Martins Limited. 435,747, Jan. 6; Serial No. 511,027, published Oct. 21, 1947.
Cigars. G. Guth. 435,653, Jan. 6; Serial No. 509,654, published Oct. 7, 1947.
Cigars. Jackman Cigar Mfg. Co. 435,612-14, Jan. 6; Serial Nos. 494,404-6, published Oct. 7, 1947.
Cigars. Walitt & Bond, Inc. 435,749, Jan. 6; Serial No. 519,997, published Oct. 7, 1947.
Snuff. J. K. Waddell. 435,719, Jan. 6; Serial No. 517,275, published Sept. 30, 1947.

CLASS 19

Sloops or sailboats, Centerboard. Kargard Boat and Engine Company. 435,740, Jan. 6; Serial No. 519,398, published Oct. 14, 1947.
Trucks, Steel warehouse. Illinois Iron & Bolt Co. 87,342, July 9, 1912. Republished Jan. 6.

CLASS 21

Batteries, Storage. Edison Storage Battery Company. 237,380, renewed Jan. 10, 1948. O. G. Jan. 6.
Batteries, storage battery holders, storage battery cables, etc., Storage. Sun Oil Company. 435,621, Jan. 6; Serial No. 496,349, published Sept. 30, 1947.
Electrical apparatus. Champlain Company, Inc. 435,722, Jan. 6; Serial No. 517,454, published Sept. 30, 1947.
Electrical apparatus. Federal Telephone and Radio Corporation. 435,595-6, Jan. 6; Serial Nos. 475,422-3, published Sept. 30, 1947.
Electrical apparatus. H. W. Selger. 435,680, Jan. 6; Serial No. 513,777, published Sept. 30, 1947.
Electrical apparatus. Trumbull Electric Manufacturing Company. 435,598, Jan. 6; Serial No. 481,926, published Aug. 14, 1945.
Electrical parts, Automotive. Echlin Manufacturing Company. 435,645, Jan. 6; Serial No. 506,514, published Sept. 30, 1947.
Electrical signs, Animated. Mega Corporation. 435,751, Jan. 6; Serial No. 520,049, published Oct. 14, 1947.
Flashlight cells. A. G. Meier. 435,622, Jan. 6; Serial No. 497,608, published Dec. 10, 1946.
Fuses for electric circuits, Safety. Economy Fuse & Manufacturing Company. 101,568, Dec. 29, 1914. Republished Jan. 6.
Irons, Electric soldering. Multi Products Tool Company. 435,634, Jan. 6; Serial No. 503,738, published Oct. 14, 1947.
Lamps, Electric. J. Schaffer Electric Novelty, Inc. 435,755, Jan. 6; Serial No. 520,236, published Oct. 14, 1947.
Lamps, Electric desk. Farles Manufacturing Company. 435,735, Jan. 6; Serial No. 518,881, published Oct. 14, 1947.
Lamps, floor lamps, desk lamps, etc., Electric portable. Mutual-Sunset Lamp Manufacturing Co., Inc. 435,760, Jan. 6; Serial No. 520,520, published Oct. 14, 1947.
Lamps, Incandescent. Duro-Test Corporation. 419,347, Feb. 12, 1946. Canceled Dec. 8, 1947. O. G. Jan. 6.
Metal parts for fluorescent lighting fixtures. International Brotherhood of Electrical Workers. 435,605, Jan. 6; Serial No. 491,326, published Mar. 18, 1947.

Radio receiver. Wilmak Corporation. 435,753, Jan. 6; Serial No. 520,136, published Sept. 30, 1947.
Radio receivers and parts thereof, Broad casting and short wave. Hudson American Corporation. 435,757, Jan. 6; Serial No. 520,393, published Oct. 14, 1947.
Radio receiving apparatus. E. J. C. S. St. J. Chesney. 435,641, Jan. 6; Serial No. 505,801, published Sept. 30, 1947.
Radio receiving sets and electrical phonograph pick-ups. Cavalcade Industries, Inc. 435,606, Jan. 6; Serial No. 491,397, published June 4, 1946.
Signaling devices, Electric sound-producing. Benjamin Electric Manufacturing Company. 117,981, Aug. 14, 1917. Republished Jan. 6, 1948.
Timers, Electric. Electromaster, Inc. 435,655, Jan. 6; Serial No. 509,929, published Sept. 30, 1947.
Transducers. Electro-acoustic and electro-mechanical. Massa Laboratories, Inc. 435,618, Jan. 6; Serial No. 495,081, published Oct. 7, 1947.
Tubes enclosing heater elements. Bendix Aviation Corporation. 435,746, Jan. 6; Serial No. 519,918, published Sept. 30, 1947.
Welding apparatus, Electric. C. L. Harach. 435,732, Jan. 6; Serial No. 518,354, published Sept. 30, 1947.

CLASS 22

Fish bait or fish lures, Artificial. E. Liotta, Sr. 435,820, Jan. 6.
Fishing reels and artificial lures. G. D. Briggs. 435,824-25, Jan. 6.
Golf clubs. Ham-R-Hed. 435,800, Jan. 6.

CLASS 23

Bit-brace tools, bolt-cutters, buttresses, etc. Greenfield Tap and Die Corporation. 110,539, May 30, 1916. Republished Jan. 6.
Blades, Hack saw. Fowler-Union Company. 435,808, Jan. 6.
Cutlery. Goodell Company. 435,816-17, Jan. 6.
Dies, Screw-cutting. Greenfield Tap & Die Corporation. 102,788, Feb. 23, 1915. Republished Jan. 6.
Grinding machines. Greenfield Machine Company. 102,093, Jan. 26, 1915. Republished Jan. 6.
Internal-grinding machines. Greenfield Tap & Die Corporation. 238,070, renewed Jan. 24, 1948. O. G. Jan. 6.
Rigs, oil-well derricks, rig parts, etc., Oil-well. Oil Well Supply Company. 144,139, renewed Jan. 5, 1948. O. G. Jan. 6.
Saws and saw-fitting tools. E. C. Atkins and Company. 108,735, Feb. 22, 1916. Republished Jan. 6.
Stretching-tool. Signode System, Inc. 116,691, May 15, 1917. Amended. O. G. Jan. 6.

CLASS 24

Ironing board covers. Pressing Supply Company. 435,759, Jan. 6; Serial No. 520,468, published Oct. 7, 1947.

CLASS 25

Locks and safes. Signode System, Inc. 116,862, May 29, 1947. Amended. O. G. Jan. 6.

CLASS 26

Gauges and micrometers. Greenfield Tap and Die Corporation. 114,882, Jan. 9, 1917. Republished Jan. 6.
Photographic developing papers, Sensitized. Haloid Company. 238,161, renewed Jan. 31, 1948. O. G. Jan. 6.
Stereoscopes. Keystone View Company. 435,815, Jan. 6.

CLASS 27

Watch findings, watch movements, and parts thereof. Metropolitan Watch Material Importing Company. 435,610, Jan. 6; Serial No. 493,563, published Oct. 14, 1947.
Watches and watch movements. Henry Sandoz & Fils. 435,818, Jan. 6.
Watches, watch casings, and parts of watches. Mido Societe Anonyme. 435,802, Jan. 6.

CLASS 28

Bracelets, brooches, lapel pins, etc. J. W. Bowyer. 435,768, Jan. 6; Serial No. 520,993, published Oct. 14, 1947.
Pitchers, goblets, bonbon holders, etc., Water. Berkshire Silver Company. 435,767, Jan. 6; Serial No. 520,926, published Oct. 14, 1947.
Rings, Finger. Jack L. Kaufman, Inc. 435,770, Jan. 6; Serial No. 521,136, published Oct. 14, 1947.

CLASS 29

Brushes and hair brush handles, Hair. Lactona Incorporated. 435,733, Jan. 6; Serial No. 518,416, published Sept. 30, 1947.
Powder puffs. Victoria-Vogue, Inc. 435,758, Jan. 6; Serial No. 520,428, published Oct. 7, 1947.
Toothbrushes. Addis Limited. 435,756, Jan. 6; Serial No. 520,313, published Oct. 7, 1947.

CLASS 32

Acoustic devices. J. Topping. 435,629, Jan. 6; Serial No. 500,781, published Sept. 9, 1947.

Bed springs and mattresses. Perfection Mattress & Spring Company. 435,625, Jan. 6; Serial No. 499,649, published Sept. 9, 1947.
Cabinets and filing cabinet drawers, Filing. Acme Visible Records, Inc. 435,709, Jan. 6; Serial No. 516,750, published Sept. 23, 1947.
Cupboards and kitchen cabinets, Kitchen. Brammer Manufacturing Co. 435,607, Jan. 6; Serial No. 492,176, published June 17, 1947.
Frames, Picture. Florin Fine Arts Products. 435,804, Jan. 6.
Furniture. Globe Parlor Furniture Co. 435,659, Jan. 6; Serial No. 510,585, published Oct. 7, 1947.
Furniture. New York Furniture Exhibit Corp. 435,811, Jan. 6.
Furniture, Bedroom. Morgan Furniture Company. 435,651, Jan. 6; Serial No. 509,528, published Oct. 7, 1947.
Mattresses. F. W. Edwards. 435,677, Jan. 6; Serial No. 513,239, published Sept. 9, 1947.
Mattresses. Geier Mattress Co. 435,683, Jan. 6; Serial No. 514,650, published Oct. 7, 1947.
Mattresses. Sellavision, Inc. 435,809, Jan. 6.
Mattresses, cushions, pillows, etc. William Rhodes Limited. 435,608, Jan. 6; Serial No. 492,223, published May 27, 1947.
Mattresses, pads for baby carriages, play pens, crib bumpers, etc., Crib. Nurserytyme Products. 435,660, Jan. 6; Serial No. 510,717, published Oct. 7, 1947.
Mirrors, Plastic vanity. Trans-Plastic Inc. 435,822, Jan. 6.
Trays for sheets used in machine bookkeeping, Posting. Wilson Jones Company. 435,619, Jan. 6; Serial No. 495,707, published Mar. 4, 1947.
Venetian blinds. Perma Kleen Co. 435,609, Jan. 6; Serial No. 493,399, published Oct. 7, 1947.

CLASS 34

Heating equipment. W. R. Stout. 435,810, Jan. 6.
Lamp bases for table lamps, commode lamps, and vanity lamps, etc., Ceramic. C. Nalbene. 435,819, Jan. 6.
Stoves, ranges, furnaces, etc., Heating. White-Warner Co. 80,451, Dec. 20, 1910. Canceled Dec. 11, 1947. O. G. Jan. 6.

CLASS 35

Belting. F. Rantville Company. 226,575, renewed Apr. 12, 1947. O. G. Jan. 6.
Hose. Wabash Manufacturing Company. 435,821, Jan. 6.
Tires and tire casings, and inner tubes, Rubber. General Tire and Rubber Company. 114,963, Jan. 16, 1917. Republished Jan. 6.
Tires, automobile tubes, fan belts for automobiles, etc., Automobile. American Oil Company. 435,708, Jan. 6; Serial No. 516,655, published Sept. 30, 1947.
Tires or tire casings and inner tubes, Rubber. General Tire & Rubber Company. 115,605, Feb. 27, 1917. Republished Jan. 6.
Tubes, Inner. Robbins Tire and Rubber Company, Inc. 435,704, Jan. 6; Serial No. 516,436, published Sept. 30, 1947.
Tubes, Inner. Robbins Tire and Rubber Company, Inc. 435,705, Jan. 6; Serial No. 516,437, published Oct. 7, 1947.
Tubes, Inner. Robbins Tire and Rubber Company, Inc. 435,706, Jan. 6; Serial No. 516,442, published Sept. 30, 1947.

CLASS 37

Calendar and memorandum pad, Combination. J. Itkind. 435,690, Jan. 6; Serial No. 515,428, published Sept. 30, 1947.
Papers and envelopes, Correspondence. United States Envelope Company. 435,611, Jan. 6; Serial No. 493,854, published Sept. 30, 1947.
Papers, Non-sensitized photographic. Autotype Company Limited. 435,700, Jan. 6; Serial No. 516,112, published Sept. 30, 1947.
Papers, Printing. Franklin Research Company. 435,647, Jan. 6; Serial No. 508,107, published Sept. 30, 1947.
Pencils. A. W. Faber, Inc. 232,330, renewed Sept. 6, 1947. O. G. Jan. 6.
Pencils and leads therefor, Refillable. Dur-O-Lite Pencil Company. 227,030, renewed Apr. 26, 1947. O. G. Jan. 6.
Pencils, pencil holders, colored pencils, etc., Lead. Count Alexander von Faber-Castell. 227,006, renewed Apr. 26, 1947. O. G. Jan. 6.
Pens and mechanical pencils and parts thereof, Fountain. L. B. Waterman Company. 435,698, Jan. 6; Serial No. 515,851, published Sept. 30, 1947.
Pens, mechanical pencils, and desk writing sets, Fountain. Millad Pen Co., Inc. 435,688, Jan. 6; Serial No. 515,190, published Sept. 30, 1947.
Stationery. J. M. Katz. 435,599, Jan. 6; Serial No. 482,428, published July 31, 1945.
Tracing cloth. Winterbottom Book Cloth Company Limited. 65,932, re-renewed Oct. 29, 1947. O. G. Jan. 6.

CLASS 38

Catalogs, price-lists, and other publications. James B. Clow & Sons. 113,866, Nov. 7, 1916. Republished Jan. 6.

Magazine, Monthly. Photo-Era Publishing Co. 232,920, renewed Sept. 20, 1947. O. G. Jan. 6.
Publication issued monthly. Shoe & Leather Reporter Co. 234,203, renewed Oct. 18, 1947. O. G. Jan. 6.

CLASS 39

Apparel, Children's. S. Harold Levy, Inc. 435,667, Jan. 6; Serial No. 512,182, published Aug. 12, 1947.
Apparel for children and girls. S. Harold Levy, Inc. 435,633, Jan. 6; Serial No. 503,655, published Aug. 19, 1947.
Belts, armbands, and garters. Pioneer Suspender Company. 113,425, Oct. 17, 1916. Republished Jan. 6.
Boots, shoes, slippers and rubbers. Leather, canvas, and fabric. Powell & Campbell. 103,677, Apr. 13, 1915. Republished Jan. 6.
Clothing, Oiled. A. J. Tower Company. 105,703, Aug. 10, 1915. Republished Jan. 6.
Coats, suits, and sportswear, Girls', juniors', misses' and women's. E. Bernstein. 435,662, Jan. 6; Serial No. 510,998, published Sept. 16, 1947.
Collars, and dress, negligee and work shirts. Hall, Hartwell & Co. Inc. 231,075, renewed Aug. 9, 1947. O. G. Jan. 6.
Dresses, blouses, cloth and fur coats, etc., Women's and misses' custom-made. Saks & Company. 435,654, Jan. 6; Serial No. 509,879, published Aug. 28, 1947.
Hosiery. Rufus W. Scott Company. 238,644, renewed Feb. 14, 1948. O. G. Jan. 6.
Neckties and cravats. Meyer-Mueller-Goodman Co. 237,956, renewed Jan. 24, 1948. O. G. Jan. 6.
Shirts, Men's and boys' dress and sport. M. & D. Simon Co. 409,529, Oct. 10, 1944. Canceled Dec. 10, 1947. O. G. Jan. 6.
Suspenders. Pioneer Suspender Company. 117,917, Aug. 7, 1917. Republished Jan. 6.
Suspenders, belts, and armbands. Pioneer Suspender Company. 114,075, Nov. 21, 1916. Republished Jan. 6.

CLASS 40

Braids, shoe-laces, galloons, etc. United Lace & Braid Manufacturing Company. 104,820, June 15, 1915. Republished Jan. 6.
Shields and slip-over garment shields, Dress. I. B. Kleinert Rubber Company. 237,880, renewed Jan. 17, 1948. O. G. Jan. 6.

CLASS 42

Chiffons, mallines, ribbons, and velvets. Friedman & Distillator. 66,740, re-renewed Dec. 24, 1947. O. G. Jan. 6.
Fabric in the piece, Corduroy rayon. St. George Textile Corporation. 435,604, Jan. 6; Serial No. 491,139, published Oct. 7, 1947.
Fabric in the piece, Textile. Crest Fabrics Corp. 435,783, Jan. 6; Serial No. 522,551, published Oct. 7, 1947.
Fabrics in the piece. Goodman & Thelie Inc. 435,703, Jan. 6.
Fabrics in the piece, Textile. Concordia-Gallia Corporation. 435,784, Jan. 6; Serial No. 522,772, published Oct. 7, 1947.
Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 435,745, Jan. 6; Serial No. 519,807, published Sept. 30, 1947.
Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 435,813, Jan. 6.
Laces. Native Laces & Textiles, Incorporated. 435,764, Jan. 6; Serial No. 520,886, published Oct. 7, 1947.
Piece goods, Cotton. Bradshaw and Moore, Limited. 201,990, renewed Aug. 11, 1945. O. G. Jan. 6.
Piece goods made of cellulose acetate type yarns alone and in admixture with cotton, wool, silk or rayon. Celanese Corporation of America. 485,602, Jan. 6; Serial No. 484,934, published Oct. 7, 1947.
Piece goods of cotton, linen, rayon, or mixtures thereof. A. Steinam Company, Inc. 435,812, Jan. 6.
Piece goods, Rayon. Carnac, Inc. 435,643, Jan. 6; Serial No. 506,090, published Sept. 30, 1947.
Piece goods, Woolen and worsted. Anglo Fabrics Company. 435,798, Jan. 6.
Rugs, Braided. Callaway Mills. 435,785, Jan. 6; Serial No. 522,904, published Oct. 7, 1947.
Sheetings, Cotton. Columbus Manufacturing Company. 235,052, renewed Nov. 8, 1947. O. G. Jan. 6.
Textile fabrics, Woven. Foreman Fabrics Corp. 435,646, Jan. 6; Serial No. 507,388, published Sept. 30, 1947.
Towels. Cannon Mills Company. 435,786, Jan. 6; Serial No. 523,366, published Oct. 7, 1947.
Woolen goods in the piece and in cut lengths. S. Stein & Co. 230,513, renewed July 26, 1947. O. G. Jan. 6.

CLASS 43

Cotton, Crochet. Clark Thread Company. 162,632, renewed Jan. 5, 1948. O. G. Jan. 6.

CLASS 44

Applicators, Plastic. Southern California Plastic Company. 426,167, Dec. 17, 1946. Canceled Dec. 11, 1947. O. G. Jan. 6.
Denture processing tanks, Acrylic. A. E. Wolf. 435,661, Jan. 6; Serial No. 510,747, published Oct. 7, 1947.
Gum-massaging attachments for toothbrushes. Pycop, Inc. 435,789, Jan. 6; Serial No. 523,537.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Hearing aids and parts thereof, Electrical. Zenith Radio Corporation. 435,791, Jan. 6; Serial No. 524,847, published Oct. 7, 1947.
Instruments and rings for castrating and docking livestock. J. F. Wilson. 435,697, Jan. 6; Serial No. 515,846, published Sept. 30, 1947.
Lining for dental plates. L. D. Postel. 435,715, Jan. 6; Serial No. 517,090, published Oct. 7, 1947.
Sanitary napkins. Sterilek Company Incorporated. 435,777, Jan. 6; Serial No. 521,940, published Oct. 7, 1947.
Scrapers made of metal or non-metallic substances and to be applied to the tongue. Dermetics, Inc. 435,774, Jan. 6; Serial No. 521,645, published Oct. 7, 1947.
Supporters, Elastic. Ohio Truss Company. 435,657, Jan. 6; Serial No. 510,103, published Oct. 7, 1947.
Suspensories. Cincinnati Truss Company. 435,787, Jan. 6; Serial No. 523,370, published Oct. 7, 1947.
Suspensories. Ohio Truss Company. 435,765-6, Jan. 6; Serial Nos. 520,889-90, published Oct. 14, 1947.
Swabs. Q-Tips, Inc. 435,771, Jan. 6; Serial No. 521,532, published Oct. 7, 1947.
Thermometers, hypodermic needles and glass syringes. Clinical. E. Kessling Thermometer Co., Inc. 435,718, Jan. 6; Serial No. 517,192, published Oct. 7, 1947.

CLASS 45

Beverage, Non-alcoholic carbonated. Pepsol Chemical Company. 62,407, re-renewed May 7, 1947. O. G. Jan. 6.
Beverages, Non-alcoholic, maltless. Pa-Poya Co. 290,264, Dec. 29, 1931. Canceled Dec. 10, 1947. O. G. Jan. 6.
Concentrates, sirups, and flavors. Nonalcoholic, maltless. Brechet & Richter Company. 232,017, renewed Aug. 30, 1947. O. G. Jan. 6.

CLASS 46

Candles and sugared and salted nuts. L. Byers. 435,805, Candy. Loft Candy Corporation. 435,723, Jan. 6; Serial No. 517,496, published Sept. 16, 1947.
Canned and bottled grapefruit juice, orange juice, etc. Caltone Corporation. 435,795, Jan. 6.
Canned combination of vegetables. Knellsville Pea Canning Company. 435,701, Jan. 6; Serial No. 516,140, published Sept. 23, 1947.
Canned evaporated milk. United Dairy Company. 435,731, Jan. 6; Serial No. 518,113, published Sept. 23, 1947.
Canned fish. Neptune Sea Food Company. 198,963, renewed Jan. 5, 1948. O. G. Jan. 6.
Canned fish. Pyramid Fisheries Company, Inc. 435,628, Jan. 6; Serial No. 500,322, published Sept. 23, 1947.
Canned fruits. Manteca Canning Company. 435,695, Jan. 6; Serial No. 515,625, published Sept. 2, 1947.
Canned fruits and vegetables. Deming & Gould Co. 226,489, renewed Apr. 12, 1947. O. G. Jan. 6.
Canned fruits, canned vegetables and canned tomato paste. Flotill Products, Incorporated. 435,725, Jan. 6; Serial No. 517,629, published Sept. 23, 1947.
Canned orange juice, canned grapefruit juice, canned blended orange-grapefruit juice, etc. Florida Citrus Commission. 435,693, Jan. 6; Serial No. 515,494, published Oct. 14, 1947.
Canned peas. Owen Canning Company. 209,209, renewed Feb. 18, 1946. O. G. Jan. 6.
Canned peas and canned corn. Rich-Land Canning Corporation. 435,717, Jan. 6; Serial No. 517,164, published Sept. 23, 1947.
Canned salmon. K. Dehn. 435,591, Jan. 6; Serial No. 466,668, published Sept. 23, 1947.
Canned salmon. Union Fishermen's Co-Operative Packing Co. 229,601, renewed July 5, 1947. O. G. Jan. 6.
Canned tomatoes, sweet pickle chips, pickles, etc. Bel-Whit Food Products Inc. 435,689, Jan. 6; Serial No. 515,291, published Sept. 23, 1947.

Canned vegetables. Inderrieden Canning Co. 103,240, Mar. 23, 1915. Republished Jan. 6.
Canned vegetables, canned fruits, canned fish, etc. J. L. Henderson. 435,624, Jan. 6; Serial No. 499,495, published Sept. 23, 1947.
Chick-meal. Northrup, King & Co. 107,631, Dec. 14, 1915. Republished Jan. 6.
Chips, Corn. J. P. Bush. 435,687, Jan. 6; Serial No. 515,067, published Sept. 16, 1947.
Coffee. Tai Hing Company. 233,243, renewed Sept. 27, 1947. O. G. Jan. 6.
Confection pieces, Chocolate. Rockwood & Co. 435,724, Jan. 6; Serial No. 470,347, published Oct. 21, 1947.
Fat, Cooking. Procter & Gamble Company. 114,822, Jan. 2, 1917. Republished Jan. 6.
Fat, Cooking. Procter & Gamble Company. 117,704, July 24, 1917. Republished Jan. 6.
Flavoring powder, Vanilla. Richard Frank & Co., Inc. 435,673, Jan. 6; Serial No. 512,863, published Sept. 16, 1947.
Flour, Wheat. Southwestern Milling Company, Inc. 118,612, Sept. 18, 1917. Republished Jan. 6.
Food product, Edible. C. C. McElveen. 435,663, Jan. 6; Serial No. 511,099, published Sept. 23, 1947.
Food savoring powders. International Minerals and Chemical Corporation. 435,707, Jan. 6; Serial No. 516,611, published Sept. 23, 1947.
Foods, Animal and poultry. Kansas Milling Company. 435,593, Jan. 6; Serial No. 467,197, published Oct. 7, 1947.
Frozen poultry. W. A. Boggess. 435,632, Jan. 6; Serial No. 502,262, published May 27, 1947.
Fruits, Fresh. Harry and David. 435,635, Jan. 6; Serial No. 504,179, published Sept. 23, 1947.
Fruits, Fresh citrus. Fallbrook Citrus Association. 435,826, Jan. 6.
Fruits, Fresh deciduous. E. B. Wood. 435,721, Jan. 6; Serial No. 517,394, published Sept. 23, 1947.
Horse-radish, pickles, sweet pepper relish, etc. J. J. Glelow & Sons. 236,761, renewed Dec. 20, 1947. O. G. Jan. 6.
Lemon juice base for flavoring food products, Imitation. A. Rosenthal. 435,807, Jan. 6.
Mayonnaise and Russian dressing. Hostess Products Corp. 232,099, renewed Aug. 30, 1947. O. G. Jan. 6.
Meal, scratch feed, developer scratch feed, etc., Corn. Seguin Milling & Power Company. 302,333, Apr. 11, 1933. Canceled Dec. 11, 1947. O. G. Jan. 6.
Sausage. Parker House Sausage Co. 435,590, Jan. 6; Serial No. 465,547, published Sept. 23, 1947.
Stabilizer, Ice cream. General Biochemicals, Inc. 435,790, Jan. 6; Serial No. 524,395, published Sept. 16, 1947.
Sugar. Confectioners'. Franklin Sugar Refining Co. 107,706, Dec. 21, 1915. Republished Jan. 6.
Tea. Salada Tea Company, Inc. 116,557, May 8, 1917. Republished Jan. 6.
Vegetables, Fresh. E. A. Collopy. 435,823, Jan. 6.
Wheat-flour. Duluth-Superior Milling Company. 117,533, July 17, 1917. Republished Jan. 6.
Wheat-flour. Seguin Milling & Power Co. 116,006, Mar. 27, 1917. Canceled Dec. 11, 1947. O. G. Jan. 6.
Yeast extract. Kraft Walker Cheese Company Proprietary Limited. 435,592, Jan. 6.

CLASS 48

Beer. Wm. J. Lemp Brewing Co. 37,901, Mar. 4, 1902. Republished Jan. 6.
Beer, Lager. P. Ballantine & Sons. 119,244, Nov. 13, 1917. Republished Jan. 6.

CLASS 50

Innersoling for shoes. Armstrong Cork Company. 116,744, May 22, 1917. Republished Jan. 6.
Slip-insoles for shoes. Armstrong Cork Company. 119,162, Oct. 30, 1917. Republished Jan. 6.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Stove Company, assignee: See—
Morrill, Vaughan, Jr.
Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Residual hydrocarbon treatment. Re. 22,957, Jan. 6.
Bell Telephone Laboratories Incorporated, assignee: See—
Davidson, John, Jr.
Davidson, John, Jr., Montclair, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Telephone system. Re. 22,958, Jan. 6.
French, George F., assignor to R. French, and himself, Manchester, England. Ladder webbing. Re. 22,959, Jan. 6.
French, Roger, assignee: See—
French, George F.
Houdry Process Corporation, assignee: See—
Bates, John R.
Leventhal, Jacob F., New York, N. Y., assignor to Leventhal Patents, Inc., Chattanooga, Tenn. Optical compensator. Re. 22,960, Jan. 6.
Leventhal Patents, Inc., assignee: See—
Leventhal, Jacob F.
Morrill, Vaughan, Jr., assignor to American Stove Company, St. Louis, Mo. Liquid product and thermostatic device embodying same. Re. 22,961, Jan. 6.
Oswald, Olaf, Honolulu, Hawaii. Carburetor. Re. 22,962, Jan. 6.

LIST OF PLANT PATENTEEES

Burkwood, Albert, Rotherfield, England, assignor to J. J. Grullemans. Viburnum hybrid plant. 776, Jan. 6.
Conard-Pyle Company, The, assignee: See—
Ketten, Charles.
Grillo, Nicholas, Milldale, Conn. Rose plant. 778, Jan. 6.
Grullemans, John J., assignee: See—
Burkwood, Albert.
Jackson & Perkins Company, assignee: See—
Mallerin, Charles.
Johnson, Walter E., Reading, Mass. Rose plant. 777, Jan. 6.
Ketten, Charles, deceased, Luxemburg, Luxemburg, M. Ketten, administratrix, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 774, Jan. 6.
Ketten, Marguerite, administratrix: See—
Ketten, Charles.
Mallerin, Charles, Varces, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 775, Jan. 6.

LIST OF DESIGN PATENTEEES

Amaru, Joseph, Somerville, Mass. Picture frame border mat or similar article. 148,267, Jan. 6.
Amaru, Joseph, Somerville, Mass. Border mat for a picture frame or similar article. 148,268, Jan. 6.
American Car and Foundry Company, assignee: See—
Kuhler, Otto A.
Askins, Ralph W., Toledo, Ohio. Trailer hitch. 148,269, Jan. 6.
Atkinson, William E., assignor to Valley Research Corporation, Montague, Mich. Andiron. 148,270, Jan. 6.
Atkinson, William E., assignor to Valley Research Corporation, Montague, Mich. Andiron. 148,271, Jan. 6.
Baird, Bill, New York, N. Y. Puppet. 148,272, Jan. 6.
Barbanell, Walter, New York, N. Y. Shrine or similar article. 148,273, Jan. 6.
Beck, Morton, Denver, Colo. Display case. 148,274, Jan. 6.
Bihler, Walter G., Detroit, assignor to Special Machine & Engineering Co., Hazel Park, Mich. Miniature vise. 148,275, Jan. 6.
Boal, Stewart, Winnetka, assignor to Randolph Laboratories, Inc., Chicago, Ill. Fire extinguisher or similar article. 148,276, Jan. 6.
Bogoff, Herman, Chicago, Ill. Pin. 148,277, Jan. 6.
Bogoff, Herman, Chicago, Ill. Earring. 148,278, Jan. 6.
Bogoff, Herman, Chicago, Ill. Earring. 148,279, Jan. 6.
Bogoff, Herman, Chicago, Ill. Earring. 148,280, Jan. 6.
Capozzi, Arthur, Bridgeport, Conn. Lady's sandal. 148,281, Jan. 6.
Cariff, Ralph, Newark, N. J. Insulating support for an electrical heating element. 148,282, Jan. 6.
Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Knife rack. 148,283, Jan. 6.
Case, J. I., Company, assignee: See—
Hedquist, Milton T., and Haley.
Chattanooga Implement & Manufacturing Co., assignee: See—
Morin, Luke O., Jr., and Warner.
Clarke, William A., Jr., New Lexington, Ohio. Clock. 148,284, Jan. 6.
Cofrin, Austin E., Green Bay, and S. N. Hope, Wauwatosa, assignors to Fort Howard Paper Company, Green Bay, Wis. Napkin dispenser. 148,285, Jan. 6.
Coro, Inc., assignee: See—
Katz, Adolph.
Cramer, Roy A., Kansas City, Mo. Chair. 148,286, Jan. 6.
Cravero, Joseph A., East Farmingdale, Long Island, and A. S. Milligan, Farmingdale, N. Y.; said Milligan assignor to said Cravero. Wheelbarrow. 148,287, Jan. 6.
Dawson, Francis A., assignor to Kingston Products Corporation, Kokomo, Ind. Radio receiving set. 148,288, Jan. 6.
Discher, Edward W., Milwaukee, Wis. Bench. 148,289, Jan. 6.
Dixon, Orien T., Miami, Okla. Flower holder. 148,290, Jan. 6.
Emanuel, Robert, Brooklyn, assignor to William Jay Emanuel Co., New York, N. Y. Glocksnaple. 148,291, Jan. 6.
Emanuel, William Jay, Co., assignee: See—
Emanuel, Robert.
Essick, Bryant, Los Angeles, Calif. Road roller. 148,292, Jan. 6.
Fort Howard Paper Company, assignee: See—
Cofrin, Austin E., and Hope.
Fouch, James L., assignee: See—
Karlstad, Andrew C.
Geller, William, New York, N. Y. Electric heater. 148,293, Jan. 6.
Gold, Irving, New York, N. Y. Combined rouge brush and casing therefor. 148,294, Jan. 6.
Groos, Eleanor, Mount Vernon, N. Y. Ring box or similar article. 148,295, Jan. 6.
Groos, Eleanor, Mount Vernon, N. Y. Ring box or similar article. 148,296, Jan. 6.
Haley, James: See—
Hedquist, Milton T., and Haley.
Hamilton, Conrad D.: See—
Niederhausen, William, and Hamilton.
Hardell, LeRoy W., assignor to Stewart-Warner Corporation, Chicago, Ill. Radio and phonograph cabinet. 148,297, Jan. 6.
Harvey, James W., Lakeville, Conn. Game implement. 148,298, Jan. 6.
Hedquist, Milton T., and J. Haley, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis. Tractor. 148,299, Jan. 6.
Hoffman, Frederick C., Los Angeles, Calif. Trailer. 148,300, Jan. 6.

LIST OF DESIGN PATENTEES

Hoffman Radio Corporation, assignee: *See*—
Portanova, Joseph D.
Hope, Samuel N.: *See*—
Cofrin, Austin E., and Hope.
Howell, Clayton J., assignor to Wonder Orange Company, Chicago, Ill. Bottle. 148,301, Jan. 6.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Schofield, Philip F., and Kelstman.
Karlstad, Andrew C., Sherman Oaks, assignor to J. L. Fouch, Inglewood, Calif. Illuminable switch plate. 148,302, Jan. 6.
Kasten, Walter, Franklin, and A. E. Mason, Belleville, Mich. Toy mangle. 148,303, Jan. 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,304, Jan. 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,305, Jan. 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,306, Jan. 6.
Keane, John A. C., St. Albans, N. Y. Clock. 148,307, Jan. 6.
Kelstman, Arnold R.: *See*—
Schofield, Philip F., and Kelstman.
Kingston Products Corporation, assignee: *See*—
Dawson, Francis A.
Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Railway car. 148,308, Jan. 6.
Landers, Frary & Clark, assignee: *See*—
Russell, William J.
Leivo, Philip V., and A. J. Herek, assignors, by mesne assignments, to Metal-Lite Products, Bay City, Mich. Archery bow. 148,309, Jan. 6.
Lelong, Lucien, Paris, France, assignor to Lucien Lelong, Inc., Chicago, Ill. Container for perfume bottle or similar article. 148,310, Jan. 6.
Lelong, Lucien, Inc., assignee: *See*—
Lelong, Lucien.
Lewyt Corporation, assignee: *See*—
Lippincott, Joshua G.
Lilly, Howard C., Sharon, assignor to Masury-Young Company, Charlestown, Mass. Vacuum cleaner. 148,311, Jan. 6.
Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner casing. 148,312, Jan. 6.
Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 148,313, Jan. 6.
Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 148,314, Jan. 6.
Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 148,315, Jan. 6.
Mason, Adam E.: *See*—
Kasten, Walter, and Mason.
Masury-Young Company, assignee: *See*—
Lilly, Howard C.
Merek, Albin J.: *See*—
Leivo, Philip V., and Merek.
Metal-Lite Products, assignee: *See*—
Leivo, Philip V., and Merek.
Miller, Nels A., Oak Park, assignor to J. P. Seeburg Corporation, Chicago, Ill. Cabinet for automatic phonographs. 148,316, Jan. 6.
Milligan, Addison S.: *See*—
Cravero, Joseph A., and Milligan.
Moore, Allan, Sacramento, Calif. Lamp. 148,317, Jan. 6.
Morin, Luke O., Jr., and S. Warner, Lookout Mountain, assignors to Chattanooga Implement & Manufacturing Co., Chattanooga, Tenn. Heater or similar article. 148,318, Jan. 6.
Niederhausen, William, and C. D. Hamilton, New York, N. Y. Crèche. 148,319, Jan. 6.
Operadio-Manufacturing Co., assignee: *See*—
Whyte, Ruth L.

Penn, William D., Dallas, Tex. Hearing aid case. 148,320, Jan. 6.
Pichel, Irving, New York, N. Y. Handbag or similar article. 148,321, Jan. 6.
Pichel, Irving, New York, N. Y. Handbag or similar article. 148,322, Jan. 6.
Pichel, Irving, New York, N. Y. Handbag or similar article. 148,323, Jan. 6.
Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Radio cabinet. 148,324, Jan. 6.
Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Cabinet for a radio-phonograph. 148,325, Jan. 6.
Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Radio phonograph cabinet. 148,326, Jan. 6.
Randolph Laboratories, Inc., assignee: *See*—
Boal, Stewart.
Rashbach, Melvin J., Wichita, Kans. One-wheel trailer. 148,327, Jan. 6.
Renzi, A. J., Plastic Co., assignee: *See*—
Renzi, Florindo F.
Renzi, Florindo F., assignor to A. J. Renzi Plastic Co., Leominster, Mass. Clothespin. 148,328, Jan. 6.
Robeson Cutlery Company, Inc., assignee: *See*—
Case, Emerson E.
Russell, William J., Newington, assignor to Landers, Frary & Clark, New Britain, Conn. Casing for vacuum cleaner. 148,329, Jan. 6.
Scheidtler, Samuel, Jackson Heights, N. Y. Jacket or similar article. 148,330, Jan. 6.
Scheinman, Arnold H., Milltown, N. J. Pull toy. 148,331, Jan. 6.
Schofield, Philip F., Cleveland Heights, and A. R. Kelstman, Shaker Heights, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Inverter. 148,332, Jan. 6.
Sebel, Harry, London, England. Swing. 148,333, Jan. 6.
Seeburg, J. P., Corporation, assignee: *See*—
Miller, Nels A.
Sices, Murray, Lynbrook, N. Y. Suit or similar article. 148,334, Jan. 6.
Smith, Norris S., Los Angeles, Calif. Portable sleeping structure for mounting on top of an automobile. 148,335, Jan. 6.
Speaker, John W., Milwaukee, Wis. Casing for an electrical timer. 148,336, Jan. 6.
Special Machine & Engineering Co., assignee: *See*—
Bihler, Walter G.
Sperry Gyroscope Company, Inc., assignee: *See*—
Wilson, Jack C.
Stein, Norman, Outremont, near Montreal, Quebec, Canada. Combined seat and telephone stand. 148,337, Jan. 6.
Stewart-Warner Corporation, assignee: *See*—
Hardell, Le Roy W.
Valley Research Corporation, assignee: *See*—
Atkinson, William E.
Warner, Stanley: *See*—
Morin, Luke O., Jr., and Warner.
Weston, Alexander S., New York, N. Y. Ball pen or similar article. 148,338, Jan. 6.
Whyte, Ruth L., Chicago, assignor to Operadio Manufacturing Co., St. Charles, Ill. Cabinet for intercommunicating system. 148,343, Jan. 6.
Whyte, Ruth L., Chicago, assignor to Operadio Manufacturing Co., St. Charles, Ill. Cabinet for intercommunicating system. 148,344, Jan. 6.
Wilson, Jack C., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Navigation instrument for aircraft. 148,339, Jan. 6.
Wilson, Joyce D., Minneapolis, Minn. Moccasin. 148,340, Jan. 6.
Wonder Orange Company, assignee: *See*—
Howell, Clayton J.
Wyatt, De Witt H., Columbus, Ohio. Heater. 148,341, Jan. 6.
Wyatt, De Witt H., Columbus, Ohio. Heater. 148,342, Jan. 6.
Wyler, Paul, Forest Hills, N. Y. Combination corkscrew and bottle opener. 148,345, Jan. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Cyril S., Houston, Tex. Load indicator for cranes. 2,434,138, Jan. 6.
Adams, Harold A., assignor of one-tenth to A. R. Cassidy, Bakersfield, Calif. Underwater image transmitting apparatus. 2,433,971, Jan. 6.
Adams, Joseph S., Greenwood, Ark. Animal trap. 2,434,031, Jan. 6.
Addington, Sue M., Coral Gables, Fla. Mailbox. 2,433,880, Jan. 6.
Aerojet Engineering Corporation, assignee: *See*—
Stosick, Arthur J.
Zwicky, Fritz, Ewing, Carter, and Stosick.
Agriculture, United States of America, as represented by the Secretary of: *See*—
Lathrop, Elbert C., and Aronovsky.
Rehberg, Chasie E., and Fisher.
Air Reduction Company, Incorporated, assignee: *See*—
Tyner, Joseph M.
Ajdukovich, George, St. Louis, Mo. Hernial truss. 2,434,088, Jan. 6.
Allen, Herbert E., Canton, N. Y. Portable drill tree tapping machine. 2,434,089, Jan. 6.
Allied Chemical & Dye Corporation, assignee: *See*—
Cline, Edwin L.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Lerstrup, Karl.
Alm, J. T., assignee: *See*—
Sauer, Christian H.
Alstrom, Albert I., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Stator mounting for flywheel magnetos. 2,433,881, Jan. 6.
Alton, Thomas, Elwick, West Hartlepool, England. Ventilator for enclosed spaces. 2,434,090, Jan. 6.
American Can Company, assignee: *See*—
Socke, John E.
American Cyanamid Company, assignee: *See*—
Barnes, Robert B., and Ham.
Park, Robert H.
Mackenzie, Neil M., and Nestler.
Royer, George L., and Amick.
Smyth, Glen M., and Cullinan.
American Optical Company, assignee: *See*—
Osterberg, Harold.
American Seating Company, assignee: *See*—
Nordmark, Walter E.
American Smelting and Refining Company: *See*—
Fleming, Edward P., and McIntosh.
American Viscose Corporation, assignee: *See*—
Griffin, Frank H.
Haley, Hugh D.
Ancet, Victor M. J., assignor to Marius Fayolle, alias Marcel Fayolle, Lyon, France. Thread operated stop motion in circular looms. 2,433,824, Jan. 6.
Anderberg, Axel W., Los Angeles, Calif. Removable bottle closure device. 2,433,972, Jan. 6.
Anderson, Albert & J. M., Manufacturing Company, assignee: *See*—
Reynolds, Charles H.
Anderson, Bert E., Los Angeles, Calif. Orifice exchanger. 2,433,973, Jan. 6.
Andrews Company, assignee: *See*—
Lussardi, John P. J.
Antel, Montague J., Johannesburg, Transvaal, Union of South Africa. Pick and like handles. 2,433,974, Jan. 6.
Archangel, Martin D.: *See*—
Hoern, Joseph H., and Archangel.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Colored glass. 2,433,882, Jan. 6.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Ophthalmic glass. 2,433,883, Jan. 6.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Blue glass. 2,434,139, Jan. 6.
Armour and Company, assignee: *See*—
Speer, Paul.
Armstrong Cork Company, assignee: *See*—
Jennings, Arthur L., & Brown.
Aronovsky, Samuel I.: *See*—
Lathrop, Elbert C., and Aronovsky.
Arrington, Conrad J., Winnsboro, S. C., assignor to United States Rubber Company, New York, N. Y. Knot or slub catcher. 2,434,091, Jan. 6.
Asher, William J., Colorado Springs, Colo. Vibratory conveyor means for ironers. 2,433,975, Jan. 6.
Attorney General of the United States: *See*—
Elle, Maurice, Gutton, Hugon, and Ponte.
Wechsberg, Raoul.
Auer, Laszlo, South Orange, N. J. Aqueous dispersions of vulcanized fatty oils. 2,433,831, Jan. 6.
Auer, Laszlo, South Orange, N. J. Resin treatment. 2,433,832, Jan. 6.
Auer, Laszlo, South Orange, N. J. Flattening agent and making same. 2,433,833, Jan. 6.
Automatic Shifters, Inc., assignee: *See*—
Ongres, Jeannot G.
Avco Manufacturing Corporation, assignee: *See*—
Money, Roland H., and Craig.
Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of alkyl chlorides. 2,434,092, Jan. 6.
Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrochlorination process. 2,434,093, Jan. 6.
Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrochlorination of olefins. 2,434,094, Jan. 6.
Ayers, Edgar H., and A. G. Elmendorf, Schenectady, N. Y., assignors to General Electric Company. Shockproof electromagnet with armature. 2,434,096, Jan. 6.
Ayers, George W., assignor to The Pure Oil Company, Chicago, Ill. Purification of phenolic material. 2,434,095, Jan. 6.
Babcock & Wilcox Company, The, assignee: *See*—
Ebersole, George B., and Leach.
Babka, Aldrich C., Cheyenne, Wyo. Cutting tool. 2,433,976, Jan. 6.
Badger Fire Extinguisher Company, assignee: *See*—
Paul, Lawrence C.
Bair, Robert R.: *See*—
Benner, Harry L., and Bair.
Barnes, Robert B., Stamford, and G. P. Ham, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Purification of fluids with silvered resins. 2,434,190, Jan. 6.
Bassett, Edward H., West Hartford, assignor to The Silix Company, Hartford, Conn. Combination steaming and pressing iron. 2,434,097, Jan. 6.
Bates, Ralph C., Yonkers, N. Y. Swimming device. 2,434,032, Jan. 6.
Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Refrigerant tank for refrigerator cars. 2,434,062, Jan. 6.
Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Density indicating apparatus. 2,434,098, Jan. 6.
Bazett, Henry C., Haverford, Pa., and P. A. Siple, U. S. Army, Arlington, Va. Protective clothing. 2,433,834, Jan. 6.
Bell, Forrest F., assignor to Curtis Companies Incorporated, Clinton, Iowa. Combination storm sash and screen. 2,433,835, Jan. 6.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Rowne, Langford J.
Oliver, Bernard M.
Bendix Aviation Corporation, assignee: *See*—
Miller, Raymond J.
Price, Earl R.
Singleton, William W.
Benner, Harry L., and R. R. Bair, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Removing organic impurities from copper-cyanide electroplating baths. 2,434,191, Jan. 6.
Bennet, Owen G.: *See*—
Fraser, Joseph W. C., and Bennett.
Bentley, George K., assignor to McCray Refrigerator Company, Kendallville, Ind. Liquid cooling apparatus. 2,433,977, Jan. 6.
Bergeron, Gerard, Wotton, Quebec, Canada. Portable motor base. 2,433,978, Jan. 6.
Bernstein, Jacob, Omaha, Nebr. Hose rack. 2,434,140, Jan. 6.
Bevan, John G., assignor to Guggenheim Brothers, New York, N. Y. Sewage treating apparatus comprising a receptacle having a rotatable support partially submerged in liquid therein and having a matrix of oxidizing bacteria thereon. 2,433,884, Jan. 6.
Billman, John H., Bloomington, Ind. Preparing α -amino acids and N-substituted- α -amino acids. 2,433,979, Jan. 6.
Birchfield, Roy R., Shreveport, La. Master cylinder for hydraulic brakes. 2,434,063, Jan. 6.
Blaw-Knox Company, assignee: *See*—
Shields, James R.
Bocj Corporation, assignee: *See*—
Lang, Joseph C.
Bossmeyer, Charles L., Stratford, Conn., assignor to Dictaphone Corporation, New York, N. Y. Springless governor. 2,433,885, Jan. 6.

Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenophenylthio-2,3 epoxypropanes, and halogenophenylthio-2,3-propanediols. 2,434,099, Jan. 6.

Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2-carboxy-halogeno-1,4-thiachromanone. 2,434,100, Jan. 6.

Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,433,836, Jan. 6.

Braun, Adolph F., Flint, assignor to General Motors Corporation, Detroit, Mich. Dual carburetor fuel system. 2,434,192, Jan. 6.

Brazier, Leslie G., and D. T. Hollingsworth, assignors, by mesne assignments, to British Insulated Callender's Cables Limited, London, England. Coupling for cables. 2,433,980, Jan. 6.

Bredin, Lewis L., Oxford, Mich. Leg guard. 2,434,064, Jan. 6.

Bremer, Emil R., Alameda, Calif. Folding vehicle. 2,433,886, Jan. 6.

Brenkert, Karl, Detroit, Mich. Ventilating system for motion-picture machines. 2,434,193, Jan. 6.

British Insulated Callender's Cable Limited, assignee: See—

Brazier, Leslie G., and Hollingsworth.

Broeren, Frank L., Neenah, and N. J. Slye and A. S. Krueger, Green Bay, assignors to Marathon Corporation, Rothschild, Wis. Cabinet for dispensing sheet material. 2,434,194, Jan. 6.

Brothers, Alvin O., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat transfer device with capillary condensate drain. 2,433,825, Jan. 6.

Brown, Franklin M., assignor of one-half to Glenn Moore, Portland, Oreg. Hand and power operated steering gear. 2,433,826, Jan. 6.

Brown, Harold, Denver, Colo. Sharpening device. 2,434,141, Jan. 6.

Brown, Henry C., Jr.: See—

Jennings, Arthur L., and Brown.

Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Distributor. 2,433,888, Jan. 6.

Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Ignition apparatus. 2,433,887, Jan. 6.

Bryant, Leland A., Beverly Hills, assignor of one-half to J. F. Sullivan, Los Angeles, Calif. Master tooling dock. 2,433,889, Jan. 6.

Bryn, John G., New York, N. Y. Garment hanger. 2,434,142, Jan. 6.

Buchanan, J. D., assignee: See—

Walters, Daniel W.

Büchner, J. C. A.: See—

Wechsberg, Raoul.

Buck, Everett S., Fort Wayne, Ind. Ventilating air distributor. 2,433,951, Jan. 6.

Budd Company, The, assignee: See—

Callender, Edwin M.

Tarbox, John P., and Callender.

Van Sciver, Herbert D., II.

Burling, Eatherl O.: See—

Gause, Marvin B., and Burling.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Tone arm mounting. 2,434,033, Jan. 6.

California Packing Corporation, assignee: See—

Gause, Marvin B., and Burling.

Callender, Edwin M.: See—

Tarbox, John P., and Callender.

Callender, Edwin M., Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Weld-control system. 2,433,827, Jan. 6.

Cameron Iron Works, assignee: See—

Works, Madden T.

Cann, Arthur F., Danvers, assignor to Stevens-Arnold Company, Inc., Boston, Mass. Electronic light integrator. 2,434,101, Jan. 6.

Cantor, Samuel, Brooklyn, N. Y. Baseball game. 2,434,195, Jan. 6.

Carter, James M.: See—

Zwicky, Fritz, Ewing, Carter, and Stosick.

Case, J. I., Company, assignee: See—

Heth, Sherman C.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of acetals. 2,433,890, Jan. 6.

Cassell, Lloyd H., Los Angeles, Calif. Perforation cleaner and washer. 2,433,828, Jan. 6.

Cassidy, Arthur R., assignee: See—

Adams, Harold A.

Catalin Corporation of America, assignee: See—

Flood, William E., and Kosinszki.

Catalyst Research Corporation, assignee: See—

Fraser, Joseph C. W., and Bennett.

Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Focus control for television image tubes. 2,434,196, Jan. 6.

Celanese Corporation of America, assignee: See—

Ward, George C., and Salvin.

Chain Belt Company, assignee: See—

McMillan, Andrew.

Channell, James W., San Marino, Calif. Distributing terminal. 2,434,102, Jan. 6.

Chapman, James E., Phoenix, Ariz., assignor to The Garrett Corporation, Los Angeles, Calif. Induction motor brake. 2,434,034, Jan. 6.

Chilowsky, Constantin, New York, N. Y. Supersonic signal transmitter and receiver. 2,434,143, Jan. 6.

Church, Howard: See—

Collins, Neil R., Mower, and Church.

Clark Equipment Company, assignee: See—

Lapsley, Robert.

Clarkson, Clarence W., Jr., Washington, D. C., and E. J. Krok, Chicago, Ill. Lamp structure. 2,433,982, Jan. 6.

Cleiman, Harry, assignor to Victor Products Corp., Providence, R. I. Expansion bracelet. 2,434,144, Jan. 6.

Cline, Edwin L., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Pre-treating pinene crudes. 2,434,197, Jan. 6.

Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Glycolic ethers of hydroxylated interpolymers and their preparation. 2,434,145, Jan. 6.

Cohler Co., Inc., assignee: See—

Miller, Albert J.

Cole, John W.: See—

Julian, Percy L., Cole, Magnani, and Conde.

Collins, Neil R., and W. W. Mower, Los Altos, and H. Church, Campbell, Calif., assignors, by mesne assignments, to The Permanente Metal Corporation. Preparing magnesium oxide-containing material for reduction purposes. 2,433,891, Jan. 6.

Conde, Harold E.: See—

Julian, Percy L., Cole, Magnani, and Conde.

Consolidated Mining and Smelting Company of Canada, assignee: See—

Sutherland, Brian P., Thompson, Simpkinson, and Morris.

Consolidated Vultee Aircraft Corporation, assignee: See—

Suggs, Dalton B.

Cordis, Nat, Bassett, Wis. Electrical connection. 2,433,892, Jan. 6.

Corning Glass Works, assignee: See—

Armistead, William H.

Sheldon, John L.

Courtney, Joseph F., Chicago, Ill. Illuminated safety switch. 2,434,065, Jan. 6.

Cowgill, Harry B., Jr., Rockville Centre, N. Y. GHder pickup apparatus. 2,433,893, Jan. 6.

Craig, John W.: See—

Money, Roland H., and Craig.

Crepezzl, Anthony, Ozone Park, N. Y. Shoe last. 2,433,983, Jan. 6.

Crowley, Cornelius J.: See—

De Laney, Wallace W., and Crowley.

Cullinan, John F.: See—

Smyth, Glen M., and Cullinan.

Culpepper, John O., Chatham, La. Poultry feeder. 2,433,894, Jan. 6.

Curtis Companies Incorporated, assignee: See—

Bell, Forrest F.

Da-Lite Screw Company, Inc., assignee: See—

Heck, John T., and Du Mais.

Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Gyro-controlled stabilizing system. 2,433,837, Jan. 6.

De Laney, Wallace W., and C. J. Crowley, assignors to The Seamless Rubber Company, New Haven, Conn. Making rubber gloves and like articles. 2,434,035, Jan. 6.

Demarco, Salvatore J., Jr.: See—

Tawney, Chester W., Demarco, and Herrick.

De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,434,146, Jan. 6.

De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,434,147, Jan. 6.

De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,434,148, Jan. 6.

De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,434,149, Jan. 6.

Deutch Company, The, assignee: See—

Miller, William J.

De Vries, George T., Kesley, Iowa. Navigation instrument. 2,433,984, Jan. 6.

Dewey and Almy Chemical Company, assignee: See—

Ross, William C.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds. 2,434,150, Jan. 6.

Dictaphone Corporation, assignee: See—

Bossmeyer, Charles L.

Doering, Raymond A., San Francisco, Calif. Heating stove. 2,433,829, Jan. 6.

Donohoo, Marvin L., Pearl, Ill. Press. 2,434,036, Jan. 6.

Dowty, George H., Cheltenham, England. Endless track landing element and mounting the same on aircraft. 2,433,830, Jan. 6.

Draeger, Arthur A., and C. T. Shewell, Baytown, Tex., assignors to Standard Oil Development Company. Continuously reacting saturated tertiary hydrocarbons and olefines. 2,433,944, Jan. 6.

Duma, Stephen, Staten Island, N. Y. Electrical facial mask. 2,434,198, Jan. 6.

Du Mais, Leo J.: See—

Heck, John T., and Du Mais.

Du Pont, E. I., de Nemours & Company, assignee: See—

Banner, Harry L., and Bair.

Bousquet, Euclid W.

Cass, Oliver W.

Coffman, Donald D.

Hanford, William E.

Johnson, Charles W.

Linch, Adrian L.

Nutting, Robert D.

Roedel, Milton J.

Rosenberg, Hans R., and Woessner.

Sharkey, William H.

Dworkin, Nathan, assignee: See—

Handler, Harry.

Dyer, John B., Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Control for automatic clothes washing machine. 2,434,199, Jan. 6.

Eastman Kodak Company, assignee: See—

De Paolis, Paul F.

Dickey, Joseph B., and McNally.

Luboshez, Benjamin E.

Eaton Manufacturing Company, assignee: See—

Hoern, Joseph H., and Archangel.

Witchger, Eugene S.

Ebersole, George B., Akron, and L. L. Leach, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Material classifier. 2,434,037, Jan. 6.

Electronbeam, Ltd., assignee: See—

Ziebolz, Herbert.

Electronic Laboratories, Inc., assignee: See—

Kevers, Norman R.

Elle, Maurice, H. Gutton, J. J. Hugon, and M. Ponte, Paris, France; vested in the Attorney General of the United States. System for object detection and distance measurement. 2,433,838, Jan. 6.

Elliott, James R., Port Huron, Mich. Road marker. 2,434,103, Jan. 6.

Elmendorf, Andrew G.: See—

Ayers, Edgar H., and Elmendorf.

Engelken, Richard C., deceased, by M. A. Engelken, executrix, Clifton, N. J. Multiprogram projector. 2,434,200, Jan. 6.

Engelken, Richard C., deceased, by M. A. Engelken, executrix, Clifton, N. J. Control system for multiprogram projectors. 2,434,201, Jan. 6.

Engelken, Mary A., executrix: See—

Engelken, Richard C.

Enger-Kress Company, assignee: See—

Pence, William A.

Esseling, Cornelius J., assignor to Werf Conrad En Stork Hilsch N. V., Haarlem, Netherlands. Rotary drill. 2,434,104, Jan. 6.

Evans, Louis P., Woodbury, C. V. Hornberg, Wenonah, and F. E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for contacting gases with particle form solid contact materials. 2,434,202, Jan. 6.

Evans, Theodore W.: See—

Hatch, Lewis F., and Evans.

Ewing, Frederick J.: See—

Zwick, Fritz, Ewing, Carter, and Stosick.

Fairhurst, John, Miami, Fla. Speedometer switch. 2,433,895, Jan. 6.

Farnsworth Research Corporation, assignee: See—

Cawein, Madison.

Farrow, Cecil, Bainbridge Township, Geauga County, assignor to Republic Steel Corporation, Cleveland, Ohio. Method and apparatus for magnetic testing. 2,434,203, Jan. 6.

Fayolle, Marcel, alias, assignee: See—

Ancet, Victor M. J.

Fayolle, Marius, assignee: See—

Ancet, Victor M. J.

Feachem, Charles G. P., Northwich, England, assignor to Imperial Chemical Industries Limited. Prevention of deterioration of grain. 2,434,204, Jan. 6.

Ferguson, Frederick G., Shaker Heights, and R. C. Thompson, Cleveland Heights, assignors to Simplex Products Corporation, Cleveland, Ohio. Shaft seal. 2,433,839, Jan. 6.

Fey, Arthur W., Hazleton, Pa. Chess game recorder. 2,434,066, Jan. 6.

Fields, Charles I., assignor to Arthur Jans, Detroit, Mich. Ascertaining actual positioning of automobile wheels. 2,434,205, Jan. 6.

Fisher, Charles H.: See—

Rehberg, Chessie E., and Fisher.

Fisk, Edwin M., Mission San Jose, Calif. Fuel injection nozzle. 2,434,151, Jan. 6.

Fleming, Edward P., Los Angeles, Calif., and D. H. McIntosh, Corpus Christi, Tex., assignors to American Smelting and Refining Company, New York, N. Y. Apparatus for dressing bullion. 2,434,105, Jan. 6.

Flood, William E., Metuchen, and E. Kosinszki, Fords, N. J., assignors to Catalin Corporation of America. Impregnation of cellulosic material. 2,434,106, Jan. 6.

Fodor, Nicholas, Wilmette, Ill. Fuel injector. 2,433,985, Jan. 6.

Folsom, Rolfe A., Burlingame, Calif. Pipe joint. 2,434,107, Jan. 6.

Forbes, James R., Melbourne, Victoria, Australia. Button back for covered buttons. 2,433,986, Jan. 6.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Internal-combustion engine. 2,434,038, Jan. 6.

Ford Motor Company, assignee: See—

Ford, Henry.

Foreman, Julius C., Chicago, Ill. Garbage can liner. 2,433,945, Jan. 6.

Forry, James E., Culver City, assignor to The Garrett Corporation, Alresearch Manufacturing Company division, Los Angeles, Calif. Holding device. 2,434,152, Jan. 6.

Fowler, Clarence B., Washington, D. C. Lamp circuit and control. 2,433,840, Jan. 6.

Frazer, Joseph W. C., Baltimore, Md., and O. G. Bennett, Forest Hills, assignors to Catalyst Research Corporation, Pittsburgh Pa. Short delay fuse elements. 2,434,067, Jan. 6.

Friden Calculating Machine Co., Inc., assignee: See—

Moody, John L.

Frieders, Robert T., Menasha, assignor to Marathon Corporation, Rothschild, Wis. Folded napkin dispenser. 2,434,206, Jan. 6.

Gapen, Clarence A. and L. Morgantown, W. Va. Anti-skid rubber tire. 2,434,207, Jan. 6.

Gapen, Lonnie: See—

Gapen, Clarence A. and L.

Garrett Corporation, The, assignee: See—

Chapman, James E.

Garrett Corporation, Alresearch Manufacturing Company division, The, assignee: See—

Forry, James E.

Gauge, Pitter, assignee, et al.: See—

Glover, Leonard E.

Gaugler, Richard S., Dayton, and H. W. Guenther, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Aeroplane propeller having an ice preventing coating. 2,434,208, Jan. 6.

Gause, Marvin B., Yakima, and E. O. Burling, Vancouver, Wash., assignors to California Packing Corporation, San Francisco, Calif. Photoelectrically controlled apparatus for grading pears according to length. 2,433,946, Jan. 6.

Gay, Frazer W., Metuchen, N. J. Storing fluids for power generation. 2,433,896, Jan. 6.

Gaylord Container Corporation, assignee: See—

Rosenberg, Leon J.

Gelisse, John H., Madison, Wis. Roadable airplane with folding and detachable wings. 2,434,068, Jan. 6.

General Aniline & Film Corporation, assignee: See—

Saunders, David E.

General Electric Company, assignee: See—

Ayers, Edgar H.

Hoffmann, Georges.

McArthur, Elmer D.

Newman, Delbert F.

General Motors Corporation, assignee: See—

Braun, Adolph F.

Dyer, John B.

Gaugler, Richard S., and Guenther.

Gereke, Oscar, Stockett, Mont. Dehorning paste applicator. 2,433,947, Jan. 6.

Gibson, Ransom R., Wattsville, S. C. Bunch builder mechanism. 2,433,897, Jan. 6.

Gilman, Webster E., assignor to Permoflux Corporation, Chicago, Ill. Magnetostrictive vibrator unit. 2,433,898, Jan. 6.

Glazier, Harold P., assignor to The Murray Corporation of America, Detroit, Mich. Device for inserting springs in pockets. 2,434,209, Jan. 6.

Gleitz, Herbert, Euclid, and C. E. Miller, East Cleveland, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Textile spindle mounting. 2,433,987, Jan. 6.

Glidden Company, The, assignee: See—

Julian, Percy L., Cole, Magnani, and Conde.

Glover, Leonard E., assignor to himself and Pitter Gauge & Precision Tool Co. Limited, Leatherhead, England. Length bar for micrometer gauges and the like. 2,433,988, Jan. 6.

Glud, William T., Bremerton, Wash. Pivoted forming die for reciprocating metal plate bender. 2,433,841, Jan. 6.

Goldberg, Harold, Irondequoit, assignor to Stromberg-Carlson Company, Rochester, N. Y. Electronically regulated power supply. 2,434,069, Jan. 6.

Good, Frederick C., Philadelphia, Pa. Universal joint. 2,433,948, Jan. 6.

Goodings, Eric P., and M. A. T. Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of new pyrrole colouring matters. 2,434,039, Jan. 6.

Goodman Manufacturing Company, assignee: See—

Sloane, William W.

Granger, Floyd R., San Pedro, Calif. Vise for clamping the end portions of cables or ropes. 2,433,899, Jan. 6.

Gray, George F.: See—

Pratt, Verneur E., and Gray.

Griffin, Frank H., Wawa, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying rayon thread by high-frequency electric current. 2,433,842, Jan. 6.

Grime, Edward P., Los Angeles, Calif. Lifting apparatus. 2,433,900, Jan. 6.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electronic switching circuits. 2,434,153, Jan. 6.

Gross, Henry R., Chicago, Ill. Flasher. 2,434,070, Jan. 6.

Guenther, Hugh W.: See—
Gaugler, Richard S., and Guenther.

Guggenheim Brothers, assignee: See—
Bevan, John G.

Gurin, Paul E., Brooklyn, N. Y. Electrical attachment plug. 2,434,154, Jan. 6.

Gutton, Henri: See—
Elle, Maurice, Gutton, Hugon, and Ponte.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Guide mechanism. 2,434,210, Jan. 6.

Ham, Garnet P.: See—
Barnes, Robert B., and Ham.

Hammond, Edmund B., Jr., Brooklyn, and G. E. White, Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Fixed gun interaircraft fire control system. 2,433,843, Jan. 6.

Handler, Harry, assignor to one-half to N. Dworkin, Brooklyn, N. Y. Lighting unit. 2,434,108, Jan. 6.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Organic fluorethers and their preparation. 2,433,844, Jan. 6.

Hansen, Hans J., Chicago, Ill. Automatically supplying distilled water to storage batteries. 2,433,989, Jan. 6.

Harasta, Clarence J., Los Angeles, Calif., assignor of twenty-five per cent to R. M. Lynn, twenty-five per cent to J. M. Lynn, and twenty-five per cent to M. A. Harasta. Aircraft gun sight having adjustable transparent reflector means. 2,434,109, Jan. 6.

Harasta, Mildred A., assignee, et al.: See—
Harasta, Clarence J.

Hardy, Gordon W., Cleveland Heights, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Controllable pitch propeller mechanism. 2,433,990, Jan. 6.

Hartford National Bank and Trust Company, assignee: See—
Verwey, Evert J. W., and van Bruggen.

Hartman, Benjamin F., Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrogen fluoride recovery. 2,434,040, Jan. 6.

Hatch, Lewis F., Austin, Tex., and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Hydrating olefinic aldehydes. 2,434,110, Jan. 6.

Hawley, Thomas G., Jr., St. Paul, Minn., and N. Timenes, Waterbury, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacturing elastic fabrics. 2,434,111, Jan. 6.

Hayashi, Henry, Topaz, Utah. Pyrex steam electric iron. 2,433,901, Jan. 6.

Hayes, Harvey C., Washington, D. C., and H. M. Trent, Alexandria, Va. Sound operated relay system. 2,433,845, Jan. 6.

Haynes, Robert L., Indianapolis, Ind., assignor to Radio Corporation of America. Electronically controlled variable gain amplifier. 2,434,155, Jan. 6.

Hebb, Malcolm H., Cambridge, Mass., assignor to the United States Government, as represented by the Secretary of the Navy. Lag-lead line for bearing deviation indicators. 2,433,991, Jan. 6.

Heck, John T., Elmhurst, and L. J. Du Mais, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Picture screen supporting structure. 2,434,071, Jan. 6.

Heimlich, Milton, Larchmont, N. Y., and F. H. Ogden, Arlington, Mass. Readily removable ticket. 2,433,949, Jan. 6.

Heints, James C., Lakewood, Ohio. Retreading tires. 2,434,156, Jan. 6.

Hemphill Company, assignee: See—
St. Pierre, Eugene.

Henderson, Donald, North Hollywood, Calif. Crash seat for high-speed conveyances. 2,433,950, Jan. 6.

Henrichsen, Knut, Los Angeles, Calif., assignor to North American Aviation, Inc. Railway truck. 2,433,902, Jan. 6.

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory Co., Inc., Indianapolis, Ind. Making clad metal bodies. 2,433,903, Jan. 6.

Heppard, Chester S., Celina, Ohio. Electronic photometer. 2,434,157, Jan. 6.

Herr, Park A., Hillside, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Filled bag sewing machine. 2,434,158, Jan. 6.

Herrick, Percy H.: See—
Tawney, Chester W., Demarco, and Herrick.

Hesser, James M., Roanoke, Va., assignor to The Union Switch and Signal Company, Swissvale, Pa. Announcing and indicating apparatus. 2,434,041, Jan. 6.

Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Horse hitch attachment for harvesters. 2,433,904, Jan. 6.

Hickman, Charles E., Adrian, Mich. Refrigerator evaporator. 2,433,951, Jan. 6.

Hines, Samuel J., Alexandria, La. Safety parachute. 2,433,952, Jan. 6.

Hoern, Joseph H., and M. D. Archangel, Birmingham, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio. Tappet construction. 2,434,072, Jan. 6.

Hoernle, Adolph W., New York, N. Y. Machine for making terminals and the like. 2,434,159, Jan. 6.

Hoffmann, Georges, Belfort, France, assignor to General Electric Company. Reversible turbine arrangement for cooling idle turbines. 2,434,160, Jan. 6.

Hollingsworth, Douglas T.: See—
Brazier, Leslie G., and Hollingsworth.

Holthouse, Harry B., Jr., Chicago, Ill., assignor to Motorola, Inc. Control system. 2,433,846, Jan. 6.

Homrighous, John H., Oak Park, Ill. Electrical control for multiple heating units in tubes. 2,434,161, Jan. 6.

Hornberg, Charles V.: See—
Evans, Louis P., Hornberg, and Ray.

Houdry Process Corporation, assignee: See—
Shabaker, Hubert A.

Hughes, Henry, & Son Limited, assignee: See—
Sproule, Donald Orr.

Hughes, Malvern E., San Jose, assignor to Shell Development Company, San Francisco, Calif. Polymer pigmentation. 2,433,992, Jan. 6.

Hughes, Walter L., Jr., Boston, Mass., assignor to the United States of America, as represented by the Secretary of War. Crystallization of albumin and the preparation of protein products therefrom. 2,433,905, Jan. 6.

Hugon, Jean J.: See—
Elle, Maurice, Gutton, Hugon, and Ponte.

Hull, Denison B., Winnetka, and L. E. Medlin, Evanston, Ill. Electrical connector. 2,434,211, Jan. 6.

Hunter, Charles R., Camden, N. J. Threshold seal and locking device. 2,434,042, Jan. 6.

Husted, George E., San Francisco, Calif. Film clamp. 2,433,906, Jan. 6.

Hynek, Joseph F., Smithton, Pa. Piston ring expander. 2,433,907, Jan. 6.

Imber, Jack, Farnham Common, England. Bombs, pyrotechnic devices, and the like. 2,434,162, Jan. 6.

Imperial Chemical Industries Limited, assignee: See—
Feachem, Charles G. P.

Goodings, Eric P., and Rogers.

Ingersoll-Rand Company, assignee: See—
Stepanoff, Alexey J.

Ingres, Jeannot G., Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va. Pressure booster for hydraulic brake systems. 2,433,953, Jan. 6.

International Cigar Machinery Company, assignee: See—
Wells, Franklin H., and Sowa.

Ippolito, Gaspar, New York, N. Y. Corkscrew with point protector. 2,434,212, Jan. 6.

Isenberg, Hans D., Wilmette, Ill. Method and apparatus for making insulated cable. 2,434,073, Jan. 6.

Jackson, James G., assignor of one-half to J. N. Trumpour, Port Alberni, British Columbia, Canada. Reel signal for motion picture projection apparatus. 2,433,908, Jan. 6.

Jakeway, Gerald V., and I. S. Keeler, assignors to Keeler Brass Company, Grand Rapids, Mich. Hardware article. 2,433,993, Jan. 6.

James, Bill Y., assignor of one-half to C. Y. James, Miami, Okla. Collapsible preformed package jacket. 2,433,994, Jan. 6.

James, Caroline Y., assignee: See—
James, Bill Y.

Jans, Arthur, assignee: See—
Fields, Charles I.

Jefferies, Richard H., Richmond, Va. Gun sight. 2,433,909, Jan. 6.

Jeffers, Frank E., Wheaton, Ill. Attachment for digging implements. 2,434,074, Jan. 6.

Jennings, Arthur L., and H. C. Brown, Jr., assignors to Armstrong Cork Company, Lancaster, Pa. Sealed insulation block. 2,433,847, Jan. 6.

Jobe, Earl, El Cajon, Calif. Egg case carrier. 2,434,163, Jan. 6.

Johnson, Charles W., East Brunswick Township, Middlesex County, N. J., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Putty composition comprising a polymethacrylate and filler. 2,433,910, Jan. 6.

Johnson, Sanford, Sioux City, Iowa. Saw jointer. 2,434,164, Jan. 6.

Johnston, Leith, Park Ridge, Ill. Lead through terminal. 2,433,911, Jan. 6.

Joy Manufacturing Company, assignee: See—
Paget, Win W.

Julian, Percy L., Maywood, J. W. Cole, Chicago, A. Magnani, Wilmette, and H. E. Conde, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Procedure for preparation of progesterone. 2,433,848, Jan. 6.

Juvinal, James W., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of electric lamps. 2,434,165, Jan. 6.

Kayser, Julius, & Company, assignee: See—
Levine, Louis.

Keagle, Stanley E., Minneapolis, Minn. Feeder. 2,433,912, Jan. 6.

Keeler Brass Company, assignee: See—
Jakeway, Gerald V., and Keeler.

Keeler, Isaac S.: See—
Jakeway, Gerald V., and Keeler.

Kelley, Zar W., Bedford, assignor to Z & W Machine Products, Inc., Cleveland, Ohio. Toolholder. 2,434,075, Jan. 6.

Kelsey-Hayes Wheel Company, assignee: See—
Sinclair, Charles W.

Kershaw, Henry, Belleville, N. J. Hermetically sealed crystal assembly. 2,434,043, Jan. 6.

Kevers, Norman R., assignor to Electronic Laboratories, Inc., Indianapolis, Ind. Game or toy. 2,433,995, Jan. 6.

Kilham, Peter, Attleboro, assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield. 2,434,076, Jan. 6.

Kirk, Walter B.: See—
Rush, John W., and Kirk.

Klein, David I., New York, N. Y. Slip. 2,434,112, Jan. 6.

Klumpp, Gottlob, Bronx, N. Y. Electric cooker. 2,434,166, Jan. 6.

Kness, Austin E., Albia, Iowa. Animal trap. 2,433,913, Jan. 6.

Knoblauch, Ernest O., St. Louis, Mo. Valved coupling. 2,434,167, Jan. 6.

Kosinski, Edward: See—
Flood, William E., and Kosinski.

Kovary, Olivio, New York, N. Y. Carriage robe. 2,434,213, Jan. 6.

Krok, Edward J.: See—
Clarkson, Clarence W., Jr., and Krok.

Krueger, Archie S.: See—
Broeen, Frank L., Slye, and Krueger.

Krumhaar, William, New York, N. Y. Pentaerythritol rosinate polymers and preparing same. 2,434,168, Jan. 6.

Lang, Joseph C., assignor to Bocil Corporation, Pittsburgh, Pa. Staple strip and staple. 2,433,914, Jan. 6.

Lang, Sandy, Chicago, Ill. Kite. 2,434,077, Jan. 6.

Lapey, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Fluid pump and control therefor. 2,433,954, Jan. 6.

Larsen, Earl I.: See—
Hensel, Franz R., and Larsen.

Larsen, Henry M., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drier for coated wires. 2,434,169, Jan. 6.

Latchum, John W., Jr., Bartlesville, Okla. Hydrogen chloride recovery in a butane isomerization process. 2,433,996, Jan. 6.

Lathrop, Elbert C., and S. I. Aronovsky, Peoria, Ill., assignors to the United States of America, as represented by the Secretary of Agriculture. Cork substitute and its production. 2,433,849, Jan. 6.

Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,434,170, Jan. 6.

Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,434,171, Jan. 6.

Leach, Lester L.: See—
Ebersole, George B., and Leach.

Lerstrup, Karl, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Protective system for current converters utilizing differentially connected saturable reactors. 2,434,214, Jan. 6.

Les Usines de Melle (Societe Anonyme), assignee: See—
Verneaud, Paul, and Pigeot.

Levine, Louis, Jersey City, N. J., assignor to Julius Kayser & Co., New York, N. Y. Glove and making the same. 2,434,044, Jan. 6.

Leviton, Abraham, Washington, D. C., dedicated to the free use of the People in the territory of the United States. Ice-cream mix. 2,433,850, Jan. 6.

Lieber, Eugene, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Pour point depressant. 2,433,851, Jan. 6.

Lieber, Eugene, West New Brighton, Staten Island, N. Y. Condensation product and preparation and use thereof. 2,433,852, Jan. 6.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quaternary ammonium sulfon halides. 2,433,997, Jan. 6.

Lincoln, Bert H., and W. L. Steiner, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Sulfurized oils. 2,433,853, Jan. 6.

Lombardi Knitting Machine Co., Inc., assignee: See—
Lombardi, Vincent.

Lombardi, Vincent, assignor to Lombardi Knitting Machine Co., Inc., Miami, Fla. Knitted fabric and method. 2,434,045, Jan. 6.

Long, Olive L., Reno, Nev. Child's undershirt. 2,433,915, Jan. 6.

Lorenz, Henry W. F., Jersey City, N. J. Selective adsorption of lubricants. 2,434,113, Jan. 6.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Inexpensive monoblock range finder. 2,434,172, Jan. 6.

Lubri-Zol Development Corporation, The, assignee: See—
Lincoln, Bert H., and Steiner.

Lussardi, John P. J., Roebuck, assignor to Andrews Company, Spartanburg, S. C. Dent for weaving reeds. 2,434,114, Jan. 6.

Lynn, Julia M., assignee, et al.: See—
Harasta, Clarence J.

Lynn, Robert M., assignee, et al.: See—
Harasta, Clarence J.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,433,854, Jan. 6.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,433,855, Jan. 6.

Mackenzie, Neil M., and M. E. Nestler, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Dyeing wool with azo dye chrome complexes and chromic salts. 2,434,173, Jan. 6.

Magnani, Arthur: See—
Julian, Percy L., Cole, Magnani, and Conde.

Magnesi, Joseph A., Pittsburg, Calif. Egg separator. 2,434,046, Jan. 6.

Malerman, Nathan, Forest Hills, N. Y. Lip protector device. 2,434,078, Jan. 6.

Mallory, P. R. Co., Inc., assignee: See—
Hensel, Franz R., and Larsen.

Malsbary Manufacturing Company, assignee: See—
Taylor, Walter W.

Marathon Corporation, assignee: See—
Broeren, Frank L., Slye, and Krueger.

Frieders, Robert T.

Marhoefer, Laurence J., Haddon Heights, assignor to Vidal Corporation, Camden, N. J. Bomb carrying glider. 2,433,998, Jan. 6.

Marhoefer, Laurence J., Haddon Heights, assignor to Vidal Corporation, Camden, N. J. Wing and stabilizer structure for gliders. 2,433,999, Jan. 6.

Marlhart, Leo A., Monterey County, Calif. Apparatus for use in agricultural machines. 2,433,856, Jan. 6.

Marquette Metal Products Company, The, assignee: See—
Hardy, Gordon W.

Gleitz, Herbert, and Miller.

Mattson, David W., Minneapolis, Minn. Bottle carrier. 2,433,857, Jan. 6.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of motor fuel. 2,434,000, Jan. 6.

Maxson, Lisle J., U. S. Navy. Airplane handling device. 2,433,858, Jan. 6.

May, Harry C., East McKeesport, and R. R. Stevens, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control mechanism for propulsion systems. 2,433,916, Jan. 6.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Control valve for gaseous fuel burners. 2,434,215, Jan. 6.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device and coaxial line cavity resonator therefor. 2,434,115, Jan. 6.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency resonator device. 2,434,116, Jan. 6.

McArthur, James E., San Francisco, Calif. Bobby pin dispenser and spreader. 2,434,047, Jan. 6.

McCartney, William J., San Francisco, Calif. Outlet box and plug-in connections therefor. 2,433,917, Jan. 6.

McCormick, J. Wesley, Vallejo, Calif. Boatwain's chair. 2,433,859, Jan. 6.

McCoy, George E.: See—
Battley, Edwin R., and McCoy.

McCray Refrigerator Company, assignee: See—
Bentley, George K.

McDowell, Henry W., U. S. Navy, Summit, N. J. Plotting apparatus. 2,433,860, Jan. 6.

McIntosh, Donald H.: See—
Fleming, Edward P., and McIntosh.

McMillan, Andrew, assignor to Chain Belt Company, Milwaukee, Wis. Transfer mechanism for plural compartment concrete mixing drums. 2,434,216, Jan. 6.

McNally, James G.: See—
Dickey, Joseph B., and McNally.

McNulty, George M., and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Grease composition. 2,433,861, Jan. 6.

Medlin, Lewis E.: See—
Hull, Denison B., and Medlin.

Mefferd, Paul S., Laurens, Iowa. Hydraulic oil pump. 2,433,918, Jan. 6.

Merck & Co., Inc., assignee: See—
Tishler, Max.

Weijlard, John, and Messerly.

Messerly, John P.: See—
Weijlard, John, and Messerly.

Metals & Controls Corporation, assignee: See—
Wilson, Harold M.

Meynig, Robert E., La Porte, Tex. Paraffin scraper. 2,433,955, Jan. 6.

Midwest Company, The, assignee: See—
Schaaf, Edward J., and Greedy.

Miller, Albert J., York, assignor to Cohler Co., Inc. Red Lion, Pa. Trouser construction. 2,434,217, Jan. 6.

Miller, Charles E.: See—
Gleitz, Herbert, and Miller.

Miller, George L., Hornchurch, England, assignor to Murex Limited. Manufacture of alloys containing molybdenum. 2,434,048, Jan. 6.

Miller, Raymond J., assignor to Bendix Aviation Corporation, Detroit, Mich. Rotary fluid torque converter and coupling. 2,434,218, Jan. 6.

Miller, William J., Glendale, assignor to The Deutsch Company, Los Angeles, Calif. Ligation instrument. 2,433,956, Jan. 6.

Milliholland, James H., Philadelphia, Pa. Handling holder for opening eggs. 2,433,957, Jan. 6.

Minneapolis-Honeywell Regulator Company, assignee: See—
 Newton, Alwin B.
 Mitchell, Joseph J., Oakland, Calif. Rodent trap. 2,433,919, Jan. 6.
 Modern Plastic Machinery Corporation, assignee: See—
 Tornberg, Henning T.
 Moline, Walter E.: See—
 Thompson, Merrill M., and Moline.
 Money, Roland H., Mount Healthy, and J. W. Craig, Cincinnati, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation. Shelf structure with guard for refrigerator doors. 2,434,117, Jan. 6.
 Monsanto Chemical Company, assignee: See—
 Thordahl, Monte C.
 Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Governor construction. 2,434,001, Jan. 6.
 Moore, Glenn, assignee: See—
 Brown, Franklin M.
 Moore, Stanley S., Stockton, Calif. Front end elevator for tractors. 2,434,002, Jan. 6.
 Morgan, Joseph P., New Castle, Pa. Safety brake for band saw blades. 2,434,174, Jan. 6.
 Morse, Harold M.: See—
 Walker, Brooks, and Morse.
 Morris, Darcy D.: See—
 Sutherland, Brian P., Thompson, Simpkinson, and Morris.
 Morrison, Fred C., Babbitt, Nev. Hose coupling. 2,434,219, Jan. 6.
 Morrison, Willard L., Lake Forest, Ill. Vacuum desiccating apparatus using the evaporator and condenser of a refrigerating device. 2,434,003, Jan. 6.
 Morton, Albert A., Vancouver, Wash., assignor to A. A. Morton, Portland, Oreg. Apparatus for converting reciprocal vertical motion into rotary motion. 2,434,004, Jan. 6.
 Morton, Alfred A., assignee: See—
 Morton, Albert A.
 Mossman, Donald P., assignor to Donald P. Mossman, Inc., Chicago, Ill. Rotary switch. 2,433,920, Jan. 6.
 Mossman, Donald P., Inc., assignee: See—
 Mossman, Donald P.
 Motorola, Inc., assignee: See—
 Holthouse, Harry E., Jr.
 Mower, William W.: See—
 Collins, Neil R., Mower, and Church.
 Muir, George, Cohasset, and O. L. Schleicher, Boston, Mass. Lobster bait. 2,434,220, Jan. 6.
 Murex Limited, Inc., assignee: See—
 Miller, George L.
 Murphy, Howard, assignee: See—
 Rausenberger, Herman G.
 Murray Corporation of America, The, assignee: See—
 Glazier, Harold P.
 Nadeau, Ross, East Orange, N. J. Display card filling apparatus. 2,433,862, Jan. 6.
 National Cash Register Company, The, assignee: See—
 Thompson, Merrill M., and Moline.
 National Distillers Products Corporation, assignee: See—
 Pattee, Ellis C.
 Navy, the United States Government, as represented by the Secretary of the: See—
 Hebb, Malcolm H.
 Nelson, Nels O., San Juan, Tex. Transmission hoist. 2,433,921, Jan. 6.
 Nestler, Max E.: See—
 Mackenzie, Nell M., and Nestler.
 Newman, Delbert E., Schenectady, N. Y., assignor to General Electric Company. Restrictor tube for refrigerator systems. 2,434,118, Jan. 6.
 Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control means for plural stage refrigerating system. 2,434,221, Jan. 6.
 Nordberg Manufacturing Company, assignee: See—
 Symons, Loren G.
 Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Automatic reel. 2,434,119, Jan. 6.
 Nordquist, Robert G., Glen Ellyn, assignor to Patent License Corporation, Chicago, Ill. Lighting fixture. 2,434,049, Jan. 6.
 North American Aviation, Inc., assignee: See—
 Henriksen, Knut.
 Noyes, Stanley E., Los Angeles, Calif. Dental impression composition. 2,434,005, Jan. 6.
 Nutting, Robert D., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dielectric material and making same. 2,434,079, Jan. 6.
 Nye, Norman H., Cuyahoga Falls, and W. E. Rogers, Stow, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Draw bench carriage. 2,434,006, Jan. 6.
 O'Dea, Frederick N., assignor of one-third to N. O'Dea and one-third to M. O'Dea, Baltimore, Md. Headrest. 2,434,007, Jan. 6.
 O'Dea, Marie, assignee, et al.: See—
 O'Dea, Frederick N.
 O'Dea, Nora, assignee, et al.: See—
 O'Dea, Frederick N.
 Ogden, Floyd H.: See—
 Heimlich, Milton, and Ogden.
 Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generation circuit. 2,433,863, Jan. 6.

Olivier, Benjamin, New York, N. Y. Cigarette receptacle and dispenser. 2,434,222, Jan. 6.
 Osborn, Jesse C., Carlyle, Ill. Manufacturing of capillary tubing. 2,434,008, Jan. 6.
 Osterberg, Harold, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for treating surfaces. 2,433,922, Jan. 6.
 Ozols, Karlis V., Brooklyn, N. Y. Steam operated horn. 2,434,175, Jan. 6.
 Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,434,120, Jan. 6.
 Palmer, Walter E., Cicero, Ill. Safety device. 2,434,009, Jan. 6.
 Park, Robert H., Millington, N. J., assignor to American Cyanamid Company, New York, N. Y. High gain amplifier. 2,434,223, Jan. 6.
 Parmalee, A. F., assignee: See—
 Wallace, Harold E.
 Patent License Corporation, assignee: See—
 Nordquist, Robert G.
 Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation. Recovering potassium acid tartrate from winery residues containing potassium acid tartrate and other organic materials not in solution. 2,433,864, Jan. 6.
 Paul, Lawrence C., Newton, assignor to Badger Fire Extinguisher Company, Somerville, Mass. Expansion joint. 2,434,224, Jan. 6.
 Pence, William A., Adell, assignor to Enger-Kress Company, West Bend, Wis. Stitchless billfold with interlocked closure flaps. 2,434,121, Jan. 6.
 People in the territory of The United States, Dedicated to the Free Use of the: See—
 Leviton, Abraham.
 Permanente Metals Corporation, The, assignee: See—
 Collins, Neil R., Mower, and Church.
 Permoflux Corporation, assignee: See—
 Gilman, Webster E.
 Philco Corporation, assignee: See—
 Stewart, William A.
 Phillips Petroleum Company, assignee: See—
 Axe, William N.
 Latchum, John W., Jr.
 Matuszak, Maryan P.
 Pigeot, Jean: See—
 Vergnaud, Paul, and Pigeot.
 Pihl, George E., Boston, Mass., assignor to The Western Union Telegraph Company, New York, N. Y. High-frequency multiplier system. 2,433,865, Jan. 6.
 Pittman, Ralph R., Park Hill, Ark. Voltage-limiting arc interrupter. 2,434,010, Jan. 6.
 Pittman, Ralph R., Park Hill, Ark. Voltage-limiting arc interrupter. 2,434,011, Jan. 6.
 Polaroid Corporation, assignee: See—
 Kilham, Peter.
 Ponte, Maurice: See—
 Elie, Maurice, Gutton, Hugon, and Ponte.
 Ponti, Carl A., Chicago, Ill. Switch. 2,434,012, Jan. 6.
 Potthoff, Kurt T., Brooklyn, N. Y. Spray coating machine. 2,434,176, Jan. 6.
 Power Industries, Incorporated, assignee: See—
 Taplin, John F.
 Power Jets (Research and Development) Limited, assignee: See—
 Whittle, Frank.
 Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Locking means for indicating instruments. 2,433,923, Jan. 6.
 Precision Tool Co. Limited, assignee: See—
 Glover, Leonard Ernest.
 Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Tractor-trailer brake system. 2,434,050, Jan. 6.
 Prior, Ethel M., West Hartford, Conn. Cover for flatiron stands. 2,434,225, Jan. 6.
 Pure Oil Company, The, assignee: See—
 Ayers, George W.
 Radio Corporation of America, assignee: See—
 Grosdoff, Igor E.
 Haynes, Robert L.
 Welmer, Paul K.
 Ranco Incorporated, assignee: See—
 Raney, Eldon D.
 Randol, Glenn T., Muncie, Ind. Preselective power drive control system. 2,434,051, Jan. 6.
 Raney, Eldon D., assignor to Ranco Incorporated, Columbus, Ohio. Motion transmitting linkage for instruments. 2,434,052, Jan. 6.
 Rausenberger, Herman G., Yonkers, N. Y., assignor of one-half to H. Murphy, Glen Ridge, N. J. Apparatus for supplying liquid fuel and air to variable-speed internal combustion engines. 2,433,958, Jan. 6.
 Rawlings Manufacturing Company, assignee: See—
 Latina, Harry B.
 Ray, Frederick E.: See—
 Evans, Louis P., Hornberg, and Ray.
 Raytheon Manufacturing Company, assignee: See—
 Dawson, John W.
 Rehberg, Chessie E., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Making tuffuryl acrylate. 2,433,866, Jan. 6.

Reichold, Ludwig, Winsted, assignor to The Silux Company, Hartford, Conn. Handle for coffee makers. 2,434,122, Jan. 6.
 Remington Arms Company, Inc., assignee: See—
 Slater, Raymond E.
 Republic Steel Corporation, assignee: See—
 Farrow, Cecil.
 Whitehouse, Irving P.
 Resina, Manuel S., Brooklyn, N. Y. Cap feeding machine. 2,434,053, Jan. 6.
 Reynolds, Charles H., Malden, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Electrical connector. 2,434,226, Jan. 6.
 Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,433,924, Jan. 6.
 Richardson, Philip B., Montclair, N. J., assignor to Richardson Scale Company, Clifton, N. J. Weighing apparatus. 2,434,177, Jan. 6.
 Richardson Scale Company, assignee: See—
 Richardson, Philip B.
 Ridgers, Frederick C., and C. W. Cassels, assignors to N. Slater Company, Limited, Hamilton, Ontario, Canada. Ground line bond. 2,434,123, Jan. 6.
 Ringler, William A., Wayne, assignor to Wolf Brothers, Philadelphia, Pa. Paper bag. 2,433,867, Jan. 6.
 Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified polymers of open chain monoethylenically unsaturated compounds having a terminal methylene group. 2,434,054, Jan. 6.
 Rogers, Maurice A. T.: See—
 Goodings, Eric P., and Rogers.
 Rogers, Walter E.: See—
 Nye, Norman H., and Rogers.
 Rosa, Leonard J., Detroit, Mich. Push rod. 2,434,080, Jan. 6.
 Rosenberg, Hans R., and W. W. Woessner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stable provitamin D composition. 2,434,015, Jan. 6.
 Rosenberg, Leon J., Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,434,014, Jan. 6.
 Ross, James H.: See—
 Schlessler, Robert W., and Ross.
 Ross, William C., Winchester, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Printing textiles with a powdered blanket. 2,434,013, Jan. 6.
 Rowe, Standish S., Cambridge, Mass. Strand guide. 2,434,227, Jan. 6.
 Royer, George L., North Plainfield, and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Metachrome dyeing with a colloidal cationic agent. 2,434,178, Jan. 6.
 Runkle, Lorin R., assignor to The Studebaker Corporation, South Bend, Ind. Stud driving machine. 2,433,959, Jan. 6.
 Rush, John W., Wilkinsburg, and W. B. Kirk, East McKeesport, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control apparatus. 2,433,925, Jan. 6.
 St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,433,931, Jan. 6.
 Sale, William H., Richmond, Va. Journal box and dust guard. 2,434,228, Jan. 6.
 Salvini, Victor S.: See—
 Ward, George C., and Salvini.
 Sauer, Christian H., assignor to J. T. Alm, Chico, Calif. Vehicle brake mounting means. 2,434,055, Jan. 6.
 Saunders, David R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of alpha-haloacrylic compounds. 2,434,229, Jan. 6.
 Sayre, Le Roy S., Stuttgart, Ark. Vending container. 2,433,926, Jan. 6.
 Schaaf, Edward J., and E. F. Greedy, Anderson, Iowa, assignors to The Midwest Co., Nebraska City, Nebr. Corn harvester. 2,434,124, Jan. 6.
 Schlessler, Robert W., State College, Pa., and J. H. Ross, Montreal, Quebec, Canada. Preparing 1,3,5. trinitro hexahydro s-triazine. 2,434,230, Jan. 6.
 Schlecht, Harold G., Palatka, Fla. Mechanical operating rocket supported bodies. 2,434,081, Jan. 6.
 Schleicher, Otto L.: See—
 Muir, George, and Schleicher.
 Schweitzer, Howard V., Shaker Heights, Ohio. Painting method. 2,434,125, Jan. 6.
 Schweppe, Everett C., Topeka, Kans. Safety pocket. 2,433,927, Jan. 6.
 Scovill Manufacturing Company, assignee: See—
 Spearrin, William R.
 Seamless Rubber Company, The, assignee: See—
 De Laney, Wallace W., and Crowley.
 Seifert, Henry R., St. Paul, Minn. Expansion reamer. 2,434,126, Jan. 6.
 Seitz, Andy J., assignor to Wingfoot Corporation, Akron, Ohio. Manufacturing cast vinyl resin film, sheeting, and the like. 2,434,231, Jan. 6.
 Sensiper, Samuel, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Radar test apparatus. 2,433,868, Jan. 6.
 Servel, Inc., assignee: See—
 Brothers, Alvin O.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Preparation of contact masses. 2,433,869, Jan. 6.
 Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydroxyalkyl ethers of hydroxylated interpolymers and their preparation. 2,434,179, Jan. 6.
 Sharpe, John S., Haverford, Pa. Mechanical movement. 2,434,082, Jan. 6.
 Sheldon, John L., assignor to Corning Glass Works, Corning, N. Y. Improving stability and ultraviolet transmission of glass. 2,433,928, Jan. 6.
 Shell Development Company, assignee: See—
 Hatch, Lewis F., and Evans.
 Hughes, Malvern E.
 Sherman, Robert S., Lynn, Mass. Air conditioning apparatus. 2,433,960, Jan. 6.
 Shewell, Charles T.: See—
 Draeger, Arthur A., and Shewell.
 Shields, James R., assignor to Blaw-Knox Company, Pittsburgh, Pa. Immersion heater for vapor heating jacket or the like. 2,434,016, Jan. 6.
 Silux Company, The, assignee: See—
 Bassett, Edward H.
 Reichold, Ludwig.
 Wolcott, Frank E.
 Simpkinson, Cecil H.: See—
 Sutherland, Brian P., Thompson, Simpkinson, and Morris.
 Simplex Products Corporation, assignee: See—
 Ferguson, Fredrick G., and Thompson.
 Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,434,180, Jan. 6.
 Singer Manufacturing Company, The, assignee: See—
 Herr, Park A.
 Singleton, William W., assignor to Bendix Aviation Corporation, Detroit, Mich. Grille. 2,434,232, Jan. 6.
 Siple, Paul A.: See—
 Bazett, Henry C., and Siple.
 Slater, N., Company, assignee: See—
 Ridgers, George F., and Cassels.
 Slater, Raymond E., New Rochelle, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Conical die for metal drawing. 2,433,929, Jan. 6.
 Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyor. 2,433,961, Jan. 6.
 Sloane, William W., Chicago, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyor. 2,434,127, Jan. 6.
 Slye, Norman J.: See—
 Broeren, Frank L., Slye, and Krueger.
 Smyth, Glen M., and J. F. Cullinan, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of anthrimide-carbazole dyestuffs. 2,434,056, Jan. 6.
 Snedeker, Claude Q., Canton, Ohio. Antiskid device. 2,434,017, Jan. 6.
 Snyder, Harry D., New York, assignor, by mesne assignments, to Speed Products Company, Inc., Long Island City, N. Y. File fastener. 2,434,083, Jan. 6.
 Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Container handle. 2,433,870, Jan. 6.
 Socony-Vacuum Oil Company, Incorporated, assignee: See—
 Evans, Louis P., Hornberg, and Ray.
 Hartman, Benjamin F.
 Sowa, Frank J.: See—
 Wells, Franklin H., and Sowa.
 Spearrin, William R., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Fly closure. 2,434,233, Jan. 6.
 Speed Products Company, Inc., assignee: See—
 Snyder, Harry D.
 Spear, Paul, Bogota, N. J., assignor to Armour and Company, Chicago, Ill. Fastening means for collector bags. 2,433,930, Jan. 6.
 Sperry Gyroscope Company, Inc., assignee: See—
 Hammond, Edmund B., Jr., and White.
 Sensiper, Samuel.
 Varian, Sigurd F.
 Sproule, Donald O., London, assignor of one-half to Henry Hughes & Son Limited, Essex, England. Indicating the angular displacements of a shaft at a distance. 2,434,057, Jan. 6.
 Standard Oil Development Company, assignee: See—
 Draeger, Arthur A., and Shewell.
 Lieber, Eugene.
 McNulty, George M., and Zimmer.
 Stanford, William T., Salem, Ill. Web guiding apparatus. 2,434,128, Jan. 6.
 Stanolind Oil and Gas Company, assignee: See—
 Bays, George S.
 Steiger, Benjamin P., Maplewood, assignor to United Electronics Company, Newark, N. J. Getter structure for electron discharge tubes. 2,433,962, Jan. 6.
 Steiner, Waldo L.: See—
 Lincoln, Bert H., and Steiner.
 Stenzel, Walter J., Mount Clemens, Mich. Rocking horse. 2,434,058, Jan. 6.

Stepanoff, Alexey J., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Adjusting and holding device. 2,434,018, Jan. 6.

Stevens-Arnold Company, Inc., assignee: *See—*
Cann, Arthur F.

Stevens, Roy R.: *See—*
May, Harry C., and Stevens.

Stevenson, William, Toronto, Ontario, Canada. Ash tray. 2,434,181, Jan. 6.

Stewart, William A., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Protective device. 2,434,084, Jan. 6.

Stosick, Arthur J.: *See—*
Zwicky, Fritz, Ewing, Carter, and Stosick.

Stosick, Arthur J., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Fuel combustion. 2,433,932, Jan. 6.

Stromberg-Carlson Company, assignee: *See—*
Goldberg, Harold.

Stucke, John, Philadelphia, Pa. Internal-combustion engine. 2,433,933, Jan. 6.

Studebaker Corporation, The, assignee: *See—*
Runkle, Lorin R.

Suggs, Dalton B., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Oil temperature controlling apparatus for pusher type airplanes. 2,434,085, Jan. 6.

Sullivan, John F., assignee: *See—*
Bryant, Leland A.

Sutherland, Brian P., Rossland, British Columbia, J. B. Thompson and C. H. Simpkinson, Trall, British Columbia, and D. D. Morris, Calgary, Alberta, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Electrolytic production of hydrogen and oxygen. 2,433,871, Jan. 6.

Swayze, Daniel B., Newark, N. J. Dancing figure toy. 2,434,059, Jan. 6.

Switzer, Joseph L., Cleveland Heights, and R. C. Switzer, South Euclid, Ohio. Color separation with fluorescent materials. 2,434,019, Jan. 6.

Switzer, Robert C.: *See—*
Switzer, Joseph L., and R. C.

Symons, Arthur H., Chicago, Ill. Tie device for wall forms. 2,433,934, Jan. 6.

Symons, Loren G., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Gyration impact ball mill. 2,433,872, Jan. 6.

Taplin, John F., Westfield, N. J., assignor, by mesne assignments, to Power Industries, Incorporated, New York, N. Y. Engine control. 2,434,182, Jan. 6.

Tappan Stove Company, The, assignee: *See—*
Mayer, Charles M.

Tarbox, John P., and E. M. Callender, assignors to The Budd Company, Philadelphia, Pa. Weld testing apparatus. 2,433,963, Jan. 6.

Tarbox, John P., Philadelphia, and E. M. Callender, Cynwyd, assignors to The Budd Company, Philadelphia, Pa. Weld indicating and control apparatus. 2,433,964, Jan. 6.

Taves, William I., Claymont, Del. Oil seal. 2,434,183, Jan. 6.

Tawney, Chester W., Salvatore J. Demarco, Jr., and P. H. Herrick, Baltimore, Md. Vending machine. 2,433,873, Jan. 6.

Taylor, Walter W., assignor, by mesne assignments, to Malsbary Manufacturing Company, Oakland, Calif. Regulating valve. 2,434,020, Jan. 6.

Thatcher, Russell N., New York, N. Y. Three-color mechanical pencil. 2,434,234, Jan. 6.

Thompson, Joshua B.: *See—*
Sutherland, Brian P., Thompson, Simpkinson, and Morris.

Thompson, Merrill M., and W. E. Moline, assignors to The National Cash Register Company, Dayton, Ohio. Bright dipping. 2,434,021, Jan. 6.

Thompson, Ralph C.: *See—*
Ferguson, Fredrick G., and Thompson.

Throdahl, Monte C., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing butadiene polymers. 2,434,129, Jan. 6.

Timenes, Nicolai: *See—*
Hawley, Thomas G., Jr., and Timenes.

Tishler, Max, assignor to Merck & Co., Inc., Rahway, N. J. Tetraacetylribonamide and making it. 2,434,060, Jan. 6.

Todd, Romie P., Charleston, W. Va. Opposed contact distance instrument of the trammel beam type. 2,433,935, Jan. 6.

Tornberg, Henning T., Cuyahoga Falls, Ohio, assignor to Modern Plastic Machinery Corporation, Wilmington, Del. Plastic extruding machine. 2,433,936, Jan. 6.

Tornberg, Henning T., Ridgewood, N. J., assignor to Modern Plastic Machinery Corporation, Wilmington, Del. Machine for making sheets of extruded plastics. 2,433,937, Jan. 6.

Traylor, Samuel W., Jr., Allentown, Pa. Heating system. 2,434,086, Jan. 6.

Trent, Horace M., assignee: *See—*
Hayes, Harvey C., and Trent.

Trumpour, James N., assignee: *See—*
Jackson, James G.

Turnpseed, Clarence, Springfield, Ohio. Machine for cleaning dust mops and dust cloths. 2,434,022, Jan. 6.

Turner, Howard B., Fostoria, Ohio. Electric fan unit. 2,434,130, Jan. 6.

Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Current regulation for alternating current arc welding. 2,434,131, Jan. 6.

Udesen, Ude P., St. Paul, Minn. Electrode holder for arc welders. 2,434,023, Jan. 6.

Union Switch and Signal Company, The, assignee: *See—*
Hesser, James M.

United Electronics Company, assignee: *See—*
Steiger, Benjamin F.

United States Rubber Company, The, assignee: *See—*
Arrington, Conrad J.

Hawley, Thomas G., Jr., and Timenes.

United States Safety Service Co., assignee: *See—*
Wallace, Harold E.

Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Process and apparatus for making laminated boards. 2,433,965, Jan. 6.

Upson Company, The, assignee: *See—*
Upson, Charles A.

Van Bruggen, Marinus G.: *See—*
Verwey, Evert J. W., and van Bruggen.

Van Keuren, Henry P., deceased, late of Bloomfield, Ohio, by Marie S. van Keuren, administratrix, Bloomfield, Ohio. Making tubular members by progressive helical welding. 2,433,966, Jan. 6.

Van Keuren, Marie S., administratrix: *See—*
Van Keuren, Henry P.

Van Sciver, Herbert D., Merion, assignor to The Budd Company, Philadelphia, Pa. Method of and apparatus for weld control. 2,433,967, Jan. 6.

Van Sciver, Herbert D., II, Merion, assignor to The Budd Company, Philadelphia, Pa. Weld control system with current compensation. 2,434,132, Jan. 6.

Varian, Sigurd F., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Machine tool apparatus. 2,433,874, Jan. 6.

Varner, Eldred L., Cochranville, Pa. Electrical connection for crane hooks. 2,433,938, Jan. 6.

Vaughn Machinery Company, The, assignee: *See—*
Nye, Norman H., and Rogers.

Vergnaud, Paul, and J. Pigeot, Melle, assignors to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Production of laevulose from vegetable materials. 2,434,235, Jan. 6.

Verwey, Evert J. W., and M. G. van Bruggen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ceramic insulator. 2,434,236, Jan. 6.

Victor Products Corp., assignee: *See—*
Cleinman, Harry.

Vidal Corporation, assignee: *See—*
Marhoefer, Laurence J.

Vlasak, Chester F., assignor to Weber Shoe Company, St. Louis, Mo. Shoe. 2,434,024, Jan. 6.

Vlasis, Chris F., Milwaukee, Wis. Four-way hat expander. 2,434,184, Jan. 6.

Volk, Lester D., Brooklyn, N. Y. Suturing device. 2,434,133, Jan. 6.

Walker, Brooks, Piedmont, Calif., and H. M. Morse, Princeton, N. J. Clearing mine fields. 2,433,875, Jan. 6.

Wallace, Harold E., assignor to A. F. Parmalee, doing business as United States Safety Service Co., Kansas City, Mo. Electrode protector for welding machines. 2,434,025, Jan. 6.

Walters, Daniel W., West Los Angeles, assignor to J. D. Buchanan, Burbank, Calif. Electrical plug and socket. 2,434,026, Jan. 6.

War, United States of America, as represented by the Secretary of: *See—*
Hughes, Walter L., Jr.

Riblet, Henry J.

Ward, George C., and Victor S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Fluorescent-dyed cellulose acetate fabric. 2,433,939, Jan. 6.

Weaver, Carrol H., assignee, et al.: *See—*
Weaver, Harley M.

Weaver, Harley M., McClure, assignor of thirty-three per cent to Carrol H. Weaver, Toledo, and thirty-three per cent to Maynard A. Weaver, Cleveland, Ohio. Mailbox signal. 2,433,940, Jan. 6.

Weaver, Maynard A., assignee, et al.: *See—*
Weaver, Harley M.

Weber, Frederick C., Eastchester, N. Y. Bread making method and ingredients. 2,434,087, Jan. 6.

Weber Shoe Company, assignee: *See—*
Vlasak, Chester F.

Wechsberg, Raoul, deceased, by J. C. A. Büchner, administrator, Amsterdam, Netherlands; vested in the Attorney General of the United States. Materials resistant to poisonous gases. 2,433,876, Jan. 6.

Welljard, John, Westfield, and J. P. Messerly, Clark Township, Union County, assignors to Merck & Co., Inc., Rahway, N. J. Racemization of α -hydroxy- β , β -dimethyl gamma-butyrolactone. 2,434,061, Jan. 6.

Welmer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Television transmitting tube. 2,433,941, Jan. 6.

Wellman, S. K., Company, The, assignee: *See—*
Wellman, Samuel K.

Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Apparatus for applying powdered metal briquets to curved metallic surfaces. 2,434,237, Jan. 6.

Wells, Franklin H., Ridgewood, and F. J. Sowa, Cranford, N. J., assignors to International Cigar Machinery Company. Tobacco sheets and filaments and making them. 2,433,877, Jan. 6.

Werf Conrad en Stork Hilsch N. V., assignee: *See—*
Esseling, Cornelis J.

Western Electric Company, Incorporated, assignee: *See—*
Juvinal, James W.

Larsen, Henry M.

Western Union Telegraph Company, The, assignee: *See—*
Pihl, George E.

Westinghouse Air Brake Company, The, assignee: *See—*
May, Harry C., and Stevens.

Rush, John W., and Kirk.

White, Gifford E.: *See—*
Hammond, Edmund B., Jr., and White.

Whitehouse, Irving P., South Euclid, assignor to Republic Steel Corporation, Cleveland, Ohio. Roof covering. 2,434,185, Jan. 6.

Whittington, William P., Indianapolis, Ind. Sewage lift. 2,434,027, Jan. 6.

Whittle, Frank, Rugby, assignor to Power Jets (Research and Development) Limited, London, England. Cooling means for internal-combustion turbine wheels of jet propulsion engines. 2,434,134, Jan. 6.

Wico Electric Company, assignee: *See—*
Alstrom, Albert I.

Brownlee, Allen L.

Wieland, Roy, San Francisco, Calif. Machine for bending edges of sheet metal plates. 2,434,028, Jan. 6.

Wilcox-Gay Corporation, assignee: *See—*
Cain, Robert M.

Williams, William E., Pasadena, Calif. Interferometer apparatus for quantitatively determining fluid pressures in wind tunnels. 2,434,029, Jan. 6.

Wilson, Harold M., Arlington, assignor to Metals & Controls Corporation, Attleboro, Mass. Combined electromagnetic and thermal protective circuit breaker system. 2,434,186, Jan. 6.

Wilson, Walter G., Martyr Worthy, Winchester, England. Stabilizing and steering of aerial torpedoes or bombs. 2,434,187, Jan. 6.

Wingfoot Corporation, assignee: *See—*
Seitz, Andy J.

Winn, Elisha S., Sr., Fitzgerald, Ga. Foot warmer. 2,434,188, Jan. 6.

Wiseley, Don C., Los Angeles, Calif. Equilibrated inertia switch. 2,433,968, Jan. 6.

Witchger, Eugene S., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Gear pump structure. 2,434,189, Jan. 6.

Woessner, Warren W.: *See—*
Rosenberg, Hans R., and Woessner.

Wolcott, Frank E., West Hartford, assignor to The Silix Company, Hartford, Conn. Steaming and pressing iron. 2,434,136, Jan. 6.

Wolf Brothers, assignee: *See—*
Ringler, William A.

Wolfard, Merl R., Cambridge, Mass. Stabilizing harness for suspension bridges. 2,433,878, Jan. 6.

Wolfson, Sam, Chicago, Ill. Combined container and dispenser. 2,434,238, Jan. 6.

Wood, Chester F., Stony Brook, N. Y. Invalid's vehicle. 2,433,969, Jan. 6.

Works, Madden T., assignor to Cameron Iron Works, Houston, Tex. Flow device. 2,433,942, Jan. 6.

Wretling, Karl A. J., Stockholm, Sweden. Manufacture of amino acid preparations intended for intravenous supply of nutrients. 2,433,879, Jan. 6.

Yardeny, Michel N., New York, N. Y. Electric motor follow-up system. 2,433,970, Jan. 6.

Yeomans, Theron G., St. Joseph, Mich. Sutureless method of rectosigmoid anastomosis and apparatus therefor. 2,434,030, Jan. 6.

Z & W Machine Products, Inc., assignee: *See—*
Kelley, Zar W.

Ziebolz, Herbert, assignor to Electronbeam, Ltd., Chicago, Ill. Multiple regulator system. 2,434,189, Jan. 6.

Zimmer, John C.: *See—*
McNulty, George M., and Zimmer.

Zimmerman, Harry, New York, N. Y. Xylophone. 2,434,137, Jan. 6.

Zublin, John A., Los Angeles, Calif. Producing oil. 2,434,239, Jan. 6.

Zwicky, Fritz, Pasadena, F. J. Ewing, Altadena, J. M. Carter, Highway Highlands, and A. J. Stosick, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Operation of jet propulsion motors with nitroparaffin. 2,433,943, Jan. 6.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Carburetor. O. Oswald. Re. 22,962, Jan. 6.
Compensator, Optical. J. F. Leventhal. Re. 22,960, Jan. 6.
Hydrocarbon treatment, Residual. J. R. Bates. Re. 22,957, Jan. 6.
Liquid product and thermostatic device embodying same. V. Morrill, Jr. Re. 22,961, Jan. 6.
Telephone system. J. Davidson, Jr. Re. 22,958, Jan. 6.
Webbing, Ladder. G. F. French. Re. 22,959, Jan. 6.

LIST OF PLANT INVENTIONS

Rose plant. N. Grillo. 778, Jan. 6.
Rose plant. W. E. Johnson. 777, Jan. 6.
Rose plant. C. Ketten. 774, Jan. 6.
Rose plant. C. Mallerin. 775, Jan. 6.
Viburnum hybrid plant. A. Burkwood. 776, Jan. 6.

LIST OF DESIGN INVENTIONS

Andiron. W. E. Atkinson. 148,270-1, Jan. 6.
Bench. E. W. Discher. 148,289, Jan. 6.
Bottle. C. J. Howel. 148,301, Jan. 6.
Bow, Archery. F. V. Leivo and A. J. Herek. 148,309, Jan. 6.
Box or similar article, Ring. E. Groos. 148,295-6, Jan. 6.
Brooch or similar article. A. Katz. 148,305-6, Jan. 6.
Brush and casing therefor, Combined rouge. I. Gold. 148,294, Jan. 6.
Cabinet for a radio-phonograph. J. D. Portanova. 148,325, Jan. 6.
Cabinet for automatic phonographs. N. A. Miller. 148,316, Jan. 6.
Cabinet for intercommunicating system. R. L. Whyte. 148,343-4, Jan. 6.
Cabinet, Radio. J. D. Portanova. 148,324, Jan. 6.
Cabinet, Radio and phonograph. L. W. Hardell. 148,297, Jan. 6.
Cabinet, Radio phonograph. J. D. Portanova. 148,326, Jan. 6.
Car, Railway. O. A. Kuhler. 148,308, Jan. 6.
Case, Display. M. Beck. 148,274, Jan. 6.
Case, Hearing aid. W. D. Penn. 148,320, Jan. 6.
Casing for an electrical timer. J. W. Speaker. 148,336, Jan. 6.
Casing for vacuum cleaner. W. J. Russell. 148,329, Jan. 6.
Casing, Vacuum cleaner. J. G. Lippincott. 148,312, Jan. 6.
Chair. R. A. Cramer. 148,286, Jan. 6.
Cleaner, Vacuum. H. C. Lilly. 148,311, Jan. 6.
Clock. W. A. Clarke, Jr. 148,284, Jan. 6.
Clock. J. A. C. Keane. 148,307, Jan. 6.
Clothespin. F. F. Renzi. 148,328, Jan. 6.
Container for perfume bottle or similar article. L. Lelong. 148,310, Jan. 6.
Corkscrew and bottle opener, Combination. P. Wyler. 148,345, Jan. 6.
Crèche. W. Niederhausen and C. D. Hamilton. 148,319, Jan. 6.
Dispenser, Napkin. A. E. Cofrin and S. N. Hope. 148,285, Jan. 6.
Earring. H. Bogoff. 148,278-80, Jan. 6.
Earring or similar article. A. Katz. 148,304, Jan. 6.
Fire extinguisher or similar article. S. Boal. 148,276, Jan. 6.
Game implement. J. W. Harvey. 148,298, Jan. 6.
Glockenspiel. R. Emanuel. 148,291, Jan. 6.
Handbag or similar article. I. Pichel. 148,321-3, Jan. 6.
Heater. D. H. Wyatt. 148,341-2, Jan. 6.
Heater, Electric. W. Geller. 148,293, Jan. 6.
Heater or similar article. L. O. Morin, Jr., and S. Warner. 148,318, Jan. 6.
Hitch, Trailer. R. W. Askins. 148,269, Jan. 6.
Holder, Flower. O. T. Dixon. 148,290, Jan. 6.
Instrument for aircraft, Navigation. J. C. Wilson. 148,339, Jan. 6.
Inverter. P. F. Scofield and A. R. Keistman. 148,332, Jan. 6.
Jacket or similar article. S. Scheidlinger. 148,330, Jan. 6.
Lamp. A. Moore. 148,317, Jan. 6.
Mat for a picture frame or similar article, Border. J. Amaru. 148,268, Jan. 6.
Mat or similar article, Picture frame border. J. Amaru. 148,267, Jan. 6.
Moccasin. J. D. Wilson. 148,340, Jan. 6.
Nozzle, Vacuum cleaner. J. G. Lippincott. 148,313-15, Jan. 6.
Pen or similar article, Ball. A. S. Weston. 148,338, Jan. 6.
Pin. H. Bogoff. 148,277, Jan. 6.
Puppet. B. Baird. 148,272, Jan. 6.
Rack, Knife. E. E. Case. 148,283, Jan. 6.
Radio receiving set. F. A. Dawson. 148,288, Jan. 6.
Roller, Road. B. Essick. 148,292, Jan. 6.
Sandal, Lady's. A. Capozzi. 148,281, Jan. 6.
Seat and telephone stand, Combined. N. Stein. 148,337, Jan. 6.
Shrine or similar article. W. Barbanell. 148,273, Jan. 6.
Sleeping structure for mounting on top of an automobile, Portable. N. S. Smith. 148,335, Jan. 6.
Suit or similar article. M. Sices. 148,334, Jan. 6.
Support for an electrical heating element, Insulating. R. Cariff. 148,282, Jan. 6.
Swing. H. Sebel. 148,333, Jan. 6.
Switch plate, Illuminable. A. C. Karlstad. 148,302, Jan. 6.
Toy mangle. W. Kasten and A. E. Mason. 148,303, Jan. 6.
Toy, Pull. A. H. Scheinman. 148,331, Jan. 6.
Tractor. M. T. Hedquist and J. Haley. 148,299, Jan. 6.
Trailer. F. C. Hoffman. 148,300, Jan. 6.
Trailer, One-wheel. M. J. Rasbach. 148,327, Jan. 6.
Vise, Miniature. W. G. Bihler. 148,275, Jan. 6.
Wheelbarrow. J. A. Cravero and A. S. Milligan. 148,287, Jan. 6.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetals, Production of. O. W. Cass. 2,433,890, Jan. 6.
Adjusting and holding device. A. J. Stepanoff. 2,434,018, Jan. 6.
Aeroplane propeller having an ice preventing coating. R. S. Gaugler and H. W. Guenther. 2,434,208, Jan. 6.
Air conditioning apparatus. R. S. Sherman. 2,433,960, Jan. 6.
Aircraft gun sight having adjustable transparent reflector means. C. J. Harasta. 2,434,109, Jan. 6.
Airplane handling device. L. J. Maxson. 2,433,858, Jan. 6.
Airplane with folding and detachable wings, Roadable. J. H. Geisse. 2,434,068, Jan. 6.
Albumin and the preparation of protein products therefrom, Crystallization of. W. L. Hughes, Jr. 2,433,905, Jan. 6.
Alkyl chlorides, Production of. W. N. Axe. 2,434,092, Jan. 6.
Alloys containing molybdenum, Manufacture of. G. L. Miller. 2,434,048, Jan. 6.
 α -amino acids and N-substituted- α -amino acids. J. H. Billman. 2,433,979, Jan. 6.
Alpha-haloacrylic compounds, Production of. D. R. Saunders. 2,434,229, Jan. 6.
Amino acid preparations intended for intravenous supply nutrients, Manufacture of. K. A. J. Wretling. 2,433,879, Jan. 6.
Ammonium sulfone halides, Quaternary. A. L. Linch. 2,433,997, Jan. 6.
Amplifier, Electronically controlled variable gain. R. L. Haynes. 2,434,155, Jan. 6.
Amplifier, High gain. R. H. Park. 2,434,223, Jan. 6.
Animal trap. J. S. Adams. 2,434,031, Jan. 6.
Animal trap. A. E. Kness. 2,433,913, Jan. 6.
Annunciating and indicating apparatus. J. M. Hesser. 2,434,041, Jan. 6.
Antenna. H. J. Riblet. 2,433,924, Jan. 6.
Antiskid device. C. Q. Snedeker. 2,434,017, Jan. 6.
Apparatus for applying powdered metal briquets to curved metallic surfaces. S. K. Wellman. 2,434,237, Jan. 6.
Apparatus for converting reciprocal vertical motion into rotary motion. A. A. Morton. 2,434,004, Jan. 6.
Apparatus for dressing bullion. E. P. Fleming and D. H. McIntosh. 2,434,105, Jan. 6.
Apparatus for supplying liquid fuel and air to variable-speed internal-combustion engines. H. G. Rausenberger. 2,433,958, Jan. 6.
Apparatus for treating surfaces. H. Osterberg. 2,433,922, Jan. 6.
Apparatus for use in agricultural machines. L. A. Marihart. 2,433,856, Jan. 6.
Applicator, Dehorning paste. O. Gereke. 2,433,947, Jan. 6.
Aqueous dispersions of vulcanized fatty oils. L. Auer. 2,433,831, Jan. 6.
Attachment for digging implements. F. E. Jeffers. 2,434,074, Jan. 6.
Automatic reel. W. E. Nordmark. 2,434,119, Jan. 6.
Automatically supplying distilled water to storage batteries. H. J. Hansen. 2,433,989, Jan. 6.
Back for covered buttons, Button. J. R. Forbes. 2,433,986, Jan. 6.
Bag: See—
Paper bag.
Bait, Lobster. G. Muir and O. L. Schleicher. 2,434,220, Jan. 6.
Bar for micrometer gauges and the like, Length. L. E. Glover. 2,433,988, Jan. 6.
Base, Portable motor. G. Bergeron. 2,433,978, Jan. 6.
Billfold with interlocked closure flaps, Stitchless. W. A. Pence. 2,434,121, Jan. 6.
Block: See—
Sealed insulation block.
Boards, Process and apparatus for making laminated. C. A. Upson. 2,433,965, Jan. 6.
Boatswain's chair. J. W. McCormick. 2,433,859, Jan. 6.
Bombs, pyrotechnic devices, and the like. J. Imber. 2,434,162, Jan. 6.
Bottle carrier. D. W. Mattson. 2,433,857, Jan. 6.
Bracelet, Expansion. H. Cleinman. 2,434,144, Jan. 6.
Brake: See—
Induction motor brake.
Brake for band-saw blades, Safety. J. P. Morgan. 2,434,174, Jan. 6.
Brake system, Tractor-trailer. E. R. Price. 2,434,050, Jan. 6.
Bread making and ingredients. F. C. Weber. 2,434,087, Jan. 6.
Bunch builder machines. R. R. Gibson. 2,433,897, Jan. 6.
Butadiene polymers, Vulcanizing. M. C. Throdahl. 2,434,129, Jan. 6.
Cabinet for dispensing sheet material. F. L. Broeren, N. J. Slye, and A. S. Krueger. 2,434,194, Jan. 6.
Cable, Method and apparatus for making insulated. H. D. Isenberg. 2,434,073, Jan. 6.
Cap feeding machine. M. S. Resina. 2,434,053, Jan. 6.
Carriage, Draw bench. H. H. Nye and W. E. Rogers. 2,434,006, Jan. 6.
Carrier: See—
Bottle carrier.
Egg case carrier.
Cellulosic material, Impregnation of. W. E. Flood and E. Kosinszki. 2,434,106, Jan. 6.
Chair: See—
Boatswain's chair.
Chess game recorder. A. W. Fey. 2,434,066, Jan. 6.
Circuit: See—
Pulse generation circuit.
Circuit breaker system, Combined electro-magnetic and thermal protective. H. M. Wilson. 2,434,186, Jan. 6.
Circuits, Electronic switching. I. E. Grossdoff. 2,434,163, Jan. 6.
Clamp: See—
Film clamp.
Cleaner and washer, Perforation. L. H. Cassell. 2,433,828, Jan. 6.
Closure device, Removable bottle. A. W. Anderberg. 2,433,972, Jan. 6.
Closure, Fly. W. R. Spearrin. 2,434,233, Jan. 6.
Clothing, Protective. H. C. Bazett and P. A. Siple. 2,433,834, Jan. 6.
Color separation with fluorescent materials. J. L. and R. C. Switzer. 2,434,019, Jan. 6.
Combination steaming and pressing iron. E. H. Bassett. 2,434,067, Jan. 6.
Condensation product and preparation and use thereof. E. Lieber. 2,433,852, Jan. 6.
Connector: See—
Electrical connector.
Connector: See—
Electrical connector.
Contact masses, Preparation of. H. A. Shabaker. 2,433,869, Jan. 6.
Container: See—
Vending container.
Container. L. J. Rosenberg. 2,434,014, Jan. 6.
Container and dispenser, Combined. S. Wolfson. 2,434,238, Jan. 6.
Container handle. J. E. Socke. 2,433,870, Jan. 6.
Control for automatic clothes washing machines. J. B. Dyer. 2,434,199, Jan. 6.
Control means for plural stage refrigerating system. A. B. Newton. 2,434,221, Jan. 6.
Control mechanism for propulsion systems. H. C. May and R. R. Stevens. 2,433,916, Jan. 6.
Control system. H. B. Holthouse, Jr. 2,433,846, Jan. 6.
Control system for multiprogram projectors. R. C. Engelen. 2,434,201, Jan. 6.
Control system, Preselective power drive. G. T. Randol. 2,434,051, Jan. 6.
Control system with current compensation, Weld. H. D. Van Sciver, II. 2,434,132, Jan. 6.
Conveyor means for ironers, Vibratory. W. J. Asher. 2,433,975, Jan. 6.
Conveyor, Shaker. W. W. Sloane. 2,434,127, Jan. 6.
Cooker, Electric. G. Klumpp. 2,434,166, Jan. 6.
Cooling means for internal-combustion turbine wheels of jet propulsion engines. F. Whittle. 2,434,134, Jan. 6.
Cork substitute and its production. E. C. Lathrop and S. I. Aronovsky. 2,433,849, Jan. 6.
Corkscrew with point protector. G. Ippolito. 2,434,212, Jan. 6.
Coupling: See—
Hose coupling.
Valved coupling.
Coupling for cables. L. G. Brazier and D. T. Hollingsworth. 2,433,980, Jan. 6.
Cover: See—
Wheel cover.
Cover for flatiron stands. E. M. Prior. 2,434,225, Jan. 6.
Crystal assembly, Hermetically sealed. H. Kershaw. 2,434,043, Jan. 6.
Current regulation for alternating current arc welding. J. M. Tyrner. 2,434,131, Jan. 6.
Cutting tool. A. C. Babka. 2,433,976, Jan. 6.
Cylinder for hydraulic brakes, Master. R. R. Birchfield. 2,434,063, Jan. 6.
Dent for weaving reeds. J. P. J. Lussardi. 2,434,114, Jan. 6.
Dental impression composition. S. E. Noyes. 2,434,005, Jan. 6.

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Device for inserting springs in pockets. H. P. Glazier. 2,434,209, Jan. 6.
 Die for metal drawing, Conical. R. E. Slater. 2,433,929, Jan. 6.
 Die for reciprocating metal plate bender, Pivoted forming. W. T. Glud. 2,433,841, Jan. 6.
 Dielectric material and making same. R. D. Nutting. 2,434,079, Jan. 6.
 Dipping, Bright. M. M. Thompson and W. E. Moline. 2,434,021, Jan. 6.
 Dispenser: See—
 Folded napkin dispenser.
 Dispenser and spreader, Bobby pin. J. E. McArthur. 2,434,047, Jan. 6.
 Display card filling apparatus. R. Nadeau. 2,433,862, Jan. 6.
 Distance instrument of the trammel beam type, Opposed contact. R. P. Todd. 2,433,935, Jan. 6.
 Distributor. A. L. Brownlee. 2,433,888, Jan. 6.
 Distributor, Ventilating air. E. S. Buck. 2,433,981, Jan. 6.
 Dock, Master tooling. L. A. Bryant. 2,433,889, Jan. 6.
 Drier for coated wires. H. M. Larsen. 2,434,169, Jan. 6.
 Drying rayon thread by high-frequency electric currents. F. H. Griffin. 2,433,842, Jan. 6.
 Drilling apparatus. W. W. Paget. 2,434,120, Jan. 6.
 Dyesuffs, Preparation of anthrimide-carbazole. G. M. Smyth and J. F. Cullinan. 2,434,056, Jan. 6.
 Egg case carrier. E. Jobe. 2,434,046, Jan. 6.
 Egg separator. J. A. Magnesi. 2,434,046, Jan. 6.
 Electric discharge device and coaxial line cavity resonator therefor. E. D. McArthur. 2,434,113, Jan. 6.
 Electrical attachment plug. P. E. Gurin. 2,434,154, Jan. 6.
 Electrical connection. N. Cordis. 2,433,892, Jan. 6.
 Electrical connection for crane hooks. E. L. Varner. 2,433,938, Jan. 6.
 Electrical connector. D. B. Hull and L. E. Medlin. 2,434,211, Jan. 6.
 Electrical connector. C. H. Reynolds. 2,434,226, Jan. 6.
 Electrical control for multiple heating units in tubes. J. H. Homrighous. 2,434,161, Jan. 6.
 Electromagnet with armature. Shockproof. E. H. Ayers and A. G. Elmedorf. 2,434,096, Jan. 6.
 Elevators for tractors, Front end. S. S. Moore. 2,434,002, Jan. 6.
 Engine: See—
 Internal-combustion engine.
 Engine control. J. F. Taplin. 2,434,182, Jan. 6.
 Equilibrated inertia switch. D. C. Wiseley. 2,433,968, Jan. 6.
 Exchanger, Orifice. B. E. Anderson. 2,433,973, Jan. 6.
 Expander, Four-way hat. C. F. Vlasie. 2,434,184, Jan. 6.
 Expansion joint. L. C. Paul. 2,434,224, Jan. 6.
 Eyeshield. P. Kilham. 2,434,076, Jan. 6.
 Fabric: See—
 Fluorescent-dyed cellulose acetate fabric.
 Fabrics, Manufacturing elastic. T. G. Hawley, Jr., and N. Timenes. 2,434,111, Jan. 6.
 Fan unit, Electric. H. B. Turner. 2,434,130, Jan. 6.
 Fastener: See—
 File fastener.
 Fastening means for collector bags. P. Speer. 2,433,930, Jan. 6.
 Feeder: See—
 Poultry feeder.
 Feeder. S. E. Keagle. 2,433,912, Jan. 6.
 File fastener. H. D. Snyder. 2,434,083, Jan. 6.
 Film clamp. G. E. Husted. 2,433,906, Jan. 6.
 Fire control system, Fixed gun interaircraft. E. B. Hammond, Jr., and G. E. White. 2,433,843, Jan. 6.
 Fixture, Lighting. R. G. Nordquist. 2,434,049, Jan. 6.
 Flasher. H. R. Gross. 2,434,070, Jan. 6.
 Flattening agent and making same. L. Auer. 2,433,833, Jan. 6.
 Flow device. M. T. Works. 2,433,942, Jan. 6.
 Fluid pressure control apparatus. J. W. Rush and W. B. Kirk. 2,433,925, Jan. 6.
 Fluid pump and control therefor. R. Lapsley. 2,433,954, Jan. 6.
 Fluids for power generation, Storing. F. W. Gay. 2,433,896, Jan. 6.
 Fluids with silvered resins, Purifications of. R. B. Barnes and G. P. Ham. 2,434,190, Jan. 6.
 Fluorescent-dyed cellulose acetate fabric. G. C. Ward and V. S. Salvin. 2,433,939, Jan. 6.
 Focus control for television image tubes. M. Cawein. 2,434,196, Jan. 6.
 Folded napkin dispenser. R. T. Frieders. 2,434,206, Jan. 6.
 Folding vehicle. E. R. Bremer. 2,433,886, Jan. 6.
 Foot warmer. E. S. Winn, Sr. 2,434,188, Jan. 6.
 Fuel combustion. A. J. Stosick. 2,433,932, Jan. 6.
 Fuel, Production of motor. M. P. Matuszak. 2,434,000, Jan. 6.
 Fuel system, Dual carburetor. A. F. Braun. 2,434,192, Jan. 6.
 Furfuryl acrylate, Making. C. E. Behberg and C. H. Fisher. 2,433,866, Jan. 6.
 Fuse elements, Short delay. J. C. W. Frazer and O. G. Bennett. 2,434,067, Jan. 6.
 Game, Baseball. S. Cantor. 2,434,195, Jan. 6.
 Game or toy. N. R. Kevers. 2,433,995, Jan. 6.

Garbage can liner. J. C. Foreman. 2,433,945, Jan. 6.
 Garment hanger. J. G. Bryn. 2,434,142, Jan. 6.
 Gases with particle form solid contact materials, Method and apparatus for contacting. L. P. Evans, C. V. Hornberg, and F. E. Ray. 2,434,202, Jan. 6.
 Gear: See—
 Hand and power operated steering gear.
 Gear pump structure. E. S. Witchger. 2,434,135, Jan. 6.
 Getter structure for electron discharge tubes. B. F. Steiger. 2,433,962, Jan. 6.
 Glass, Blue. W. H. Armistead. 2,434,139, Jan. 6.
 Glass, Colored. W. H. Armistead. 2,433,882, Jan. 6.
 Glass, Ophthalmic. W. H. Armistead. 2,433,883, Jan. 6.
 Glass, Optical. P. F. De Paolis. 2,434,146-9, Jan. 6.
 Glider, Bomb carrying. L. J. Marhoefer. 2,433,998, Jan. 6.
 Glider pickup apparatus. H. B. Cowgill, Jr. 2,433,893, Jan. 6.
 Glove and making the same. L. Levine. 2,434,044, Jan. 6.
 Glove, Baseball. H. B. Latina. 2,434,170-1, Jan. 6.
 Gloves and like articles, Making rubber. W. W. De Laney and C. J. Crowley. 2,434,035, Jan. 6.
 Glycolic ethers of hydroxylated interpolymers and their preparation. D. D. Coffman. 2,434,145, Jan. 6.
 Governor construction. J. L. Moody. 2,434,001, Jan. 6.
 Governor, Springless. C. L. Bossmeyer. 2,433,885, Jan. 6.
 Grain, Prevention of deterioration of. C. G. P. Feachem. 2,434,204, Jan. 6.
 Grease composition. G. M. McNulty and J. C. Zimmer. 2,433,861, Jan. 6.
 Grille. W. W. Singleton. 2,434,232, Jan. 6.
 Ground line bond. F. G. Ridgers and C. W. Cassels. 2,434,123, Jan. 6.
 Guard, Leg. L. L. Bredin. 2,434,064, Jan. 6.
 Guide mechanism. H. D. Haley. 2,434,210, Jan. 6.
 Guide, Strand. S. S. Rowe. 2,434,227, Jan. 6.
 Gun sight. R. H. Jefferies. 2,433,909, Jan. 6.
 Gyroscopic impact ball mill. L. G. Symons. 2,433,872, Jan. 6.
 Gyro-controlled stabilizing system. J. W. Dawson. 2,433,837, Jan. 6.
 Halogenophenylthio-2,3-epoxypropanes, and halogenophenylthio-2,3-propanediols. E. W. Bousquet. 2,434,099, Jan. 6.
 Hand and power operated steering gear. F. M. Brown. 2,433,826, Jan. 6.
 Handle: See—
 Container handle.
 Handle for coffee makers. L. Reichold. 2,434,122, Jan. 6.
 Hanger: See—
 Garment hanger.
 Hardware article. G. V. Jakeway and I. S. Keeler. 2,433,993, Jan. 6.
 Harness for suspension bridges, Stabilizing. M. R. Wolfard. 2,433,878, Jan. 6.
 Harvester, Corn. E. J. Schaaf and E. F. Greedy. 2,434,124, Jan. 6.
 Headrest. F. N. O'Dea. 2,434,007, Jan. 6.
 Heat transfer device with capillary condensate drain. A. O. Brothers. 2,433,825, Jan. 6.
 Heater for vapor heating jacket, or the like, Immersion. J. R. Shields. 2,434,016, Jan. 6.
 Heating system. S. W. Traylor, Jr. 2,434,086, Jan. 6.
 High-frequency multiplier system. G. E. Pihl. 2,433,865, Jan. 6.
 Hitch attachment for harvesters, Horse. S. C. Heth. 2,433,904, Jan. 6.
 Hoist, Transmission. N. O. Nelson. 2,433,921, Jan. 6.
 Holder for arc welders, Electrode. U. P. Udesen. 2,434,023, Jan. 6.
 Holder for opening eggs, Handling. J. H. Millholland. 2,433,957, Jan. 6.
 Holding device. J. E. Forry. 2,434,152, Jan. 6.
 Horn, Steam operated. K. V. Ozols. 2,434,175, Jan. 6.
 Hose coupling. F. C. Morrison. 2,434,219, Jan. 6.
 Hose rack. J. Bernstein. 2,434,140, Jan. 6.
 Hydraulic oil pump. P. S. Mefferd. 2,433,918, Jan. 6.
 Hydrocarbons and olefins, Continuously reacting saturated tertiary. A. A. Draeger and C. T. Shewell. 2,433,944, Jan. 6.
 Hydrochlorination process. W. N. Axe. 2,434,093, Jan. 6.
 Hydrogen and oxygen, Electrolytic production of. B. P. Sutherland, J. B. Thompson, C. H. Simpkinson, and D. D. Morris. 2,433,871, Jan. 6.
 Hydrogen chloride recovery in a butane isomerization process. J. W. Latchum, Jr. 2,433,996, Jan. 6.
 Hydrogen fluoride recovery. B. F. Hartman. 2,434,040, Jan. 6.
 Hydroxyalkyl ethers of hydroxylated interpolymers and their preparation. W. H. Sharkey. 2,434,179, Jan. 6.
 Ice-cream mix. A. Leviton. 2,433,850, Jan. 6.
 Ignition apparatus. A. L. Brownlee. 2,433,887, Jan. 6.
 Illuminated safety switch. J. F. Courtney. 2,434,065, Jan. 6.
 Indicating apparatus, Density. G. S. Bays. 2,434,098, Jan. 6.
 Indicating the angular displacements of a shaft at a distance. D. O. Sproule. 2,434,057, Jan. 6.
 Indicator for cranes, Load. C. S. Adams. 2,434,138, Jan. 6.
 Induction motor brake. J. E. Chapman. 2,434,034, Jan. 6.
 Injector, Fuel. N. Fodor. 2,433,985, Jan. 6.

Insulator, Ceramic. E. J. W. Verwey and M. G. van Bruggen. 2,434,236, Jan. 6.
 Integrator, Electronic light. A. F. Cann. 2,434,101, Jan. 6.
 Interferometer apparatus for quantitatively determining fluid pressures in wind tunnels. W. E. Williams. 2,434,029, Jan. 6.
 Internal-combustion engine. H. Ford. 2,434,038, Jan. 6.
 Internal-combustion engine. J. Stucke. 2,433,933, Jan. 6.
 Interrupter, Voltage-limiting arc. R. R. Pittman. 2,434,010-11, Jan. 6.
 Invalid's vehicle. C. F. Wood. 2,433,969, Jan. 6.
 Iron: See—
 Combination steaming and Pyrex steam electric iron, pressing iron.
 Jacket, Collapsible preformed package. B. Y. James. 2,433,994, Jan. 6.
 Jet propulsion motors with nitroparaffin, Operation of. F. Zwicky, F. J. Ewing, J. M. Carter, and A. J. Stosick. 2,433,943, Jan. 6.
 Joint: See—
 Expansion joint. Universal joint.
 Pipe joint.
 Jointer, Saw. S. Johnson. 2,434,164, Jan. 6.
 Journal box and dust guard. W. H. Sale. 2,434,228, Jan. 6.
 Kite. S. Lang. 2,434,077, Jan. 6.
 Knitted fabric and method. V. Lombardi. 2,434,045, Jan. 6.
 Knitting. E. St. Pierre. 2,433,931, Jan. 6.
 Knot or slub catcher. C. J. Arrington. 2,434,091, Jan. 6.
 Laevulose from vegetable materials, Production of. P. Vergnaud and J. Pigeot. 2,434,235, Jan. 6.
 Lamp circuit and control. C. B. Fowler. 2,433,840, Jan. 6.
 Lamp structure. C. W. Clarkson, Jr. 2,433,982, Jan. 6.
 Lamps, Manufacture of electric. J. W. Juvinall. 2,434,165, Jan. 6.
 Last, Shoe. A. Crepezzi. 2,433,983, Jan. 6.
 Lead through terminal. L. Johnston. 2,433,911, Jan. 6.
 Lifting apparatus. E. P. Grime. 2,433,900, Jan. 6.
 Ligation instrument. W. J. Miller. 2,433,956, Jan. 6.
 Lighting unit. H. Handler. 2,434,108, Jan. 6.
 Line for bearing deviation indicators, Lag-lead. M. H. Hebb. 2,433,991, Jan. 6.
 Lip protector device. N. Malerman. 2,434,078, Jan. 6.
 Liquid cooling apparatus. G. K. Bently. 2,433,977, Jan. 6.
 Locking means for indicating instruments. V. E. Pratt and G. F. Gray. 2,433,923, Jan. 6.
 Lubricants, Selective adsorption of. H. W. F. Lorenz. 2,434,113, Jan. 6.
 Machine for bending edges of sheet metal plates. R. Wieland. 2,434,028, Jan. 6.
 Machine for cleaning dust mops and dust cloths. C. Turnpseed. 2,434,022, Jan. 6.
 Machine for making sheets of extruded plastics. N. T. Tornberg. 2,433,937, Jan. 6.
 Machine for making terminals and the like. A. W. Hoernle. 2,434,159, Jan. 6.
 Machine-tool apparatus. S. F. Varian. 2,433,874, Jan. 6.
 Magnesium oxide-containing material for reduction purposes, Preparing. N. R. Collins, W. W. Mower, and H. Church. 2,433,891, Jan. 6.
 Magnetic testing, Method and apparatus for. C. Farrow. 2,434,203, Jan. 6.
 Magnetostriuctive vibrator unit. W. E. Gilman. 2,433,898, Jan. 6.
 Mailbox. S. M. Addington. 2,433,880, Jan. 6.
 Mailbox signal. H. M. Weaver. 2,433,940, Jan. 6.
 Marker, Road. J. R. Elliott. 2,434,103, Jan. 6.
 Mask, Electrical facial. S. Duma. 2,434,198, Jan. 6.
 Material classifier. G. B. Ebersole and L. L. Leach. 2,434,037, Jan. 6.
 Materials resistant to poisonous gases. R. Wechsberg. 2,433,876, Jan. 6.
 Mechanical movement. J. S. Sharpe. 2,434,082, Jan. 6.
 Mechanical operating rocket supported bodies. H. G. Schlecht. 2,434,081, Jan. 6.
 Metachrome dyeing with colloidal cationic agent. G. L. Royer and C. A. Amick. 2,434,178, Jan. 6.
 Metal bodies, Making clad. F. R. Hensel and E. I. Larsen. 2,433,903, Jan. 6.
 Mill: See—
 Gyroscopic impact ball mill.
 Mine fields, Clearing. B. Walker and H. M. Morse. 2,433,875, Jan. 6.
 Monoazo compounds. J. B. Dickey and J. G. McNally. 2,434,150, Jan. 6.
 Motion transmitting linkage for instruments. E. D. Raney. 2,434,052, Jan. 6.
 Motor follow-up system, Electric. M. N. Yardeny. 2,433,970, Jan. 6.
 Mounting: See—
 Tone arm mounting.
 Mounting for flywheel magnetos, Stator. A. I. Alstrom. 2,433,881, Jan. 6.
 Navigation instrument. G. T. De Vries. 2,433,984, Jan. 6.
 Nozzle, Fuel injection. E. M. Fisk. 2,434,151, Jan. 6.
 Oil, Producing. J. A. Zublin. 2,434,239, Jan. 6.
 Oil seal. W. I. Taves. 2,434,183, Jan. 6.
 Oil temperature controlling apparatus for pusher type airplanes. D. B. Suggs. 2,434,085, Jan. 6.

Oils, Sulfurized. B. H. Lincoln and W. L. Steiner. 2,433,853, Jan. 6.
 Olefinic aldehydes, Hydrating. L. F. Hatch and T. W. Evans. 2,434,110, Jan. 6.
 Olefins, Hydrochlorination. W. N. Axe. 2,434,094, Jan. 6.
 1,3,5 trinitro hexahydro s-triazine, Preparing. R. W. Schlessier and J. H. Ross. 2,434,230, Jan. 6.
 Organic fluoroethers and their preparation. W. E. Hanford. 2,433,844, Jan. 6.
 Organic impurities from copper-cyanide electroplating baths, Removing. H. L. Benner and E. R. Blair. 2,434,191, Jan. 6.
 Outlet box and plug-in connections therefor. W. J. McCarty. 2,433,917, Jan. 6.
 Painting method. H. V. Schweltzer. 2,434,125, Jan. 6.
 Paper bag. W. A. Ringler. 2,433,867, Jan. 6.
 Parachute, Safety. S. J. Hines. 2,433,952, Jan. 6.
 Pencil, Three-color mechanical. R. N. Thatcher. 2,434,234, Jan. 6.
 Pentaerythritol rosinates polymers and preparing same. W. Krumbhaar. 2,434,168, Jan. 6.
 Phenolic material, Purification of. G. W. Ayers. 2,434,095, Jan. 6.
 Photoelectrically controlled apparatus for grading pears according to length. M. B. Gause and E. O. Burling. 2,433,946, Jan. 6.
 Photometer, Electronic. C. S. Heppard. 2,434,157, Jan. 6.
 Pick and like handles. M. J. Antel. 2,433,974, Jan. 6.
 Pinene crudes, Pretreating. E. L. Cline. 2,434,197, Jan. 6.
 Pipe joint. R. A. Folsom. 2,434,107, Jan. 6.
 Piston ring expander. J. F. Hynek. 2,433,907, Jan. 6.
 Pitch propeller mechanism, Controllable. G. W. Hardy. 2,433,990, Jan. 6.
 Plastic extruding machine. H. T. Tornberg. 2,433,936, Jan. 6.
 Plotting apparatus. H. W. McDowell. 2,433,860, Jan. 6.
 Plug: See—
 Electrical attachment plug.
 Plug and socket, Electrical. D. W. Walters. 2,434,026, Jan. 6.
 Pocket, Safety. E. C. Schweppe. 2,433,927, Jan. 6.
 Polymer pigmentation. M. E. Hughes. 2,433,992, Jan. 6.
 Polymers of open chain monoethylenically unsaturated compounds having a terminal methylene group, Modified. M. J. Roedel. 2,434,054, Jan. 6.
 Potassium acid tartrate from winery residues containing potassium acid tartrate and other organic materials not in solution, Recovering. E. C. Pattee. 2,433,864, Jan. 6.
 Poultry feeder. J. O. Culpepper. 2,433,894, Jan. 6.
 Pour point depressant. E. Lieber. 2,433,851, Jan. 6.
 Power supply, Electronically regulated. H. Goldberg. 2,434,069, Jan. 6.
 Press. M. L. Donohoo. 2,434,036, Jan. 6.
 Pressure booster for hydraulic brake systems. J. G. Ingres. 2,433,953, Jan. 6.
 Progesterone, Procedure for preparation of. P. L. Julian, J. W. Cole, A. Magnani, and H. E. Conde. 2,433,848, Jan. 6.
 Projector, Multiprogram. R. C. Engelken. 2,434,200, Jan. 6.
 Protective device. W. A. Stewart. 2,434,084, Jan. 6.
 Protective system for current converters utilizing differentially connected saturable reactors. K. Lerstrup. 2,434,214, Jan. 6.
 Protector for welding machines, Electrode. H. E. Wallace. 2,434,025, Jan. 6.
 Provitamin D composition, Stable. H. R. Rosenberg and W. W. Woessner. 2,434,015, Jan. 6.
 Pulse generation circuit. B. M. Oliver. 2,433,863, Jan. 6.
 Pump: See—
 Hydraulic oil pump.
 Push rod. L. J. Rosa. 2,434,080, Jan. 6.
 Putty composition comprising a polymethacrylate and filler. C. W. Johnson. 2,433,910, Jan. 6.
 Pyrex steam electric iron. H. Hayashi. 2,433,901, Jan. 6.
 Pyrrole colouring matters, Manufacture of new. E. P. Goodings and M. A. T. Rogers. 2,434,039, Jan. 6.
 Racemization of α -hydroxy- β , β -dimethyl- γ -butyrolactone. J. Weijlard and J. P. Messerly. 2,434,061, Jan. 6.
 Rack: See—
 Hose rack.
 Radar test apparatus. S. Sensiper. 2,433,868, Jan. 6.
 Range finder, Inexpensive monoblock. B. E. Luboshes. 2,434,172, Jan. 6.
 Reamer, Expansion. H. R. Seifert. 2,434,126, Jan. 6.
 Receptacle and dispenser, Cigarette. B. Olivier. 2,434,222, Jan. 6.
 Reel: See—
 Automatic reel.
 Refrigerator evaporator. C. E. Hickman. 2,433,951, Jan. 6.
 Regulating valve. W. W. Taylor. 2,434,020, Jan. 6.
 Regulator system, Multiple. H. Ziebolz. 2,434,189, Jan. 6.
 Relay system, Sound operated. H. C. Hayes and H. M. Trent. 2,433,845, Jan. 6.
 Resin treatment. L. Auer. 2,433,832, Jan. 6.

LIST OF INVENTIONS

Rim. C. W. Sinclair. 2,434,180, Jan. 6.
 Robe carriage. O. Kovary. 2,434,218, Jan. 6.
 Rocking horse. W. J. Stensel. 2,434,058, Jan. 6.
 Rod: See—
 Push rod.
 Rodent trap. J. J. Mitchell. 2,433,919, Jan. 6.
 Roof covering. I. P. Whitehouse. 2,434,185, Jan. 6.
 Rotary drill. C. J. Esseling. 2,434,104, Jan. 6.
 Rotary switch. D. P. Mossman. 2,433,920, Jan. 6.
 Safety device. W. E. Palmer. 2,434,009, Jan. 6.
 Sash and screen. Combination storm. F. F. Bell. 2,433,835, Jan. 6.
 Scraper, Paramn. R. E. Meynig. 2,433,955, Jan. 6.
 Screen supporting structure. Picture. J. T. Heck and L. J. Du Mais. 2,434,071, Jan. 6.
 Seal and locking device. Threshold. C. R. Hunter. 2,434,042, Jan. 6.
 Seal. Shaft. F. G. Ferguson and R. C. Thompson. 2,433,839, Jan. 6.
 Sealed insulation block. A. L. Jennings and H. C. Brown, Jr. 2,433,847, Jan. 6.
 Seat for high-speed conveyances. Crash. D. Henderson. 2,433,950, Jan. 6.
 Separator: See—
 Egg separator.
 Sewage lift. W. P. Whittington. 2,434,027, Jan. 6.
 Sewage treating apparatus comprising a receptacle having a rotatable support partially submerged in liquid therein and having a matrix of oxidizing bacteria thereon. J. G. Bevan. 2,433,854, Jan. 6.
 Sewing machine. Filled bag. P. A. Herr. 2,434,158, Jan. 6.
 Shaker conveyor. W. W. Sloane. 2,433,961, Jan. 6.
 Sharpening device. H. Brown. 2,434,141, Jan. 6.
 Shelf structure with guard for refrigerator doors. R. H. Money and J. W. Craig. 2,434,117, Jan. 6.
 Shoe. C. F. Vlasak. 2,434,024, Jan. 6.
 Signal: See—
 Mailbox signal.
 Signal for motion-picture projection apparatus. Reel. J. G. Jackson. 2,433,908, Jan. 6.
 Slip. D. I. Klein. 2,434,112, Jan. 6.
 Speedometer switch. J. Fairhurst. 2,433,895, Jan. 6.
 Spray coating machine. K. Potthoff. 2,434,176, Jan. 6.
 Staple strip and staple. J. C. Lang. 2,433,914, Jan. 6.
 Steaming and pressing iron. F. B. Wolcott. 2,434,138, Jan. 6.
 Stop motion in circular looms. Thread operated. V. M. J. Ancet. 2,433,824, Jan. 6.
 Stove. Heating. R. A. Doering. 2,433,829, Jan. 6.
 Stud driving machine. L. B. Runkle. 2,433,959, Jan. 6.
 Sutureless method of rectosigmoid anastomosis and apparatus therefor. T. G. Yeomans. 2,434,030, Jan. 6.
 Suturing device. L. D. Volk. 2,434,138, Jan. 6.
 Swimming device. R. C. Bates. 2,434,032, Jan. 6.
 Switch: See—
 Equilibrated inertia switch. Rotary switch.
 Illuminated safety switch. Speedometer switch.
 Switch. C. A. Ponti. 2,434,012, Jan. 6.
 System for object detection and distance measurement. M. Elie, H. Gutton, J. J. Hugon, and M. Ponte. 2,433,838, Jan. 6.
 Tank for refrigerator cars. Refrigerant. E. R. Battley and G. E. McCoy. 2,434,062, Jan. 6.
 Tappet construction. J. H. Hoern and M. D. Archangel. 2,434,072, Jan. 6.
 Television transmitting tube. P. K. Welmer. 2,433,941, Jan. 6.
 Terminal. Distributing. J. W. Channell. 2,434,102, Jan. 6.
 Tetraacetylribonamide and making it. M. Tishler. 2,434,060, Jan. 6.
 Textile spindle mounting. H. Gleitz and C. E. Miller. 2,433,987, Jan. 6.
 Textiles with a powdered blanket. Printing. W. C. Ross. 2,434,018, Jan. 6.
 Ticket. Readily removable. M. Helmlich and F. H. Ogden. 2,433,949, Jan. 6.
 Tie device for wall forms. A. H. Symons. 2,433,934, Jan. 6.
 Tire. Antiskid rubber. C. A. and L. Gapen. 2,434,207, Jan. 6.
 Tires. Retreading. J. C. Heintz. 2,434,156, Jan. 6.
 Tobacco sheets and filaments and making them. F. H. Wells and F. J. Sowa. 2,433,877, Jan. 6.
 Tone arm mounting. R. M. Cain. 2,434,033, Jan. 6.

Tool: See—
 Cutting tool.
 Toolholder. Z. W. Kelley. 2,434,075, Jan. 6.
 Torpedoes or bombs. Stabilizing and steering of aerial. W. G. Wilson. 2,434,187, Jan. 6.
 Torque converter and coupling. Rotary fluid. R. J. Miller. 2,434,218, Jan. 6.
 Toy. Dancing figure. D. B. Swayse. 2,434,059, Jan. 6.
 Track landing element and mounting same on aircraft. Endless. G. H. Dowty. 2,433,830, Jan. 6.
 Transfer mechanism for plural compartment concrete mixing drums. A. McMillan. 2,434,216, Jan. 6.
 Transmission of glass. Improving stability and ultraviolet. J. L. Sheldon. 2,433,928, Jan. 6.
 Transmitter and receiver. Supersonic signal. C. Chlowsky. 2,434,143, Jan. 6.
 Transmitter. Telephone call. L. J. Bowne. 2,433,836, Jan. 6.
 Transmitting apparatus. Underwater image. H. A. Adams. 2,433,971, Jan. 6.
 Trap: See—
 Animal trap.
 Rodent trap.
 Tray. Ash. W. Stevenson. 2,434,181, Jan. 6.
 Tree tapping machine. Portable drill. H. E. Allen. 2,434,089, Jan. 6.
 Trouser construction. A. J. Miller. 2,434,217, Jan. 6.
 Truck. Railway. K. Henrichsen. 2,433,902, Jan. 6.
 Truss. Hernial. G. Ajdukovich. 2,434,088, Jan. 6.
 Tube: See—
 Television transmitting tube.
 Tube for refrigerator systems. Restrictor. D. F. Newman. 2,434,118, Jan. 6.
 Tubing. Manufacture of capillary. J. C. Osborn. 2,434,008, Jan. 6.
 Tubular members by progressive helical welding. Making. H. P. Van Keuren. 2,433,966, Jan. 6.
 Turbine arrangement for cooling idle turbines. Reversible. G. Hoffmann. 2,434,160, Jan. 6.
 2-carboxy-halogeno-1,4-thiachromanone. E. W. Bousquet. 2,434,100, Jan. 6.
 Ultra high frequency resonator device. E. D. McArthur. 2,434,116, Jan. 6.
 Undershirt. Child's. O. L. Long. 2,433,915, Jan. 6.
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 Vacuum desiccating apparatus using the evaporator and condenser of a refrigerating device. W. L. Morrison. 2,434,003, Jan. 6.
 Valve: See—
 Regulating valve.
 Valve for gaseous fuel burners. Control. C. M. Mayer. 2,434,215, Jan. 6.
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 Invalid's vehicle.
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 Vending container. LeRoy S. Sayre. 2,433,926, Jan. 6.
 Vending machine. C. W. Tawney, S. J. Demarco, Jr., and P. H. Herrick. 2,433,873, Jan. 6.
 Ventilating system for motion-picture machines. K. Brenkert. 2,434,193, Jan. 6.
 Ventilator for enclosed spaces. T. Alton. 2,434,090, Jan. 6.
 Vinyl resin film, sheeting, and the like. Manufacturing cast. A. J. Seitz. 2,434,231, Jan. 6.
 Vise for clamping the end portions of cables or ropes. F. R. Granger. 2,433,899, Jan. 6.
 Web guiding apparatus. W. T. Stanford. 2,434,128, Jan. 6.
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 Weld control. Method of and apparatus for. H. D. van Sciver. 2,433,967, Jan. 6.
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 Weld testing apparatus. J. P. Tarbox and E. M. Callender. 2,433,963, Jan. 6.
 Wheel cover. G. A. Lyon. 2,433,854-5, Jan. 6.
 Wheels. Ascertaining actual positioning of automobile. C. I. Fields. 2,434,205, Jan. 6.
 Wing and stabilizer structure for gliders. L. J. Marhofer. 2,433,999, Jan. 6.
 Wool with azo dye chrome complexes and chromic salts. Dyeing. N. M. Mackenzie and M. E. Nestler. 2,434,173, Jan. 6.
 Xylophone. H. Zimmerman. 2,434,137, Jan. 6.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 6, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

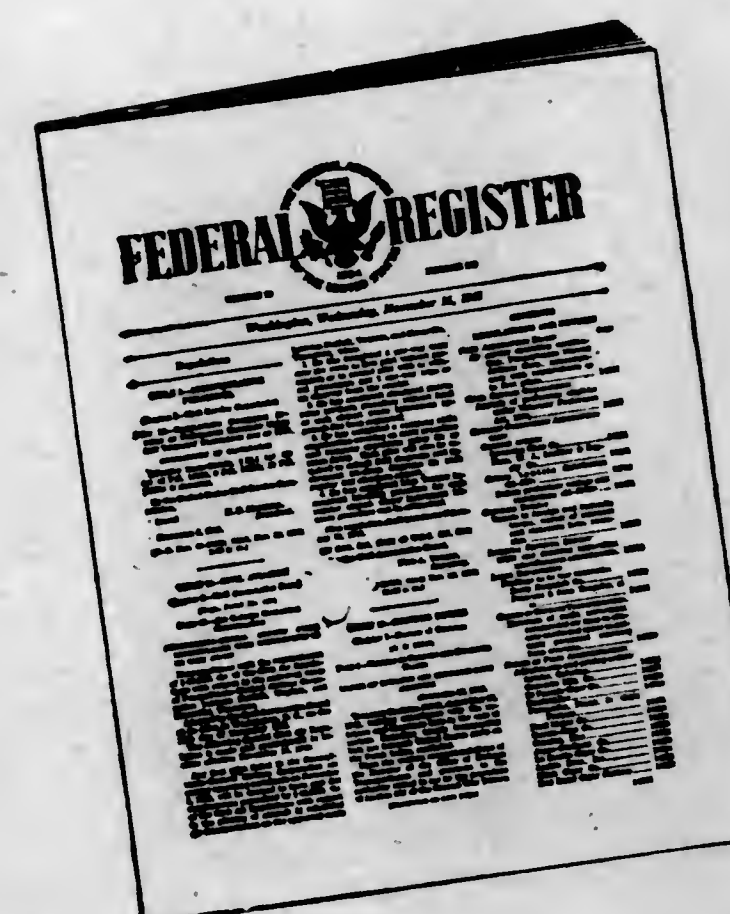
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Condition of Applications Under Examination at Close of Business Dec. 19, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 151,610; Trade-Mark Division, 26,863. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 4, 1946.)		Oldest new appli- cation and oldest action by appli- cant awaiting office action		Applications awaiting action
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.		Apr. 11	Apr. 4	3,423
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.		Mar. 13	Feb. 11	3,830
3. MARMELESTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus).		†Jan. 31	Sept. 5	1,082
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.		June 13	May 24	3,918
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters.		Jan. 31	Jan. 19	2,324
6. SURLE, H., Carbon Chemistry (part).		†Feb. 15	Dec. 30	1,791
7. HANLIN, GEORGE, Optics; Photographic Apparatus.		†Mar. 3	Nov. 23	1,795
8. IMUS, A. E., Furniture; Racks and Cabinets.		Mar. 27	Apr. 12	4,005
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.		Apr. 26	Mar. 15	2,364
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators; Piezo-electric Crystals.		†Mar. 6	Oct. 31	887
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manu- factures; Nailing and Stapling; Whip Apparatus.		†Mar. 21	†Mar. 21	832
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Trans- mission with Clutch or Brake.		Sept. 20	June 10	2,020
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.		Mar. 9	Feb. 14	2,448
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabric; Farriery.		Dec. 19	Oct. 4	1,215
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.		May 21	Feb. 4	2,090
16. LOVEWELL, N. N., Telegraphy; Telephony.		†Apr. 2	Sept. 12	1,733
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.		July 17	May 9	1,763
18. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal- Combustion Engines.		Apr. 8	Mar. 25	1,637
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.		July 29	July 6	1,890
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.		Apr. 19	May 3	2,162
21. MADER, R. C., Textiles.		†Feb. 14	†Jan. 2	1,045
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.		June 20	May 24	1,916
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education.		Mar. 21	Mar. 9	1,310
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.		†Mar. 3	†Mar. 7	1,813
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.		June 11	Mar. 14	1,711
26. YOUNG, R. R., Electricity—Generation and Motive Power.		Oct. 16	Apr. 24	1,624
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.		Sept. 12	July 23	2,901
28. SOLYOM, H. L., Heating, Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.		Aug. 1	July 11	1,239
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.		Aug. 6	May 25	2,511
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidi- stats; Heating Systems; Ammunition and Explosive Devices.		Dec. 4	July 11	2,437
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.		†Mar. 25	†Feb. 17	1,977
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.		Apr. 6	Apr. 1	2,730
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.		Apr. 16	Mar. 5	3,364
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.		May 27	Mar. 1	1,335
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammu- nition and Explosive Charge Making.		July 13	June 14	2,701
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.		Mar. 29	Mar. 19	1,972
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.		†Jan. 18	Aug. 29	1,522
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber.		Aug. 30	May 6	1,718
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.		Mar. 7	Jan. 4	2,799
40. DRUMMOND, E. J., Receptacles (part); Packages.		July 22	May 8	3,081
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.		Mar. 1	Jan. 12	2,551
42. MARANS, H., Electric Signaling; Variable Transformer and Reactor Structure; Electricity, Voltage Mag- nitude and Phase Control Systems.		Sept. 21	Oct. 19	893
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.		†Mar. 26	†Feb. 12	1,336
44. HARVEY, L. P., Refrigeration; Preserving.		Mar. 7	Feb. 1	1,384
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.		Apr. 9	Feb. 28	2,006
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Exin- guishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.		May 7	May 15	1,834

NOTE.—The dates given are 1946 except where † indicates 1947.

Condition of Applications Under Examination—Continued

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
		New	Amended	
(Total number of applications awaiting action, excluding Trade-Mark Division, 151,510; Trade-Mark Division, 25,863. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 4, 1946.)				
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes.....	Dec. 4	Sept. 25	2,015	
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters.....	May 9	Apr. 27	1,695	
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.....	Aug. 5	June 12	1,600	
50. LEVIN, SAMUEL, Synthetic Resins.....	†Jan. 18	Sept. 18	2,405	
51. FRIEDMAN, M. H., Radiant Energy (part, e. g. Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.....	Oct. 23	June 29	1,990	
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.....	Sept. 28	July 3	3,702	
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter; Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.....	Apr. 12	Mar. 6	3,477	
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.....	Dec. 5	Oct. 12	1,969	
55. HOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet.....	Mar. 28	Apr. 5	1,847	
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing.....	†Mar. 3	†Jan. 22	1,181	
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.....	Apr. 15	Apr. 2	3,484	
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.....	Dec. 7	June 24	1,427	
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).....	Apr. 30	Apr. 12	2,053	
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.....	Oct. 30	Sept. 19	1,528	
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.....	May 2	Mar. 23	3,139	
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors.....	July 1	May 15	1,604	
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.....	†Jan. 13	Nov. 29	1,602	
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous.....	†Apr. 9	†Apr. 8	1,807	
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors.....	†Jan. 23	Oct. 2	1,324	
66. LISANN, I., Geometrical Instruments.....	Feb. 23	Jan. 8	2,241	
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation.....	May 7	Mar. 7	2,157	
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control.....	Dec. 6	Aug. 5	1,623	
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters.....	Apr. 18	Feb. 20	1,160	
TRADE-MARKS: MERCHANT, J. H.....	†July 1	†July 10	25,863	
DESIGNS: BREHM, G. L.....	June 5	†June 24	8,183	

NOTE.—The dates given are 1946 except where † indicates 1947.

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

KATZINGER CO.

v.

CHICAGO METALLIC MFG. CO.

Nos. 70 and 71. Decided January 6, 1947.

[72 U. S. 18; 329 USPQ 394]

1. PATENTS—CERTIORARI—CONFLICTING DECISIONS.

Certiorari granted because of a conflict between a circuit court of appeals and the Pennsylvania Supreme Court in interpretation of *Sola Electric Co. v. Jefferson Electric Co.*, 317 U. S. 173.

2. SAME—LICENSE—PRICE FIXING PROVISION—ESTOPPEL AS TO VALIDITY OF PATENT.

The *Sola* case reaffirmed past decisions holding that price-fixing agreements in a license contract are unenforceable because of violations of the Sherman Act save as they may be within the protection of a lawful patent; it held further that local rules of estoppel cannot screen such agreements from court scrutiny and that Federal courts must, in the public interest keep the way open for the challenge of patents which are utilized for price-fixing of interstate goods. The decision was firmly grounded upon the broad public interest in freeing our competitive economy from the trade restraints which might be imposed by price-fixing agreements stemming from narrow or invalid patents.

3. SAME—ESTOPPEL AS TO VALIDITY.

Scott Paper Co. v. Marcalus, 326 U. S. 249, held that even an assignor who had sold a patent issued to itself was free to challenge the validity of the patent and thereby defeat an action for infringement by showing that the invention had been described in an expired patent.

4. SAME—LICENSE—ROYALTY COVENANT AND PRICE FIXING AGREEMENTS INSEPARABLE.

Licensee's obligation to pay royalties and its agreement to sell at prices fixed by the licensor constituted an integrated consideration for the license grant; consequently when one part of the consideration is unenforceable because in violation of law, its integrated companion must go with it, because of the solicitude for the interest of the public fostered by freedom from invalid patents and from restraints of trade.

5. SAME—SAME—SAME.

Since the royalties here claimed accrued, if they accrued at all, prior to the time the license agreement terminated, the fact of subsequent termination does not free the promise to pay royalties from the taint of the price-fixing provision.

6. SAME—SAME—ESTOPPEL AS TO VALIDITY.

Nor does the fact, if it be a fact, that the licensee itself suggested the price-fixing provision, bar the licensee's challenge to the patent's validity; the contract was still illegal, whoever suggested it, so that there is no less reason for leaving the way open to challenge the patent as a service to the public interest than if the licensor had suggested price fixing; licensee's specific contract not to challenge the validity of the licensor's patent can no more override congressional policy than can an implied estoppel.

ON WRIT OF certiorari to the United States Court of Appeals for the District of Columbia.

REVERSED AND REMANDED.

Charles J. Merriam (Stanley Hoods of counsel) for Katzinger.

Max Zabel (Ephraim Banning of counsel) for Chicago Metallic Mfg. Co.

George T. Washington, Wendell Berge, Charles H. Weston, Robert G. Seaks, and Philip Marcus filed brief on behalf of United States as amicus curiae.

Mr. Justice BLACK delivered the opinion of the Court.

The question here is whether the defendant, in a suit to recover royalties only under a terminated patent license agreement containing price-fixing provisions, can challenge the validity of the patent despite a covenant in the license contract that he would not do so.

The petitioner, Edward Katzinger Company, and the respondent, Chicago Metallic Mfg. Company, make and sell tin baking pans. The undenied testimony was that Metallic sold its pans over a large part of the United States, probably in every State in the country. Katzinger became owner of Jackson patent No. 2,077,757 on a certain type of pan.¹ Metallic, accused of infringing, entered into a licensing contract under which, upon payment of stipulated royalties, it was authorized to manufacture and sell pans made in accordance with the claimed invention. Sections 3 and 11 of the license contract, set out below,² provided that Metallic, like all other

¹ Other patents, originally in suit, are not involved in this case.

² "3. Licensor agrees that while this agreement remains in force and effect, if it permits others under license or other agreement to manufacture or sell articles or devices embodying or made in accordance with any of the patents or applications hereinbefore described, upon terms more favorable than those granted the licensee hereunder, the licensor shall immediately notify the licensee hereunder and grant the same terms to the licensee."

"11. Licensor reserves the right to establish a minimum sales price for the articles or products which licensee is licensed to manufacture hereunder and to modify or change such minimum prices from time to time during the life of this agreement. The licensor, as well as licensee and any other person, persons or corporation licensed by licensor, shall not, with the consent of licensor, sell or offer for sale, or otherwise dispose of any of the licensed devices or products below said minimum sales price, or on more favorable terms of sale than those set forth in any such scale of prices so established by licensor. Contemporaneously with the execution and delivery of this license agreement, licensee has received from licensor a schedule of minimum prices, effective as of the date hereof, below which none of the products or devices made under this license shall be sold. Licensor reserves the right, upon thirty (30) days' notice in writing given by licensor to licensee, to change said minimum prices from time to time during the life hereof. On such articles or devices made and sold by licensee as to which licensor shall have failed or neglected to establish a minimum sales price, the royalty shall likewise be computed on the net sales price received by licensee from its customers. Licensee or its duly authorized representatives shall have access from time to time to the books of account of licensor during ordinary business hours for the purpose of determining whether or not licensor has complied with the provisions of this paragraph."

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licensees, should sell these pans at prices fixed by Katzinger. Royalties were to be computed on the basis of "net sales" of articles "made in accordance with any of the patents or applications under this license." Section 14 provided that if Metallic elected to terminate the contract, without ceasing to manufacture the pans, Metallic should "be estopped from denying the validity of said patent . . . and be deemed an infringer thereof." Metallic maintained the patentee-fixed prices and paid royalties on pans deemed by it to be covered by the patent.*

A controversy later arose as to whether certain types of pans manufactured by Metallic were covered. Declining to pay royalties on this type of pan, Metallic gave notice of termination of the contract and initiated this action for a declaratory judgment praying that the court declare that the patent was invalid for want of invention and that the controversial pans were not covered by, and did not infringe, any of Katzinger's patents. Katzinger in an answer and counterclaim alleged, so far as material here, that the patent covered all the Metallic pans, that Metallic was estopped to challenge validity of the patent by § 14 of the contract, and that Metallic either owed royalties or was liable for infringement. It prayed, among other things, for an accounting for unpaid royalties which were to be computed at 2.5% to 5% of the sales price which was governed by the minimum price list attached to the license.⁴ In the alternative it prayed that Metallic be required to account for profits and damages as an infringer. The district court held that Metallic was estopped to challenge the validity of the patents, and, treating them as valid, found that the patent claims did cover all the pans. Accordingly, it ordered an accounting to determine royalties due for the period prior to termination of the license contract, and for infringement damages thereafter.

[1] Relying upon our decision in *Sola Electric Co. v. Jefferson Electric Co.*, 317 U. S. 173, 547 O. G. 3, the circuit court of appeals reversed. It held that the agreement to fix prices was inseparably connected with the agreement to pay royalties; that if the patent was invalid, the price-fixing provision violated the Federal anti-trust laws; that conflict of the price-fixing provision with the anti-trust laws would make the agreement to pay royalties, unenforceable; and that the district court had erred in barring Metallic from challenging the patent's validity as a predicate to establishing the illegality and consequent unenforceability of the royalty covenant. The cause was remanded to the district court

*Of course it is the unlawful agreement, whether it is executed or not, which violates the anti-trust laws. *U. S. v. Socony Vacuum*, 310 U. S. 150; *U. S. v. American Tobacco Co.*, 328 U. S. —. In the cases here the parties stipulated that "in pursuance of this license agreement Metallic did, for a period of two years, more or less, exercise the license therein given by making certain tinware products, maintaining minimum prices and paying therefor applicable royalties." While the court originally made findings to the effect that Metallic did not attempt to carry out the price fixing agreement and was willing to have it removed from the contract, these findings were expressly vacated on remand.

⁴The schedule of minimum prices incorporated by reference into the license agreement was set out as an exhibit in Katzinger's counterclaim.

to pass upon validity of the patent. 139 F.2d 291. That court then held the patent invalid a rendered judgment for Metallic. The circuit court of appeals affirmed. 153 F.2d 149. We granted certiorari because of a conflicting decision in *MacGregor v. Westinghouse Electric Co.*, 350 Pa. 333. The Pennsylvania Supreme Court in the *MacGregor* case ruled that price-fixing provisions in a license agreement such as the one before us were severable from the agreement to pay royalties, and read our *Sola* case as though it were a holding that a licensee was estopped to challenge a patent's validity except in cases where a licensor sought affirmative relief to enforce price-fixing provisions of a license.

We need not consider whether under the ruling of *Bement v. National Harrow Co.*, 186 U. S. 70, 87-91, 101 O. G. 887, these price-fixing provisions would be lawful if the patent were valid. The question here is entirely different. Nor need we, as it has been suggested, discuss this Court's opinions in *Kinsman v. Parkhurst*, 18 How. 289, and *United States v. Harvey*, 196 U. S. 310, which were concerned with particular circumstances there involved. In the *Sola* case we declined to examine these prior decisions, holding that neither of them was relevant because "no price-fixing stipulation was involved in the license contract" at issue in those cases. So here, it would be inappropriate to re-examine those decisions now. Under what other circumstances a Federal rule of estoppel might be applied is a question which can be met when particular facts present it.

[2] The *Sola* case reaffirmed past decisions holding that price-fixing agreements such as those here involved are unenforceable because of violations of the Sherman Act save as they may be within the protection of a lawful patent. That case held further that local rules of estoppel cannot screen such agreements from court scrutiny, and that Federal courts must, in the public interest, keep the way open for the challenge of patents which are utilized for price-fixing of interstate goods. It is true that the licensee there not only sought a recovery of royalties, but prayed generally for an injunction to require observance of all the provisions of the license agreement, one of which provisions was for price-fixing. But that the chief object of that suit was to recover royalties and not to require observance of the price-fixing provisions is indicated by the fact that, while breaches of other covenants of the contract were alleged in the petition, and specific prayers for their observance were included, there was no charge that the licensee had breached the price-fixing covenant and there was not specific prayer to require observance of it. Nor did this Court indicate that the patent would have been immune from challenge had the licensee sued for royalties only. This would have permitted a licensor to be protected on an illegal contract merely because the licensee chose one remedy rather than another on the same substantive issue. If we had intended to draw such a fine line, it is hard to believe that such a careful writer as the late Chief Justice would have failed to indicate in the opinion or the mandate of the

Court in the *Sola* case that on remand the trial court, while permitting challenge of the patent to defeat the injunction, must treat the price-fixing provision as severable, and forbid challenge for the purpose of defeating the claim for recovery of royalties.⁵ That decision, instead of resting on such a narrow procedural base, was firmly grounded upon the broad public interest in freeing our competitive economy from the trade restraints which might be imposed by price-fixing agreements stemming from narrow or invalid patents. *Sola Co. v. Jefferson Electric Co.*, supra at 177.

[3] In *Scott Paper Co. v. Marcalus Co.*, 326 U. S. 249, it was held that even an assignor who had sold a patent issued to itself was free to challenge the validity of the patent and thereby defeat an action for infringement by showing that the invention had been described in an expired patent. In thus emphasizing the necessity of protecting our competitive economy by keeping open the way for interested persons to challenge the validity of patents which might be shown to be invalid, the Court was but stating an often expressed policy that "It is the public interest which is dominant in the patent system," *Mercoird Corp. v. Mid-Continent Investment Co.*, 320 U. S. 661, 665, and that the right to challenge "is not only a private right to the individual, but is founded on public policy which is promoted by his making the defense, and contravened by his refusal to make it." *Pope Mfg. Co. v. Gormully*, 144 U. S. 224, 235, 590 O. G. 464.

[4] If the question of severability, urged by the petitioner here, were a new one, we should again arrive at the conclusion we reached in the *Sola* case. Metallic's obligation to pay royalties and its agreement to sell at prices fixed by Katzinger constituted an integrated consideration for the license grant. Consequently, when one part of the consideration is unenforceable because in violation of law, its integrated companion must go with it. See *Hazleton v. Schenckles*, 202 U. S. 71, 78. Moreover, solicitude for the interest of the public fostered by freedom from invalid patents and from restraints of trade, which has been manifest by the line of decisions of which the *Scott Paper Co.* and *Sola* cases are two of the latest examples, requires that there should be no departure from the guiding principles they announced.

[5], [6] The royalties here claimed accrued, if they accrued at all, prior to the time the license agreement terminated. Consequently, the fact of subsequent termination does not free the promise to

⁵The cases cited in the *Sola* decision rejected contentions that the offending price fixing provisions should be considered severable from the rest of the contract and therefore enforceable. See e. g., *Bement v. National Harrow Co.*, 186 U. S. 70, 88, 101 O. G. 887; *Continental Wall Paper Co. v. Louis Voight & Sons Co.*, 212 U. S. 227, 230, 266.

That this Court's attention was called in the *Sola* case to this question is shown by examination of the brief filed here for *Sola* which cited decisions of this Court to support a contention that the provisions for royalties and price-fixing were inseparable and that royalties must be denied if the price-fixing provision were illegal. *Morton Salt Co. v. Suppiger*, 314 U. S. 488, 536 O. G. 3; *Loud v. Pomona Land & Water Co.*, 153 U. S. 564, 576; *Williams v. The Bank of the United States*, 2 Pet. 96.

⁶See *Morton Salt Co. v. Suppiger Co.*, supra at 492.

pay royalties from the taint of the price-fixing provision. Nor does the fact, if it be a fact, that Metallic itself suggested the price-fixing provision, bar Metallic's challenge to the patent's validity. For the contract was still illegal, whoever suggested it, so that there is no less reason for leaving the way open to challenge the patent as a service to the public interest than if Katzinger had suggested price-fixing. Finally, Metallic's specific contract not to challenge the validity of Katzinger's patent can no more override congressional policy than can an implied estoppel. See *Scott Paper Co. v. Marcalus Mfg. Co.*, supra, at 257 and cases cited.

AFFIRMED.

Mr. Justice FRANKFURTER, with whom concur Mr. Justice REED, Mr. Justice JACKSON and Mr. Justice BURTON (dissenting):

The Court deems the issues in these cases to be controlled by our decision in *Sola Electric Co. v. Jefferson Co.*, 317 U. S. 173, 547 O. G. 3. Such is not my understanding of the *Sola* decision. These cases cannot be properly decided, I believe, without consideration of one of the oldest doctrines of the patent law, namely, that a licensee cannot challenge the validity of the patent though everyone else may.

(1) Ninety years ago this Court unanimously announced the doctrine that a licensee under a patent is estopped from challenging the validity of that patent. *Kinsman v. Parkhurst*, 18 How. 289. The case may perhaps be explained, or even explained away. But the rule it expressed had become so much part of our law that fifty years later the Court deemed it unnecessary to discuss it and unanimously applied it even against the United States as licensee. *United States v. Harvey Steel Co.*, 196 U. S. 310. It is significant that the licensee in that case, while vigorously contesting its liability upon the particular facts, conceded that the doctrine of estoppel was law "as a general proposition."

(2) Before those cases and since, in all English-speaking jurisdictions, in the courts of England, of the Dominions and of the various States, as well as in the lower Federal courts, where most patent litigation originates and stops, a weighty body of cases affirmed and applied that doctrine with rare unanimity.¹ This Court has never questioned the rule.² The principle has withstood judicial scrutiny for nearly a century.

(3) Nor has the operation of the rule revealed inroads upon the public interest so as to stir efforts for its abrogation or restriction by Congress. Patent policy has been frequently reconsidered, and some rules formulated by courts were eliminated or modified. Yet in none of the four major patent statutes nor in any of the other numerous amend-

¹The early cases are collected in 14 Ann. Cas. 1194. Note also the unanimity among the authors of treatises. *Amdur, Patent Law and Practice* 598; *Ellis, Patent Assignments and Licenses* § 692 et seq.; 2 *Frost, Patent Law and Practice* 201; *Moulton, Patents* 244; *Rivise and Caesar, Patentability and Validity* § 10; 2 *Robinson, Patents* § 820; 2 *Walker, Patents* (Deller's ed.) § 383. And see the cases cited, especially in *Walker, Patents*, supra.

²*Cf. Eureka Company v. Bailey Company*, 11 Wall. 489, 492; *Eclipse Bicycle Company v. Farrow*, 199 U. S. 581, 587.

tory enactments was attempt made to abolish or limit estoppel in favor of the licensor.⁸ The Patent Office, charged by Congress with supervision of the patent system and the source of many suggestions enacted into law, has never included among its proposals recommendation to alter that doctrine.

(4) Not until 1942, apparently, was legislative correction invoked, and even then only partially. Several bills were introduced to permit contest of the validity of a patent in anti-trust suits. See S. 2730, Aug. 20, 1942; H. R. 7713, Oct. 15, 1942; H. R. 109, Jan. 6, 1943; H. R. 1371, Jan. 20, 1943. Only in the latest bills to be introduced is it proposed that "In any proceeding involving a violation of the anti-trust laws or involving a patent or any interest therein, a party shall be entitled to show the invalidity or the limited scope of any patent or patent rights involved." H. R. 3874, Dec. 18, 1943; H. R. 97, Jan. 3, 1945; H. R. 3462, June 13, 1945; S. 2482, July 26, 1946. Not one of these bills has yet reached the floor of Congress.

(5) If ever a doctrine has established itself as part of our law to be respected by the judiciary this is it. If it is to be changed, Congress is there to change it. Perhaps Congress will see fit to re-examine the doctrine in all its ramifications in the light of its history and the experience under it, and with due regard to all factors relevant to our patent system. We cannot do that. We can only adhere to the doctrine or overrule it. Until Congress does undo a principle so embedded in our law, we should leave it where we find it.

(6) But in any event, if we are to wipe out so settled a phase of our law it should be done explicitly, not cryptically. In my judgment the Sola decision does not give adequate support for the Court's opinion. The cases before us necessarily involve the estoppel doctrine and cannot be disposed of without appearing to overrule a settled course of decision.

(7) No doubt the Sola case, like these two, arose out of a claim for royalties under a patent license. But that there was a claim for royalties was hardly mentioned in the Court's opinion in the Sola case. The sole issue to which our attention was directed was a prayer that the licensee be enjoined from breach of his promise to abide by the prices fixed by the licensor for the sale of articles manufactured under the patent. Ever since the decision in *Dr. Miles Medical Co. v. Park & Sons Co.*, 220 U. S. 373, this Court, as a matter of judicial policy reflected in legislation, has denied enforcement of agreements not to sell goods below a fixed price. And so this Court has been on the alert not to allow an exception to what is a congressional as well as a judicial policy unless the basis for it is clean and clear.

The precise issue which we decided in the Sola case is not a matter for inference or conjecture. It

⁸ See Patent Act of 1790, 1 Stat. 109; Patent Act of 1793, 1 Stat. 318; Patent Act of 1836, 5 Stat. 117; Patent Act of 1870, 16 Stat. 198. See also the subsequent minor enactments, summarized, J. Pat. Off. Soc., July 1936, pp. 103-22. And see 1 Walker, Patents (Deller's ed.) appendix.

was explicitly defined and delimited. "The question for our decision," the late Chief Justice wrote, "is whether a patent licensee, by virtue of his license agreement, is estopped to challenge a price-fixing clause in the agreement by showing that the patent is invalid, and that the price restriction is accordingly unlawful because not protected by the patent monopoly." 317 U. S. at 173. That was the issue in the Sola case. It was not whether a licensee may challenge the validity of a patent when sued for royalties. It was not whether a provision for price-fixing undermined rights under estoppel against a licensee. It was whether the licensor could show the special dispensation pertaining to the holder of a valid patent, which entitles him to fix the price of a commodity manufactured under his patent, although such a pricing agreement would be unenforceable in the generality of cases. What was sought and what was denied in Sola was the active benefit of a price-fixing clause.

(8) In the cases before us price-fixing is not in issue.⁹ We are not asked to allow the licensor to have the benefit of a practice available only under a valid patent. To grant relief here will not, unlike the Sola case, approve a practice prima facie in restraint of trade. What we here have to decide is whether we shall allow the licensee to repudiate an agreement for the payment of money made in an arm's length transaction. For nearly a hundred years this Court has uniformly answered that question by using the legal shorthand of estoppel.

"In the instant case the court has not been requested either directly or indirectly to require MacGregor to maintain Westinghouse prices. By his own testimony he has not maintained them. The price-fixing clause is not in issue. It is raised merely as a defense to a suit for accounting and payment of accrued royalties." Discussion of findings by trial court in the MacGregor case.

As to the Katsinger case the district court opinion found that "no price fixing by the respondent has been proved by the petitioner. . . . At no time did the respondent attempt to carry it out and the respondent was at all times willing to have same removed from the contract." Further, a specific finding of fact was that "Respondent was always willing to eliminate the price-fixing provisions of the license agreement, and these provisions terminated ipso facto upon termination of the license by petitioner." It was on the basis of the facts so found by the district court that the circuit court of appeals held, when the estoppel issue was before it, that the mere presence of a price-fixing clause in the licensing agreement, whatever its setting and however inoperative, precluded estoppel against the licensee. 139 F.2d 291. With the estoppel issue thus eliminated, the case was returned to the district court to pass on the validity of the patent. Inasmuch as the circuit court of appeals had found that the district court had erred in its decree enforcing estoppel, the previous findings regarding estoppel became irrelevant and fell with the reversed decree. These findings, however, did not cease to be part of the record before the circuit court of appeals on the first appeal. It is that decision, with the record on which it is based, that is now before us. If the circuit court of appeals had enforced estoppel, the decree of the district court and the findings on which it is based would not have been vacated. The findings that were before the circuit court of appeals on the first appeal are now before us on review of that court's decision.

The license agreement provided for royalties based on a percentage of the net sales. The amount of the net sales was not fixed by agreement except insofar as certain scheduled articles call for a minimum price. The record does not show the prices at which the sales were made. Not only that, the claim of the licensee was that the articles for which royalties were claimed were outside the license. Plainly such articles were not included on the minimum price schedule and could not have been sold according to the scheduled price list. The claim for royalties, therefore, was not a claim for royalties at fixed prices.

(9) But if all the cases which have recognized and applied the doctrine of estoppel have been reduced, as apparently they have been, to derelicts, they should not be allowed to remain as obstructions on the stream of law. And not merely out of regard for the proper administration of law. The matter has practical consequences for all whose concern is patents. It is not questioned that a price-fixing clause in a license to manufacture under a valid patent falls outside the interdict of the anti-trust acts. *Bement v. National Harrow Co.*, 188 U. S. 70,¹⁰ 101 O. G. 887. The power to fix the price of patented articles is part of the patent grant. It is a mode of maintaining the integrity of a patent and as such is sanctioned by public policy. All that the Sola case held, and the only thing it held, was that a valid patent is indispensable to this right to fix prices.

But whether an inventor has a valid patent is a matter of increasing uncertainty. Hitherto, under the estoppel doctrine, a patentee could be assured that he would not have to litigate the validity of his patent with those to whom he grants license rights under it. Under the present decision, he cannot have this assurance of freedom from litigation if, under reasonable belief that he has a valid patent, he inserts a price-fixing clause in the license, even though afterwards he merely asks for royalties.

What matters is not merely that a patentee must now choose between two safeguards of his patent grant. In the Sola case the licensor asked for the enforcement of a pricing agreement. Here the price-fixing agreement is not brought into question and the patentee stands on his estoppel. This important difference is disregarded, the Sola case is deemed controlling, and the estoppel is left to fend for itself as a legal stray. By its silence, as by its reasoning in applying the Sola case, the decision will engender natural doubts as to the continuing validity of the estoppel doctrine even in those cases where no pricing agreement had ever existed. The result is that all future arrangements between licensor and licensee are overhung by a cloud of doubt as to what one who believes that he holds a valid patent should do in granting licenses under it.

If he insists on a price agreement to help maintain the integrity of his business, he runs the risk of losing his royalties since the mere existence of the price-fixing clause (which is all we have here) may find him entirely in the cold if it should turn out that the patent is not sustained. So long as the

estoppel doctrine as such stands unrejected, the patentee may, therefore, prefer to forgo price-fixing and be satisfied with the bird in the hand in reliance on estoppel. But the upshot of the present decision is that the Court creates an unfair uncertainty as to the continued vitality of the historic estoppel doctrine. The result is that the patentee who forgoes his right to maintain prices in order to make certain that he can at least collect his patent royalties without the cost and uncertainty of litigation, may find himself caught in the optimism of his belief as to the vitality of the estoppel doctrine unembarrassed by any price-fixing provision. For he may have given up what he might otherwise assert as a patentee to make sure that he can in any event have what estoppel would give him. It would seem fair to pronounce now that the doctrine of estoppel has or has not survived so that those who deem themselves holders of patent rights might not suffer because they assumed that the Court would preserve that which by no intimation it purports to jettison.

(10) The problem before the Court can be treated as though it was the same as that in the Sola case only if a distinction with a difference makes no difference. It is one thing to refuse to enforce a contract restraining trade by price fixing unless positive justification is shown in the form of a valid patent. It is quite another to use the excuse of an inoperative price-fixing clause to allow a licensee to escape his otherwise valid promise to pay royalties.¹¹ Nowhere in the Sola case did the Court intimate that the decision rested upon the importance to the public economy of allowing challenge to the validity of a patent by those particular members of the public who in a fair bargain had agreed not to do so. In fact, the doctrine of estoppel, flowing from *Kinsman v. Parkhurst* and applied in *United States v. Harvey Steel Co.*, was explicitly noted only to be put to one side because "here a different question is presented." 317 U. S. at 175. It was again put aside in *Allwater v. Freeman*, 319 U. S. 359, 364,¹² 536 O. G. 523. The question which those cases did not have to meet should now be met otherwise than by disregard. The Court's essential reasoning would apply equally where the license never attempted to fix prices. If a doctrine that was vital law for more than ninety years will be found to have now been deprived of life, we ought at least to give it decent public burial.

⁹ The considerations that determine the granting of a license on payment of royalties are distinct from those that underlie an additional clause for price-fixing. They are not interdependent in fact and were not so treated by the parties; no artificial notion regarding consideration requires that they be treated as interdependent. On lesser considerations of policy than have guided the course of patent law, this Court has refused to treat separate provisions of a contract as integrated. See *Philadelphia, Wilmington & Baltimore Railroad Co. v. Howard*, 13 How. 307, 339; *Pollak v. Brush Electric Association*, 128 U. S. 446, 455.

¹⁰ *Scott Paper Co. v. Marcalus Co.*, 326 U. S. 249, went on the ground that an earlier expired patent had put the device in question into the public domain.

¹¹ Upon full consideration the principle of the *Bement* case was reaffirmed and applied in *United States v. General Electric Co.*, 272 U. S. 476. The latter case in turn was cited with approval in *Carbice Corp. v. American Patents Corp.*, 283 U. S. 27, 31. It is relevant to note that Mr. Justice Brandeis joined in the General Electric opinion and himself wrote the Carbice opinion. No member of this Court has been more resourcefully alert to protect the public interest from undue extension of the patent monopoly while at the same time observing the rights which Congress has seen fit to confer by the patent grant.

Supreme Court of the United States

TRANSPARENT-WRAP MACHINE CORPORATION

v.

STOKES & SMITH COMPANY

No. 208. Decided February 3, 1947

[329 U. S. 637; 72 USPQ 148]

1. PATENTS—CERTIORARI—PUBLIC IMPORTANCE OF INVENTION.

Certiorari granted because of the public importance of the question presented—legality and enforceability of a patent license agreement—and of the apparent conflict between decisions of the Second and Seventh Circuit Courts of Appeals.

2. SAME—LICENSE—TIED TO USE OF UNPATENTED ARTICLES.

An owner of a patent may not condition a license so as to tie to the use of the patent the use of other materials, processes or devices which lie outside of the monopoly of the patent. The requirement that a licensee under a patent use an unpatented material or device with the patent might violate the anti-trust laws but for the attempted protection of the patent; however, the condemnation of the practice does not depend on such a showing, for though control of the unpatented article or device falls short of a prohibited restraint of trade or monopoly, it will not be sanctioned.

3. SAME—ASSIGNMENT—CONSIDERATION THEREFOR.

All patents are assignable and the assignee has the same exclusive rights as the patentee (R. S. 4893). The statute does not limit the consideration which may be paid for the assignment to any species or kind of property; at least so far as the terms of the statute are concerned, we see no difference whether the consideration is services, or cash, or the right to use another patent.

4. SAME—SAME—SAME.

A patent is a species of property. It gives the patentee or his assignee the exclusive right to make, use and vend the invention or discovery for a limited period, that is to say, it carries for the statutory period a right to be free from competition in the practice of the invention. That exclusive right, being the essence of the patent privilege, is, for purposes of the assignment statute, of the same dignity as any other property which may be used to purchase patents.

5. PATENTS—LICENSE—LIMITATIONS.

The fact that a patentee has the power to refuse a license does not mean that he has the power to grant a license on such conditions as he may choose.

6. SAME—SAME—SAME.

Beyond the "limited monopoly" granted by the patent, the methods by which a patent is exploited are "subject to the general law."

7. SAME—SAME—AGREEMENT TO ASSIGN IMPROVEMENT PATENTS.

An improvement patent, like the basic patent to which it relates, is a legalized monopoly for a limited period. The law permits both to be bought and sold. One who uses one patent to acquire another is not extending his patent monopoly to articles governed by the general law and as respects which neither monopolies nor restraints of trade are sanctioned. He is indeed using one legalized monopoly to acquire another legalized monopoly.

8. SAME—SAME—SAME.

Congress has not made illegal the acquisition of improvement patents by the owner of a basic patent. The assignment of patents is indeed sanctioned, and there is no difference in the policy of the assignment statute whatever consideration may be used to purchase the improvement patents. The end result is the same whether the owner of the basic patent uses a license to obtain improvement patents or uses the wealth which he accumulates by exploiting his basic patent for that purpose.

9. SAME—SAME—SAME.

A patent license may not be used coercively to exact a condition contrary to public policy, but what falls within the terms of the assignment statute is plainly not per se against the public interest.

10. SAME—SAME—SAME.

It is true that the monopoly which the licensor obtains when he acquires the improvement patents extends beyond the term of his basic patent, but that is not creating by agreement a monopoly which the law otherwise would not sanction, for the grant of the improvement patent itself creates the monopoly and the effect on the public interest would seem to be the same whether the licensee or the licensor owns the improvement patents.

11. SAME—SAME—SAME.

The suggestion that the enforcement of the condition to assign improvement patents would be against public policy, because it gives the licensee less incentive to make inventions, thereby defeating the primary aim of the patent laws which is to promote the progress of science and the useful arts, *Held* not persuasive here, because any improvement patent can be put to immediate use and exploited for the account of the licensee, who pays no additional royalty on any improvement patents so used; the agreement thus serves a function of supplying a market for the improvement patents.

12. SAME—SAME—SAME—ANTI-TRUST LAWS.

We are quite aware of the possibilities of abuse in the practice of licensing a patent on condition that the licensee assign all improvement patents to the licensor, and conceivably the device could be employed with the purpose or effect of violating the anti-trust laws; and a patent may be so used as to violate the anti-trust laws. Such violation may arise through conditions in the license whereby the licensor seeks to control the conduct of the licensee by the fixing of prices or other restrictive practice.

13. SAME—SAME—SAME—SAME.

Though Congress has made no specific prohibition against conditioning a patent license on the assignment by the licensee of improvement patents, that does not mean that the practice has immunity under the anti-trust laws.

14. SAME—SAME—SAME—SAME.

Since the district court found no violation of the anti-trust laws in the present case, and the circuit court of appeals did not reach that question, *Held* that the inclusion in the license of the condition requiring the licensee to assign improvement patents is not per se illegal and unenforceable.

ON WRIT of certiorari to the United States Court of Appeals for the District of Columbia.

REVERSED.

R. Morton Adams (W. B. Morton, Jr., of counsel) for Transparent.

Samuel E. Darby, Jr. (Virgil E. Woodcock of counsel), for Stokes.

George T. Washington, John F. Sonnett, Paul A. Sweeney, John C. Stedman, and Harry Kotlar filed brief on behalf of the United States as amicus curiae.

Mr. Justice DOUGLAS delivered the opinion of the Court.

This is a suit for a declaratory judgment (Judicial Code § 274d, 28 U. S. C. § 400) and an injunction, instituted by respondent for the determination of the legality and enforceability of a provision of a patent license agreement. The district court, whose jurisdiction was based on diversity of citizenship (Judicial Code § 24(1), 28 U. S. C. § 41(1)) entered

judgment for petitioner, holding the provision valid. — F. Supp. —. The circuit court of appeals reversed by a divided vote, 156 F.2d 198, being of the opinion that the provision in question was illegal under the line of decisions represented by *Mercoind Corporation v. Mid-Continent Co.*, 320 U. S. 661, 561 O. G. 345. [1] The case is here on a petition for a writ of certiorari which we granted because of the public importance of the question presented and of the apparent conflict between the decision below and *Allbright-Nell Co. v. Stanley Hiller Co.*, 72 F.2d 392, decided by the Seventh Circuit Court of Appeals.

Petitioner, organized in 1934, has patents on a machine which bears the trade-mark "Transwrap." This machine makes transparent packages, simultaneously fills them with such articles as candy, and seals them. In 1937 petitioner sold and respondent acquired the Transwrap business in the United States, Canada, and Mexico, the right to use the trade-mark "Transwrap," and an exclusive license to manufacture and sell the Transwrap machine under the patents petitioner then owned or might acquire. The agreement contained a formula by which royalties were to be computed and paid. The term of the agreement was ten years with an option in respondent to renew it thereafter for five-year periods during the life of the patents covered by the agreement. The agreement could be terminated by petitioner on notice for specified defaults on respondent's part. The provision of the agreement around which the present controversy turns is a covenant by respondent to assign to petitioner improvement patents applicable to the machine and suitable for use in connection with it.¹

The parties had operated under the agreement for several years when petitioner ascertained that respondent had taken out certain patents on improvements in the machine. Petitioner notified respondent that its failure to disclose and assign these improvements constituted a breach of the agreement and called on respondent to remedy the default. When that did not occur, petitioner notified respondent

¹ The relevant portions of this provision read as follows:

"If the licensee shall discover or invent an improvement which is applicable to the Transwrap packaging machine and suitable for use in connection therewith and applicable to the making and closing of the package, but not to the filling nor to the contents of the package, it shall submit the same to the licensor, which may, at its option, apply for Letters Patent covering the same. In the event of the failure of the licensor so to apply for Letters Patent covering such additional improvements, inventions or patentable ideas, the licensee may apply for the same. In the event that such additional Letters Patent are applied for and are granted to the licensor, they shall be deemed covered by the terms of this license agreement and may be used by the licensee hereunder without any further consideration, license fee or royalty as above provided. In the event that any such additional improvements are patented by the licensee for use in connection with Transwrap packaging machines, (after the refusal or failure of the licensor to apply for patents thereon), the licensor may, nevertheless, have the use but not the exclusive use of the same outside of the several territories covered by this license agreement. The expenses of obtaining any such patents shall be paid by the party applying therefor."

By another provision of the agreement, likewise challenged, it was provided that during the term of the license all improvement patents, whether secured by petitioner or by respondent, were to be included in the terms of the license without payment of an additional royalty. The petitioner, however, was to have the right to use and license the use of any such improvements outside the territories covered by the agreement.

ent that the agreement would be terminated on a day certain. Thereupon respondent instituted this action asking that the provisions respecting the improvement patents be declared illegal and unenforceable and that petitioner be enjoined from terminating the agreement.²

[2] In a long and consistent line of cases the Court has held that an owner of a patent may not condition a license so as to tie to the use of the patent the use of other materials, processes or devices which lie outside of the monopoly of the patent. *Motion Picture Patents Co. v. Universal Film Mfg. Co.*, 243 U. S. 502, 238 O. G. 311; *Carbice Corp. v. American Patents Dev. Corp.*, 283 U. S. 27, 406 O. G. 3; *Leitch Mfg. Co. v. Barber Co.*, 302 U. S. 458, 488 O. G. 657; *Morton Salt Co. v. Suppiger Co.*, 314 U. S. 488, 536 O. G. 3; *B. B. Chemical Co. v. Ellis*, 314 U. S. 495, 535 O. G. 683; *Mercoind Corporation v. Mid-Continent Co.*, supra, *Mercoind Corp. v. Honeywell Co.*, 320 U. S. 680, 560 O. G. 539. As stated in *Morton Salt Co. v. Suppiger Co.*, supra, p. 492, "... the public policy which includes inventions within the granted monopoly excludes from it all that is not embraced in the invention. It equally forbids the use of the patent to secure an exclusive right or limited monopoly not granted by the Patent Office and which it is contrary to public policy to grant." If such practices were tolerated, ownership of a patent would give the patentee control over unpatented articles which but for the patent he would not possess. "If the restraint is lawful because of the patent, the patent will have been expanded by contract. That on which no patent could be obtained would be as effectively protected as if a patent had been issued. Private business would function as its own patent office and impose its own law upon its licensees." *Mercoind Corp. v. Mid-Continent Co.*, supra, p. 667. The requirement that a licensee under a patent use an unpatented material or device with the patent might violate the anti-trust laws but for the attempted protection of the patent. *Id.* The condemnation of the practice, however, does not depend on such a showing. Though control of the unpatented article or device falls short of a prohibited restraint of trade or monopoly, it will not be sanctioned. *Morton Salt Co. v. Suppiger Co.*, supra. For it is the tendency in that direction which condemns the practice and which, if approved by a court either through enjoining infringement or enforcing the covenant, would receive a powerful impetus. *Id.*

The circuit court of appeals was of the view that the principle of those cases was applicable here and rendered illegal and unenforceable the covenant to

² Petitioner joined issue and filed a counterclaim asking that the improvement patents be assigned, that the agreement be held terminated and that respondent be enjoined from using the original or improvement patents. The district court dismissed the complaint, declared the agreement terminated, and ordered respondent to assign the petitioner the improvement patents. The circuit court of appeals, on reversing, held not only that the provision for the assignment of the improvement patents was unlawful but also that petitioner was excused from any further performance because respondent had repudiated its agreement to assign those patents. It remanded the cause to the district court to determine whether petitioner was entitled to restitution.

assign the improvement patents to petitioner. It stated, 156 F.2d, p. 202, "The owner of all property, by withholding it upon any other terms, may, if he can, force others to buy from him; land is the best example and every parcel of land is a monopoly. But it is precisely in this that a patent is not like other property; the patentee may not use it to force others to buy of him things outside its four corners. If the defendant gets the plaintiff's patents, it will have put itself in that position, in part at any rate, by virtue of the compulsion of its own patents."

It went on to note that since all improvement patents would not expire until after expiration of petitioner's patents on the machine, the arrangement put respondent at a competitive disadvantage. For respondent would lose the negative command over the art which ownership of the improvement patents would have given it. Moreover, respondent, though able to renew the license on conditions stated in the agreement, would be irretrievably tied to it so as to be "forced, either to cease all efforts to patent improvements, or to keep renewing the contract in order to escape the consequences of its own ingenuity." *Id.*, p. 203.

[3] *First*. The first difficulty we have with the position of the circuit court of appeals is that Congress has made all patents assignable and has granted the assignee the same exclusive rights as the patentee. "Every application for patent or patent or any interest therein shall be assignable in law by an instrument in writing, and the applicant or patentee or his assigns or legal representatives may in like manner grant and convey an exclusive right under his application for patent or patent to the whole or any specified part of the United States." R. S. § 4898, 35 U. S. C. Supp. V § 47. The statute does not limit the consideration which may be paid for the assignment to any species or kind of property. At least so far as the terms of the statute are concerned, we see no difference whether the consideration is services (*cf. Standard Parts Co. v. Peck*, 264 U. S. 52, 325 O. G. 701), or cash, or the right to use another patent.

An improvement patent may, like a patent on a step in a process, have great strategic value. For it may, on expiration of the basic patent, be the key to a whole technology. One who holds it may therefore have a considerable competitive advantage. And one who assigns it and thereby loses negative command of the art may by reason of his assignment have suffered a real competitive handicap. For thereafter he will have to pay toll to the assignee, if he practices the invention. But the competitive handicap or disadvantage which he suffers is no greater and no less whether the consideration for the assignment be the right to use the basic patent or something else of value. That is to say, the freedom of one who assigns a patent is restricted to the same degree whether the assignment is made pursuant to a license agreement or otherwise.

[4] If Congress, by whose authority patent rights are created, had allowed patents to be assigned only for a specified consideration, it would be our duty to permit no exceptions. But here Congress has

made no such limitation. A patent is a species of property. It gives the patentee or his assignee the "exclusive right to make, use, and vend the invention or discovery" for a limited period. R. S. § 4884, 35 U. S. C. § 40. That is to say, it carries for the statutory period "a right to be free from competition in the practice of the invention." *Mercoird Corporation v. Mid-Continent Co.*, supra, p. 665. That exclusive right, being the essence of the patent privilege, is, for purposes of the assignment statute, of the same dignity as any other property which may be used to purchase patents.

[5] *Second*. What we have said is not, of course, a complete answer to the position of the circuit court of appeals. For the question remains whether here, as in *Mercoird Corporation v. Mid-Continent Co.*, supra, and its predecessors, the condition in the license agreement violates some other principle of law or public policy. The fact that a patentee has the power to refuse a license does not mean that he has the power to grant a license on such conditions as he may choose. *United States v. Masonite Corp.*, 316 U. S. 265, 277, 540 O. G. 3.

[6] As we have noted, such a power, if conceded, would enable the patentee not only to exploit the invention but to use it to acquire a monopoly not embraced in the patent. Thus, if he could require all licensees to use his unpatented materials with the patent, he would have, or stand in a strategic position to acquire, a monopoly in the unpatented materials themselves. Beyond the "limited monopoly" granted by the patent, the methods by which a patent is exploited are "subject to the general law." *United States v. Masonite Corp.*, supra, p. 277. Protection from competition in the sale of unpatented materials is not granted by either the patent law or the general law. He who uses his patent to obtain protection from competition in the sale of unpatented materials extends by contract his patent monopoly to articles as respects which the law sanctions neither monopolies nor restraints of trade.

[7] It is at precisely this point that our second difficulty with the view of the circuit court of appeals is found. An improvement patent, like the basic patent to which it relates, is a legalized monopoly for a limited period. The law permits both to be bought and sold. One who uses one patent to acquire another is not extending his patent monopoly to articles governed by the general law and as respects which neither monopolies nor restraints of trade are sanctioned. He is indeed using one legalized monopoly to acquire another legalized monopoly.

Mercoird Corporation v. Mid-Continent Co., supra, and its predecessors, by limiting a patentee to the monopoly found within the four corners of the grant, outlawed business practices which the patent law unaided by restrictive agreements did not protect. Take the case of the owner of an unpatented machine who leases it or otherwise licenses its use on condition that all improvements which the lessee or licensee patents should be assigned. He is using his property to acquire a monopoly. But the monop-

oly, being a patent, is a lawful one. The general law would no more make that acquisition of a patent unlawful than it would the assignment of a patent for cash. Yet a patent is a species of property; and if the owner of an unpatented machine could exact that condition, why may not the owner of a patented machine?

[8] It is true that for some purposes the owner of a patent is under disabilities with which owners of other property are not burdened. Thus where the use of unpatented materials is tied to the use of a patent, a court will not lend its aid to enforce the agreement though control of the unpatented article falls short of a prohibited restraint of trade or monopoly. *Morton Salt Co. v. Suppiger Co.*, supra. There is a suggestion that the same course should be followed in this case since the tendency of the practice we have here would be in the direction of concentration of economic power that might run counter to the policy of the anti-trust laws. The difficulty is that Congress has not made illegal the acquisition of improvement patents by the owner of a basic patent. The assignment of patents is indeed sanctioned. And as we have said, there is no difference in the policy of the assignment statute whatever consideration may be used to purchase the improvement patents. And apart from violations of the anti-trust laws to which we will shortly advert, the end result is the same whether the owner of a basic patent uses a license to obtain improvement patents or uses the wealth which he accumulates by exploiting his basic patent for that purpose. [9] In sum, a patent license may not be used coercively to exact a condition contrary to public policy. But what falls within the terms of the assignment statute is plainly not per se against the public interest.

[10] It is, of course, true that the monopoly which the licensor obtains when he acquires the improvement patents extends beyond the term of his basic patent. But as we have said, that is not creating by agreement a monopoly which the law otherwise would not sanction. The grant of the improvement patent itself creates the monopoly. On the facts of the present case the effect on the public interest would seem to be the same whether the licensee or the licensor owns the improvement patents.

[11] There is a suggestion that the enforcement of the condition gives the licensee less incentive to make inventions when he is bound to turn over to the licensor the products of his inventive genius. Since the primary aim of the patent laws is to promote the progress of science and the useful arts (*United States v. Masonite Corp.*, supra, p. 278 and cases cited), an arrangement which diminishes the incentive is said to be against the public interest. Whatever force that argument might have in other situations, it is not persuasive here. Respondent pays no additional royalty on any improvement patents which are used. By reason of the agreement

⁵ See *James v. Campbell*, 104 U. S. 356, 358, 21 O. G. 337; *Hollister v. Benedict Mfg. Co.*, 113 U. S. 59, 67; *Cramp & Sons Co. v. International Curtis Co.*, 246 U. S. 28, 39-40, 249 O. G. 739; *United States v. Dubilier Condenser Corp.*, 289 U. S. 178, 187, 430 O. G. 4.

any improvement patent can be put to immediate use and exploited for the account of the licensee. And that benefit continues so long as the agreement is renewed. The agreement thus serves a function of supplying a market for the improvement patents. Whether that opportunity to exploit the improvement patents would be increased but for the agreement depends on vicissitudes of business too conjectural on this record to appraise.

[12] *Third*. We are quite aware of the possibilities of abuse in the practice of licensing a patent on condition that the licensee assign all improvement patents to the licensor. Conceivably the device could be employed with the purpose or effect of violating the anti-trust laws. He who acquires two patents acquires a double monopoly. As patents are added to patents a whole industry may be regimented. The owner of a basic patent might thus perpetuate his control over an industry long after the basic patent expired. Competitors might be eliminated and an industrial monopoly perfected and maintained.⁴ Through the use of patent pools or multiple licensing agreements the fruits of invention of an entire industry might be systematically funneled into the hands of the original patentee. See *United Shoe Machinery Co. v. La Chapelle*, 212 Mass. 467, 99 N. E. 289.

A patent may be so used as to violate the anti-trust laws. *Standard Sanitary Mfg. Co. v. United States*, 228 U. S. 20, 184 O. G. 1074; *United Shoe Machinery Corp. v. United States*, 258 U. S. 451; *Ethyl Gasoline Corp. v. United States*, 309 U. S. 436, 515 O. G. 827; *United States v. Masonite Corp.*, supra. Such violations may arise through conditions in the license whereby the licensor seeks to control the conduct of the licensee by the fixing of prices (*Ethyl Gasoline Corp. v. United States*, supra; *United States v. Masonite*, supra) or by other restrictive practices. *United Shoe Machinery Corp. v. United States*, supra. Moreover, in the Clayton Act, 38 Stat. 730, 731, 15 U. S. C. § 14, Congress made it unlawful to condition the sale or lease of one article on an agreement not to use or buy a competitor's article (whether either or both are patented), where the effect is "to substantially lessen competition or tend to create a monopoly." See *International Business Machines Corp. v. United States*, 298 U. S. 131. [13] Congress, however, has made no specific prohibition against conditioning a patent license on the assignment by the licensee of improvement patents. But that does not mean that the practice we have here has immunity under the anti-trust laws. Indeed, the recent case of *Hartford-Empire Co. v. United States*, 323 U. S. 386, 324 U. S. 570, 577 O. G. 665, dramatically illustrates how the use of a condition or covenant in a patent license that the licensee will assign improvement patents may give rise to violations of the anti-trust laws.⁵

⁴ See Patents and Free Enterprise, Monograph No. 31, Investigation of Concentration of Economic Power, Temporary National Economic Committee, 76th Cong., 3d Sess., chs. V and VII; Wood, Patents and Antitrust Law (1941), chs. 3 and 4; Marcus, Patents, Antitrust Law and Antitrust Judgments through Hartford-Empire. (1946) 34 Georgetown L. J. 1.

⁵ See note 45 Col. L. Rev. 601.

[14] The district court found no violation of the anti-trust laws in the present case. The circuit court of appeals did not reach that question. Hence it, as well as any other questions which may have been preserved, are open on our remand of the cause to the circuit court of appeals.

We only hold that the inclusion in the license of the condition requiring the licensee to assign improvement patents is not per se illegal and unenforceable.

REVERSED.

Mr. JUSTICE BLACK, Mr. JUSTICE RUTLEDGE, and Mr. JUSTICE BURTON would affirm the judgment for the reasons set forth in the opinion of the circuit court of appeals.

Mr. Justice MURPHY is of the view that the judgment below should be affirmed. He believes that the Court's decision in this case unduly enlarges the scope of patent monopolies and is inconsistent with the philosophy enunciated in *Mercoind Corporation v. Mid-Continent Co.*, 320 U. S. 661, and similar cases.

NOTICES

Examination

In accordance with the provisions of Rule 17 of the Rules of Practice, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Tuesday, March 10, 1948.

This examination will be given under the direction of the Civil Service Commission, and may be taken in any of the cities of the country in which the Civil Service Commission regularly conducts examinations. Applications to take the examination must be directed to the Commissioner of Patents and filed in the Patent Office not later than February 17, 1948.

Application blanks may be obtained from the Clerk of the Committee on Enrollment, Room 3717, Department of Commerce Building.

THOMAS F. MURPHY,
Chairman, Committee on Enrollment.

December 8, 1947.

Disclaimers

2,271,578.—Homer J. Woolstayer, Erwin A. Campbell, and Cecil Jenkins, Tulsa, Okla. COLLAPSIBLE MAST ERECTION. Patent dated Feb. 3, 1942. Disclaimer filed Dec. 17, 1947, by the assignee, Lee O. Moore Corporation.

Hereby enters this disclaimer to all claims of said patent.

2,346,693.—Joseph Lyman, Huntington, and Elwood Norden, Pelham, N. Y. DIRECTIONAL APPARATUS. Patent dated Apr. 18, 1944. Disclaimer filed Dec. 9, 1947, by the assignee, Sperry Gyroscope Company, Inc.

Hereby enters this disclaimer to claims 3, 4, 6, 7, and 21 of the specification of said patent.

2,403,213.—Gaetano F. D'Alello, Northampton, Mass. SYNTHETIC RESIN BONDED ABRASIVE. Patent dated July 2, 1946. Disclaimer filed Dec. 10, 1947, by the assignee, Pro-phy-lac-tio Brush Company.

Hereby enters this disclaimer to claim 6 of said Letters Patent.

2,409,321.—Ingo L. Stephan, Delanco, N. J. CAVITY TUNING DEVICE. Patent dated Oct. 15, 1946. Disclaimer filed Dec. 10, 1947, by the assignee, Philco Corporation.

Hereby enters this disclaimer to claim 1 of said Letters Patent.

Interference Notice

Products, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Berkeley Wood Products Co., 2238 San Pablo Ave., Berkeley, Calif., for registration of a trade-mark and trade-mark registered June 24, 1941, No. 388,399, to Products, Inc., 612 Denver Theatre Building, Denver, Colo., and the notice of such declaration sent by registered mail to the said Products, Inc. at the said address having been returned by the post office undeliverable, notice is hereby given that unless Products, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 18, 1947.

Cancellation Notices

Herman J. Hirsch, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John D. Hamilton, 617 East 25th St., Tacoma, Wash., to effect the cancellation of trade-mark registration of Herman J. Hirsch, 288 East Water St., Milwaukee, Wis., No. 270,984, dated May 20, 1930, and the notice of such proceeding sent by registered mail to the said Hirsch at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hirsch, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 18, 1947.

Griet & Cia, their assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Julius Guckenheimer, 475 Fifth Ave., New York, N. Y., to effect the cancellation of trade-mark registration of Griet & Cia, calle Girardot 1636, Buenos Aires, Argentina, No. 427,611, dated February 11, 1947, and the Patent Office having been unable to obtain service upon the said Griet & Cia, notice is hereby given that unless the said Griet & Cia, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 19, 1947.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,426,756. BOTTLE CARRIER. Patented Sept. 2, 1947. This carrier for carrying two rows of beverage bottles by their necks is made of a single sheet of stamped metal and provided with a handle. Two rows of three neck-engaging apertures are spaced in the carrier to fit over bottles while still standing in the shell (holding twenty-four) in which they are usually delivered to retail establishments. Adjacent the entrance to each aperture are up-struck integrally formed cam guide members, slightly resilient, which engage the head of the bottle and tend to force each bottle into the aperture when the carrier is lifted. A wider aperture may interconnect two opposite neck-engaging apertures to facilitate placement and removal of bottles. The carrier is tilted to engage three bottles on one side, then in the opposite direction to engage three on the opposite side. Since the handle rests between the heads of the bottles, four carriers may be applied to a shell and one shell stacked upon another until required for use. (Owner) R. M. Ulrich. Address correspondence to Alois W. Graf, Attorney, 120 South La Salle St., Chicago 3, Ill. Groups 33—73; 40. Reg. No. 9,006.

Pat. 2,333,054. AIR MASK. Patented Oct. 26, 1943. This air mask is particularly useful for factory workers or painters using spraying machines since it leaves the eyes, nose, and mouth exposed yet effectively prevents inhalation of noxious fumes, dust, smoke, etc. A suitable face shield may be incorporated into the mask when it is to be used by welders or burners. The mask of inverted U-shape, with a soft flexible base, fits tightly around the forehead and cheeks. Air tubes (with nozzles) connected to a supply of compressed air are incorporated into the mask and discharge streams of air from above the forehead and from opposite sides of the face substantially in layers to form a shield which will prevent fumes, etc., from reaching the face. A plurality of air-driven fans are mounted in open recesses around the outside of the mask to cause radiation of outside streams of air in various directions. (Owner) William D. Sullivan, 2384 26th St., Astoria 5, Long Island, N. Y. Group 35—42—53—61—69—89. Reg. No. 9,007.

Pat. 2,426,726. LIFE PRESERVING BATHING SUIT. Patented Sept. 2, 1947. A bathing suit, particularly for a child, provided with inflatable containers to keep the wearer afloat. A series of parallel pockets extend around the body and support pouches or containers of rubber or like distensible material which are inflated from a tube at side of suit. The tube is connected to each pouch by means of a water- and air-tight joint. After the containers are inflated and the valve closed, the tube is folded in pocket at front of suit. (Owner) James M. Combs. Address correspondence to William Isler, attorney, 416 Leader Bldg., Cleveland 14, Ohio. Groups 22—44; 23—39; 30—51. Reg. No. 9,008.

Pat. 2,210,160. COMBINED BULLDOZER AND RIPPER. Patented Oct. 22, 1940. A conventional type of bulldozer blade is provided with spaced hinged teeth on one side which project downwardly below the lower edge of the blade. Upon movement of the blade in one direction it will function in the usual manner without interference from the teeth. Upon movement in the opposite direction the teeth will function as a ripper independently of the blade. The teeth are each hinged to individual U-shaped brackets on a horizontal bar secured to the blade. A heel-

like abutment on the back of each tooth holds them in proper operative position against the blade. The teeth may be pivoted upwardly and held against the top of the blade by individual hinged U-shaped straps when not in use; or they may remain projecting downwardly and simply pivot and trail the blade. (Owner) Loyd O. White, Box 386, Thousand Oaks, Calif. Group 35—31—42. Reg. No. 9,009.

Pat. 2,414,321. BATH AND MASSAGE BRUSH. Patented Jan. 14, 1947. A brush which, with handle attached, may be used to conveniently wash or massage one's own back or other parts of the body. A flexible rubber brush head, having a multiplicity of integral massaging knobs on its face, is connected for universal movement to the end of a curved stem of a handle so that in use the head will follow the contour of the body. When desired, the head may be readily detached from the handle and used alone. A cloth for washing or powdering the body may be removably attached to the head. The back of the brush head converges to form a central conical boss. A spherical socket is formed in the boss for the reception of a ball on one end of the handle. (Owner) Wilbur Miller, 42 North Marion Ave., Pasadena 4, Calif. Groups 30—51; 39—22. Reg. No. 9,010.

Pat. 2,428,651. ADJUSTABLE MOUNTING FOR STEERABLE WHEEL SPINDLES. Patented Oct. 7, 1947. Vehicle wheel spindle which has a C-shaped yoke for pivotal connection to the end of an axle is easily adjusted to take up wear or play by simply tightening the pivot pin. Tapered bearing cups and bearings having tapered cages are fitted in recesses in the top and bottom of the axle. Each cage has a flange on its top. The tops of the cages project out of the recesses with the flanges respectively engaging the inner surfaces of the arms of the yoke. The pivot pin has a threaded lower end and an enlarged upper end providing a step which bears against the flange on the top bearing. When the pin is tightened the bearing cages are wedgedly forced into the bearing cups in the recesses. (Owner) W. W. Buess, 5321 Ruskin Ave., St. Louis 15, Mo. Group 38—31. Reg. No. 9,011.

Pat. 2,429,362. COMBINED CABINET AND EXTENSIBLE TABLE. Patented Oct. 21, 1947. The lower section is a cabinet, the upper section a table or work bench which may be raised or lowered, and expanded by drop leaves. The cabinet has a large central drawer and smaller side drawers, with several compartments, sliding from either end. The table top is so mounted at the corners on vertical posts (which are slidably received in pockets within end portions of the cabinet) and with cross rods and coil springs underneath that the top may be raised and releasably secured at a convenient height. Panels hinged to the top for vertical swinging fasten into sockets in the corner posts as extra support for the top when in use. A drop leaf hinged at each side of the table top is supported in raised position by brackets hinged to the vertical posts. (Owner) James D. McDowell, 194 Neff St., Humberstone, Ontario, Canada. Group 25—11—14. Reg. No. 9,012.

Pat. 2,427,353. CLAMPING TOOL. Patented Sept. 16, 1947. A tool particularly useful for closing the gap of split piston rings which are to be mounted on a spud and returned on an engine lathe. It is easily adjusted for

different size rings. The body of the tool, which is substantially Y-shape, has the legs of a U-shaped spring wire adjustably and releasably connected to the arms of the Y. A spindle threaded into the bore of the stem of the Y has a handle on its top end and its lower end engaging a bifurcated member which is vertically slidable in an enlarged bore. An arcuate compression member connected to the lower end of the bifurcated member slides into and out of a semi-circular recess formed between the arms of the Y when the handle is turned. Provision is made for locking the spindle to prevent accidental rotation. A piston ring or other circular or elliptical shaped member may be clamped between the compression member and the loop of the wire. (Owner) Adrian Gagesteyn, 15 Poplar St., Jersey City 7, N. J. Group 33—52. Reg. No. 9,013.

Pat. 2,429,138. MUSICAL STRING INSTRUMENT. Patented Oct. 14, 1947. An attachment for a guitar, mandolin, or other key-controlled musical string instrument, designed to substitute keyboard operation for control and plucking of strings by the fingers. The attachment includes a keyboard and a string-plucking device consisting of elastic actuating members which contact the strings at the frets and pluck the strings at the sound box. The keyboard is supported by the player's shoulder and has a chin-controlled lever for adjusting the volume. The keys are operated by the fingers of both hands, producing both melody and accompaniment. (Owner) Robert Ruf, 2864 West 97th Place, Chicago 42, Ill. Group 39—39. Reg. No. 9,014.

Pat. 2,429,450. TORQUE MEASURING SCREW DRIVER. Patented Oct. 21, 1947. The handle and shank of this screwdriver are connected in a manner so that the shank will twist to permit relative turning movement of the shank and handle. Twist of the shank determines the amount of tension to be applied to a screw so that all screws may be tightened alike. A hollow handle surrounds the outer end of the shank. The end of an integral flat rod-like shank extension (which will twist) is welded to the closed outer end of the handle. The other end of the shank is bladed for engaging a screw. The shank protrudes through a pair of heads at the front end of the handle. One head is welded to the end of the handle while the other head is keyed to the shank for turning movement therewith. Graduations on both heads may be read to determine the amount of tension to apply to a screw during a working operation. The graduations are adapted to be read with a proper chart which is furnished with each tool. (Owner) Hugh W. Bunting, P. O. Box 466, Liberal, Kans. Group 33—52. Reg. No. 9,015.

Pat. 2,428,794. FLYING MACHINE. Patented Oct. 14, 1947. Helicopter type of flying machine for one man. It comprises an upright bulbous cabin having a vertical reduced neck portion with a rotor mounted thereon and a transparent dome. A pilot sits above the motor in the bottom of the cabin with the upper portion of his body in the neck portion and his head in the dome above radiating propeller blades which are connected to a ring of the rotor. A gear integral with the ring meshes with a gear on the shaft of the motor to propel the machine. A T-shaped control lever mounted for universal swinging movement inside the front of the cabin is swivelly connected to the inner ends of three horizontal rods which are longitudinally slidable through the side of the cabin. A disc for receiving "wash" from the propeller for guiding the craft is swivelly connected to the outer ends of the rods. The lever may be manipulated to shift the disc about horizontal and vertical axes to cause the ma-

chine to fly in any direction. (Co-owners) Ali J. Fiumedoro and Joseph Sillin. Address correspondence to Ali J. Fiumedoro, c/o Handy Tie Co., 652 E. 6th St., South Boston 27, Mass. Group 37—21. Reg. No. 9,016.

Pat. 2,373,585. BOLT ANCHOR. Patented Apr. 10, 1945. A bolt anchor adapted to be inserted into a wall cavity and expanded to firmly hold a member bolted to a wall. The device comprises an expansible cylindrical housing and a bolt threaded into a longitudinally slidable nut within the housing. The housing is formed of a plurality of fingers which are loosely held together as a unit by a collar around one end. The outer ends of the fingers are bent laterally and inwardly to constitute a seat for a coil spring. The spring normally urges the nut (which has flat inclined surfaces) into wedging engagement with inclined inner walls of the housing to expand the fingers. To contract the fingers, the nut is slid inwardly against the spring. (Owner) Vincent Mancini. Address correspondence to Joseph F. Padlon, attorney, 120 Broadway, New York 5, N. Y. Group 33—91. Reg. No. 9,017.

Pat. 2,427,301. BUCK-RAKE LOADER ATTACHMENT FOR TRACTORS. Patented Sept. 9, 1947. A buck-rake loader attachment for tractors which may be automatically raised or lowered. The apparatus comprises a wheeled carriage with a tower rising therefrom supporting a hydraulically operated lifting jack. A runner is vertically movable on the tower and carries a tilting buck-rake head. The head and runner are connected by a fluid-operated tilting device regulated through valves manually operated by the operator of the tractor. (Owner) M. E. Pulm, % Pulm Welding Service, 2214 Hellings Ave., Richmond, Calif. Group 35—21. Reg. No. 9,018.

Pat. 2,140,224. ROLLER SKATE ATTACHMENT. Patented Dec. 13, 1938. A detachable device for a roller skate to illuminate the floor while dancing or skating in exhibitions. A U-shaped stirrup with spring clips is attached to underside of foot plate of skate midway between front and rear rollers and supports a flashlight arrangement to throw a light upon the floor. The battery may be replaced without removing attachment from the skate. (Owner) Mikaly Galgocsy, 3197 East 135 St., Cleveland 20, Ohio. Groups 39—49; 40. Reg. No. 9,019.

Pat. 2,260,655. TIME CONTROLLED ANNUNCIATOR. Patented Oct. 28, 1941. An annunciator which facilitates making a plurality of different announcements contained on a record at pre-selected time intervals. It may be continuously operated and repeat the announcements. A carriage carrying a raised pick-up head having a needle is continuously moved inwardly across a record until all announcements have been made by a cam projection on the carriage traveling in a spiral cam groove in a continuously rotating cylinder driven by the hour hand shaft of a clock. When the cam reaches the inner end of the groove, it enters a straight return groove in the cylinder to permit a spring (tensioned by inward movement of the carriage) to rapidly return the carriage to its starting position. The cylinder projects into an opening in the carriage head to permit the carriage to slide freely along the rotating cylinder. The minute hand shaft of the clock rotates a switch arm which periodically contacts and rides over spaced electrical contacts on a disc to energize and de-energize a motor and a solenoid. The motor controls rotation of the turntable, and the solenoid controls lowering and raising the pick-up head onto and off the record. (Owner) F. A. Barr, 134—39 225th St., Laurelton 13, Long Island, N. Y. Group 36—19—61. Reg. No. 9,020.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 13, 1948

[Vol. 606. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 487,303. STANLEY V. BOLAND, doing business as Boland Manufacturing Company, Chicago, Ill. Filed Aug. 20, 1945.

Crystalite

FOR THE FOLLOWING GOODS MADE OF PLASTIC FILM: BAGS FOR STORING FOOD IN REFRIGERATORS, BREAD BAGS, BAGS FOR THE JACKETS OF MEN'S SUITS, GARMENT BAGS, DRESS BAGS, SUIT BAGS, BLANKET BAGS, LINEN BAGS, AND PILLOW BAGS.

Claims use since Apr. 6, 1945.

Ser. No. 493,302. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed Dec. 14, 1945.

TEMPREG

FOR GENERAL SHIPPING BOXES AND TUBING FOR RECEIVING PHYSICAL ITEMS COMPRISING A RESIN IMPREGNATED PAPER AS A SINGLE PLY, OR AS A LAMINATED ASSEMBLY COMPRISING AT LEAST ONE PLY OF IMPREGNATED PAPER WHEREIN THE OTHER PLIES COMPRISE IMPREGNATED PAPER, CELLULOSE ACETATE, OR "HONEYCOMB" CONSTRUCTION OF RESIN IMPREGNATED PAPER OR FABRIC.

Claims use since Nov. 20, 1945.

Ser. No. 499,003. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Mar. 26, 1946.

RED CAP

Applicant disclaims the exclusive right to the use of a cap colored red.
FOR INSULATED PICNIC JUGS AND INSULATED PICNIC BOXES.

Claims use since November 1939.

606 O. G.—14

Ser. No. 507,451. YORKVILLE PAPER CO. INC., New York, N. Y. Filed Aug. 14, 1946.

ZER -  - BOX

No claim is made to the word "Box" apart from the mark as shown.

FOR CARTONS MADE FROM PAPER OR CARDBOARD FOR PACKING COMESTIBLES.

Claims use since June 1, 1945.

Ser. No. 511,434. CLARENCE POOL, doing business as Hydropack, Los Angeles, Calif. Filed Aug. 19, 1946.

CALI-WARE

The word "Ware" is disclaimed apart from the mark as a whole.

FOR DINNER AND KITCHEN WARE—TO WIT, PLATES, CUPS, SAUCERS, SOUP AND GRAVY BOWLS, MEAT PLATTERS, VEGETABLE SERVICE DISHES, PITCHERS, DRINKING VESSELS, ALL FORMED AS MOULDED PLASTIC ARTICLES.

Claims use since Nov. 1, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 493,605. KLENZADE PRODUCTS, INCORPORATED, Beloit, Wis. Filed Dec. 20, 1945.

FLASH KLEEN

The word "Kleen" is disclaimed apart from the mark.
FOR ALKALI COMPOUND FOR CLEANING FLASH-TYPE PASTEURIZERS AND OTHER DAIRY APPARATUS AND MACHINERY, AND ALSO FOR HEAVY CLEANING IN INDUSTRIAL FOOD PLANTS.

Claims use since Jan. 1, 1944.

Ser. No. 493,606. KLENZADE PRODUCTS, INCORPORATED, Beloit, Wis. Filed Dec. 20, 1945.

FLASH KLENZ

The word "Klenz" is disclaimed apart from the mark. FOR DETERGENT PREPARATION FOR CLEANING FLASH-TYPE PASTEURIZERS, PANS, HOT WELLS AND OTHER APPARATUS AND MACHINERY USED IN THE MILK INDUSTRY, ESPECIALLY EFFECTIVE FOR THE REMOVAL OF MILKSTONE, BEERSTONE AND SIMILAR MATTERS.

Claims use since Jan. 1, 1944.

Ser. No. 501,747. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed May 9, 1946.

Linde

FOR ABRASIVE POWDERS FOR LAPPING, FINISHING, AND POLISHING INDUSTRIAL AND DECORATIVE MATERIALS AND ARTICLES, SUCH AS METALS, KNIVES, GLASS, GEMSTONES, AND METALLOGRAPHIC SPECIMENS.

Claims use since June 1944.

Ser. No. 504,222. TREESDALE LABORATORIES, INC., Pittsburgh, Pa. Filed June 19, 1946.

BUBBLE BRITE

Applicant disclaims the word "Brite" apart from the mark as shown.

FOR LIQUID DETERGENT COMPOSITION FOR RUGS, CARPETS, AND UPHOLSTERY.

Claims use since Apr. 12, 1946.

Ser. No. 504,223. TREESDALE LABORATORIES, INC., Pittsburgh, Pa. Filed June 19, 1946.

BUBBLE KLEEN

Applicant disclaims the word "Kleen" apart from the mark as shown.

FOR LIQUID DETERGENT AND GENERAL CLEANING COMPOSITIONS.

Claims use since Apr. 12, 1946.

Ser. No. 506,153. AVON PRODUCTS, INC., New York, N. Y. Filed July 24, 1946.

A MAN'S WORLD

FOR SHAVING CREAM, SHAVING SOAP IN STICK FORM, AND SHAVING SOAP.

Claims use since Oct. 25, 1945.

Ser. No. 509,825. CLING-SURFACE COMPANY, Buffalo, N. Y. Filed Sept. 27, 1946.

Cling-Surface
"50"

The representation of the belt and pulleys is disclaimed apart from the mark.

FOR PREPARATION USED AS A PRESERVATIVE AND FILLER FOR TRANSMISSION BELTS AND ROPES.

Claims use since February 1896 on "Cling-Surface"; and since Aug. 15, 1946, on the mark as a whole.

Ser. No. 511,182. EDWARD C. QUELLETTE, Houston, Tex. Filed Oct. 19, 1946.

RAIZOIL

FOR GRANULAR CLAY PREPARATION FOR ABSORBING GREASE AND OIL ON FLOORS.

Claims use since Apr. 22, 1946.

Ser. No. 511,772. TYKOR PRODUCTS, INC., New York, N. Y. Filed Oct. 30, 1946.



FOR CLEANING, WASHING, DETERGENT AND GREASE SOLVENT COMPOUNDS IN SOLID, POWDERED AND LIQUID FORM FOR CLEANING PAINTED SURFACES, TILE, CANS AND METALLIC CONTAINERS, AND VARIOUS MACHINES AND APPLIANCES, AND SOAP FOR HUMAN CLEANSING.

Claims use since Apr. 17, 1946.

Ser. No. 511,945. HENRY PURSER HODGES, Chicago, Ill. Filed Nov. 2, 1946.

OXO

FOR ABRASIVE HAND SOAP.
Claims use since Oct. 22, 1946.

Ser. No. 513,050. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Nov. 22, 1946.

Bright Sail

No claim is made to the exclusive use of the word "Bright" apart from the mark shown.

FOR SOAP POWDER, SOAP GRAINS, SOAP FLAKES, HAND SOAP, AND HOUSEHOLD CLEANSER.

Claims use since Jan. 4, 1945, on soap powder and soap grains; since October 1945 on soap flakes; since Feb. 16, 1946, on hand soap; and since Sept. 18, 1946, on household cleanser.

Ser. No. 518,479. NORTH PRODUCTS CORP., Chicago, Ill. Filed Mar. 4, 1947.



Applicant disclaims the words "Painters and Mechanics Hand Cleaner and Shampoo" except in the association shown.

FOR HAND CLEANER PREPARATION WHICH MAY ALSO BE USED AS A SHAMPOO.

Claims use since May 12, 1946.

Ser. No. 521,435. CHROM GLO COMPANY, Toledo, Ohio. Filed Apr. 28, 1947.

Chrom Glo

The word "Chrom" is disclaimed apart from the mark as shown.

FOR METAL POLISH IN LIQUID FORM.
Claims use since May 31, 1938.

Ser. No. 521,508. DU-EV PRODUCTS CO. INC., Brooklyn, N. Y. Filed Apr. 29, 1947.

DU-EV

FOR LIQUID HAND SOAP, A FLOOR CLEANING COMPOUND, SOAP CLEANING COMPOUNDS, AND DEGREASING COMPOUNDS.

Claims use since November 1937.

Ser. No. 523,238. BROCK CHEMICAL CO., INC., North Abington, Mass. Filed May 29, 1947.

NYCO

FOR TEXTILE COVERS FOR POLISHING, BUFFING, AND FINISHING ROLLS WHEN IN OPERATIVE USE.
Claims use since Mar. 5, 1947.

Ser. No. 524,477. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 19, 1947. Under 10-year proviso.

BLUE RIBBON

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since Jan. 13, 1890.

Ser. No. 524,621. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 21, 1947. Under 10-year proviso.

POLO

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since Mar. 13, 1889.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 493,053. DOLLAR & PATTON, Gloversville, N. Y. Filed Dec. 11, 1945.



FOR ANTISEPTIC OINTMENT PREPARATION FOR THE TREATMENT OF CUTS AND SKIN IRRITATIONS. Claims use since 1890.

Ser. No. 502,216. HOWARD INCHES PRODUCTS, Chalfont, Pa. Filed May 16, 1946.

NITE CAPS

Applicant disclaims the word "Nite" apart from the mark shown.
FOR TOILET SKIN SALVE FOR THE FACE AND HANDS.
Claims use since Apr. 10, 1940.

Ser. No. 503,722. HILDA L. FRIEND, doing business as Hairmetique Distributors, New York, N. Y. Filed June 12, 1948.



No claim is made to the words "The Cosmetique for the Hair" apart from the mark.
FOR HAIR POMADES.
Claims use since Mar. 30, 1946.

Ser. No. 507,023. PRESERVATIVE PRODUCTS COMPANY, New York, N. Y. Filed Aug. 7, 1946.

ESCO

FOR CHEMICALLY ALTERED LINSEED OIL AND RESINOUS DRYERS THEREFOR IN LIQUID FORM AND ADAPTED FOR GENERAL USE IN THE INDUSTRIAL ARTS.

Claims use since during the last half of the year 1907.

Ser. No. 507,878. BAHR'S, INC., doing business as Creme De Mist Laboratories, Sioux Falls, S. Dak. Filed Aug. 23, 1946.

CREME DE MIST

The word "Creme" is disclaimed apart from the mark as shown.

FOR SHAMPOOS, PERMANENT WAVING SOLUTIONS, AND HAIR CREME.

Claims use since Feb. 1, 1943.

Ser. No. 507,886. ELMER JOHN CHAPUT, doing business as The Johns Products Co., Detroit, Mich. Filed Aug. 23, 1946.

NU-RO-SAL

The term "Sal" is disclaimed apart from the mark shown.

FOR PREPARATION FOR THE RELIEF OF PAIN.

Claims use since June 12, 1946.

Ser. No. 508,361. HARRY ADAMS, doing business as Harlo Distributor, Watertown, N. Y. Filed Aug. 31, 1946.

CORDELIA

FOR COSMETICS—NAMELY, LUBRICATING CREAM, HAND CREAM, AND FACE CREAM.

Claims use since Mar. 20, 1946.

Ser. No. 510,218. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Oct. 3, 1946.

VanWax

Applicant disclaims "Wax" apart from the mark.
FOR WAX EMULSION FOR COATING RUBBER PRODUCTS.

Claims use since Feb. 22, 1946.

Ser. No. 510,465. ABRIL CORPORATION (GT. BRITAIN) LIMITED, London, England. Filed Oct. 9, 1946.

ABRIL

FOR WAXES FOR USE IN THE MANUFACTURE OF POLISHES, LEATHER FINISHES, COSMETICS, CARBON PAPERS, PRINTING INKS AND PAPER COATINGS; AND EMULSIFIERS FOR USE IN THE BAKING TRADE AND IN THE MANUFACTURE OF COSMETICS AND TOILET PREPARATIONS, POLISHES, SOAPS AND DETERGENTS, PAINTS AND PAPER COATINGS.

Claims use since Dec. 1, 1945, on emulsifiers; and since Jan. 1, 1945, on remaining goods.

Ser. No. 510,938. COUNT DORELIS, LTD., New York, N. Y. Filed Oct. 16, 1946.



FOR PERFUMES, TOILET WATERS, COLD CREAMS, DEODORANTS, FACE POWDERS, ROUGES, LIP STICKS, NAIL POLISH, LEG LOTIONS, BATH SALTS, HAIR TONICS, POMADES, HAIR OILS, AND SHAMPOOS.

Claims use since Aug. 15, 1946.

Ser. No. 513,656. THE DECTO PRODUCTS COMPANY, Salem, Mass. Filed Dec. 4, 1946.

DUX FLOATER

FOR GREASE COMPOUND TO PROVIDE A WATER-PROOF COVER FOR DRY FISHING FLIES.

Claims use since Jan. 2, 1939.

Ser. No. 515,706. Etablissements RIGAUD, INC., New York, N. Y. Filed Jan. 14, 1947.

L'air de France

The words "de France" are disclaimed apart from the mark.

FOR PERFUMES AND TOILET WATERS.

Claims use since Jan. 10, 1947.

Ser. No. 517,513. PARFUMS CHINON, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Montrouge, France. Filed Feb. 14, 1947.

COBALT

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, FACE CREAMS, LOTIONS FOR THE SKIN, FACE, HANDS, AND HAIR, BATH OILS, EAUX DE COLOGNE, TALC, AND FACE POWDERS.

Claims use since June 22, 1944.

Ser. No. 518,915. OLIVE SMITH, Chicago, Ill., assignor to Consolidated Cosmetics, Chicago, Ill., a partnership. Filed Mar. 12, 1947.

TRAVELER

FOR LIPSTICK, FACE POWDER, HAND LOTION, AND PERFUME.

Claims use since Mar. 3, 1947.

Ser. No. 519,255. VICTOR BROG, doing business as Gintone Laboratories, Memphis, Tenn. Filed Mar. 19, 1947.



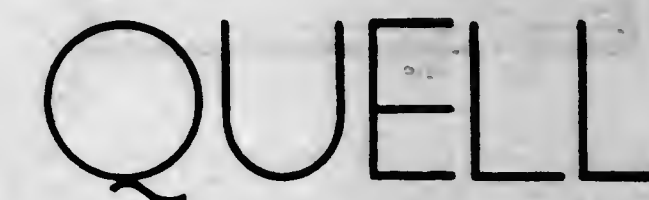
FOR HAIR TONIC AND A FACE CREAM.
Claims use since Oct. 10, 1922.

Ser. No. 519,276. MAURICE LAVRIL, Saint-Aquilin-de-Pacy S/Eure, Eure, France. Filed Mar. 19, 1947.

LA VRIL

FOR TOILET CREAMS FOR THE SKIN AND FACE.
Claims use since Oct. 6, 1945.

Ser. No. 519,590. THE MENNEN COMPANY, Newark, N. J. Filed Mar. 26, 1947.



FOR DEODORANTS FOR APPLICATION TO THE BODY TO COUNTERACT BODY ODORS.

Claims use since Mar. 4, 1947.

Ser. No. 522,672. THE RAY EWING COMPANY, Pasadena, Calif. Filed May 19, 1947.



Registration of the name "Ray Ewing" is not claimed apart from the rest of the mark.

FOR VITAMIN CONCENTRATE FOR USE AS A SUPPLEMENT IN POULTRY AND TURKEY FEEDS.

Claims use since Dec. 1, 1946.

Ser. No. 522,982. R. T. VANDERBILT CO. INC., New York, N. Y. Filed May 24, 1947.

CONTINENTAL

FOR CLAY CARRIER OR DILUENT FOR INSECTICIDES AND FUNGICIDES.
Claims use since Mar. 25, 1947.

Ser. No. 523,977. R. J. MORAN CO., Boston, Mass. Filed June 11, 1947.

KALCYTAL

FOR DIURETIC MEDICINE IN CAPSULE FORM.
Claims use since June 15, 1935.

CLASS 10 FERTILIZERS

Ser. No. 519,615. NACO FERTILIZER COMPANY, New York, N. Y. Filed Mar. 26, 1947.



No claim is made to the words "Genuine Peruvian Guano" apart from the mark.
FOR FERTILIZER.
Claims use since Oct. 1, 1923.

Ser. No. 520,781. NACO FERTILIZER COMPANY, New York, N. Y. Filed Apr. 4, 1947.



No claim is made to the words "Plant Food" nor to the representation of a bag of fertilizer apart from the mark.
FOR FERTILIZER.
Claims use since Oct. 1, 1923.

CLASS 11 INKS AND INKING MATERIALS

Ser. No. 518,660. COPY-PLUS, INC., Milwaukee, Wis. Filed Mar. 7, 1947.



FOR HECTOGRAPH TRANSFER MOISTENING FLUID, FOR USE IN DUPLICATING MACHINES.
Claims use since Jan. 22, 1947.

CLASS 12 CONSTRUCTION MATERIALS

Ser. No. 473,353. VITA-VAR CORPORATION, Newark, N. J. Filed Aug. 16, 1944.



FOR WATERPROOFING COMPOUND FOR WOOD, BRICK, CONCRETE AND LIKE BUILDING MATERIALS; THE SAID COMPOUND IS APPLIED TO SURFACES BY A BRUSH, TROWEL, OR SPRAY, AND IS ALSO MIXED IN CONCRETE BUILDING MATERIALS.
Claims use since March 1932.

Ser. No. 490,100. THE CELOTEX CORPORATION, Chicago, Ill. Filed Oct. 18, 1945.

ACOUSTEEL

FOR SHEET METAL BUILDING PANELS, PERFORATED AND IMPERFORATE FOR USE IN CONNECTION WITH ACOUSTICAL CORRECTION, HEATING AND/OR VENTILATING INSTALLATIONS, AND FOR OTHER PURPOSES.
Claims use since Feb. 23, 1940.

Ser. No. 508,071. JAMES C. SCURLOCK, Hawthorne, Calif. Filed Aug. 26, 1946.

ALL-STRESST

FOR LIGHT-WEIGHT CONSTRUCTION PANEL CONSISTING OF AN EMBOSSED METAL SHEET USED ALONE OR WITH A REINFORCING SHEET THAT IS EITHER ANOTHER SIMILARLY EMBOSSED SHEET OR A FLAT SURFACE SHEET AND USED AS A LOAD-BEARING AND/OR ORNAMENTAL ELEMENT IN WALLS OF VARIOUS CLASSES OF STRUCTURES.
Claims use since July 18, 1946.

Ser. No. 515,275. PRESERVATIVE PRODUCTS COMPANY, New York, N. Y. Filed Jan. 4, 1947.

ESCO

FOR LIQUID COMPOSITIONS FOR TREATING CEMENT SURFACES TO FILL THE INTERSTICES THEREOF AND RESIST THE DUSTING AWAY OR WEAR OF THE SAME.

Claims use since during the last half of the year 1907.

Ser. No. 520,029. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Apr. 2, 1947.

KX-99

FOR FIRE BRICK.
Claims use since Nov. 5, 1934.

Ser. No. 524,072. THE MENGEL COMPANY, Louisville, Ky. Filed June 12, 1947.

ELVORO

FOR WOOD VENEER; PLYWOOD; HOLLOW FLUSH DOORS AND HOLLOW FLUSH PANELS.
Claims use since Feb. 27, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 507,227. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill. Filed Aug. 12, 1946.



The words "Supreme Cook-Ware" are disclaimed apart from the mark shown.

FOR CAST ALUMINUM NON-ELECTRIC COOK-WARE—NAMESLY, KETTLES, TEA KETTLES, PRESERVING KETTLES, TRIPPLICATE KETTLE SETS, COFFEE POTS, ROASTERS, TURKEY ROASTERS, FRENCH ROASTERS, DUTCH OVENS, CASSEROLES, SAUCE PANS, BOILERS, DOUBLE BOILERS, OMELET PANS, SKILLETS, FRY PANS, DOUBLE FRY PANS, FRENCH FRYERS, GRIDDLES, BREAKFAST GRILLS, TEAPOTS, AND STEAK PLATTERS.
Claims use since Jan. 4, 1939.

Ser. No. 514,408. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Filed Dec. 17, 1946.

Sunkist

FOR METAL STRAINERS INTENDED PRIMARILY FOR FRUIT JUICES AND THE LIKE.
Claims use since Oct. 4, 1946.

Ser. No. 516,515. VICTAULIC COMPANY OF AMERICA, New York, N. Y. Filed Jan. 28, 1947.

CAPCO

FOR PIPE COUPLINGS FOR BRITTLE PIPES, SUCH AS ASBESTOS CEMENT PIPE USED FOR THE TRANSPORTATION OF WATER, SALT WATER, SEWAGE, SULPHITE LIQUOR AND CORROSIVE LIQUIDS, CONSISTING OF A MULTIPART HOUSING OF MALLEABLE IRON OR OTHER METAL, FASTENING MEANS AND A GASKET COMPOSED OF RUBBER, SYNTHETIC RUBBER, PLASTIC MATERIAL, OR A COMBINATION THEREOF.

Claims use since Oct. 24, 1946.

Ser. No. 525,754. ADLER BROS. LACE CORP., New York, N. Y. Filed July 3, 1947.



FOR SHOE HEEL BRACES, SHOE NAILS, SHOE TOE PLATES, SHOE HEEL PLATES, AND SHOE DANCE TAPS.

Claims use since 1930.

CLASS 15 OILS AND GREASES

Ser. No. 510,210. STANDARD ALCOHOL COMPANY, New York, N. Y. Filed Oct. 3, 1946.



FOR PETROLEUM BASE PREPARATION USED IN THE REFINEMENT OF VARIOUS OILS.
Claims use since Dec. 22, 1919.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 483,152. H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed May 9, 1945.



FOR PAINTS—NAMESLY, ANTI-FOULING PAINTS AND PIGMENTS FOR ANTI-FOULING PAINTS, AND ASPHALTIC AND BITUMINOUS PAINTS.
Claims use since on or about July 17, 1919.

Ser. No. 483,259. COMMONWEALTH VARNISH CO., Chicago, Ill. Filed May 12, 1945.



FOR READY-MIXED PAINTS AND VARNISHES.
Claims use since Jan. 23, 1945.

Ser. No. 493,836. SICCA SOYA PAINT CO., INC., Peoria, Ill. Filed Dec. 22, 1945.

STA-PAR

FOR PAINTS AND PAINT ENAMELS SOLD IN
READY-MIXED FORM.
Claims use since Jan. 1, 1942.

Ser. No. 500,121. THE PATTERSON-SARGENT COMPANY,
Cleveland, Ohio. Filed Apr. 12, 1946.

PARADEX

FOR FLOOR ENAMELS CONTAINING OIL, VAR-
NISH, AND COLORING MATERIAL.
Claims use since Mar. 1, 1946.

Ser. No. 508,350. WORTH LACQUER AND CHEMICAL COM-
PANY, Long Island City, N. Y., assignor to Worth Lac-
quer and Chemical Company, Inc., New York, N. Y.
Filed Aug. 30, 1946.

FLEX-O-PLASTIC

The word "Plastic" is disclaimed as apart from the
mark as shown.
FOR RUBBERIZED LIQUID LACQUER.
Claims use since Oct. 20, 1944.

Ser. No. 509,798. TIDY HOUSE PRODUCTS COMPANY, Des
Moines, Iowa. Filed Sept. 26, 1946.



FOR SCRATCH AND MAR REMOVER FOR FURNI-
TURE, NEW OR OLD.
Claims use since June 28, 1946.

Ser. No. 509,978. EARLY AMERICAN WAX COMPANY, New
Orleans, La. Filed Sept. 30, 1946.

EARLY AMERICAN

No claim is made to the exclusive use of the geographical
term "American," apart from the word "American" as
shown.
FOR FURNITURE WAX AND POLISH.
Claims use since January 1946.

Ser. No. 525,386. OAKES & COMPANY, Chicago, Ill. Filed
July 1, 1947.



FOR READY-MIXED PAINTS, COLD WATER
PAINTS, FLOOR SEALERS, FURNITURE POLISH,
KALSOMINE, LINSEED OIL, PAINT AND VARNISH
REMOVERS, TURPENTINE, VARNISHES, FLOOR
WAX, AND FURNITURE WAX.
Claims use since May 22, 1947.

Ser. No. 525,592. THE J. E. HARRIS COMPANY, Wooster,
Ohio. Filed July 2, 1947.

SAVEX

FOR READY MIXED PAINTS, PAINT ENAMELS,
VARNISHES, AND LACQUERS.
Claims use since October 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 521,277. R. C. OWEN COMPANY, Gallatin, Tenn.
Filed Apr. 24, 1947.

**BOOSTER
NATURAL
TWIST**

The words "Natural Twist" are disclaimed apart from
the mark.
FOR CHEWING TOBACCO.
Claims use since 1914.

Ser. No. 521,283. R. C. OWEN COMPANY, Gallatin, Tenn.
Filed Apr. 24, 1947.

**RAILROAD
TWIST**

The word "Twist" is hereby disclaimed apart from the
mark as shown.
FOR NATURAL-LEAF TWIST TOBACCO.
Claims use since July 11, 1905.

Ser. No. 525,250. IRVIN A. ROSE, doing business as Cleve-
land Tobacco Company, Cleveland, Ohio. Filed June
30, 1947.



AROMATIC BLEND No. 77

No claim is made to the words "Aromatic Blend" apart
from the mark as shown.
FOR SMOKING TOBACCO.
Claims use since 1932.

Ser. No. 525,344. P. LORILLARD COMPANY, New York,
N. Y. Filed July 1, 1947.

**HURLEY
BURLEY**

The word "Burley" is disclaimed apart from the mark.
FOR PLUG CUT CHEWING TOBACCO.
Claims use since December 1896.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND
SUPPLIES

Ser. No. 485,226. THE LINDE AIR PRODUCTS COMPANY,
New York, N. Y. Filed June 29, 1945.

Linde

FOR ELECTRIC WELDING TORCHES AND PARTS
THEREOF.
Claims use since April 1943.

Ser. No. 491,303. AIRCRAFT AND MECHANICAL PRODUC-
TIONS LIMITED, High Wycombe, Great Britain, now by
change of name Airmec Limited. Filed Nov. 9, 1945.

AIRMEC

FOR RADIO RECEIVING SETS, RADIO TRANSMIT-
TING SETS, COMBINED RADIO RECEIVING SETS
WITH PHONOGRAPHS, ELECTRIC HIGH-FREQUENCY
DIELECTRIC HEATING UNITS AND ELECTRIC HIGH-
FREQUENCY MAGNETIC INDUCTION HEATING
UNITS FOR INDUSTRIAL USES, ELECTRIC RECORD
CHANGING EQUIPMENT, AND ELECTRIC FURNACES
CONTROLLED BY HIGH-FREQUENCY ELECTRIC CUR-
RENTS.

Claims use since October 1943.

Ser. No. 492,691. DETROIT HARVESTER COMPANY, Detroit,
Mich. Filed Dec. 5, 1945.



FOR ELECTRICAL SWITCHES FOR CONTROLLING
THE OPERATION OF HYDRO-ELECTRIC REGULA-
TORS INVOLVING IN ONE POSITION ENERGIZATION
OF A SOLENOID CONTROLLING A VALVE ASSOCI-
ATED WITH AN INDIVIDUAL VEHICLE WINDOW OR
VEHICLE SEAT STRUCTURE AND IN ANOTHER PO-
SITION ENERGIZING AN ELECTRIC MOTOR FOR
DRIVING A PUMP OPERATIVELY CONNECTED TO
THE WINDOW OR SEAT STRUCTURE AND CON-
COMITANTLY ENERGIZING THE AFORESAID SOLE-
NOID TO UNSEAT THE ASSOCIATED VALVE AND
UNITARY ELECTRIC SWITCHES AND GATE VALVES
FOR OPERATION OF A VEHICLE TOP ADJUSTING
MECHANISM.

Claims use since 1940.

Ser. No. 520,261. CALIFORNIA TELEPHONE & ELECTRIC COMPANY, Los Angeles, Calif. Filed Apr. 7, 1947.



FOR ELECTRICAL COMMUNICATIONS SYSTEMS AND PARTS THEREOF, SPECIFICALLY: MICROPHONES; TELEPHONES; SOUND RECORDERS; AMPLIFIERS; A TWO-WAY ELECTRICAL INTEROFFICE TELEPHONIC SYSTEM COMPRISED OF SEVERAL DEPARTMENT SPEAKERS AND A CENTRAL CONTROL SPEAKER APPARATUS THAT HAS IN COMBINATION A PROVISION FOR ENTRY OF SHOP PROCESSING RECORDS, BOTH AUDIO-FREQUENCY AND RADIO-FREQUENCY; AND THE PARTS FOR THE GOODS AFORESAID.

Claims use since Jan. 27, 1947.

Ser. No. 521,176. COLMA BUILT RADIO COMPANY, Chicago, Ill. Filed Apr. 23, 1947.



"Built" is disclaimed apart from the mark. FOR ELECTRIC RADIO, PHONOGRAPH AND TELEVISION RECEIVING SETS.

Claims use since Mar. 26, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 467,221. AIRPLANE MANUFACTURING & SUPPLY CORPORATION, North Hollywood, Calif., now by change of name to Pacific Airmotive Corporation. Filed Feb. 7, 1944.



The lining on the drawing does not indicate color. FOR SERVICING AND MAINTENANCE TOOLS AND EQUIPMENT—NAMESLY, OIL SPRAYERS, ENGINE STANDS, LAPPING TOOLS, SANDING ADAPTORS, PROPELLER JACKS, ASSEMBLY POSTS, ENGINE PARTS RACKS, GRINDING AND POLISHING FIXTURES, HEAD STOCKS AND THREAD PROTECTORS.

Claims use since Jan. 20, 1944.

Ser. No. 467,222. AIRPLANE MANUFACTURING & SUPPLY CORPORATION, North Hollywood, Calif., now by change of name to Pacific Airmotive Corporation. Filed Feb. 7, 1944.



The words "Airmotive Products" are disclaimed apart from the mark as shown. The lining on the drawing does not indicate color.

FOR SERVICING AND MAINTENANCE TOOLS AND EQUIPMENT—NAMESLY, OIL SPRAYERS, ENGINE STANDS, LAPPING TOOLS, SANDING ADAPTORS, PROPELLER JACKS, ASSEMBLY POSTS, ENGINE PARTS RACKS, GRINDING AND POLISHING FIXTURES, HEAD STOCKS AND THREAD PROTECTORS.

Claims use since Jan. 20, 1944.

Ser. No. 467,223. AIRPLANE MANUFACTURING & SUPPLY CORPORATION, North Hollywood, Calif., now by change of name to Pacific Airmotive Corporation. Filed Feb. 7, 1944.



The words "Airmotive Products" are disclaimed apart from the mark. The lining on the drawing does not indicate color.

FOR SERVICING AND MAINTENANCE TOOLS AND EQUIPMENT—NAMESLY, OIL SPRAYERS, ENGINE STANDS, LAPPING TOOLS, SANDING ADAPTORS, PROPELLER JACKS, ASSEMBLY POSTS, ENGINE PARTS RACKS, GRINDING AND POLISHING FIXTURES, HEAD STOCKS AND THREAD PROTECTORS.

Claims use since Jan. 20, 1944.

Ser. No. 478,725. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Jan. 17, 1945.

LubroMeter

Exclusive right to the use of the syllables "Meter" is disclaimed apart from the mark shown.

FOR LUBRICANT FEEDER VALVES FOR CENTRALIZED LUBRICATING SYSTEMS AND PARTS THEREOF.

Claims use since Mar. 1, 1939.

Ser. No. 487,368. HY-PRO TOOL COMPANY, New Bedford, Mass. Filed Aug. 21, 1945.

INVIS

FOR TAPS, DIES, SAWS, PUNCHES, MILLING CUTTERS, DRILLS, REAMERS, AND COUNTER SINKS.

Claims use since May 29, 1945.

Ser. No. 489,160. H. C. CLATFELTER AND COMPANY, Ferndale, Mich. Filed Sept. 28, 1945.



The word "Grip" is disclaimed apart from the mark shown.

FOR ADAPTER BUSHINGS FOR SUPPORTING TOOLS IN TOOL HOLDERS.

Claims use since June 13, 1945.

Ser. No. 492,988. MARVIN W. COLEMAN, Detroit, Mich. Filed Dec. 10, 1945.

SEE SAW

FOR FIXTURE FOR HAND OPERATED PORTABLE POWER DRIVEN SAWS WHICH ENABLES THE OPERATOR TO SWING THE SAW IN A PLANE GENERALLY PERPENDICULAR TO THE WORK AND TO MOVE THE SAW BACK AND FORTH ALONG A STRAIGHT LINE RELATIVE TO THE WORK.

Claims use since October 15, 1945.

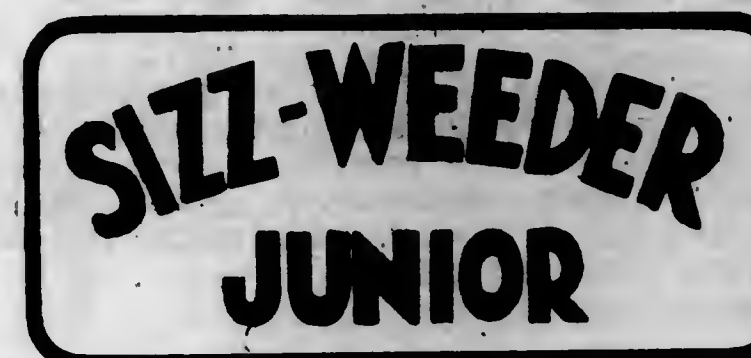
Ser. No. 492,989. MARVIN W. COLEMAN, Detroit, Mich. Filed Dec. 10, 1945.



FOR FIXTURE FOR HAND OPERATED PORTABLE POWER DRIVEN SAWS WHICH ENABLES THE OPERATOR TO SWING THE SAW IN A PLANE GENERALLY PERPENDICULAR TO THE WORK AND TO MOVE THE SAW BACK AND FORTH ALONG A STRAIGHT LINE RELATIVE TO THE WORK.

Claims use since Oct. 15, 1945.

Ser. No. 495,370. FIJELAN RESEARCH AND DEVELOPMENT COMPANY, Washington, D. C., assignor to Flame Cultivation, Incorporated, New York, N. Y., a corporation of Maryland. Filed Jan. 25, 1946.



Applicant disclaims the right to register the words "Weeder" and "Junior" when used independently of the combination shown in the accompanying drawing but claims the use of the words "Weeder" and "Junior" as part of said combination.

FOR FLAME CULTIVATORS—NAMESLY, MACHINES FOR THE CONTROL AND SUPPRESSION OF WEEDS IN THE PRESENCE OF CROPS THROUGH THE USE OF FLAME.

Claims use since Jan. 3, 1946.

Ser. No. 499,344. NORTROP HENDY CO., Hawthorne, Calif. Filed Mar. 30, 1946.

TURBODYNE

FOR GAS TURBINES, AXIAL FLOW COMPRESSORS FOR FLUIDS, ACCESSORIES, AND PARTS THEREOF.

Claims use since Dec. 20, 1945.

Ser. No. 500,350. ACADEMY AWARD PRODUCTS, INC., New York, N. Y. Filed Apr. 17, 1946.

ACADEMY AWARD

FOR CARVING, TABLE, AND POCKET KNIVES, SHEARS, SCISSORS, ALL MADE OF BASE METAL, AND ELECTRIC AND NON-ELECTRIC BENCH GRINDERS.

Claims use since Feb. 6, 1946.

Ser. No. 500,758. THE KORKMASTER COMPANY, Red Bank, N. J. Filed Apr. 23, 1946.

KORKMASTER

FOR CORK-SCREW.

Claims use since Apr. 13, 1946.

Ser. No. 504,999. PENN TOOL CO., INC., Philadelphia, Pa.
Filed July 2, 1946.

PENTCO

FOR HAND TOOLS—NAMES, CHISELS, PLUMBERS' CAULKING TOOLS, HAMMERS, SCREW DRIVERS, AVIATION SNIPS, SHEARS, HEDGE SHEARS, RIVET BUSTERS, BULLPOINTS, STAR DRILLS, WRECKING BARS, CROW BARS, PRY BARS, PUNCHES, SCRAPERS AND TIRE IRONS.
Claims use since 1939.

Ser. No. 509,876. THE RAPIDS-STANDARD COMPANY, INC., Grand Rapids, Mich. Filed Sept. 27, 1946.

DURASTAN

FOR MOLDED PLASTIC WHEELS TO BE USED ON HAND TRUCKS FOR LIFTING AND ELEVATING BULK MATERIALS, DOLLIES PER SE, CRANES, SIGS AND FIXTURES, AND PORTABLE CONVEYOR SUPPORTS.
Claims use since Sept. 3, 1946.

Ser. No. 511,942. HAAG MACHINE COMPANY, Hawthorne, N. J. Filed Nov. 2, 1946.

Spin Master

Applicant disclaims the term "Spin" apart from the mark shown.
FOR METAL SPINNING LATHES AND PARTS THEREOF.
Claims use since Oct. 19, 1946.

Ser. No. 512,186. McDOWELL MANUFACTURING COMPANY, Millvale, Pa. Filed Nov. 7, 1946.



FOR HAND OPERATED PRESSES FOR THE EXTRACTION OF FRUIT AND VEGETABLE JUICES, AND USED AS A SIEVE, COLANDER, AND RICER.
Claims use since 1910.

Ser. No. 515,123. MICROBORN COMPANY, Ferndale, Mich. Filed Dec. 31, 1946.

MICROBORE

FOR METAL CUTTING TOOLS FOR BORING, TURNING, AND FACING OPERATIONS, BORING BARS, AND PARTS THEREOF.
Claims use since Aug. 6, 1946.

Ser. No. 516,592. THE WEBB CORPORATION, Webb City, Mo. Filed Jan. 29, 1947. Under 10-year proviso.

WEBB

FOR PLATE BENDING ROLLS, GEAR REDUCTION UNITS (GEAR TRAINS), SPEED REDUCERS (MECHANISM FOR REDUCING THE SPEED AT WHICH A DRIVEN SHAFT IS OPERATED FROM A DRIVING SHAFT), LOG WASHERS (MACHINES FOR REMOVAL OF SOLUBLE CLAYS, OVER-BURDEN AND SURFACE DIRT FROM THE GENERAL RUN OF MINE ORE), CRUSHING ROLLS (ROCK AND ORE CRUSHERS), MINING MACHINERY (ROCK CRUSHERS, ROLL CRUSHERS, JIGGING EQUIPMENT, SHAFING, PILLOW BLOCKS, BEARINGS, SET COLLARS, COUPLINGS, PULLEYS, SCREENING EQUIPMENT FOR GRADING OF CRUSHED ROCK OR STONE), ORE CONCENTRATORS.
Claims use since 1881.

Ser. No. 518,364. PEARL DUCK, INC., New York, N. Y. Filed Mar. 1, 1947.

SKIPPER

FOR RAZORS, SCISSORS, SHEARS, AND KNIVES OF BASE METAL NOT INCLUDING SURGICAL SCISSORS OR OTHER SURGICAL INSTRUMENTS.
Claims use since Feb. 12, 1947.

Ser. No. 518,485. CLYDE SCHURMAN, doing business as Schurman Machine Works, Woodland, Wash. Filed Mar. 4, 1947.

LOG-BOSS

The word "Log" is disclaimed apart from the mark.
FOR MACHINE MOUNTED ON A FRAME FOR SAWING LOGS AND FOR USE WHERE ANCHORED, FOR DRAGGING INTO ITS PROXIMITY LOGS TO BE SAWED.
Claims use since Dec. 1, 1946.

Ser. No. 520,064. SPACARB, INC., Dover, Del., and New York, N. Y. Filed Apr. 2, 1947.

SPACARB

FOUNTAINETTE

Applicant makes no claim to the word "Fountainette" except in combination with "Spacarb."
FOR MANUALLY OPERATED SODA FOUNTAINS.
Claims use since Feb. 7, 1947.

Ser. No. 524,465. HOLLY MOLDING DEVICES, INC., Chicago, Ill. Filed June 19, 1947.

DUROLINERS

FOR SHEETS OF WOVEN AND PLASTIC MATERIAL AND COMBINATIONS THEREOF, USED AS PATTY FORMING AND EJECTING ELEMENTS IN HAMBURGER PATTY MOLDING MACHINES.
Claims use since Jan. 1, 1937.

Ser. No. 525,950. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed July 3, 1947.



FOR SET SCREW WRENCHES.
Claims use since August 1935.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 503,924. NEW WAY CO., INC., St. Paul, Minn. Filed June 14, 1946.

NEW WAY

FOR STEAM GARMENT FINISHER.
Claims use since September 1945.

Ser. No. 516,645. SOUTHERN MILLS, INCORPORATED, Atlanta, Ga. Filed Jan. 30, 1947.



FOR KNITTED NAPPED LAUNDRY PADDING CUT TO SIZE.
Claims use since Nov. 13, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 498,812. B. & P. SWIFT, LIMITED, Balling and London, England. Filed Mar. 22, 1946.



No claim is made to the name "swift" apart from the mark as shown.

FOR WEIGHING SCALES AND WEIGHING MACHINES.
Claims use since 1935.

Ser. No. 510,027. HAROLD P. RIORDAN, Dallas, Tex. Filed Oct. 1, 1946.



The drawing is lined for the color red. No claim is based upon the use of said color.
FOR WHEEL BALANCER.
Claims use since May 15, 1946.

Ser. No. 515,678. PENBERTHY INJECTOR COMPANY, Detroit, Mich. Filed Jan. 13, 1947. Under 10-year proviso.



FOR LIQUID LEVEL INDICATORS.
Claims use since July 1, 1892.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 525,763. WALTER ARONHEIM, New York, N. Y.
Filed July 3, 1947.

ADORA

FOR WATCHES, WATCH-CASES, AND WATCH-PARTS.
Claims use since May 22, 1947.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 517,883. WALTER ARONHEIM, New York, N. Y.
Filed Feb. 21, 1947.

ADMIRA

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES).
Claims use since Jan. 1, 1947.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 500,465. DUROBUILT BRUSH MFG. Co., New York, N. Y. Filed Apr. 18, 1946.

DUROBUILT BRUSH

The word "Brush" is disclaimed.
FOR SHAVING BRUSHES.
Claims use since Jan. 9, 1946.

Ser. No. 524,708. ITSA MFG. Co., St. Louis, Mo. Filed June 24, 1947.

ITSA

FOR SCRUB BRUSH CLAMP HANDLES.
Claims use since Nov. 12, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 515,166. ELFINWARE, Inc., New York, N. Y.
Filed Jan. 2, 1947.

Elfinware

FOR MINIATURE PORCELAIN BOXES, TRAYS, AND DISHES TO HOLD AUXILIARY ITEMS.
Claims use since May 15, 1945.

Ser. No. 521,996. NILOAK POTTERY & TILE COMPANY, Little Rock, Ark. Filed May 6, 1947.

BOUQUET

FOR VITRIFIED CHINAWARE—NAMELY, DINNERWARE.
Claims use since Mar. 1, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 515,641. TURNER MFG. COMPANY, Chicago, Ill. Filed Jan. 11, 1947.

Fashion Plate

The word "Plate" is disclaimed apart from the mark.
FOR WALL MIRRORS.
Claims use since Dec. 13, 1946.

Ser. No. 515,710. GRENARD MANUFACTURING CORPORATION, Hawthorne, N. J. Filed Jan. 14, 1947.

Grenard

FOR VENETIAN BLINDS.
Claims use since June 1946.

Ser. No. 515,711. GRENARD MANUFACTURING CORPORATION, Hawthorne, N. J. Filed Jan. 14, 1947.

ALUMINARD

FOR VENETIAN BLINDS.
Claims use since June 1946.

Ser. No. 519,852. ELMER H. BRUNMARK, Worcester, Mass. Filed Mar. 31, 1947.



FOR DISPENSING AND DISPLAY CABINETS.
Claims use since Mar. 6, 1947.

CLASS 33

GLASSWARE

Ser. No. 521,459. EARL W. NEWTON, Chicago, Ill. Filed Apr. 28, 1947.

PARTY-CUT-UPS

FOR BEVERAGE GLASSES.
Claims use since Mar. 12, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 521,674. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed May 1, 1947.

MOGUM

FOR MOLD GUM FOR USE IN MAKING VULCANIZED TIRE AND TUBE REPAIRS.
Claims use since Apr. 4, 1947.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 504,025. L. P. BALMFORTH & SON, doing business as The Violin Shop, Leeds, England. Filed June 17, 1946.

SONELLA

FOR RESIN FOR USE ON STRINGED MUSICAL INSTRUMENTS.
Claims use since May 13, 1920.

Ser. No. 507,866. RICHARD BRADLEY, doing business as Richard Bradley and Associates, Chicago, Ill. Filed Aug. 14, 1946.

TOWER

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE.
Claims use since July 26, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 480,389. E. H. RODEN, doing business as Pull-The-String Mailing Wrapper Co., Chicago, Ill. Filed Mar. 1, 1945. Under 10-year proviso.



FOR MAILING WRAPPER.
Claims use since Jan. 1, 1895.

Ser. No. 495,876. FREDART STATIONERY COMPANY, New York, N. Y. Filed February 2, 1946.

FREDART

FOR WRITING PAPER IN BOXES AND OTHERWISE, CARDBOARD, WRAPPING PAPER PRINTED AND UNPRINTED, BLANK PAPER SEALS AND TAGS AND WALLPAPER.
Claims use since 1939.

Ser. No. 501,252. THE HOLMS-WEBWAY Co., St. Cloud, Minn. Filed May 1, 1946.

WEBWAY

FOR PAPER PRODUCTS—NAMELY, ALBUMS, SCRAP BOOKS, PRICE TICKETS HAVING BLANK LINES TO BE FILLED IN, AND SIGN MATERIALS CONSISTING OF GUMMED CUT-OUT LETTERS AND NUMERALS MADE FROM PAPER AND CARDBOARD.
Claims use since Sept. 16, 1939, as to albums and scrap books, and since Dec. 6, 1942, as to price tickets and sign materials.

Ser. No. 517,333. EDWARD E. POOM, JR., doing business as Amherst Blanket Co., Passaic, N. J. Filed Feb. 12, 1947.



The lining in the drawing is for shading only.
FOR DISPOSABLE BEDDING, OF PAPER MADE OF CHEMICALLY LIBERATED FIBERS HIGH IN CELLULOSIC CONTENT—NAMESLY, DISPOSABLE PAPER BED SHEETING, DISPOSABLE PAPER PILLOW CASES, DISPOSABLE PAPER BLANKETS, AND DISPOSABLE PAPER MATTRESS COVERS.
Claims use since Dec. 24, 1946.

Ser. No. 519,350. SKATER MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 20, 1947.

Skater

The mark consists of the word "Skater."
FOR FOUNTAIN PENS.
Claims use since Sept. 11, 1946.

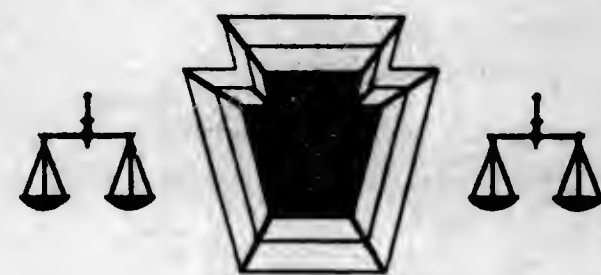
Ser. No. 526,122. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



FOR PAPER TABLETS AND PAPETERIES, I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES.
Claims use since May 10, 1946.

Ser. No. 526,123. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

SQUARE DEAL



FOR PAPER TABLETS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; ENVELOPES, INDEX CARDS OR GUIDES AND SCRAP BOOKS, PHOTOGRAPH OR AUTOGRAPH ALBUMS AND REFILLS THEREFOR.

Claims use since Feb. 21, 1906, as to "Square Deal"; and since Feb. 1, 1933, as to mark shown.

Ser. No. 526,130. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

STATECRAFT

FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.

Claims use since Feb. 15, 1935.

Ser. No. 526,131. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

STUDIO

FOR PAPER TABLETS, AND SCRAP BOOKS, PHOTOGRAPH OR AUTOGRAPH ALBUMS AND REFILLS THEREFOR.

Claims use since May 14, 1941.

Ser. No. 526,132. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

SUCCESS

FOR PAPER TABLETS; ACCOUNT, DATA OR ORDER BOOKS; AND LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.

Claims use since 1899.

Ser. No. 526,138. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

TOWER

FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.

Claims use since 1935.

CLASS 38

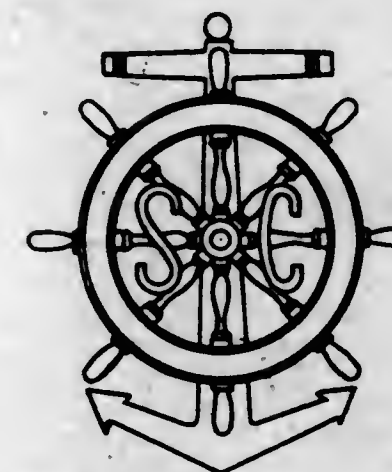
PRINTS AND PUBLICATIONS

Ser. No. 506,066. TENNESSEAN NEWSPAPERS, INC., Nashville, Tenn. Filed July 22, 1946.

Top O' the Mornin'

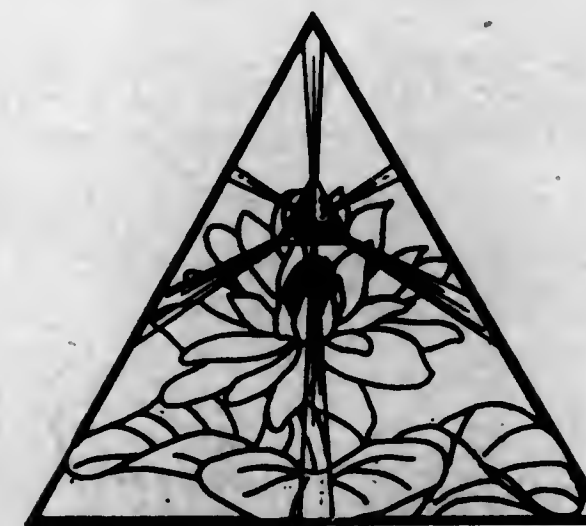
FOR NEWSPAPER FEATURE COLUMN.
Claims use since January 1910.

Ser. No. 516,584. THE SEA CADETS OF AMERICA, Milwaukee, Wis. Filed Jan. 29, 1947.



FOR INSTRUCTION BOOKS OR HANDBOOKS.
Claims use since June 10, 1938.

Ser. No. 518,292. THE GOLDEN LOTUS PRESS, Philadelphia, Pa. Filed February 28, 1947.



FOR MONTHLY PERIODICAL, A MAGAZINE ISSUED MONTHLY DEVOTED LARGELY TO EASTERN PHILOSOPHY AND ALLIED SUBJECTS IN ANCIENT CIVILIZATIONS AND MODERN TIMES.

Claims use since Feb. 24, 1947.

606 O. G.—15

Ser. No. 520,339. KATZ DRUG COMPANY, Kansas City, Mo. Filed Apr. 8, 1947.

MIRACLE

FOR PHOTOGRAPHIC PRINTS.
Claims use since Jan. 20, 1947.

Ser. No. 520,662. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Filed Apr. 14, 1947.



The word "Christmas" is disclaimed apart from the mark as shown.

FOR GREETING CARDS.
Claims use since Feb. 17, 1947.

CLASS 39

CLOTHING

Ser. No. 494,396. FIKANY SHOE COMPANY OF NEW YORK, INC., Rochester, N. Y. Filed Jan. 7, 1946.



ARCHMASTER

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Dec. 20, 1945.

Ser. No. 495,316. MARSHALL CLOTHING MANUFACTURING COMPANY, Butler, Ind. Filed Jan. 24, 1946.



FOR TROUSERS, BREECHES, SLACKS, VESTS, COATS, SHIRTS, AND CAPS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Dec. 28, 1945.

Ser. No. 497,524. IRVING H. BENEDICT, doing business as Novo Process Co., New York, N. Y. Filed Mar. 2, 1946.



No claim is made to the words "Baby Pants" and to the representation of the goods apart from the mark shown. The drawing is lined to represent blue and orange colors.

FOR WATERPROOF BABY PANTS.
Claims use since Aug. 7, 1942.

Ser. No. 499,283. ROBBINS & NAUMBURG Co., New York, N. Y. Filed Mar. 29, 1946.

TSOX

The word "Sox" is disclaimed apart from the mark.
FOR MEN'S HOSE.
Claims use since Mar. 1, 1946.

Ser. No. 501,805. ABRAM'S HARDWEAR SHOES, Philadelphia, Pa. Filed May 10, 1946.



FOR LADIES' AND GIRLS' SHOES MADE OF LEATHER AND FABRIC.
Claims use since Mar. 1, 1946.

Ser. No. 501,806. ABRAM'S HARDWEAR SHOES, Philadelphia, Pa. Filed May 10, 1946.



FOR MEN'S AND BOYS' SHOES MADE OF LEATHER AND FABRIC.
Claims use since Mar. 1, 1946.

Ser. No. 501,923. OKLAHOMA CLOTHING MANUFACTURERS, Oklahoma City, Okla. Filed May 11, 1946.



FOR BOYS' CLOTHING CONSISTING OF JEANS, OVERALLS, PANTS, DUNGAREES, COWBOY PANTS, AND TROUSERS.

Claims use since December 1945.

Ser. No. 507,448. WEST CREEK HOSIERY Co., Tuckerton, N. J. Filed Aug. 14, 1946.

Myrtle Harris

The trade-mark consists of the signature of Myrtle Harris, a member of the firm.
FOR HOSIERY.
Claims use since 1938.

Ser. No. 508,734. THE JETMORE Co., Olathe, Kans. Filed Sept. 9, 1946.



FOR CHILDREN'S PLAY GARMENTS—NAMESLY, OVERALLS, SUN SUITS, SHIRTS, AND PINAFORES.
Claims use since on or about July 18, 1946.

Ser. No. 509,498. BOW AGE, INC., New York, N. Y. Filed Sept. 21, 1946.



FOR CHILDREN'S GARMENTS—NAMESLY, DRESSES, PINAFORES, BLOUSES, AND SUNSUITS.
Claims use since March 1946.

Ser. No. 510,158. CHARLES R. BROOKS, doing business as Brookcraft Industries, Knoxville, Tenn. Filed Oct. 3, 1946.

SCHOLAR

FOR UNIT ASSEMBLIES OF CUT-OUT LEATHER OR FELT PIECES AND LACINGS FOR MAKING UP INTO A CAP, SOLD IN PACKAGED FORM.
Claims use since Sept. 16, 1946.

Ser. No. 511,526. SIMON WOLFF, doing business as Simon Wolff & Co., New York, N. Y. Filed Oct. 25, 1946.

Sywolf

FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY AND KNIT UNDERWEAR.
Claims use since Oct. 3, 1946.

Ser. No. 511,869. JOE & TED FUNK INC., New York, N. Y. Filed Nov. 1, 1946.

MarciaJoan

FOR MISSES' AND JUNIOR MISSES' COATS AND SUITS.
Claims use since September 1946.

Ser. No. 513,110. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Nov. 23, 1946.

MONTEGO

FOR MEN'S HATS.
Claims use since Oct. 30, 1946.

Ser. No. 515,287. ANCINIE SPORTWEAR, INC., Brooklyn, N. Y. Filed Jan. 6, 1947.



FOR SWEATERS.
Claims use since December 1946.

Ser. No. 516,948. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Feb. 5, 1947.

SleepMaker

No claim is made to the word "Sleep" apart from the mark.
FOR PAJAMAS.
Claims use since Nov. 21, 1945.

Ser. No. 517,319. CHARLES MILLER COAT COMPANY, INC., New York, N. Y. Filed Feb. 11, 1947.



Applicant disclaims the use of the word "Fashions" apart from the mark.
FOR WOMEN'S COATS AND SUITS.
Claims use since Nov. 3, 1946.

Ser. No. 517,393. JACK WINTER INC., Milwaukee, Wis. Filed Feb. 12, 1947.



The words "Jack Winter" are disclaimed apart from the mark as shown.
FOR MEN'S, WOMEN'S, CHILDREN'S WEARING APPAREL—NAMESLY, SLACKS, SHIRTS, OVERALLS, SUITS, OVERCOATS.
Claims use since Dec. 31, 1946.

Ser. No. 520,866. ETABLISSEMENTS BOILEAU, Paris, France. Filed Apr. 17, 1947.

BOILEAU

FOR HOSIERY AND SOCKS.
Claims use since 1914.

Ser. No. 521,569. DELFINER BROTHERS, INC., Philadelphia, Pa. Filed Apr. 30, 1947.



No claim is made to the representation of a coat front or to the words "Shrinkproof Coat Fronts" apart from the mark as shown.

FOR SHRINKPROOF COAT FRONTS.
Claims use since Jan. 1, 1947.

Ser. No. 523,164. SORORITY MISS UNDERWEAR CO. INC., New York, N. Y. Filed May 27, 1947.

Jane Linda

FOR LADIES' PAJAMAS, SLIPS, NIGHT GOWNS, PANTIES, AND PETTICOATS.
Claims use since Oct. 1, 1946.

Ser. No. 523,231. AIR-CRAFT SHOE CO., INC., Auburn, Maine. Filed May 29, 1947.



FOR SHOES MADE OF LEATHER, FABRIC, RUBBER AND/OR ANY COMBINATIONS THEREOF.
Claims use since May 9, 1947.

CLASS 42 KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 486,119. RIVERSIDE & DAN RIVER COTTON MILLS, Inc., Danville, Va., now by change of name to Dan River Mills Incorporated. Filed July 21, 1945.

POLOWEAR

FOR COTTON PIECE GOODS TREATED TO RENDER THE SAME WEATHER RESISTANT.
Claims use since June 14, 1945.

Ser. No. 511,682. JANSBOW FABRICS INC., New York, N. Y. Filed Oct. 29, 1946.



The descriptive words "Fabrics" and "Inc." and the representation of the goods are disclaimed apart from the mark.

FOR TEXTILE FABRICS OF COTTON, RAYON, WOOL AND COMBINATIONS THEREOF, SOLD BY THE BOLT.
Claims use since June 1946.

Ser. No. 511,684. JANSBOW FABRICS INC., New York, N. Y. Filed Oct. 29, 1946.

MOONWINK

FOR WOVEN TEXTILE FABRIC OF RAYON AND COTTON, SOLD BY THE BOLT.
Claims use since June 1946.

CLASS 43 THREAD AND YARN

Ser. No. 521,748. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 2, 1947.

STYBER

FOR THREAD AND YARNS MADE OF VARIOUS SYNTHETIC RESINS.
Claims use since Mar. 18, 1947.

CLASS 44 DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 511,039. PETER ROTHWELL, doing business as Rothwell Ceramic Laboratories, Buffalo, N. Y. Filed Oct. 17, 1946.



The drawing is lined for shading and no claim is made to the words "Rothwell" and "Acrylic Veneers."
FOR ARTIFICIAL TEETH IN VARIOUS FORMS.
Claims use since Sept. 27, 1946.

Ser. No. 515,510. THE MOTLOID COMPANY, INC., Chicago, Ill. Filed Jan. 9, 1947.



No claim is made to the words "Products Serving Progress" apart from the mark.

FOR ACRYLIC DENTURE BASE MATERIALS; ACRYLIC REPAIR MATERIAL FOR DENTURES; ACRYLIC TRAY MATERIAL FOR MAKING IMPRESSION TRAYS; ACRYLIC MATERIAL FOR PROCESSING EARMOULDS; METAL IMPRESSION TRAYS FOR TAKING IMPRESSIONS FOR DENTURES; DENTAL FLUX RODS FOR USE IN CASTING PRECIOUS METALS; AN ALGINATE SOLUTION WITH FILM FORMING PROPERTIES TO BE USED ON PLASTER CASTS IN PROCESSING PROSTHETIC APPLIANCES; DENTAL WAX; BUFFING WHEELS FOR USE IN DENTISTRY; AND ELECTRIC CURING VATS, USING VAPOR.
Claims use since Oct. 25, 1946.

Ser. No. 520,026. CARL H. GEBAUER, Chicago, Ill. Filed April 2, 1947.

STREAMLINER

FOR ELASTIC SURGICAL GOODS—NAMESLY, ELASTIC SURGICAL ABDOMINAL SUPPORTS, AND SURGICAL ELASTIC STOCKINGS.
Claims use since Mar. 18, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 485,976. TITO ABBO JUNIOR Y HERMANOS, Maracaibo, Venezuela. Filed July 19, 1945.



No claim is made to "Abbo" or to the words "Trade" and "Mark" apart from the mark as shown.
FOR GREEN COFFEE.
Claims use since Feb. 8, 1944.

Ser. No. 488,586. MYLES L. GREENE, doing business as Myles L. Greene & Co., Fort Lauderdale, Fla. Filed Sept. 17, 1945.

DIXIE GOLD

The lining on the drawing is for shading only.
FOR FRESH TOMATOES.
Claims use since January 1939.

Ser. No. 491,866. THE B. MANISCHEWITS COMPANY, Jersey City, N. J., and Cincinnati, Ohio. Filed Nov. 19, 1945.



The trade-mark consists of a group of three, spaced horizontal bands disposed around the central portion of the container for the goods; the two outer bands being shown in the color red and the central band shown in the color blue, said red and blue bands having white strips therebetween, and two spaced blue shields superimposed across them. The drawing is lined to represent the colors red and blue.

FOR MATZOS.
Claims use since Nov. 1, 1940.

Ser. No. 520,866. Etablissements Boileau, Paris, France. Filed Apr. 17, 1947.

BOILEAU

FOR HOSIERY AND SOCKS.
Claims use since 1914.

Ser. No. 521,569. DELFINER BROTHERS, INC., Philadelphia, Pa. Filed Apr. 30, 1947.



No claim is made to the representation of a coat front or to the words "Shrinkproof Coat Fronts" apart from the mark as shown.

FOR SHRINKPROOF COAT FRONTS.
Claims use since Jan. 1, 1947.

Ser. No. 523,164. SORORITY MISS UNDERWEAR CO. INC., New York, N. Y. Filed May 27, 1947.

Jane Linda

FOR LADIES' PAJAMAS, SLIPS, NIGHT GOWNS, PANTIES, AND PETTICOATS.
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Claims use since May 9, 1947.

CLASS 42 KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 486,119. RIVERSIDE & DAN RIVER COTTON MILLS, Inc., Danville, Va., now by change of name to Dan River Mills Incorporated. Filed July 21, 1945.

POPLOWEAR

FOR COTTON PIECE GOODS TREATED TO RENDER THE SAME WEATHER RESISTANT.
Claims use since June 14, 1945.

Ser. No. 511,682. JANSRAW FABRICS INC., New York, N. Y. Filed Oct. 29, 1946.



The descriptive words "Fabrics" and "Inc." and the representation of the goods are disclaimed apart from the mark.

FOR TEXTILE FABRICS OF COTTON, RAYON, WOOL AND COMBINATIONS THEREOF, SOLD BY THE BOLT.

Claims use since June 1946.

Ser. No. 511,684. JANSRAW FABRICS INC., New York, N. Y. Filed Oct. 29, 1946.

MOONWINK

FOR WOVEN TEXTILE FABRIC OF RAYON AND COTTON, SOLD BY THE BOLT.
Claims use since June 1946.

CLASS 43 THREAD AND YARN

Ser. No. 521,748. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 2, 1947.

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FOR THREAD AND YARNS MADE OF VARIOUS SYNTHETIC RESINS.
Claims use since Mar. 18, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 511,039. PETER ROTHWELL, doing business as Rothwell Ceramic Laboratories, Buffalo, N. Y. Filed Oct. 17, 1946.



The drawing is lined for shading and no claim is made to the words "Rothwell" and "Acrylic Veneers."
FOR ARTIFICIAL TEETH IN VARIOUS FORMS.
Claims use since Sept. 27, 1946.

Ser. No. 515,510. THE MOTLOID COMPANY, INC., Chicago, Ill. Filed Jan. 9, 1947.



No claim is made to the words "Products Serving Progress" apart from the mark.

FOR ACRYLIC DENTURE BASE MATERIALS; ACRYLIC REPAIR MATERIAL FOR DENTURES; ACRYLIC TRAY MATERIAL FOR MAKING IMPRESSION TRAYS; ACRYLIC MATERIAL FOR PROCESSING EARMOULDS; METAL IMPRESSION TRAYS FOR TAKING IMPRESSIONS FOR DENTURES; DENTAL FLUX RODS FOR USE IN CASTING PRECIOUS METALS; AN ALGINATE SOLUTION WITH FILM FORMING PROPERTIES TO BE USED ON PLASTER CASTS IN PROCESSING PROSTHETIC APPLIANCES; DENTAL WAX; BUFFING WHEELS FOR USE IN DENTISTRY; AND ELECTRIC CURING VATS, USING VAPOR.
Claims use since Oct. 25, 1946.

Ser. No. 520,026. CARL H. GEBAUER, Chicago, Ill. Filed April 2, 1947.

STREAMLINER

FOR ELASTIC SURGICAL GOODS—NAMESLY, ELASTIC SURGICAL ABDOMINAL SUPPORTS, AND SURGICAL ELASTIC STOCKINGS.
Claims use since Mar. 18, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 485,976. TITO ABBO JUNIOR Y HERMANOS, Maracaibo, Venezuela. Filed July 19, 1945.



No claim is made to "Abbo" or to the words "Trade" and "Mark" apart from the mark as shown.
FOR GREEN COFFEE.
Claims use since Feb. 8, 1944.

Ser. No. 488,586. MYLES L. GREENE, doing business as Myles L. Greene & Co., Fort Lauderdale, Fla. Filed Sept. 17, 1945.

DIXIE GOLD

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FOR FRESH TOMATOES.
Claims use since January 1939.

Ser. No. 491,866. THE B. MANISCHEWITS COMPANY, Jersey City, N. J., and Cincinnati, Ohio. Filed Nov. 19, 1945.



The trade-mark consists of a group of three, spaced horizontal bands disposed around the central portion of the container for the goods; the two outer bands being shown in the color red and the central band shown in the color blue, said red and blue bands having white stripes therebetween, and two spaced blue shields superimposed across them. The drawing is lined to represent the colors red and blue.

FOR MATZOS.
Claims use since Nov. 1, 1940.

Ser. No. 492,525. SKYLINE TURKEY HATCHERY, Worthington, Minn. Filed Dec. 1, 1945.



The representation of the turkey is disclaimed apart from the mark.
FOR LIVE TURKEY POULTS SOLD AS SUCH FOR FLOCK PURPOSES.
Claims use since Jan. 1, 1941.

Ser. No. 498,452. PORTERVILLE VEGETABLE GROWERS INC., Porterville, Calif. Filed Mar. 18, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

GARDEN CREAM

No claim is made to the word "Garden" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since Feb. 27, 1946.

Ser. No. 507,738. T. J. MATULICH, doing business as T. J. Matulich Co., Watsonville, Calif. Filed Aug. 21, 1946.



No claim is made to the word "Big" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since July 2, 1946.

Ser. No. 508,163. JOE LOWE CORPORATION, New York, N. Y. Filed Aug. 28, 1946.

SNAXSICLE

FOR FROZEN CONFECTIONS AND POWDERED CONCENTRATES FOR MAKING THE SAME.
Claims use since May 9, 1946, as to concentrates; and since Aug. 13, 1946, as to frozen confections.

Ser. No. 511,068. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Oct. 18, 1946.

AMISOIL

FOR CORN STARCH FOR FOOD PURPOSES.
Claims use since Mar. 20, 1929.

Ser. No. 512,672. JAFFRAY FOOD PRODUCTS CO., Los Angeles, Calif. Filed Nov. 15, 1946.



The words "Farms" and "Rabbit" are disclaimed apart from the mark. The drawing is lined for the colors gold, silver, and blue.
FOR FROZEN DRESSED RABBIT.
Claims use since Oct. 21, 1946.

Ser. No. 514,610. WILLIAM P. KESEL, doing business as W. P. Kesel, New York, N. Y. Filed Dec. 20, 1946.

BABY-BANA

No claim is made to the word "Baby" apart from the mark as shown.
FOR POWDERED DEHYDRATED BANANA FLOUR COMBINED WITH NATURAL B COMPLEX VITAMINS AND DEXTROSE, FOR USE IN MODIFYING COW'S MILK TO AFFORD A MILK BEVERAGE, ALSO AS AN ADDITION, EITHER IN MOIST OR DRY STATE, FOR CONSUMPTION WITH CEREALS.
Claims use since Nov. 12, 1946.

Ser. No. 514,712. MALTEX COMPANY, Burlington, Vt. Filed Dec. 23, 1946.

MALTEX

FOR BREAKFAST CEREAL AND COWFEED.
Claims use since Oct. 15, 1900.

Ser. No. 515,328. THE OUEBACKER COFFEE CO., Louisville, Ky., assignor to David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri. Filed Jan. 6, 1947.

CAROUSEL

FOR PEANUT BUTTER.
Claims use since Nov. 14, 1946.

Ser. No. 515,502. MALTEX COMPANY, Burlington, Vt. Filed Jan. 9, 1947.



MALTEX

The portrait is stippled for shading purposes only. The portrait shown is fanciful.
FOR BREAKFAST CEREAL.
Claims use since Oct. 15, 1900.

Ser. No. 518,369. SOCIETE ANONYME DES ETABLISSEMENTS GRINGOIRE, Pithiviers, France. Filed Mar. 1, 1947.

GATINET

FOR GINGER BREAD, HONEY, CAKES, BISCUITS, CANDY, AND PASTRY.
Claims use since 1932.

Ser. No. 518,370. SOCIETE ANONYME DES ETABLISSEMENTS GRINGOIRE, Pithiviers, France. Filed Mar. 1, 1947.

MADO

FOR GINGER BREAD.
Claims use since Mar. 6, 1946.

Ser. No. 521,845. JUNIOR FOOD PRODUCTS CO. INC., Tyrone, Pa. Filed Apr. 22, 1947.

JACK and JILL

FOR FLAVORED GELATIN DESSERT PREPARATION.
Claims use since June 25, 1920.

Ser. No. 523,011. ELMORE AND STAHL, doing business as Sunslit Farms, Pharr, Tex. Filed May 24, 1947.



No claim is made to the words "From the Texas" and "Farms" apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since January 1940.

Ser. No. 523,016. SCHREIBER MILLING AND GRAIN COMPANY, St. Joseph, Mo. Filed May 26, 1947.

WHEATCO

FOR FEED FOR LIVESTOCK AND POULTRY, THE PRINCIPAL INGREDIENTS BEING WHEAT FEED AND GROUND WHEAT SCREENINGS.
Claims use since Apr. 25, 1947.

Ser. No. 523,037. PEOPLES PACKING CORPORATION, San Diego, Calif. Filed May 26, 1947.



No claim is made to the word "Fancy" apart from the mark as shown.
FOR CANNED FISH—NAMESLY, TUNA.
Claims use since Apr. 21, 1947.

Ser. No. 523,327. SESSIONS COMPANY, INC., Enterprise, Ala. Filed May 31, 1947.



FOR PEANUT BUTTER.
Claims use since Dec. 31, 1944.

Ser. No. 523,833. G. G. FLETCHER & SONS, Yuma, Ariz.
Filed June 9, 1947.

*Printed
Desert*

No claim is made to the word "Desert" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since January 1947.

Ser. No. 524,642. FOREX AG. ZURICH, Zurich, Switzerland.
Filed June 21, 1947.

NUTRAPEP

FOR DEXTROSE.
Claims use since Dec. 23, 1946.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 523,964. HAFENREFFER & CO. INC., Boston, Mass.
Filed June 11, 1947.



FOR ALE.
Claims use since June 19, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 474,616. ALLIED IMPORTING COMPANY, San Francisco, Calif., assignor to Delphine Salazar, doing business as World-Wide Importing Company, Albuquerque, N. Mex. Filed Sept. 26, 1944.

Pacific Club

No claim is made to the word "Club" apart from the mark as shown.
FOR WHISKEY.
Claims use since Aug. 15, 1944.

Ser. No. 521,861. DENEHEIM DISTILLING COMPANY, Kansas City, Mo. Filed May 5, 1947.

Old Library

The word "Old" is disclaimed apart from the mark shown.
FOR WHISKEY.
Claims use since Mar. 21, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 497,882. WILLIAM H. SCHUTTE, North Hollywood, Calif. Filed Mar. 8, 1946.

LUMIN-EYE

FOR SELF LUMINOUS WASHERS OF TRANSPARENT PLASTIC MATERIAL ADAPTED TO BE ATTACHED TO AN ELECTRIC LIGHT PANEL FOR THE PURPOSE OF LOCATING THE ELECTRIC LIGHT SWITCH IN THE DARK.

Claims use since Jan. 10, 1946.

Ser. No. 499,687. LAWRENCE AUNE, Clitherall, Minn.
Filed Apr. 5, 1946.

NU-WAY

FOR COLLAPSIBLE SCAFFOLDS.
Claims use since June 18, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 18 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 528,884. PERKINS SOAP COMPANY, Springfield, Mass. Filed July 18, 1947.

ELAINE

FOR TEXTILE SOAP.
Claims use since April 1924.

Ser. No. 528,885. PERKINS SOAP COMPANY, Springfield, Mass. Filed July 18, 1947.

SILKINE

FOR TEXTILE SOAP.
Claims use since April 1924.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 526,674. JOHN M. WEBB, doing business as John McD. Webb Associates, Minneapolis, Minn. Filed July 5, 1947.

Cutlass

FOR AFTER SHAVE LOTION.
Claims use since Dec. 3, 1945.

Ser. No. 526,706. JULIUS ROBBINS, Los Angeles, Calif.
Filed July 5, 1947.

ECCCREAM

FOR CLEANSING FACE CREAM.
Claims use since September 1941.

Ser. No. 526,795. PUBLICKER INDUSTRIES INC., Philadelphia, Pa. Filed July 5, 1947.

THERMO

Applicant claims ownership of registrations Nos. 219,698 and 342,265.

FOR DENATURED ALCOHOL AND ANTIFREEZE PREPARATIONS FOR ENGINE COOLING SYSTEMS OF AUTOMOBILES AND OTHER INTERNAL COMBUSTION ENGINES.

Claims use since December 1925.

Ser. No. 526,865. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

PARLODION

Applicant claims ownership of registration No. 129,685.
FOR COLLODION.
Claims use since Aug. 30, 1917.

Ser. No. 526,867. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

PICTOL

Applicant claims ownership of registration No. 158,010.
FOR CHEMICAL KNOWN AS MONOMETHYL PARAMIDOPHENOL SULPHATE AND USED AS A DEVELOPER FOR PHOTOGRAPHIC PURPOSES.
Claims use since Feb. 1, 1921.

Ser. No. 526,914. CHAS. PFIZER & CO., INC., New York, N. Y. Filed July 5, 1947.

PECTIMYCIN

FOR STREPTOMYCIN PREPARATION.
Claims use since June 17, 1947.

Ser. No. 526,932. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

Ioflow

Applicant claims ownership of registration No. 344,036.
FOR MIXTURE CONTAINING POTASSIUM IODIDE USED FOR ADDING IODINE TO FOODS.
Claims use since Oct. 13, 1938.

Ser. No. 526,933. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

IOMAG

Applicant claims ownership of registration No. 357,787. FOR IODINE-ADDING SUPPLEMENT FOR ANIMAL FEEDS. Claims use since October 1936.

Ser. No. 526,937. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

HYPORICE

Applicant claims ownership of registration No. 326,011. FOR SODIUM HYPOSULPHITE IN CRYSTAL FORM. Claims use since Feb. 19, 1935.

Ser. No. 527,345. HINDU INCENSE MANUFACTURING CO., Chicago, Ill. Filed July 5, 1947.

Rajah

Applicant claims ownership of registration No. 300,107. FOR INCENSE. Claims use since July 1, 1921.

Ser. No. 527,376. HINDU INCENSE MANUFACTURING CO., Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

INDIA

FOR INCENSE. Claims use since Aug. 16, 1923.

Ser. No. 527,442. BLANKE-BAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo. Filed July 5, 1947.

WIN-YOU

Applicant claims ownership of registrations Nos. 237,978, 238,210, 240,295, 391,854, 393,207, 393,518, and 425,745. FOR FOOD COLORINGS. Claims use since March 1924.

Ser. No. 528,119. THE JOHN PUHL PRODUCTS COMPANY, Chicago, Ill. Filed July 8, 1947. Under section 2f of the act of 1946.

Fleecy White

The mark consists of the words "Fleecy White" regardless of the color or style of lettering. Applicant claims ownership of registration No. 371,347. FOR LAUNDRY BLEACH COMPOUND. Claims use since July 26, 1938.

Ser. No. 528,290. LAMBERT PHARMACAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed July 10, 1947.

CRUX

FOR SHAMPOO. Claims use since June 30, 1947.

Ser. No. 533,432. BUPANE GAS COMPANY, INCORPORATED, Cedar Rapids, Iowa. Filed July 5, 1947.

BUPANE

Applicant claims ownership of registration No. 372,961. FOR LIQUIFIED PETROLEUM GAS. Claims use since Dec. 15, 1933.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 527,132. THE PRESSTITE ENGINEERING COMPANY, St. Louis, Mo. Filed July 5, 1947.

KALKTITE

Applicant claims ownership of registration No. 266,632. FOR DRY, POWDERED ASPHALT COMPOUNDED WITH OTHER INGREDIENTS FOR USE IN PRODUCING A CEMENT. Claims use since June 25, 1929.

Ser. No. 527,168. THE PRESSTITE ENGINEERING COMPANY, St. Louis, Mo. Filed July 5, 1947.

ENAMELITE

Applicant claims ownership of registration No. 282,593. FOR ASPHALT COMPOUNDED WITH OTHER INGREDIENTS FOR USE IN PRODUCING A CEMENT. Claims use since May 1, 1929.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 527,957. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed July 5, 1947.

MINNSEAL

FOR PIGMENTED SEALER AND PRIMER WHITE PAINT READY FOR USE. Claims use since 1930.

Ser. No. 527,958. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed July 5, 1947.

MINNLITE

FOR UNDER COAT, FUME PROOF, EGGSHELL, FLAT WHITE AND GLOSS INTERIOR WALL FINISH PAINTS. Claims use since 1914.

Ser. No. 528,587. SCHALK CHEMICAL COMPANY, Los Angeles, Calif. Filed July 14, 1947. Under section 2f of the act of 1946.

Savabrush

Applicant claim ownership of registrations Nos. 147,514 and 430,868.

FOR PAINT BRUSH CLEANER. Claims use since Feb. 27, 1917, as to the term "Savabrush"; and since Sept. 15, 1941, as to the mark shown.

Ser. No. 530,713. BOATWRIGHT PAINT & VARNISH WORKS, INC., Atlanta, Ga. Filed Aug. 7, 1947.

BOATWRIGHT

FOR PAINTS, ENAMELS, AND VARNISHES. Claims use since 1924.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,059. WARREN G. ALTHOFF, Glendale, Calif. Filed July 5, 1947.

SCIPPER

FOR PAPER DOILIES. Claims use since June 18, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 528,551. DON BAXTER, INC., Glendale, Calif. Filed July 14, 1947.

VACOLITER

FOR BOOKLETS. Claims use since May 5, 1947.

Ser. No. 529,933. RUBANK, INC., Chicago, Ill. Filed July 29, 1947.

RUBANK

FOR SHEET MUSIC AND MUSIC BOOKS.
Claims use since Jan. 2, 1927.

Ser. No. 530,749. LUBE-X SYSTEMS, INC., Chicago, Ill. Filed Aug. 7, 1947.

LUBE-X

FOR LUBRICATING GUIDES AND CHARTS.
Claims use since Dec. 20, 1938.

**CLASS 39
CLOTHING**

Ser. No. 528,285. R. & M. KAUFMANN, INC., Aurora, Ill. Filed July 10, 1947. Under section 2f of the act of 1946.

**Vicky
Vaughn**

Applicant claims ownership of registration No. 399,281.
FOR WASH FROCKS, SLACKS, AND PAJAMAS FOR
WOMEN, MISSES, AND GIRLS.
Claims use since Sept. 1, 1941.

Ser. No. 529,624. FUNK BROS. HAT & CAP CO., St. Louis, Mo. Filed July 26, 1947.

FUNKAP

FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since July 1, 1947.

Ser. No. 529,961. THE WILLIAM CARTER COMPANY, Needham Heights, Mass. Filed July 30, 1947. Under section 2f of the act of 1946.

NEVABIND

Applicant claims ownership of registration No. 302,161.
FOR INFANTS' UNDERGARMENTS.
Claims use since Oct. 8, 1931.

Ser. No. 530,315. ISAAC GINSBERG & BROS., INC., New York, N. Y. Filed Aug. 2, 1947. Under section 2f of the act of 1946.

ROXBURY

Applicant claims ownership of registration No. 339,681.
FOR WOMEN'S, GIRLS', AND CHILDREN'S
DRESSES.
Claims use since July 11, 1935.

CLASS 42

**KNITTED, NETTED, AND TEXTILE FABRICS,
AND SUBSTITUTES THEREFOR**

Ser. No. 528,547. WANSKUCK COMPANY, Providence, R. I., and New York, N. Y. Filed July 12, 1947.



Applicant claims ownership of registration No. 57,174.
FOR WOVEN WOOLEN AND WORSTED FABRICS IN
THE PIECE.
Claims use since 1876.

Ser. No. 528,632. METCALF BROTHERS & CO., New York, N. Y. Filed July 15, 1947.



Applicant claims ownership of registration No. 57,103.
FOR WOVEN WOOLEN AND WORSTED FABRICS
IN THE PIECE.
Claims use since 1894.

Ser. No. 528,721. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J. Filed July 16, 1947. Under section 2f of the act of 1946.

YORK

Applicant claims ownership of registration No. 396,451.
FOR SHADE CLOTH.
Claims use since Mar. 1, 1936.

Ser. No. 528,724. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J. Filed July 16, 1947. Under section 2f of the act of 1946.

MADISON

Applicant claims ownership of registration No. 145,269.
FOR HOLLAND SHADE-CLOTH.
Claims use since Aug. 15, 1915.

Ser. No. 529,217. MARTIN WEINER CORP., Clifton, N. J., and New York, N. Y. Filed July 22, 1947.

WILD RICE

FOR RAYON, COTTON, LINEN, WOOL, NYLON, AND
SILK GOODS IN THE PIECE.
Claims use since Mar. 10, 1947.

CLASS 44

**DENTAL, MEDICAL, AND SURGICAL
APPLIANCES**

Ser. No. 534,857. ABBOTT LABORATORIES, North Chicago, Ill. Filed Sept. 18, 1947.

VENOSET

FOR STERILE DISPOSABLE VENOCLYSIS SETS
CONSISTING OF A RUBBER TUBING CONNECTOR,
PLASTIC TUBING, AND A NEEDLE ADAPTER.
Claims use since Aug. 2, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

JANUARY 13, 1948

- 435,827. PLASTIC COATED MENDING TAPE. INDUSTRIAL TAPE CORPORATION, North Brunswick Township, Middlesex County, N. J.
Filed September 13, 1944. Serial No. 474,167. PUBLISHED MARCH 6, 1945. Class 5.
- 435,828. FRESH DECIDUOUS FRUITS AND VEGETABLES. THE GOLDEN RIDGE ORCHARDS COMPANY, Milton, N. Y.
Filed May 18, 1945. Serial No. 483,542. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,829. BAKING PRIMER COMPOSITION FOR COATING METAL ARTICLES HAVING CHROMIUM SURFACES, SAID COMPOSITION BEING APPLIED TO SAID SURFACES AS A PROTECTIVE FILM AND THEN DRIED BY THE APPLICATION OF HEAT. MAAS & WALDSTEIN COMPANY, Newark, N. J.
Filed September 12, 1945. Serial No. 488,336. PUBLISHED OCTOBER 7, 1947. Class 16.
- 435,830. BREAD. ARK BAKERS, Wichita, Kans., assignor to Ark Bakers, Inc., Wichita, Kans., a corporation of Kansas.
Filed September 27, 1945. Serial No. 489,032. PUBLISHED OCTOBER 14, 1947. Class 46.
- 435,831. COMMERCIAL AND HORSE TRAILERS. HARRY E. WEISSBERG, Los Angeles, Calif.
Filed November 26, 1945. Serial No. 492,239. PUBLISHED MAY 21, 1946. Class 19.
- 435,832. PLASTIC-SURFACED TEXTILE FABRICS RESEMBLING LEATHER. HUNT & WINTERBOTHAM LIMITED, Cam, England.
Filed January 25, 1946. Serial No. 495,386. PUBLISHED SEPTEMBER 9, 1947. Class 50.
- 435,833. PHOTOGRAPHIC CAMERAS. GENERAL ANILINE & FILM CORPORATION, New York and Binghamton, N. Y.
Filed January 30, 1946. Serial No. 495,663. PUBLISHED MARCH 4, 1947. Class 26.
- 435,834. ARTICLE PROTECTIVE COVERS MADE OF PLASTIC FILM—NAMELY, LAMP SHADE COVERS AND GARMENT SHOULDER COVERS. A. L. SIEGEL CO., INC., New York, N. Y.
Filed February 6, 1946. Serial No. 496,107. PUBLISHED OCTOBER 7, 1947. Class 50.
- 435,835. SHOCK CUSHIONING RESILIENT COMPRESSIBLE MATS, PADS, NESTS, WRAPPINGS, AND RUG UNDERLAYS, MADE OF ENTANGLED MUTUALLY ATTACHED FLEXIBLE FILAMENTS FORMING A SPRINGY SPONGY MASS THICKER THAN CLOTH AND HONEYCOMBED WITH VOIDS. THE SPONGE RUBBER PRODUCTS COMPANY, Shelton, Conn.
Filed February 9, 1946. Serial No. 496,343. PUBLISHED SEPTEMBER 16, 1947. Class 50.
- 435,836. LADIES' AND CHILDREN'S KNITTED PANTIES AND VESTS MADE OF COTTON, WOOL, AND/OR RAYON. M. ROSEN & COMPANY, Schuylkill Haven, Pa., assignor to Argo Knitting Mills, Inc., Schuylkill Haven, Pa., a corporation of Pennsylvania.
Filed February 12, 1946. Serial No. 496,472. PUBLISHED SEPTEMBER 2, 1947. Class 39.
- 435,837. COATING MATERIAL OF LACQUER, VARNISH AND LIKE ORIGIN ADAPTED TO BE LIQUEFIED BY MEANS OF HEAT, ETC. PROTECTIVE COATINGS CORPORATION, Belleville, N. J.
Filed February 14, 1946. Serial No. 496,568. PUBLISHED APRIL 22, 1947. Class 16.
- 435,838. BREAD. JOSEPH NORDMANN, doing business as Nordmann's Bakery, Cincinnati, Ohio.
Filed February 21, 1946. Serial No. 497,036. PUBLISHED OCTOBER 14, 1947. Class 46.
- 435,839. WINES. BEVERLY HILLS WINE COMPANY, Syracuse, N. Y.
Filed February 23, 1946. Serial No. 497,062. PUBLISHED SEPTEMBER 24, 1946. Class 47.
- 435,840. JEWEL CASES, JEWEL BOXES, AND SEWING CASES, ALL OF FABRIC, IMITATION LEATHER, AND COMBINATIONS THEREOF, ALL SOLD EMPTY; AND MAIL BAGS, AND MONEY BAGS OF CLOTH OR FABRIC. U. S. LUGGAGE & LEATHER PRODUCTS CO., New York, N. Y.
Filed March 2, 1946. Serial No. 497,581. PUBLISHED OCTOBER 14, 1947. Class 2.
- 435,841. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME. THE MIRA COMPANY, Atlanta, Ga.
Filed March 13, 1946. Serial No. 498,161. PUBLISHED JANUARY 7, 1947. Class 45.
- 435,842. DRIED FRUITS, CANNED FRUITS, AND CANNED VEGETABLES. ABINANTE & NOLA PACKING CO., San Jose, Calif.
Filed April 2, 1946. Serial No. 499,457. PUBLISHED OCTOBER 14, 1947. Class 46.
- 435,843. ALCOHOLIC BEVERAGES CONTAINING RUM. RUDOLPH RICHARD, London, England.
Filed April 9, 1946. Serial No. 499,917. PUBLISHED OCTOBER 14, 1947. Class 49.
- 435,844. TABLE GLASSWARE—NAMELY, PLATES, CUPS, SAUCERS, GOBLETs, DRINKING GLASSES, MUGS, THE SAME BEING MOLDED, CUT OR EXTRUDED; AND FLAT SHEETS OF GLASS. ACADEMY AWARD PRODUCTS, INC., New York, N. Y.
Filed April 18, 1946. Serial No. 500,447. PUBLISHED SEPTEMBER 23, 1947. Class 33.
- 435,845. CANE SUGAR SYRUPS, INCLUDING SYRUP OF STRAIGHT LIQUID SUGAR (REFINED CANE SUGAR SYRUP), SYRUP OF SUCH SUGAR FULLY INVERTED, AND BLENDS OR MIXES IN DIFFERENT PROPORTIONS OF SUCH LIQUID SUGAR AND SUCH FULLY INVERTED SUGAR SYRUP. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LTD., San Francisco, Calif.
Filed April 19, 1946. Serial No. 500,519. PUBLISHED OCTOBER 14, 1947. Class 46.
- 435,846. LENS SHADES, PHOTOGRAPHIC CAMERAS AND PARTS THEREOF. JULIUS BLOCH, doing business as Brooks, San Francisco, Calif.
Filed April 22, 1946. Serial No. 500,644. PUBLISHED AUGUST 26, 1947. Class 26.
- 435,847. CANNED VEGETABLES. AULABAUGH BROS., Brosius, W. Va.
Filed April 23, 1946. Serial No. 500,731. PUBLISHED OCTOBER 14, 1947. Class 46.
- 435,848. ELECTRICAL TEMPERATURE CONTROL MECHANISM, CONSISTING OF THERMOSTATS, AND COMBUSTION CONTROL MECHANISM, TOGETHER WITH TRANSFORMERS AND SECONDARY CONTROL INSTRUMENTS FOR USE THEREWITH. CROWN CONTROLS COMPANY, New Bremen, Ohio, assignor to Crown Controls Company, Inc., New Bremen, Ohio, a corporation of Ohio.
Filed April 23, 1946. Serial No. 500,742. PUBLISHED AUGUST 26, 1947. Class 26.

- 435,849. SEMI-PASTE WALL PAINT. CRANE-FERRY COMPANY, Los Angeles, Calif.
Filed April 29, 1946. Serial No. 501,118. PUBLISHED SEPTEMBER 9, 1947. Class 16.
- 435,850. SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. ALFRED DUNHILL OF LONDON, INC., New York, N. Y.
Filed May 1, 1946. Serial No. 501,243. PUBLISHED OCTOBER 21, 1947. Class 17.
- 435,851. AUTOMOBILE FLOOR MATS MADE OF RUBBER AND FELT. DOAN MANUFACTURING CORP., Cleveland, Ohio.
Filed May 8, 1946. Serial No. 501,647. PUBLISHED SEPTEMBER 2, 1947. Class 50.
- 435,852. CANNED FISH AND CANNED SHELL FISH. KAAKINEN FISH COMPANY, Westport, Wash.
Filed June 10, 1946. Serial No. 503,576. PUBLISHED OCTOBER 14, 1947. Class 46.
- 435,853. EMULSIFIED PLASTIC COATING COMPOSITION FOR PROVIDING A PROTECTIVE LUSTROUS FINISH FOR FLOORS, WOODWORK, RUBBER FLOOR AND WALL COVERINGS, ETC. BROWN-BASSMAN CO., New York, N. Y.
Filed June 17, 1946. Serial No. 504,029. PUBLISHED JUNE 24, 1947. Class 16.
- 435,854. ELECTRONIC LIMIT COMPARATOR GAUGE. FOR USE IN PRODUCTION AND INSPECTION. POLLAK MANUFACTURING COMPANY, Arlington, N. J., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York.
Filed July 8, 1946. Serial No. 505,231. PUBLISHED OCTOBER 14, 1947. Class 26.
- 435,855. STABILIZER PRODUCED FROM WAXY MAIZE (AMIOCA) FOR WATER EMULSIONS TO BE USED IN FOOD PRODUCTS. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed July 12, 1946. Serial No. 505,470. PUBLISHED OCTOBER 7, 1947. Class 46.
- 435,856. ADVERTISING AND GOOD-WILL SOUVENIR NOVELTIES OF NON-PRECIOUS METAL USUALLY BEARING THE NAME OR TRADE-MARK OF THE PURCHASER—NAMELY, BADGES, PLACQUES, NAMEPLATES, MEDALS, ESCUTCHEONS, BUTTONS, MINIATURES, REPLICAS OF VEHICLES, FIREARMS, GUNS, AND OTHER ARTICLES OF MANUFACTURE; AND INSIGNIA. THE ROBBINS COMPANY, Attleboro, Mass.
Filed July 12, 1946. Serial No. 505,517. PUBLISHED OCTOBER 7, 1947. Class 50.
- 435,857. PRINTED CHARTS IN THE NATURE OF A CALENDAR HAVING AN ADJUSTABLE INDICATOR FOR SELECTION OF DATA USEFUL IN DETERMINING THE PERIODS OF FERTILITY AND GESTATION OF WOMEN. ATLANTIC LABORATORIES, INC., Palisades Park, N. J.
Filed July 16, 1946. Serial No. 505,977. PUBLISHED AUGUST 26, 1947. Class 26.
- 435,858. PHOTOGRAPHIC LENSES. ELBERT MANUFACTURING CO. INC., Rochester, N. Y.
Filed July 20, 1946. Serial No. 505,953. PUBLISHED AUGUST 26, 1947. Class 26.
- 435,859. LITHOGRAPHIC OFFSET BLANKETS. COLUMBIA RIBBON AND CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y.
Filed July 22, 1946. Serial No. 506,010. PUBLISHED SEPTEMBER 9, 1947. Class 50.
- 435,860. LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed July 24, 1946. Serial No. 506,198. PUBLISHED APRIL 29, 1947. Class 16.
- 435,861. NON-ALCOHOLIC, MALTLESS, AND CARBONATED BEVERAGES. BENJAMIN CAPLAN, doing business as Purity Beverage Co., Wilmington, Del.
Filed August 6, 1946. Serial No. 506,921. PUBLISHED OCTOBER 14, 1947. Class 45.
- 435,862. VENETIAN BLIND KITS, CONSISTING OF TAPE, CORD, HOLDERS, CORD LOCKS, TILT-LOCKS, AND PULLEYS. NOREENE E. KING, doing business as Jed Venetian Blind Supply Co., Chicago, Ill.
Filed August 12, 1946. Serial No. 507,259. PUBLISHED AUGUST 26, 1947. Class 50.
- 435,863. BRANDY, GIN, RUM AND ALCOHOLIC CORDIALS AND LIQUEURS. CHARLES JACQUIN ET CIE, INC., Philadelphia, Pa.
Filed September 4, 1946. Serial No. 508,465. PUBLISHED OCTOBER 14, 1947. Class 49.
- 435,864. OPTICAL FRAMES. VINCENT SALIBERNO, Newark, N. J.
Filed September 12, 1946. Serial No. 508,928. PUBLISHED AUGUST 26, 1947. Class 26.
- 435,865. SLIVOVITZ. WILLIAM ZAKON & SONS, also doing business as C. H. Graves & Sons Company, Boston, Mass.
Filed September 27, 1946. Serial No. 509,906. PUBLISHED OCTOBER 14, 1947. Class 49.
- 435,866. WINES. WILLIAM ZAKON & SONS, also doing business as C. H. Graves & Sons Company, Boston, Mass.
Filed September 27, 1946. Serial No. 509,907. PUBLISHED OCTOBER 14, 1947. Class 47.
- 435,867. MATTRESSES AND BOX SPRINGS. SEALY, INCORPORATED, Chicago, Ill.
Filed September 28, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 509,952. PUBLISHED OCTOBER 7, 1947. Class 32.
- 435,868. MATTRESSES AND BOX SPRINGS. SEALY, INCORPORATED, Chicago, Ill.
Filed September 28, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 509,956. PUBLISHED OCTOBER 7, 1947. Class 32.
- 435,869. BOTTLE ALE. OHIO BREWERY, INC., Columbus, Ohio.
Filed October 8, 1946. Serial No. 510,443. PUBLISHED OCTOBER 14, 1947. Class 48.
- 435,870. FARM JOURNAL IN CONNECTION WITH ITS BUSINESS. WM. B. TILGHMAN COMPANY, Salisbury, Md.
Filed October 12, 1946. Serial No. 510,811. PUBLISHED SEPTEMBER 16, 1947. Class 38.
- 435,871. MEDICINAL PREPARATIONS FOR THE TREATMENT OF FUNGAL DISEASES OF THE SKIN. WYETH INCORPORATED, Philadelphia, Pa.
Filed October 15, 1946. Serial No. 510,914. PUBLISHED SEPTEMBER 23, 1947. Class 6.
- 435,872. ARTICLES OF CHINA AND HAND PAINTED CHINA NOT ORNAMENTED WITH PRECIOUS METALS—NAMELY, TABLE DINNERWARE, FLOWER POTS, JARS, JARDINIERS, TEAPOTS, PITCHERS, AND VASES. IMPERIAL BAKER CO., Brooklyn, N. Y.
Filed October 18, 1946. Serial No. 511,089. PUBLISHED SEPTEMBER 16, 1947. Class 30.
- 435,873. ARTICLES OF CHINA AND HAND PAINTED CHINA NOT ORNAMENTED WITH PRECIOUS METALS—NAMELY, TABLE DINNERWARE, FLOWER POTS, JARS, JARDINIERS, TEAPOTS, PITCHERS, AND VASES. IMPERIAL BAKER CO., Brooklyn, N. Y.
Filed October 18, 1946. Serial No. 511,090. PUBLISHED SEPTEMBER 16, 1947. Class 30.

- 435,874. RODENT TRAPS. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa.
Filed October 19, 1946. Serial No. 511,130. PUBLISHED OCTOBER 21, 1947. Class 50.
- 435,875. COAT, SUIT, AND SKIRT HANGERS, GARMENT SHOULDER COVERS AND GARMENT COVERS OF VARYING LENGTHS, AND SIZE DIVIDERS IN THE FORM OF CIRCULAR DISKS AND POLYGONAL PLATES MADE OF PLASTIC AND CARRYING SIZE NUMBERS, FOR USE IN SALES ROOMS. PERSONALITY PLASTICS INC., New York, N. Y.
Filed October 23, 1946. Serial No. 511,351. PUBLISHED OCTOBER 21, 1947. Class 50.
- 435,876. FILTER TYPE GLASS COFFEE MAKERS. KENT PRODUCTS COMPANY, Chicago, Ill.
Filed October 25, 1946. Serial No. 511,477. PUBLISHED OCTOBER 7, 1947. Class 33.
- 435,877. NON-ALCOHOLIC NON-CEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS OR FLAVORS FOR MAKING THE SAME. CLYDE L. BRIDGES, doing business as Clyde L. Bridges Co., Dallas, Tex.
Filed October 28, 1946. Serial No. 511,595. PUBLISHED SEPTEMBER 30, 1947. Class 45.
- 435,878. MOTION PICTURE PROJECTORS AND PARTS THEREOF. CENTURY PROJECTOR CORPORATION, New York, N. Y., and elsewhere.
Filed October 30, 1946. Serial No. 511,727. PUBLISHED AUGUST 26, 1947. Class 26.
- 435,879. CANDIES. O'BRIEN'S OF CALIFORNIA, INC., San Jose, Calif.
Filed November 2, 1946. Serial No. 511,956. PUBLISHED OCTOBER 7, 1947. Class 46.
- 435,880. COMBINATION STABILIZER-EMULSIFIER FOR ICE CREAM. THE BORDEN COMPANY, New York, N. Y.
Filed November 8, 1946. Serial No. 512,234. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,881. GROOVED PHONOGRAPH RECORDS. BULLET RECORDING & TRANSCRIPTION CO., INC., Nashville, Tenn.
Filed November 8, 1946. Serial No. 512,236. PUBLISHED SEPTEMBER 23, 1947. Class 36.
- 435,882. WINES. CHATEAU WINES CORPORATION, Royal Oak, Mich.
Filed November 12, 1946. Serial No. 512,382. PUBLISHED SEPTEMBER 30, 1947. Class 47.
- 435,883. MUCILAGE, GLUE, SHOE CEMENT; ADHESIVE SIZINGS, WALL SIZINGS; TAPIOCA FLOURS, WHEAT STARCH, POTATO FLOUR, CORNSTARCH, GUM ARABIC, GUM TRAGACANTH—ALL PROCESSED FOR USE AS ADHESIVES; ADHESIVE CASEIN; ADHESIVE LATEXES; ADHESIVE PASTES AND GUMS, POWDERED DEXTRINE ADHESIVE; ADHESIVE CEMENTS; NATURAL AND SYNTHETIC RESINS—ALL PROCESSED FOR USE AS ADHESIVES; AND PROCESSED RUBBER ADHESIVES. THE ARABOL MFG. CO., New York, N. Y.
Filed November 13, 1946. Serial No. 512,480. PUBLISHED MAY 13, 1947. Class 5.
- 435,884. VARNISHES AND WAXES AND POLISHES, FOR PAINT, ENAMEL, VARNISH, AND LACQUER SURFACES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed November 15, 1946. Serial No. 512,711. PUBLISHED SEPTEMBER 9, 1947. Class 16.
- 435,885. QUICK-DRYING ENAMEL PAINT. THOMAS C. DUNHAM, Inc., Long Island City, N. Y.
Filed November 19, 1946. Serial No. 512,824. PUBLISHED SEPTEMBER 9, 1947. Class 16.

- 435,886. QUICK-DRYING ENAMEL PAINT. THOMAS C. DUNHAM, Inc., Long Island City, N. Y.
Filed November 19, 1946. Serial No. 512,825. PUBLISHED SEPTEMBER 9, 1947. Class 16.
- 435,887. MIXED PAINTS. BENJAMIN MOORE & CO., Flemington, N. J., and New York, N. Y.
Filed November 27, 1946. Serial No. 513,328. PUBLISHED SEPTEMBER 16, 1947. Class 16.
- 435,888. COFFEE. ANDREW'S COFFEE CO., New York, N. Y.
Filed December 11, 1946. Serial No. 513,997. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,889. CAMERAS, CAMERA LENSES, OPTICAL VIEW FINDERS, AND RANGE FINDERS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed December 13, 1946. Serial No. 514,231. PUBLISHED AUGUST 26, 1947. Class 26.
- 435,890. FLY SWATTERS. CHARLES A. SIVON, doing business as Sivon Machine Shop and Manufacturing Company, Painesville, Ohio.
Filed December 18, 1946. Serial No. 514,503. PUBLISHED SEPTEMBER 30, 1947. Class 50.
- 435,891. ALUMINUM PAINTS, ALUMINUM PASTE, ALUMINUM POWDER, BRONZE POWDERS, BRONZING LIQUIDS, GOLD PAINT, VARNISH, AND LACQUER THINNER. MASTER BRONZ POWDER CO., Hammond, Ind.
Filed December 26, 1946. Serial No. 514,831. PUBLISHED OCTOBER 7, 1947. Class 16.
- 435,892. DRY CLEANING MACHINES. MECHANICAL PRODUCTS COMPANY, Plainfield, N. J.
Filed December 26, 1946. Serial No. 514,832. PUBLISHED OCTOBER 21, 1947. Class 24.
- 435,893. CANNED CRANBERRY SAUCE. E. PRITCHARD, Inc., Bridgeton, N. J.
Filed December 27, 1946. Serial No. 514,908. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,894. CORN CHIPS. FIPS FOOD COMPANY, Alexandria, Va., and Minneapolis, Minn.
Filed December 30, 1946. Serial No. 515,025. PUBLISHED OCTOBER 7, 1947. Class 46.
- 435,895. AUTOMOBILE AND FURNITURE POLISH. CHARLES THORNFIELD, doing business as Furmoto Chemical Company, London, England.
Filed December 31, 1946. Serial No. 515,141. PUBLISHED OCTOBER 7, 1947. Class 16.
- 435,896. CANNED FISH; CANNED FRUITS, AND CANNED VEGETABLES. SEUFERT BROTHERS COMPANY, The Dalles, Oreg.
Filed January 8, 1947. Serial No. 515,462. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,897. FRUIT PRESERVES, COFFEE, DOG FOOD, CORN FLAKES, COCOA, CANNED MILK, ROCK CANDY, SALAD DRESSING, FRESH ORANGES, ETC. VERALIN INC., Chicago, Ill.
Filed January 8, 1947. Serial No. 515,472. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,898. PROTECTIVE FLOOR FINISHES OF LACQUER TYPE. PIERCE & STEVENS, INCORPORATED, Buffalo, N. Y.
Filed January 10, 1947. Serial No. 515,583. PUBLISHED OCTOBER 7, 1947. Class 16.
- 435,899. CONTACT LENSES. JOHN E. MULLEN, doing business as Jenny Optical Company, Boston, Mass.
Filed January 16, 1947. Serial No. 515,843. PUBLISHED AUGUST 20, 1947. Class 26.
- 435,900. CANDY. HENRY HEIDE, INCORPORATED, New York, N. Y.
Filed January 21, 1947. Serial No. 516,075. PUBLISHED OCTOBER 7, 1947. Class 46.
- 435,901. CIGARETTE SERVERS FOR TABLE USE. TIPPECANOE NOVELTY CORPORATION, Lafayette, Ind.
Filed January 24, 1947. Serial No. 516,329. PUBLISHED OCTOBER 21, 1947. Class 8.

- 435,902. DRINKING GLASSES OF VARIOUS TYPES, GLASS PLATES, POTS AND PANS FOR USE OUTSIDE OF AND/OR WITHIN STOVES AND OVENS, GLASS VASES, BOTTLES, JARS, TRAYS, AND GLASS COFFEE MAKERS. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed January 28, 1947. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 516,499. PUBLISHED OCTOBER 14, 1947. Class 33.
- 435,903. RESINOUS COATED FABRICS IN THE NATURE OF ARTIFICIAL LEATHER. L. E. CARPENTER & COMPANY, Wharton, N. J.
Filed January 29, 1947. Serial No. 516,533. PUBLISHED OCTOBER 14, 1947. Class 50.
- 435,904. ALGIN PRODUCT FOR USE AS A HYDROPHILIC COLLOID POSSESSING STABILIZING THICKENING, SUSPENDING, EMULSIFYING, GEL-FORMING AND WATER HOLDING PROPERTIES IN BAKERY PRODUCTS SUCH AS ICINGS, ETC. KELCO COMPANY, San Diego, Calif.
Filed February 3, 1947. Serial No. 516,855. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,905. LAPEL BUTTONS MADE OF BASE METAL IN THE NATURE OF INSIGNIA. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y.
Filed March 7, 1947. Serial No. 518,665. PUBLISHED OCTOBER 21, 1947. Class 50.
- 435,906. LAPEL BUTTONS MADE OF BASE METAL IN THE NATURE OF INSIGNIA. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y.
Filed March 7, 1947. Serial No. 518,666. PUBLISHED OCTOBER 21, 1947. Class 50.
- 435,907. LAPEL BUTTONS MADE OF BASE METAL IN THE NATURE OF INSIGNIA. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y.
Filed March 7, 1947. Serial No. 518,667. PUBLISHED OCTOBER 21, 1947. Class 50.
- 435,908. FROZEN CONFECTIONS AND LIQUID CONCENTRATES OR SYRUPS FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed March 7, 1947. Serial No. 518,683. PUBLISHED OCTOBER 21, 1947. Class 46.
- 435,909. FRESH DECIDUOUS FRUITS. NYE AND NAUMES PACKING COMPANY, Medford, Oreg.
Filed March 8, 1947. Serial No. 518,735. PUBLISHED OCTOBER 7, 1947. Class 46.
- 435,910. PLUM PUDDING. COCK 'N BULL PRODUCTS, Hollywood, Calif.
Filed March 10, 1947. Serial No. 518,752. PUBLISHED OCTOBER 7, 1947. Class 46.
- 435,911. CANNED FRUITS AND CANNED VEGETABLES. CALIFRUIT CANNING COMPANY, Manteca, Calif.
Filed March 15, 1947. Serial No. 519,059. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,912. RUBBER AUTOMOBILE FLOOR MATS. OAKES & COMPANY, Chicago, Ill.
Filed March 15, 1947. Serial No. 519,088. PUBLISHED OCTOBER 21, 1947. Class 50.
- 435,913. FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS. STANLEY LEVINSON, doing business as Stanley Levinson Co., Los Angeles, Calif.
Filed March 17, 1947. Serial No. 519,131. PUBLISHED OCTOBER 7, 1947. Class 46.

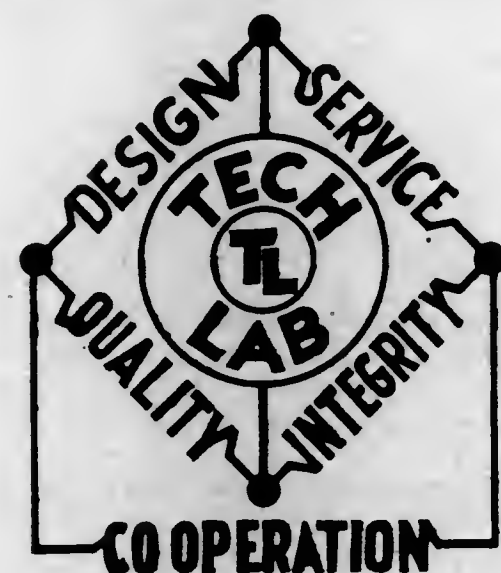
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- 435,914. FOOD FLAVORING EXTRACT. GEORGE GETZOFF, doing business as Standard Flavors Company, New York, N. Y.
Filed March 20, 1947. Serial No. 519,326. PUBLISHED OCTOBER 14, 1947. Class 46.
- 435,915. CANNED DOG AND CAT FOOD. HYGRADE MEAT PACKING CO., El Monte, Calif.
Filed March 29, 1947. Serial No. 519,822. PUBLISHED SEPTEMBER 30, 1947. Class 46.
- 435,916. WHEAT FLOUR. FLOUR MILLS OF AMERICA, Inc., doing business as Valler & Spies Milling Company, Kansas City and St. Louis, Mo.
Filed March 31, 1947. Serial No. 519,869. PUBLISHED OCTOBER 7, 1947. Class 46.
- 435,917. FRESH DECIDUOUS FRUITS, FRESH GRAPES, AND FRESH MELONS. PETERS & GARABEDIAN, Fresno, Calif.
Filed March 31, 1947. Serial No. 519,896. PUBLISHED OCTOBER 14, 1947. Class 46.
- 435,918. STEEL PHONOGRAPH NEEDLES. CAPITOL RECORDS, Inc., Hollywood, Calif.
Filed April 8, 1947. Serial No. 520,320. PUBLISHED OCTOBER 14, 1947. Class 36.
- 435,919. SPECTACLE FRAMES. BAY STATE OPTICAL COMPANY, Attleboro, Mass.
Filed April 22, 1947. Serial No. 521,108. PUBLISHED OCTOBER 14, 1947. Class 26.
- 435,920. SPECTACLE FRAMES. BAY STATE OPTICAL COMPANY, Attleboro, Mass.
Filed April 22, 1947. Serial No. 521,109. PUBLISHED OCTOBER 14, 1947. Class 26.
- 435,921. SMOKING AND CHEWING TOBACCO. R. C. OWEN COMPANY, Gallatin, Tenn.
Filed April 24, 1947. Serial No. 521,276. PUBLISHED OCTOBER 21, 1947. Class 17.
- 435,922. SMOKING TOBACCO. R. C. OWEN COMPANY, Gallatin, Tenn.
Filed April 24, 1947. Serial No. 521,280. PUBLISHED OCTOBER 21, 1947. Class 17.
- 435,923. CHEWING TOBACCO. R. C. OWEN COMPANY, Gallatin, Tenn.
Filed April 24, 1947. Serial No. 521,281. PUBLISHED OCTOBER 21, 1947. Class 17.
- 435,924. CIGARETTES AND SMOKING TOBACCO. CHRISTIAN PEPPER TOBACCO COMPANY, St. Louis, Mo.
Filed April 28, 1947. Serial No. 521,434. PUBLISHED OCTOBER 21, 1947. Class 17.
- 435,925. PIPE RACKS. ROSE MANUFACTURING COMPANY, Denver, Colo.
Filed May 5, 1947. Serial No. 521,929. PUBLISHED OCTOBER 21, 1947. Class 8.
- 435,926. PIPE RACKS. ROSE MANUFACTURING COMPANY, Denver, Colo.
Filed May 5, 1947. Serial No. 521,930. PUBLISHED OCTOBER 21, 1947. Class 8.
- 435,927. HYGROMETERS. SERDEX, Inc., Boston, Mass.
Filed May 2, 1947. Serial No. 521,757. PUBLISHED OCTOBER 14, 1947. Class 26.
- 435,928. MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE. CONCERT HALL SOCIETY, Inc., New York, N. Y.
Filed May 22, 1947. Serial No. 522,814. PUBLISHED OCTOBER 21, 1947. Class 36.

ACT OF 1920

These registrations are not subject to opposition.

435,929. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAGNUS BJORNDALE, doing business as Tech Laboratories, Jersey City, N. J. Filed Aug. 21, 1944. Serial No. 473,464.



FOR RADIO TRANSMITTING AND RECEIVING INSTRUMENTS AND PARTS—NAMELY, RHEOSTATS, MULTI-VIBRATORS, OSCILLATORS, POWER SUPPLY AMPLIFIERS, TAP SWITCHES, DECADE RESISTANCE BOXES AND PRECISION RESISTORS.
Claims use since June 1, 1944.

435,930. (CLASS 38. PRINTS AND PUBLICATIONS.) ESSENTIAL BOOKS, New York, N. Y. Filed Oct. 26, 1945. Serial No. 490,531.

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FOR BOOKS AND PAMPHLETS.
Claims use since February 1944.

435,931. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOSEPH SILVERS, Brooklyn, N. Y. Filed Nov. 13, 1945. Serial No. 491,517.

KLENSALL

FOR GENERAL HOUSEHOLD CLEANING COMPOUNDS AND ALL PURPOSE CLEANERS.
Claims use since Sept. 21, 1945.

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435,932. (CLASS 19. VEHICLES.) BENDIX HELICOPTER, INC., New York, N. Y. Filed Mar. 6, 1946. Serial No. 497,695.



FOR ROTARY WING AIRCRAFT OF THE HEAVIER THAN AIR TYPE.
Claims use since Dec. 26, 1945.

435,933. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FISKE, INC., Auburndale, Mass. Filed Mar. 19, 1946. Serial No. 498,513.

PARTY-LITE

FOR WAX CANDLES AND GLASS CUPS FOR HOLDING THE SAME, SOLD AS A UNIT.
Claims use since Mar. 2, 1946.

435,934. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE UNGAR, doing business as George Importing Company, Chicago, Ill. Filed Mar. 20, 1946. Serial No. 498,660.

Dolly Adams

FOR PANCAKE SYRUP, HONEY, PEPPER, SPICES, DRIED MUSHROOMS AND SHELLS WALNUTS.
Claims use since Oct. 16, 1934.

435,935. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) A. E. STYLES MANUFACTURING CO., Point Pleasant, N. J. Filed Apr. 8, 1946. Serial No. 499,863.

GLAZON

FOR AUTOMOBILE POLISH.
Claims use since Jan. 1, 1939.

JANUARY 13, 1948

U. S. PATENT OFFICE

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435,936. (CLASS 17. TOBACCO PRODUCTS.) CHARLES RATTRAY, Perth, Scotland. Filed June 10, 1946. Serial No. 503,596.

RATTRAY'S

FOR SMOKING TOBACCO, CHEWING TOBACCO, CIGARETTES, SNUFF, AND CIGARS.
Claims use since 1912.

435,937. (CLASS 40. DISTILLED ALCOHOLIC LIQUORS.) SIEGFRIED LOEWENTHAL COMPANY, Cleveland, Ohio. Filed July 17, 1946. Serial No. 505,774.



FOR CORN WHISKEY.
Claims use since May 1, 1946.

435,938. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOSE SANCHIS, Newark, N. J. Filed July 23, 1946. Serial No. 506,130.

PRES-TO-POR

FOR AUTOMATICALLY OPERATED DISPENSERS ADAPTED TO BE PLACED ON BOTTLES AND OTHER CONTAINERS FOR DISPENSING MEASURED QUANTITIES OF A LIQUID.

Claims use since June 1, 1946.

435,939. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BURKS-HALLMAN CO., Memphis, Tenn. Filed Aug. 1, 1946. Serial No. 506,640.



FOR READY-MIXED PAINT AND VARNISH.
Claims use since Apr. 1, 1946.

435,940. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MONTAGUE ROD AND REEL COMPANY, Montague City, Mass. Filed Aug. 22, 1946. Serial No. 507,835.

Hollosteel

FOR FISHING RODS.
Claims use since Apr. 20, 1946.

435,941. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PLASTIC & DIE CAST PRODUCTS CORP., Los Angeles, Calif. Filed Oct. 9, 1946. Serial No. 510,540.

LAPEER

FOR COMBINED ELECTRIC LAMP AND MIRROR.
Claims use since Dec. 14, 1928.

435,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELGIN SOUTHERN CORPORATION, Elgin, Ill. Filed Oct. 28, 1946. Serial No. 511,601.

FILTERITE

FOR PRENEUTRALIZED COAGULANTS FOR USE IN LIQUID CLARIFICATION, INCLUDING WATER CONDITIONING.

Claims use since Oct. 26, 1945.

435,943. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE WALKER CHINA COMPANY, Bedford, Ohio. Filed Nov. 22, 1946. Serial No. 513,079.



FOR VITRIFIED CHINAWARE—NAMELY, OVAL VEGETABLE DISHES, MIXING BOWLS, BREAD AND BUTTER PLATES, CAKE COVERS, CASSEROLES, CELERY TRAYS, COMPOTE PLATES, SUGAR AND CREAMERS, COFFEE CUPS AND SAUCERS, BOUILLON CUPS, EGG CUPS, TEA CUPS, GRAPE FRUIT PLATES, ICE TUBS, MUSTARD CUPS, OATMEAL BOWLS, RELISH PLATES, DESSERT PLATES, SOUP PLATES, COMPARTMENT PLATES, PLATTERS, PUDGING DISHES, SALAD PLATES, SAUCE BOATS.
Claims use since May 10, 1948.

435,944. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) CHARLES NALSON, Trenton, N. J. Filed Dec. 5, 1946. Serial No. 513,755.

MANASQUAN

FOR CHINA—NAMELY, VASES, URNS, APOTHECARY JARS, CANDY BOXES, BONBON DISHES, COFFEE POTS, PITCHERS, DINNERWARE, CHINA CONSOLE SETS—NAMELY, BOWLS AND CANDLEHOLDERS, FLOWER POTS, CHINA VANITY SETS—NAMELY, TRAYS, POWDER BOXES, PERFUME HOLDERS.
Claims use since January 1945.

435,945. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DAVID EISENSTAT, New York, N. Y. Filed Jan. 16, 1947. Serial No. 515,829.

METALECTRICS

FOR ELECTRICAL APPARATUS—NAMELY, GROUND CLAMPS, CAPS FOR SERVICE CABLE, GROUND BUSHINGS, SLIP-IN CONNECTORS, END FITTINGS USED FOR WIRING, AND KNOCK-OUT SEALS USED IN ELECTRICAL FUSE BOXES.

Claims use since Dec. 1, 1945.

435,946. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ELLENVILLE WOOD NOVELTY CO., Inc., Ellenville, N. Y. Filed Apr. 10, 1947. Serial No. 520,446.

Ellwood RUSTICWARE

FOR WOODEN NUT BOWLS WITH Mallet AND PICKS SOLD AS A UNIT.

Claims use since Dec. 1, 1945.

TRADE-MARK REGISTRATIONS RENEWED

22,384. "D.M.C." ETC. AND DESIGN. Registered Jan. 31, 1893. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France. Re-renewed Jan. 31, 1943 (as provided by P. L. 517, July 17, 1946), to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France, a corporation organized under the laws of the Republic of France. THREAD AND YARN FOR COTTON, LINEN, SILK, WOOLEN AND HAIR YARN AND THREAD. Class 43.

22,386. "D.M.C." ETC. AND DESIGN. Registered Jan. 31, 1893. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France. Re-renewed Jan. 31, 1943 (as provided by P. L. 517, July 17, 1946), to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France, a corporation organized under the laws of the Republic of France. THREAD AND YARN, FOR COTTON, LINEN, SILK, WOOLEN AND HAIR YARN AND THREAD. Class 43.

30,729. ACME. Registered Oct. 26, 1897. Otto Young & Co. Re-renewed Oct. 26, 1947, to A. C. Becken Co., Chicago, Ill., a corporation of Illinois. WATCHES. Class 27.

30,730. ACME WATCH CO. Registered Oct. 26, 1897. Otto Young & Co. Re-renewed Oct. 26, 1947, to A. C. Becken Co., Chicago, Ill., a corporation of Illinois. WATCHES. Class 27.

55,031. "BBB WITHIN DIAMOND-SHAPED DESIGN. Registered June 19, 1906. Adolph Frankau & Co. Ltd., London, England. Re-renewed June 19, 1946, to D. A. Schulte, Inc., New York, N. Y., a corporation of New York. TOBACCO-PIPES, CIGAR AND CIGARETTE TUBES. Class 8.

55,031. "BBB" WITHIN DIAMOND-SHAPED DESIGN. Registered Aug. 7, 1906. Adolph Frankau & Co. Ltd., London, England. Re-renewed Aug. 7, 1946, to D. A. Schulte, Inc., New York, N. Y., a corporation of New York. INDIA-RUBBER AND GUTTA-PERCHA POUCHES AND RECEPTACLES FOR HOLDING TOBACCO. Class 8.

59,873. PRIDE OF THE KITCHEN. Registered Jan. 22, 1907. The Higginsville Milling Company. Re-renewed Jan. 22, 1947, to Charles Banks Stout, doing business as Higginsville Milling Company, Higginsville, Mo. WHEAT FLOUR. Class 46.

64,036. "IMPERIAL FRENCH GREEN" AND PICTURESQUE DESIGN LINED TO INDICATE GREEN, RED, WHITE AND YELLOW. Registered July 23, 1907. John Lucas & Co. Re-renewed July 23, 1947, to John Lucas & Company, Incorporated, Philadelphia, Pa., a corporation of Maryland. GREEN PAINT. Class 16.

64,652. QUICK MEAL. Registered Aug. 20, 1907. American Stove Company, St. Louis, Mo., a corporation of New Jersey. Re-renewed Aug. 20, 1947. COAL AND WOOD COOKING STOVES AND RANGES AND GAS, GASOLENE AND OIL STOVES AND RANGES. Class 34.

64,946. FROST KING. Registered Aug. 27, 1907. Richmond Cedar Works, Richmond, Va. Re-renewed Aug. 27, 1947, to Richmond Cedar Works, Richmond and Norfolk, Va., a corporation of Virginia. ICE-CREAM FREEZERS. Class 31.

64,980. MEGGER. Registered Sept. 3, 1907. Evershed & Vignoles Ltd., London, England, a corporation organized under the laws of Great Britain. Re-renewed Sept. 3, 1947. ELECTRIC TESTING APPARATUS FOR TESTING INSULATION AND OTHER RESISTANCE. Class 26.

65,691. INSULECTRIC. Registered Oct. 15, 1907. Toch Brothers, New York, N. Y. Re-renewed Oct. 15, 1947, to Toch Brothers, Incorporated, Staten Island, N. Y., a corporation of New York. INSULATING PAINT. Class 16.

66,645. AEGOPOIUM. Registered Dec. 17, 1907. John Hampden Howarth, New Haven, Conn. Re-renewed Dec. 17, 1947, to Margaret L. Bosworth, White Plains, N. Y. REMEDY FOR RHEUMATISM AND GOUT. Class 6.

66,887. "LA ROSA DE PARIS" ETC. AND DRAWING. Registered Dec. 31, 1907. Starlight Brothers, New York, N. Y. Re-renewed Dec. 31, 1947, to Starlight Bros., Inc., Passaic, N. J., a corporation of New Jersey. CIGARS. Class 17.

67,585. DIETZ. Registered Feb. 11, 1908. R. E. Dietz Company, New York, N. Y., a corporation of New York. Re-renewed Feb. 11, 1948. GLASS GLOBES AND CHIMNEYS FOR LAMPS AND LANTERNS. Class 33.

68,005. ARMSTRONG. Registered Mar. 3, 1908. The Armstrong Mfg. Co., Bridgeport, Conn., a corporation of Connecticut. Re-renewed Mar. 3, 1948. THREADING AND CUTTING-OFF MACHINES. Class 23.

138,382. CONKLIN. Registered Dec. 21, 1920. The Conklin Pen Manufacturing Co., Toledo, Ohio. Re-renewed Jan. 5, 1948 (Supplemental Register), to The Conklin Pen Company, Inc., Chicago, Ill., a corporation of Illinois. FOUNTAIN-PENS. Class 37.

146,617. "MVVZ&Z" AND FLAG DESIGN. Registered Sept. 13, 1921. M. Veldhuysen van Zanten & Zonen. Renewed Sept. 13, 1941, (as provided by P. L. 517, July 17, 1946), to M. V. Bloembollenbedrijf tot Voortzetting der Firma M. Veldhuysen van Zanten & Zonen, Liase, Netherlands, a firm of Holland. BULBS, PLANTS, SEEDS. Class 1.

152,273. ARYS. Registered Feb. 21, 1927. Societe Anonyme des Parfums d'Arys, Courbevois, France, a corporation organized under the laws of the Republic of France. Renewed Feb. 21, 1947 (as provided by P. L. 517, July 17, 1946). PERFUME, EAU DE COLOGNE, TOILET CREAM, FACE LOTIONS, HAIR LOTIONS, DENTIFRICES, AND ROUGES. Class 6.

154,410. PÉTROLE HAHN. Registered Apr. 11, 1922. R. Laurent Vibert. Renewed Apr. 11, 1942 (as provided by P. L. 517, July 17, 1946), to Etablissements F. Vibert, Societe Anonyme, Lyon, France, a corporation organized under the laws of the Republic of France. HAIR TONIC AND HAIR LOTION. Class 6.

165,890. HOOVER. Registered Mar. 20, 1923. The Hoover Suction Sweeper Company, assignor to The Hoover Company. Renewed Jan. 5, 1948 (Supplemental Register), to The Hoover Company, North Canton, Ohio, a corporation of Ohio. ELECTRICAL SUCTION SWEEPERS. Class 21.

167,949. "OCTAGON" ETC. AND DESIGN. Registered May 8, 1923. Colgate & Company. Renewed Jan. 5, 1948 (Supplemental Register), to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. SOAP. Class 4.

179,424. "WINONA" ETC. AND PICTURE. Registered Feb. 5, 1924. Bay State Milling Co., Winona, Minn., a corporation of Minnesota. Renewed Jan. 5, 1948 (Supplemental Register). WHEAT FLOUR. Class 46.

183,601. BOJ. Registered May 6, 1924. Societe Job, Anciens Etablissements Bardou-Job et Paulhac, Perpignan and Toulouse, France, a corporation incorporated under the laws of the Republic of France. Renewed May 6, 1944 (as provided by P. L. 517, July 17, 1946). CIGARS, SMOKING TOBACCO, SNUFF, CHEWING TOBACCO, AND CIGARETTES. Class 17.

184,387. BOJ. Registered May 20, 1924. Societe Job, Anciens Etablissements Bardou-Job et Paulhac, Perpignan and Toulouse, France, a corporation incorporated under the laws of the Republic of France. Renewed May 20, 1944 (as provided by P. L. 517, July 17, 1946). CIGARETTE PAPERS, PIPES, CIGAR HOLDERS, CIGARETTE HOLDERS, CIGAR CASES, TOBACCO POUCHES, AND PIPE STOPPERS. Class 8.

202,122. CHILPRUFE. Registered Aug. 18, 1925. John Adams Bolton, doing business as The Chilprufe Manufacturing Company. Renewed Aug. 18, 1945 (as provided by P. L. 517, July 17, 1946), to Chilprufe Limited, Leicester, England, a corporation incorporated under the laws of the United Kingdom. WOOLEN GARMENTS AS FOLLOWS: INFANTS' NIGHTGOWNS, INFANTS' OVERALLS, INFANTS' BINDERS, INFANTS' PETTICOATS, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Class 39.

218,141. "BBB OWN MAKE" AND DIAMOND-SHAPED DESIGN. Registered Sept. 21, 1926. B.B.B. Pipe Co. Inc. Renewed Sept. 21, 1946, to D. A. Schulte, Inc., New York, N. Y., a corporation of New York. TOBACCO PIPES, CIGAR AND CIGARETTE TUBES AND HOLDERS. Class 8.

218,159. "BBB" WITHIN DIAMOND-SHAPED DESIGN. Registered Sept. 21, 1926. B.B.B. Pipe Co. Inc. Renewed Sept. 21, 1946, to D. A. Schulte, Inc., New York, N. Y., a corporation of New York. TOBACCO PIPES, CIGAR AND CIGARETTE TUBES AND HOLDERS. Class 8.

220,557. "LOUVRE" ETC. AND DESIGN. Registered Nov. 9, 1926. Societe du Louvre, Societe Anonyme, Paris, France, a corporation organized under the laws of the Republic of France. Renewed Nov. 9, 1946 (as provided by P. L. 517, July 17, 1946). SILK PIECE GOODS AND TEXTILE CARPETS. Class 42.

223,103. "LOUVRE" ETC. AND DESIGN. Registered Jan. 18, 1927. Societe du Louvre, Societe Anonyme, Paris, France, a corporation organized under the laws of the Republic of France. Renewed Jan. 18, 1947 (as provided by P. L. 517, July 17, 1946). DESKS, COMMODES, CABINETS, CUPBOARDS, BUFFETS, SIDEBOARDS, CHINA CLOSETS, AND OTHER NAMED FURNITURE ITEMS. Class 32.

226,173. DAWN DONUT. Registered Apr. 5, 1927. Dawn Donut Company of Jackson, Jackson, Mich., a corporation of Michigan. Renewed Apr. 5, 1947. DOUGHNUTS AND DOUGHNUT MIXTURE. Class 46.

228,284. DYSPEPTOL. Registered May 31, 1927. Charles Schumann. Renewed May 31, 1947, to Frances Schumann, Hunter, N. Y. MEDICAL PREPARATIONS FOR THE TREATMENT OF DIGESTIVE AILMENTS. Class 6.

229,786. ASARCO. Registered July 5, 1927. American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey. Renewed July 5, 1947. SALTS, ACIDS, AND COMPOUNDS MADE FROM NON-FERROUS METALS—NAMELY, OXIDE OF ANTIMONY, ARSENIC, CADMIUM, COPPER, LEAD, AND OTHER NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Class 6.

229,812. ASARCO. Registered July 5, 1927. American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey. Renewed July 5, 1947. LEAD TRAPS, BENDS, FLANGES, LEAD-LINED PIPE FITTINGS, COMBINATION LEAD AND IRON BENDS AND FERRULES, AND COMBINATION SOLDERING NIPPLES. Class 13.

230,031. THE NATIONAL MEN'S WEAR SALESMAN. Registered July 12, 1927. The Men's Wear Service Corporation. Renewed July 12, 1947, to Esquire, Inc., Chicago, Ill., a corporation of Delaware. MONTHLY MAGAZINE. Class 38.

230,090. "CRYS-STEEL" SHADED FOR RED. Registered July 12, 1927. Whitin Machine Works, Whitinville, Mass., a corporation of Massachusetts. Renewed July 12, 1947. SPINDLES, RINGS, FLIERS, AND ROLLS OF TEXTILE MACHINERY. Class 23.

230,647. "PHONOLA" AND DESIGN. Registered Aug. 2, 1927. Conley Camera Company. Renewed Aug. 2, 1947, to Waters Conley Company, Rochester, Minn., a corporation of Minnesota. PHONOGRAPHS, REPRODUCERS, TONE ARMS, AND PHONOGRAPH NEEDLES. Class 36.

230,932. THE OUTLOOK. Registered Aug. 9, 1927. The Outlook Company. Renewed Aug. 9, 1947, to Standard & Poor's Corporation, New York, N. Y., a corporation of New York. PERIODICAL. Class 38.

231,059. SILK FLOSS. Registered Aug. 9, 1927. The Kansas Milling Company, Wichita, Kans., a corporation of Kansas. Renewed Aug. 9, 1947. WHEAT FLOUR. Class 46.

231,203. "METRO GOLDWYN MAYER" ETC. AND DESIGN. Registered Aug. 16, 1927. Metro-Goldwyn Pictures Corporation. Renewed Aug. 16, 1947, to Loew's Incorporated, New York, N. Y., a corporation of Delaware. Motion-picture films. Class 26.

231,271. RITEX. Registered Aug. 16, 1927. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Aug. 16, 1947. WRITING INK. Class 11.

231,594. WHAT DO YOU KNOW? Registered Aug. 23, 1927. King Features Syndicate, Inc. Renewed Aug. 23, 1947, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. NEWSPAPER SECTION. Class 38.

231,602. PICTURE OF SUN, GIRL AND FISH. Registered Aug. 23, 1927. Peter Moller A/S, Oslo, Norway, a corporation organized under the laws of Norway. Renewed Aug. 23, 1947. COD-LIVER OIL. Class 6.

- 231,723. "PACIFIC" ETC. AND DESIGN. Registered Aug. 23, 1927. King Bros. Boiler Works, doing business as King Bros. Renewed Aug. 23, 1947, to King Bros., Inc., Portland, Oreg., a corporation of Oregon. COATED STEEL INTERMENT VAULTS. Class 2.
- 231,941. THERMOTAINER. Registered Aug. 30, 1927. Waters-Genter Company, Minneapolis, Minn. Renewed Aug. 30, 1947, to McGraw Electric Company, Elgin, Ill., a corporation of Delaware. DEVICE INTENDED TO MAINTAIN THE FRESHNESS OF BAKERY PRODUCTS BY MEANS OF A HEATED MEDIUM. Class 34.
- 232,240. MOTOR TERMINALS. Registered Sept. 6, 1927. Motor Terminals Company, New York, N. Y. Renewed Sept. 6, 1947, to Motor Terminals, Inc., Cleveland and Cincinnati, Ohio, a corporation of Ohio. AUTOMOBILE TRUCKS AND REMOVABLE BODIES THEREFOR. Class 19.
- 232,493. LAND O'LAKES. Registered Sept. 13, 1927. Land O'Lakes Creameries Inc. Renewed Sept. 13, 1947, to Land O'Lakes Creameries, Inc., Minneapolis, Minn., a corporation of Minnesota. SWEET MILK, CONDENSED MILK, POWDERED MILK, EVAPORATED MILK, HOMOGENIZED CREAM, SWEET-BUTTER, MILK POWDER, AND OTHER NAMED FOOD ITEMS. Class 46.
- 232,544. "JEMCO" AND SHIELD DESIGN. Registered Sept. 13, 1927. Jordan Marsh Company, Boston, Mass., a corporation of Massachusetts. Renewed Sept. 13, 1947. BIAS-FOLD TAPE. Class 40.
- 232,824. PINK BAND ENCIRCLING A PENCIL. Registered Sept. 20, 1927. Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Renewed Sept. 20, 1947. LEAD PENCILS. Class 37.
- 233,331. CUTAWL. Registered Sept. 27, 1927. International Register Company, Chicago, Ill., a corporation of Illinois. Renewed Sept. 27, 1947. CUTTING MACHINES—NAMESLY, SCROLL-CUTTING MACHINES FOR CUTTING SHEET MATERIAL LIKE PAPER, CLOTH, LEATHER, AND VARIOUS OTHER SHEET MATERIALS. Class 23.
- 233,582. MARVELAC. Registered Oct. 4, 1927. The Sherwin Williams Company, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 4, 1947. VARNISHES, FIRST COATERS, PAINT ENAMELS, AND LACQUERS. Class 16.
- 234,120. SERVICE. Registered Oct. 18, 1927. Toledo Scale Company. Renewed Oct. 18, 1947, to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey. HOUSE ORGANS ISSUED FROM TIME TO TIME. Class 38.
- 234,626. VELVET-KOTE. Registered Nov. 1, 1927. The Morgan Company, Peoria, Ill. Renewed Nov. 1, 1947, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. FLAT WALL PAINT. Class 16.
- 235,294. SHELLTONE. Registered Nov. 15, 1927. The Morgan Company, Peoria, Ill. Renewed Nov. 15, 1947, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. WALL PAINT. Class 16.
- 235,295. MORCO. Registered Nov. 15, 1927. The Morgan Company, Peoria, Ill. Renewed Nov. 15, 1947, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. FLAT VARNISH. Class 16.
- 235,297. MORALASTIC. Registered Nov. 15, 1927. The Morgan Company, Peoria, Ill. Renewed Nov. 15, 1947, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. VARNISHES AND VARNISH FINISHES. Class 16.
- 235,298. LACOLEUM. Registered Nov. 15, 1927. The Morgan Company, Peoria, Ill. Renewed Nov. 15, 1947, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. VARNISHES AND VARNISH FINISHES. Class 16.
- 235,301. ESQUE. Registered Nov. 15, 1927. The Morgan Company, Peoria, Ill. Renewed Nov. 15, 1947, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. PREPARED PAINT. Class 16.

- 235,302. ALBAZIN. Registered Nov. 15, 1927. The Morgan Company, Peoria, Ill. Renewed Nov. 15, 1947, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. PAINT ENAMEL. Class 16.
- 235,526. "WILCO" ETC. AND DESIGN. Registered Nov. 22, 1927. The Geo. L. Williams Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 22, 1947. DISINFECTANTS, INSECTICIDES, SPRAY FLUIDS, AND FORMALDEHYDE SOLUTIONS. Class 6.
- 236,017. UNIVERZOIL. Registered Nov. 29, 1927. W. H. Barber Company, Minneapolis, Minn., a corporation of Delaware. Renewed Nov. 29, 1947. LUBRICATING OILS AND GREASES. Class 15.
- 236,566. SPENCERIAN. Registered Dec. 13, 1927. The Spencerian Pen Company. Renewed Dec. 13, 1947, to Spencerian Pen Company, Inc., New York, N. Y., a corporation of New York. WRITING INK. Class 11.
- 236,621. "CLB & SONS" AND DESIGN. Registered Dec. 20, 1927. C. L. Berger & Sons, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Dec. 20, 1947. LEVELS AND TRANSITS. Class 26.
- 236,658. "ROYAL PALM" AND DESIGN. Registered Dec. 20, 1927. Cosby-Hodges Milling Company, Incorporated, Birmingham, Ala., a corporation of Alabama. Renewed Dec. 20, 1947. STOCK AND POULTRY FEED. Class 46.
- 237,024. R. Registered Jan. 3, 1928. The Rattan Manufacturing Company, New Haven, Conn., a corporation of Connecticut. Renewed Jan. 3, 1948. CONDUIT FITTINGS, OUTLET BOXES, AND COVERS. Class 21.
- 237,143. "STOCKALD" AND DIAMOND-SHAPED DESIGN. Registered Jan. 3, 1928. California Rex Spray Co., Benicia, Calif. Renewed Jan. 3, 1948, to Rex Research Corporation, Toledo, Ohio, a corporation of Delaware. FLY REPELLENT. Class 6.
- 237,373. "BEE BRAND" AND REPRESENTATION OF A BEE ENCLOSED IN TRIANGULAR DESIGN. Registered Jan. 10, 1928. McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland. Renewed Jan. 10, 1948. LIQUID-INSECTICIDE-SPRAYING COMPOSITIONS. Class 6.
- 237,424. FOUR ROSES. Registered Jan. 10, 1928. Four Roses Malt Extract Co., Cincinnati, Ohio. Renewed Jan. 10, 1948, to Dextora Company, Indianapolis, Ind., a corporation of Indiana. MALT EXTRACTS FOR FOOD PURPOSES. Class 46.
- 237,466. "SULCO" AND DESIGN. Registered Jan. 10, 1928. The Sullivan Company, Memphis, Tenn., a corporation of Tennessee. Renewed Jan. 10, 1948. CEMENT MIXING COMPOUND INCLUDING POWDER, WATERPROOFING LIQUID, WATERPROOFING PASTE AND OTHER NAMED CONSTRUCTION MATERIALS. Class 12.
- 237,548. PILOT. Registered Jan. 10, 1928. Horace E. Conklin, doing business as E. W. Conklin & Son, Binghamton, N. Y. Renewed Jan. 10, 1948, to The Philadelphia Seed Company, Philadelphia, Pa., a corporation of Pennsylvania. GRASS, FIELD, AND AGRICULTURAL SEEDS, AND SEED GRAINS. Class 1.
- 237,720. MONOGRAM "MM O CO" AND DESIGN. Registered Jan. 17, 1928. Middleby-Marshall Oven Co., Chicago, Ill., a corporation of Illinois. Renewed Jan. 17, 1948. PORTABLE BAKE OVENS. Class 34.
- 237,733. LINE-O-Scribe. Registered Jan. 17, 1928. Line-O-Scribe, Inc., Adrian, Mich. Renewed Jan. 17, 1948, to Ray F. Morgan, doing business as The Morgan Company, Chicago, Ill. PRINTING MACHINES. Class 23.
- 237,748. "F & R" ETC. LINED TO INDICATE COLORS RED AND BLUE. Registered Jan. 17, 1928. P & J Manufacturing Co., Gary, Ind., a firm. Renewed Jan. 17, 1948. MEDICINAL PREPARATION IN LIQUID FORM FOR USE IN THE TREATMENT OF COLD, MALARIA, FEVER, BILIOUS HEADACHE, AND CONSTIPATION. Class 6.

- 237,826. GULF COAST. Registered Jan. 17, 1928. Johnson Canning Company. Renewed Jan. 17, 1948, to F. E. Johnson, doing business as Gulfport Canning and Packing Co., Biloxi, Miss. CANNED OYSTERS AND SHRIMP. Class 46.
- 237,837. THE PROFESSIONAL EMBALMER. Registered Jan. 17, 1928. Undertakers Supply Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 17, 1948. MONTHLY MAGAZINE. Class 38.
- 238,152. "PARAMOUNT NEWS" ETC. AND DESIGN. Registered Jan. 31, 1928. Paramount Famous Lasky Corporation. Renewed Jan. 31, 1948, to Paramount Pictures Inc., New York, N. Y., a corporation of New York. MOVING PICTURES. Class 26.
- 238,186. DIAMOND-SHAPED DESIGN. Registered Jan. 31, 1928. Diamond Chain and Manufacturing Company. Renewed Jan. 31, 1948, to Diamond Chain Company, Inc., Indianapolis, Ind., a corporation of Indiana. CHAINS, MACHINE-MADE CHAINS, BICYCLE CHAINS, MOTOR-CYCLE CHAINS, AUTOMOBILE CHAINS, CHAIN PARTS, ROLLER LINKS, CONNECTING LINKS. Class 13.
- 238,497. PAVA PEPSIN. Registered Feb. 7, 1928. John T. Milliken & Company, St. Louis, Mo. Renewed Feb. 7, 1948, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois. LIQUID DIGESTIVE PREPARATION. Class 6.

- 238,579. "THE MAGIC HAT" AND REPRESENTATION OF TWO MEN. Registered Feb. 14, 1928. Percy Merton Inc., Park Ridge, N. J. Renewed Feb. 14, 1948, to Percy Merton, New York, N. Y. BEACH HATS. Class 39.
- 238,605. BEAR DESIGN ETC. Registered Feb. 14, 1928. Coast Manufacturing & Supply Company, Livermore, Calif., a corporation of Delaware. Renewed Feb. 14, 1948. SAFETY FUSES. Class 9.
- 238,691. TRIC-O-RAY. Registered Feb. 14, 1928. Fairy Silk Mills, Shillington, Pa., a corporation of Pennsylvania. Renewed Feb. 14, 1948. LADIES' AND CHILDREN'S UNDERWEAR CONSISTING OF VESTS, BLOOMERS, DRAWERS, CHEMISE, UNION SUITS, AND NIGHTWEAR—NAMESLY, GOWNS. Class 39.
- 238,809. BIG CHIEF. Registered Feb. 14, 1928. A. P. Green Fire Brick Company, Mexico, Mo., a corporation of Missouri. Renewed Feb. 14, 1948. FIRE BRICK. Class 12.
- 240,113. "WENOKA" AND REPRESENTATION OF AN INDIAN'S HEAD. Registered Mar. 20, 1928. Wenatchee-Okanogan Co-operative Federation, Wenatchee, Wash., a corporation of Washington. Renewed Mar. 20, 1948. FRESH FRUITS—VIZ., APPLES. Class 46.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 90,234. Registered Feb. 11, 1913. NORTHRUP, KING & Co., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

Reg. No. 396,406. Registered July 14, 1942. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.

Giant

FOR FODDER-CORN SEEDS.
Claims use since Jan. 1, 1888.

Reg. No. 90,728. Registered Mar. 18, 1913. NORTHRUP, KING & Co., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

Elephant

FOR FODDER-CORN SEEDS.
Claims use since Jan. 1, 1893.

KYS-ITE

FOR MOLD CHARGE IN THE NATURE OF A MOLDING COMPOUND COMPRISING FIBROUS PULP IN MIXTURE WITH A PLASTIC SUBSTANCE OR SUBSTANCES ADAPTED TO BE PLACED IN CURING DIES AND BROUGHT TO FINISHED CONDITION BY THE APPLICATION OF HEAT AND MECHANICAL PRESSURE.

Claims use since Mar. 22, 1940.

CLASS 2

RECEPTACLES

Reg. No. 72,284. Registered Jan. 12, 1909. KEYES FIBRE COMPANY, Fairfield, Maine. Republished by Keyes Fibre Company (1935), Waterville, Maine, a corporation of Maine.

Paprus

FOR MOLDED PULP PLATES AND DISHES.
Claims use since June 1, 1904.

Reg. No. 72,457. Registered Jan. 26, 1909. KEYES FIBRE COMPANY, Fairfield, Maine. Republished by Keyes Fibre Company (1935), Waterville, Maine, a corporation of Maine.



FOR MOLDED PULP PLATES AND DISHES.
Claims use since Apr. 18, 1904.

Reg. No. 264,917. Registered Dec. 10, 1929. KEYES FIBRE COMPANY, INC., Waterville, Maine. Republished by Keyes Fibre Company, Waterville, Maine, a corporation of Maine.

SAVADAY

FOR PLATES AND DISHES MADE OF PAPER PULP OR FIBRE.
Claims use since July 26, 1928.

Reg. No. 269,697. Registered Apr. 15, 1930. KEYES FIBRE COMPANY, INC., Waterville, Maine. Republished by Keyes Fibre Company, Waterville, Maine, a corporation of Maine.

AMERICAN FAMILY

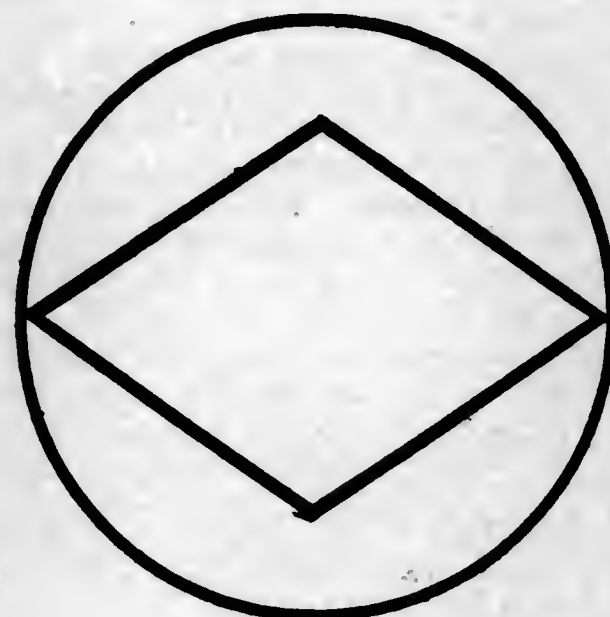
FOR PLATES AND DISHES MADE FROM PAPER PULP OR FIBRE.
Claims use since Oct. 1, 1928.

Reg. No. 272,438. Registered July 8, 1930. KEYES FIBRE COMPANY, INC., Waterville, Maine. Republished by Keyes Fibre Company, Waterville, Maine, a corporation of Maine.

SAVAPIE

FOR PLATES, DISHES, FOOD PACKING AND SHIPPING DISHES AND THEIR PARTS MADE FROM PAPER PULP OR FIBRE.
Claims use since Jan. 23, 1930.

Reg. No. 274,009. Registered Aug. 19, 1930. KEYES FIBRE COMPANY, INC., Waterville, Maine. Republished by Keyes Fibre Company, Waterville, Maine, a corporation of Maine.



FOR PLATES AND DISHES, MADE FROM PAPER PULP OR FIBRE.
Claims use since July 26, 1928.

Reg. No. 300,661. Registered Jan. 31, 1933. KEYES FIBRE COMPANY, INC., Waterville, Maine. Republished by Keyes Fibre Company, Waterville, Maine, a corporation of Maine.

PULPAK

FOR PROTECTIVE JACKETS AND FILLERS OF MOULDED PULP FOR SHIPPING, STORING AND DISPLAYING SUCH FRAGILE OR PERISHABLE ARTICLES AS BOTTLES, RADIO TUBES, INCANDESCENT BULBS, TUMBLERS, EGGS, FRUIT, AND CANDLES.
Claims use since Mar. 10, 1932.

Reg. No. 303,802. Registered June 6, 1933. KEYES FIBRE COMPANY, INC., Waterville, Maine. Republished by Keyes Fibre Company, Waterville, Maine, a corporation of Maine.

CHI-NET

FOR PLATES AND DISHES MADE OF PAPER PULP OR FIBRE.
Claims use since Jan. 28, 1933.

Reg. No. 344,854. Registered Apr. 6, 1937. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.

KYSFLAT

FOR MOULDED PULP PACKING DEVICES—NAME-
LY, EGG FLATS AND PACKING SHEETS FOR FRAG-
ILE ARTICLES.
Claims use since Oct. 16, 1936.

Reg. No. 344,855. Registered Apr. 6, 1937. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.

KYSPAD

FOR MOULDED PULP PACKING DEVICES—NAME-
LY, EGG FLATS AND PACKING SHEETS FOR FRAG-
ILE ARTICLES.

Claims use since Oct. 16, 1936.

Reg. No. 345,561. Registered May 4, 1937. KEYES FIBRE COMPANY, INC., Waterville, Maine. Republished by Keyes Fibre Company, Waterville, Maine, a corporation of Maine.
The words "Filler Flats" are disclaimed.



FOR PROTECTIVE PACKING SHEETS OF MOLDED PULP USED IN PACKING AND SHIPPING EGGS AND LIKE FRANGIBLE ARTICLES.
Claims use since Nov. 1, 1932.

Reg. No. 346,336. Registered May 25, 1937. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.

BAKOWARE

FOR CONTAINERS MADE FROM MOLDED PULP FOR BAKING OR SERVING HOT FOODS OR LIQUIDS.
Claims use since July 23, 1936.

Reg. No. 369,878. Registered Aug. 8, 1939. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.

FUL·VUE

FOR MOLDED PULP PLATES.
Claims use since May 23, 1938.

Reg. No. 383,958. Registered Dec. 31, 1940. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.

KYS-ITE

FOR RESIN-BEARING FIBROUS ARTICLES—NAME-
LY, PLATES, DISHES, TRAYS, AND CUPS.
Claims use since Mar. 22, 1940.

Reg. No. 383,977. Registered Dec. 31, 1940. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.
The notation "Padflats" is disclaimed.

KYS-PADFLATS

FOR MOULDED PULP PACKING SHEETS FOR FRAGILE ARTICLES.
Claims use since Jan. 1, 1940.

Reg. No. 395,768. Registered June 9, 1942. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.
The word "Ware" is disclaimed.

KYS-WARE

FOR RESIN-BEARING FIBROUS ARTICLES—NAME-
LY, PLATES, DISHES, TRAYS AND CUPS.
Claims use since Nov. 27, 1941.

Reg. No. 408,909. Registered Sept. 5, 1944. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.

KYS

FOR MOLDED PULP PLATES, DISHES, TRAYS, AND CUPS, AND RESIN-BEARING FIBROUS ARTICLES—
NAME-
LY, PLATES, DISHES, TRAYS, AND CUPS.
Claims use since Oct. 16, 1936; Mar. 22, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 123,723. Registered Dec. 3, 1918. JAMES S. KIRK & COMPANY, Chicago, Ill. Republished by The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio.

OMNIBUS

FOR TOILET SOAP.
Claims use since Mar. 15, 1884.

Reg. No. 125,140. Registered Apr. 15, 1919. THE HEWITT BROS. SOAP CO., Dayton, Ohio. Republished by The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio.

THRIFT

FOR FLAKED LAUNDRY SOAP.
Claims use since Mar. 1, 1918.

CLASS 5 ADHESIVES

Reg. No. 120,597. Registered Feb. 19, 1918. LIBERTY PAPER CO., New York, N. Y. Republished by Central Paper Company, Menasha, Wis., a corporation of Wisconsin.

TIEDY

FOR GUMMED PAPER TAPE.
Claims use since Sept. 16, 1915.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 128,697. Registered Jan. 13, 1920. FOLEY & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOLEY'S

FOR COLD, COUGH, LUNG AND BRONCHIAL MEDICINES, LAXATIVES AND CATHARTICS; SALVES FOR INJURIES TO AND DISEASES OF SKIN, AND TOILET CREAMS; COLIC, DIARRHEA, BOWEL, KIDNEY AND BLADDER MEDICINES; VERMIFUGE, AND PILE OINTMENTS.

Claims use since on or about Jan. 1, 1885.

Reg. No. 129,456. Registered Feb. 24, 1920. FOLEY & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOLEY

FOR COLD, COUGH, LUNG AND BRONCHIAL MEDICINES, LAXATIVES AND CATHARTICS; SALVES FOR INJURIES TO AND DISEASES OF THE SKIN, AND TOILET CREAMS; COLIC, DIARRHEA, BOWEL, KIDNEY AND BLADDER MEDICINES; VERMIFUGE, AND PILE OINTMENTS.

Claims use since on or about Jan. 1, 1885.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 110,196. Registered May 9, 1916. ARKANSAS SOFT PINE BUREAU, Little Rock, Ark., a voluntary association of Arkansas. Republished by registrant.



FOR ROUGH LUMBER, COMMON LUMBER DRESSED ON ONE SIDE ONLY, AND DRESSED LUMBER.
Claims use since Oct. 31, 1915.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 89,539. Registered Dec. 24, 1912. COLUMBIAN ENAMELING & STAMPING CO., Terre Haute, Ind. Republished by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana.



FOR ENAMELED STEEL TEAPOTS, COFFEE-POTS, AND BIGGINS, TEA-KETTLES, DUCHESS KETTLES, FOOT-BATHS, INFANTS' BATHS, CEREAL-COOKERS, SAUCEPANS, PRESERVING-KETTLES, AND ALL OTHER GOODS MENTIONED IN REGISTRATION.
Claims use since January 1907.

CLASS 19 VEHICLES

Reg. No. 110,814. Registered June 13, 1916. DIAMOND T MOTOR CAR COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DIAMOND

FOR MOTOR CARS AND TRUCKS.
Claims use since Sept. 1, 1906.

Reg. No. 110,816. Registered June 13, 1916. DIAMOND T MOTOR CAR COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR MOTOR CARS AND TRUCKS.
Claims use since Sept. 1, 1906.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 127,168. Registered Oct. 21, 1919. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

"DIRECTOR"

FOR GOLF BALLS.
Claims use since Mar. 4, 1919.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 395,599. Registered June 2, 1942. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.



FOR MOLDED RESIN-BEARING FIBROUS FRAMES, COVERS AND MISCELLANEOUS DETAIL PARTS FOR TYPEWRITERS, ADDING MACHINES, CALCULATING MACHINES AND LIKE BUSINESS MACHINES.
Claims use since Oct. 28, 1941.

Reg. No. 82,950. Registered Aug. 8, 1911. E. C. ATKINS AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.



FOR SAWS OF ALL KINDS.
Claims use since May 1878.

Reg. No. 121,419. Registered Apr. 30, 1918. DIAMOND T MOTOR CAR COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR MOTOR CARS AND TRUCKS.
Claims use since Sept. 1, 1906.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 78,096. Registered May 31, 1910. HEMINGRAY GLASS CO., Muncie, Ind., and Covington, Ky. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.

HEMINGRAY

FOR ELECTRIC, TELEGRAPH, TELEPHONE, CABLE, STREET-RAILWAY, AND FLOOR INSULATORS, AND BREAK-KNOBS OF GLASS.
Claims use since 1870.

Reg. No. 110,933. Registered June 20, 1916. THE ROBBINS & MYERS COMPANY, Springfield, Ohio. Republished by Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio.



FOR ELECTRIC FANS, MOTORS, DYNAMOS, GENERATORS, AND COMBINATIONS OF MOTORS AND GENERATORS.
Claims use since Jan. 1, 1915.

Reg. No. 125,962. Registered July 22, 1919. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant, present location Des Plaines, Ill.

BENJAMIN

FOR WIRELESS PLURAL RECEPTACLES; REFLECTOR SOCKETS; SKELETON REFLECTOR HOLDERS AND OTHER NAMED ITEMS.
Claims use since May 1, 1918.

Reg. No. 92,033. Registered June 17, 1913. E. C. ATKINS AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

ATKINS

FOR THE GOODS NAMED IN THE ORIGINAL REGISTRATION.
Claims use since 1857.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 73,745. Registered May 18, 1909. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Ariston

FOR WATCHES.
Claims use since about June 1908.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 121,180. Registered Apr. 16, 1918. THE GLOBE-WERNICKE CO., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Globe-Wernicke

FOR BOOKCASES, FILING-CABINETS, FILING CASES, AND OFFICE-CABINETS AS ARTICLES OF OFFICE FURNITURE.
Claims use since May 1894.

CLASS 37

PAPER AND STATIONERY

Reg. No. 109,899. Registered Apr. 25, 1916. INLAND EMPIRE PAPER COMPANY, Millwood, Wash. Republished by Zellerbach Paper Company, San Francisco, Calif., a corporation of California.
The word "Bond" is disclaimed.

BARONET BOND

FOR WRITING AND BOND PAPERS.
Claims use since Apr. 1, 1914.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 92,944. Registered Aug. 12, 1913. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

The Business Builder

FOR MONTHLY PERIODICAL.
Claims use since March 1906.

Reg. No. 125,953. Registered July 22, 1919. ARMSTRONG CORK COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant, present location Manheim Township, Lancaster County, Pa.

INOLEVM LOGIC

FOR PUBLICATIONS ISSUED REGULARLY BI-MONTHLY.
Claims use since April 1915.

Reg. No. 417,743. Registered Nov. 13, 1945. KEYES FIBRE COMPANY, Waterville, Maine, a corporation of Maine. Republished by registrant.
The word "Items" is disclaimed.

KYS-ITEMS

FOR PRINTED PUBLICATION IN THE NATURE OF A HOUSE ORGAN PUBLISHED FROM TIME TO TIME.
Claims use since August 1943.

CLASS 39

CLOTHING

Reg. No. 119,771. Registered Dec. 11, 1917. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PIONEER JUNIOR

FOR COMBINATION SUSPENDERS AND GARTERS.
Claims use since June 29, 1917.

Reg. No. 120,057. Registered Jan. 8, 1918. ARMSTRONG CORK COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant, present location Manheim Township, Lancaster County, Pa.

LINOSOLE

FOR SLIP-INSOLES FOR SHOES.
Claims use since July 31, 1917.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 109,530. Registered Apr. 11, 1916. GOLDMAN COSTUME CO., New York, N. Y. Republished by M. & W. Thomas Co., New York, N. Y., a firm.

WINDBREAKER

FOR MEN'S SHIRTS FOR OUTER WEAR.
Claims use since Jan. 15, 1918.

Reg. No. 124,550. Registered Feb. 25, 1919. THE KROHN-FECHHEIMER CO., Cincinnati, Ohio. Republished by The United States Shoe Corporation, Cincinnati, Ohio, a corporation of Ohio.



FOR LADIES' LEATHER SHOES.
Claims use since October 1898.

Reg. No. 128,990. Registered Jan. 20, 1920. O. C. HANSEN MFG. CO., Milwaukee, Wis. Republished by Hansen Glove Corporation, Milwaukee, Wis., a corporation of Wisconsin.

CORKER

FOR GLOVES.
Claims use since Feb. 14, 1911.

Reg. No. 130,463. Registered Apr. 27, 1920. BENJAMIN & JOHNES, Newark, N. J. Republished by Benjamin & Johnes, Inc., Newark, N. J., a corporation of New Jersey.

BIENJOLIE

FOR CORSETS, BRASSIÈRES, AND WOMEN'S UNDERWEAR OF KNITTED OR TEXTILE FABRIC.
Claims use since 1909.



FOR SILK PIECE GOODS.
Claims use since Apr. 15, 1915.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 40,619. Registered June 16, 1903. CALEB D. BRADHAM, Newbern, N. C. Republished by Pepsi-Cola Company, Long Island City, N. Y., a corporation of Delaware.

Pepsi-Cola

FOR FLAVORING-SYRUP FOR SODA WATER.
Claims use since Aug. 1, 1901.

Reg. No. 111,508. Registered July 18, 1916. THE PEPSI-COLA CO., Newbern, N. C. Republished by Pepsi-Cola Company, Long Island City, N. Y., a corporation of Delaware.

Pepsi

FOR FLAVORING SYRUP FOR SODA WATER.
Claims use since Nov. 21, 1911.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 72,123. Registered Jan. 5, 1909. WAUKESHA CANNING Co., Waukesha, Wis. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

PICK OF THE PACK



FOR CANNED PEAS.
Claims use since July 1, 1907.

Reg. No. 72,693. Registered Feb. 9, 1909. WAUKESHA CANNING Co., Waukesha, Wis. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.



FOR CANNED PEAS AND CANNED CORN.
Claims use since July 1, 1900.

Reg. No. 72,695. Registered Feb. 9, 1909. WAUKESHA CANNING Co., Waukesha, Wis. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

Menu Brand



FOR CANNED PEAS, CANNED CORN, AND CANNED TOMATOES.
Claims use since July 1, 1900.

Reg. No. 73,121. Registered Mar. 16, 1909. WAUKESHA CANNING Co., Waukesha, Wis. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

OLD ABE

FOR CANNED PEAS, CORN, AND TOMATOES.
Claims use since July 1, 1894.

Reg. No. 75,493. Registered Oct. 5, 1909. WAUKESHA CANNING Co., Waukesha, Wis. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.



FOR CANNED PEAS.
Claims use since July 1, 1907.

Reg. No. 84,819. Registered Jan. 9, 1912. THEO. H. DAVIES COMPANY LTD., Honolulu, Territory of Hawaii. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

Peter Pan

FOR CANNED PINEAPPLE.
Claims use since Nov. 10, 1910.

Reg. No. 112,658. Registered Sept. 19, 1916. THE FRANKLIN SUGAR REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



The words "Extra Fine," "Granulated," "Sugar" and "Standard of Purity" are disclaimed.
FOR GRANULATED SUGAR.
Claims use since Dec. 18, 1899.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 40,948. Registered Aug. 18, 1903. WM. J. LEMP BREWING Co., St. Louis, Mo. Republished by Falstaff Brewing Corporation, St. Louis, Mo., a corporation of Delaware.



The word "Flour" is disclaimed.
FOR WHEAT FLOUR.
Claims use since September 1914.

Reg. No. 119,428. Registered Nov. 20, 1917. THE BUCKEYE COTTON OIL Co., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

BUCKEYE

FOR COTTONSEED ROUGHAGE.
Claims use since Jan. 1, 1916.

Reg. No. 121,208. Registered Apr. 16, 1918. B. A. RAILTON Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

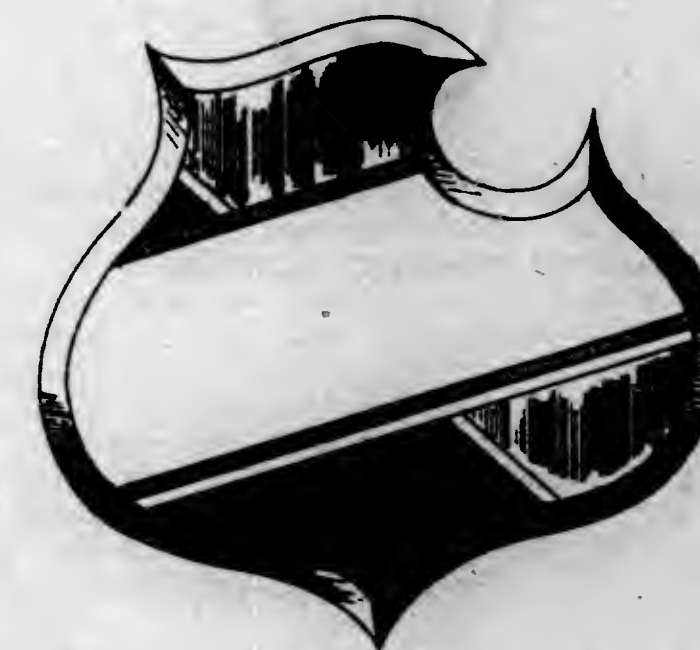


FOR PREPARED MUSTARD, INDIA RELISH, SALAD-DRESSING, CHILI SAUCE, CANE AND MAPLE SYRUP.
Claims use since Feb. 1, 1914.

Reg. No. 121,537. Registered May 7, 1918. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present location New York, N. Y.

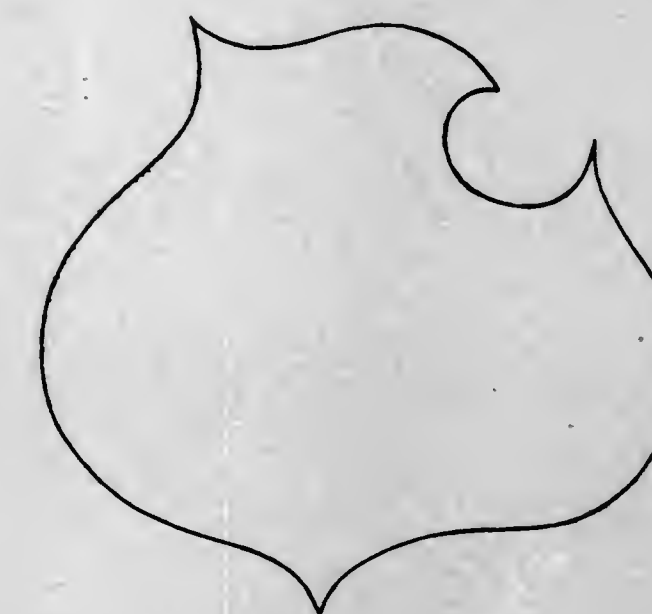
dixiano

FOR SYRUP FOR USE AS A FOOD.
Claims use since Nov. 21, 1917.



FOR BEER.
Claims use since March 1896.

Reg. No. 40,949. Registered Aug. 18, 1903. WM. J. LEMP BREWING Co., St. Louis, Mo. Republished by Falstaff Brewing Corporation, St. Louis, Mo., a corporation of Delaware.



FOR BEER.
Claims use since March 1896.

CLASS 50
MERCHANDISE NOT OTHERWISE
CLASSIFIED

Reg. No. 128,612. Registered Jan. 13, 1920. **ARMSTRONG CORK COMPANY**, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant, present location Manheim Township, Lancaster County, Pa.



FOR BOTTLE AND PRESCRIPTION CORKS OF ALL KINDS.

Claims use since June 24, 1919.

Reg. No. 408,864. Registered Aug. 29, 1944. **KEYES FIBRE COMPANY**, Waterville, Maine, a corporation of Maine. Republished by registrant.

KYS

FOR MOLDED PULP PROTECTIVE PACKING SHEETS AND PADS USED IN PACKING AND SHIPPING FRAGILE ARTICLES.

Claims use since Oct. 16, 1936.

REISSUES

JANUARY 13, 1948

22,963
PROCESSES FOR RESOLVING OIL-IN-WATER EMULSIONS

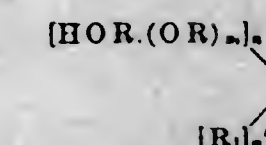
Louis T. Monson, Alhambra, William W. Anderson, Montebello, and Fred W. Jenkins, Los Angeles, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 2,407,895, dated September 17, 1946, Serial No. 557,374, October 5, 1944. Application for reissue November 24, 1947, Serial No. 787,868.

8 Claims. (Cl. 252—344)

1. A process for breaking petroleum emulsions of the oil-in-water type, characterized by subjecting the emulsion to the action of a surface-

active heat-polymerized aminoalcohol of the formula:



wherein OR is an alkylene oxide radical having not over 4 carbon atoms and selected from the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals, glycid radicals, and methyl glycid radicals; R₁ is a member of the class consisting of hydrogen atoms and alkyl radicals having 6 carbon atoms or less; m represents a numeral varying from 0 to 3; n represents the numeral 2 or 3; and n' represents the numeral 0 or 1, with the proviso that n+n'=3; said heat-polymerized compound being selected from the class consisting of the anhydro base, the hydrated base, and salts.

PLANT PATENTS

GRANTED JANUARY 13, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

779
RASPBERRY PLANT
Lawrence Marston Toms, Nevada, Iowa, assignor to Inter-State Nurseries, Hamburg, Iowa
Application September 26, 1946, Serial No. 699,472
1 Claim. (Cl. 47—62)

A new and distinct variety of raspberry plant, characterized as to novelty by the restricted

606 O. G.—17

growth of the canes; the habit of such canes of producing unusually long fruiting stems throughout the entire length thereof; hardiness and extreme resistance of the plant to disease; and prolific bearing of large berries of fine quality and bright red color, becoming darker when over-ripe, over a long period of time, substantially as shown and described.

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PATENTS

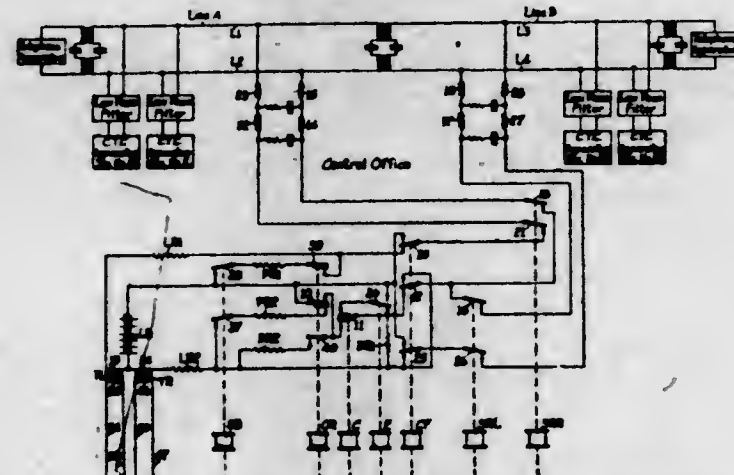
GRANTED JANUARY 13, 1948

2,434,240

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

William M. Barker, Greece, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application January 21, 1947, Serial No. 723,285
8 Claims. (Cl. 177-353)



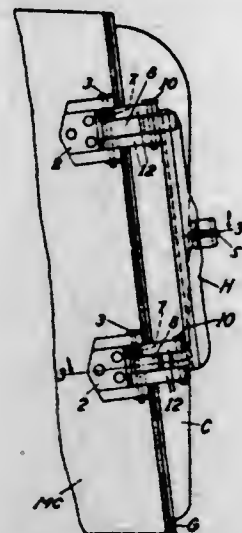
1. In a centralized traffic control system for railroads, a line circuit maintaining end-to-end continuity at all times for alternating current communication purposes, said line circuit comprising two line portions inductively coupled at an intermediate control office through a high-pass filter, a plurality of field stations associated with each line circuit portion, each field station being effective at times to apply a shunt across its associated line portion through a low-pass filter, a source of direct current at said control office normally effective to energize both of said line portions, and means at said control office responsive to the shunting of one of said line portions by one of said field stations for isolating the other of said line portions for the duration of a cycle of operation of the system.

2,434,241

MEANS FOR MOUNTING COVERS ON MECHANISM CASES

Frank S. Craig, Chili, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application September 29, 1944, Serial No. 556,303
1 Claim. (Cl. 292-256)



In an organization providing interchangeable hinging and fastening means for a non-symmetrical cover associated with a mechanism casing of corresponding symmetry, a pair of spaced guide pins attached to each side of the mechanism casing, a pair of correspondingly spaced slotted

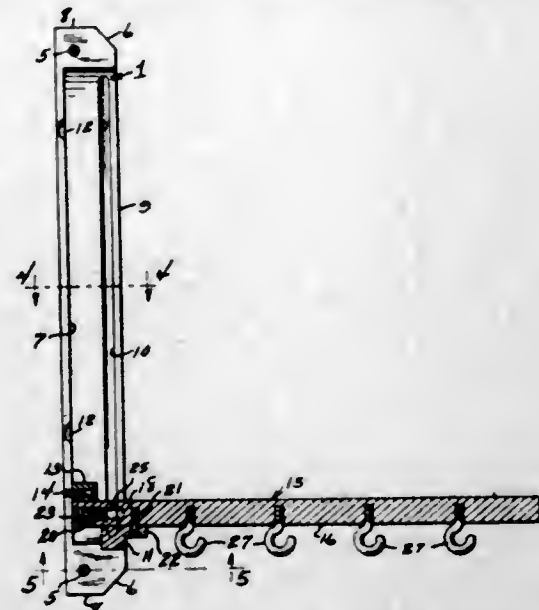
guide lugs on each side of the cover and adapted to receive said guide pins within their respective slots for centering the cover with respect to the casing but said slots being sufficiently deep so that the guide pins do not rest in the base of the slots when said cover is in a closed position, a pair of hinge spring links adapted to be received by the respective guide pins on either selected side of said casing and pivotally attached to said cover on that side, a pair of locking spring links adapted to be received by the respective guide pins on either selected side of said casing but located on that side opposite to the side selected for said hinge links, said locking spring links having open ended hooks, a hasp member adapted at one end to be pivotally attached on either selected side of said cover but located on that side selected for said locking spring links, said hasp member having means at one side of its pivot point to receive said open ended hooks of said locking spring links to give a toggle action to said hasp member when moved to a closed position, and a single staple located at the center of said cover and adapted to receive the free end of the hasp member when it is in a closed position regardless of the side of the cover selected for its mounting, whereby said cover is held in a closed position by both pairs of spring links when the hasp member is in a closed position but when the hasp member is in an open position the hinge spring links act to cause the slotted lugs to seat on said guide pins and act as hinge members throughout the limits of the swinging movement of said cover, and whereby the parts forming the hinging and fastening organization are interchangeable from one side of the cover and casing to the opposite side so as to provide for hinging the cover for opening in the desired direction.

2,434,242

SPACE MISER CLOTHES RACK

Bernard P. Hermes, Los Gatos, Calif.

Application March 22, 1945, Serial No. 584,171
10 Claims. (Cl. 211-99)



1. A garment rack comprising a support formed with a longitudinal cavity opening at the front of the support, and key slots formed in the side walls of the cavity, an elongated rack having a body pivotally and slidably mounted in the support, a pivot bar having resilient mounting means carried by the rack body fitting in the key slots,

JANUARY 13, 1948

U. S. PATENT OFFICE

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said body being foldable from a position at an angle to the support with one face directed downwardly, to a position with said face directed into the cavity and the other face of the body flush with the support, hanger hooks on the first face of the rack body, a stop mounted on the lower end of the support to engage the end of the rack body, and a block on the body engaging the lower end of the cavity, and holding said body at an angle to the support.

2,434,243

BITUMINOUS EMULSIONS

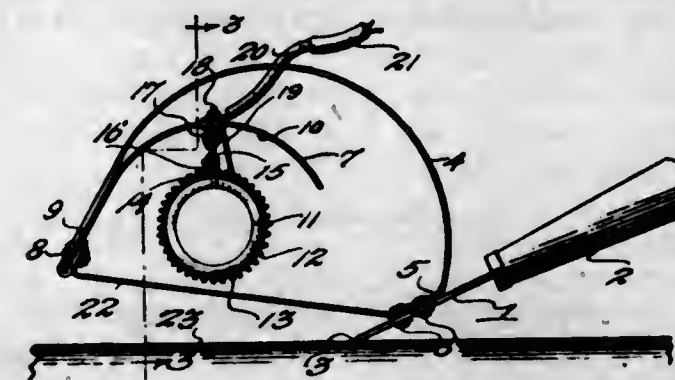
Sixten Magnus Hjelte, Stockholm, Sweden
No Drawing. Application August 30, 1944, Serial No. 552,017. In Sweden July 31, 1942
23 Claims. (Cl. 106-123)

3. A new emulsion, comprising a pitchy residue from the distillation of tall-oil, precipitated calcium carbonate and from 1 to 5% by weight of a double salt of calcium carbonate and sodium carbonate, said carbonate and double salt being coprecipitated from a paper pulp lime sludge, said above components being emulsified in water containing a protective colloid.

2,434,244

PAINT AND VARNISH SCRAPER

Birger L. Johnson, Bozeman, Mont.
Application January 15, 1946, Serial No. 641,200
1 Claim. (Cl. 219-29)



A paint and varnish scraper comprising, in combination, a scraper blade and a handle thereon, an arcuate support arm secured at one end thereof to said blade adjacent the scraping edge, said arm extending upwardly and forwardly with respect to said edge, an arcuate reflector plate under said arm, the under surface of said plate being upwardly concaved with its axis of concavity extending in advance of and in parallel with said edge, one side of said plate being secured to the remaining end of said arm, a cylindrical, electric heating element in the concavity of said plate and parallel therewith, an annular clamp adjacent each end of said element, an upwardly projecting bracket integral with each of said clamps, a pair of insulated terminals, each of said terminals securing one of said brackets to the under surface of said plate, an electric conductor connected to each of said terminals, and a chordal brace extending between the ends of said arm.

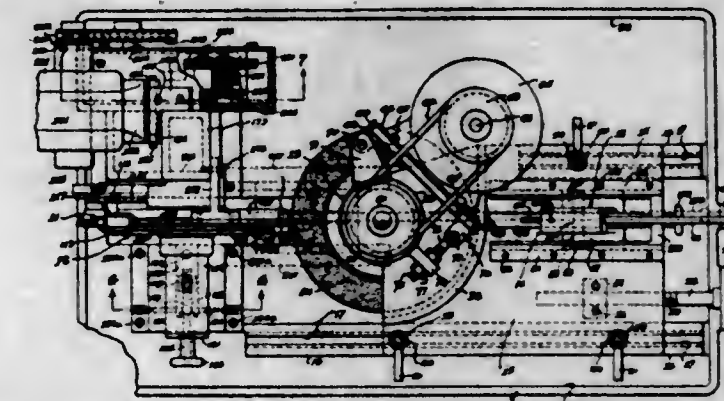
2,434,245

GRINDING MACHINE

Glen F. Johnson, Detroit, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan
Application February 16, 1946, Serial No. 648,050
15 Claims. (Cl. 51-74)

2. A machine for end-grinding elongated articles comprising a rotary grinder, a rotary article holder thinner than said articles and having peripheral article holding recesses open laterally

to expose the sides of said articles, said rotary article holder being positioned to move the ends of said articles across said grinder, a rotary driving element mounted on one side of said article holder and engageable with the exposed sides of said articles for rotating said articles around their longitudinal axes while being moved across said



grinder, a rotary pressure member mounted on the other side of said article holder and engaging the opposite sides of said articles for urging them into engagement with said driving element, a power source, and power-transmitting mechanism drivingly and rotatively connecting said rotary holder and said rotary driving element to said power source.

2,434,246

SYNTHESIS OF ALDEHYDES AND LACTONES

Roland Kapp, Newark, Frank D. Pickel, Bogota, and Louis T. Rosenberg, Ridgefield Park, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application December 13, 1941, Serial No. 422,868
1 Claim. (Cl. 260-344)

In the process of synthesizing α -hydroxy- β , β -dimethyl- γ -butyrolactone, the step which comprises extracting the same from the aqueous reaction mass in which it is produced by dissolving said lactone in ethylene dichloride.

2,434,247

PRODUCTION OF ELASTIC NYLON ARTICLES

John Richard Lewis, David McCreath, and Reginald John William Reynolds, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 23, 1945, Serial No. 606,700. In Great Britain August 15, 1944
5 Claims. (Cl. 8-115.5)

1. A process for obtaining elastic nylon articles which comprises heating under substantially anhydrous conditions at a temperature of from 80° C. to 150° C. the nylon article in essentially undrawn state in the form of a filament, bristle, yarn, and the like in contact with an acidic catalyst, a volatile monohydric alcohol in the form of a vapor, and formaldehyde in the form of a vapor, and continuing said heating until the nylon contains on the basis of its weight at least 4% of combined formaldehyde.

1. A process for obtaining elastic nylon articles which comprises heating under substantially anhydrous conditions at a temperature of from 80° C. to 150° C. the nylon article in essentially undrawn state in the form of a filament, bristle, yarn, and the like in contact with an acidic catalyst, a volatile monohydric alcohol in the form of a vapor, and formaldehyde in the form of a vapor, and continuing said heating until the nylon contains on the basis of its weight at least 4% of combined formaldehyde.

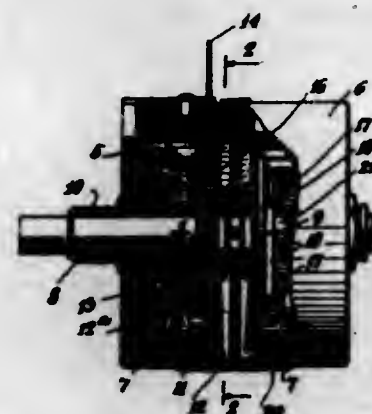
2,434,248

COUPLING FOR POTENTIOMETERS

George J. Mucher, Brooklyn, N. Y., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York
Application May 19, 1945, Serial No. 594,776
1 Claim. (Cl. 173-324)

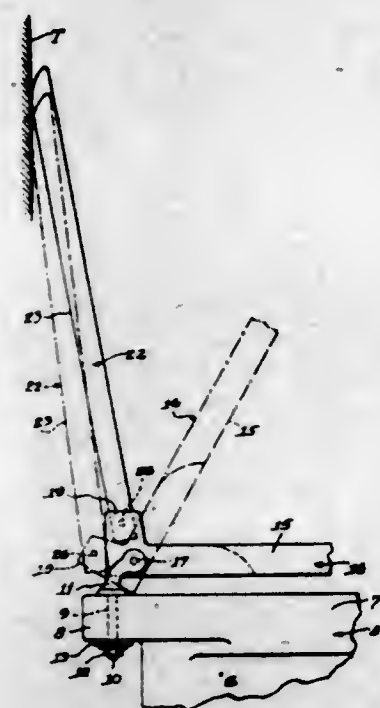
A coupling for electrical instruments having rotary contact members, said coupling compris-

ing brackets secured to each of said contact members and a bridging element for relative connection of said brackets, the brackets including



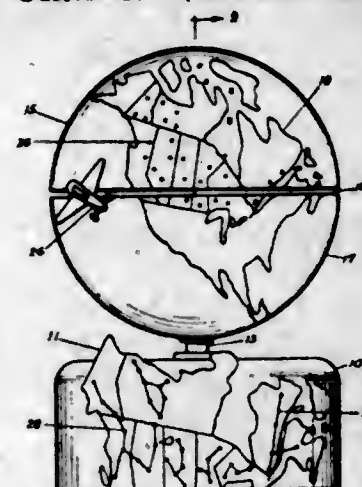
spaced enlargements, and the bridging element including jaw forming portions adapted to engage the said brackets at the area between said enlargements.

2,434,249
COMBINED TOILET SEAT AND COVER
Nels L. Olson, Detroit, Mich.
Application April 2, 1945, Serial No. 586,079
2 Claims. (Cl. 4—234)



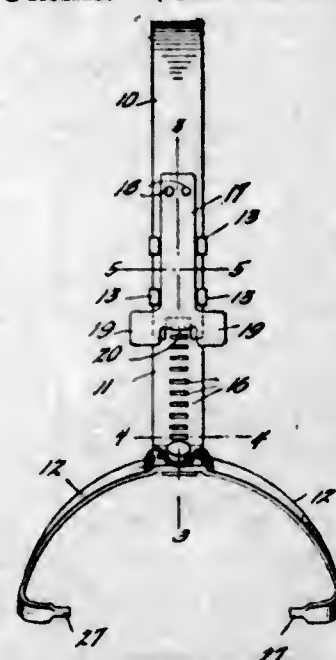
1. A combination toilet seat and cover for a toilet bowl comprising a toilet seat having a rearward-extending portion, a pair of hinge brackets for attachment to the rear portion of said toilet bowl having hinge members hingedly connecting said brackets to said rearwardly-extending portion, a pair of laterally-spaced upstanding projections on said rearwardly-extending portion, a seat cover having a rearwardly-extending member hingedly disposed between said projections, and hinge members hingedly connecting said rearwardly extending member to said projections, said cover hinge members being offset upwardly and rearwardly from said seat hinge members such that a plane passing therethrough is inclined rearwardly when said seat is in its lowered position on said toilet bowl, whereby the weight of said seat cover in its raised position will exert a downwardly-acting counterbalancing force on said seat in a direction rearwardly of its hinge connection to said hinge brackets during the raising of said seat and in the raised position thereof so as to counteract the tendency of said seat to accidentally fall from its raised position.

2,434,250
ADVERTISING DISPLAY STAND IN THE FORM OF A GLOBE
Carl Rebus, Edmonton, Alberta, Canada
Application February 20, 1946, Serial No. 648,974
In Canada November 20, 1944
4 Claims. (Cl. 40—126)



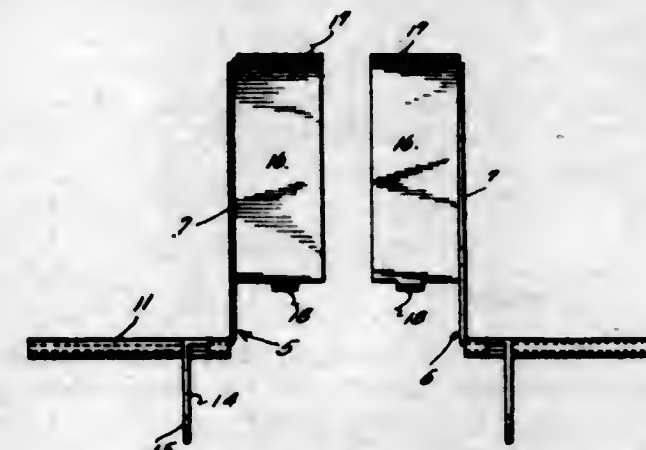
1. In an advertising display stand, a base, a map mounted on one side of the said base, a globe formed of two sections and having a circumferential space therebetween, a fixed shaft projecting upwardly from said base and into said globe and supporting the latter, a motor supported in one of said globe sections, intermeshing gears supported in one of said globe sections and operated by said motor, a main gear journaled on said fixed shaft and operated by said intermeshing gears, a driven shaft connected to said main gear and projecting through the space formed by globe sections and extending therebeyond, a model aircraft secured to the free end of said driven shaft, and lumination means on said globe and adapted to be controlled through the movements of said aircraft.

2,434,251
TELEPHONE HEADBAND
Herbert R. Warnke, East Orange, N. J., assignor to United States Instrument Corporation, East Orange, N. J., a corporation of New Jersey
Application February 6, 1946, Serial No. 645,746
1 Claim. (Cl. 179—156)



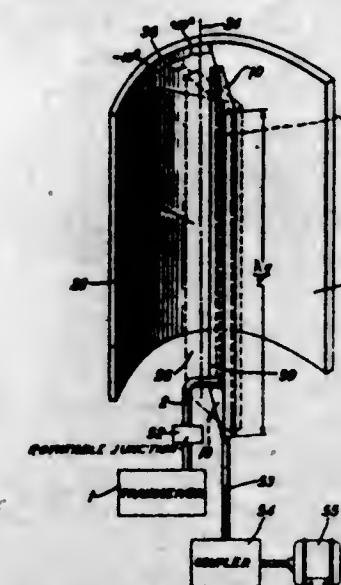
In a telephone head-band device, a band member of relatively thin resilient material and generally semi-circular in form, an adjusting member slidably engaging an end of said band member, said adjusting member having substantially the same curvature as said band member and having a series of spaced slots, a leaf spring secured at one end to said band member and having a lateral projection at its free end for selective engagement with said slots, and instrument supporting means carried by the free end of said adjusting member.

2,434,252
COMBINED SHADE AND CURTAIN BRACKET AND VENETIAN BLIND HOLDER
Matthew Whitfield, Erlanger, Ky.
Application April 26, 1945, Serial No. 590,422
2 Claims. (Cl. 248—271)



1. A combination window frame fixture for supporting a Venetian blind, a curtain and drapery supporting rod, and a shade roller, said fixture comprising an attaching plate adapted for attachment to the inside of said frame in horizontally extending position, an edge shelf on said plate extending horizontally therefrom and adapted to support one end of the Venetian blind, a channeled member extending from one end of the plate at a right angle thereto and adapted to extend across the front of said frame, and means adapted to support a curtain and drapery rod removably mounted in said channeled member and slidably adjustable along the same, said plate including a forwardly projecting arm adapted to support one end of the shade roller.

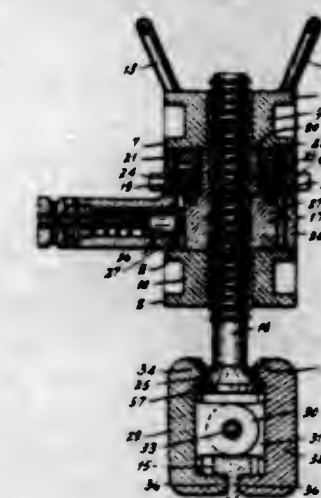
2,434,253
DIRECTIVE CENTIMETRIC ANTENNA
Alfred C. Beck, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 21, 1943, Serial No. 499,453
16 Claims. (Cl. 250—11)



1. A lobe sweeping antenna comprising a rectangular wave guide having a longitudinal slot antenna, a transceiver connected to said guide, and means for moving said guide about a longitudinal guide axis.

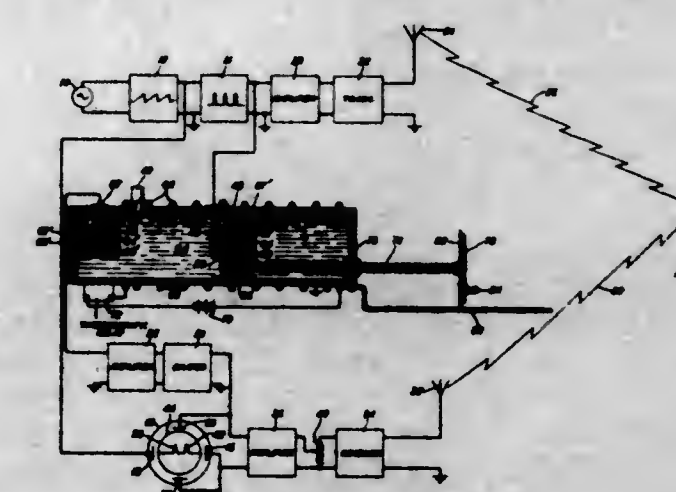
2,434,254
RAIL LEVELER
Dale A. Benner, Alton, Ill.
Application July 8, 1944, Serial No. 544,015
1 Claim. (Cl. 153—38)
A rail leveler having an arcuate frame with bifurcated ends arranged and adapted to fit upon the top of a rail, two axially aligned tubular

bosses, integral with the frame midway of its ends and spaced from each other thereby providing an intervening space, a screw shaft journaled in and extending through the bosses, a nut threaded on the shaft between said bosses in said intervening space, a circular head on the lower end of the screw shaft, a pair of jaw members pivoted together as levers of the first class with their upper ends engaging about said cir-



cular head thereby providing a swivel connection between the shaft and the jaw members and the bottom ends of the jaw members, arranged and adapted to engage the underside of the bail of the rail, and means for rotating said nut, whereby upon rotating the nut the screw shaft and with it the jaw members will be raised to lift that portion of the rail engaged by the jaw members relative to the portions engaged by the ends of the frame.

2,434,255
TEMPERATURE COMPENSATED WAVE PROPAGATION DEVICE
Walter L. Bond, Brooklyn, N. Y., and Gerald W. Willard, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 7, 1943, Serial No. 486,006
12 Claims. (Cl. 178—44)

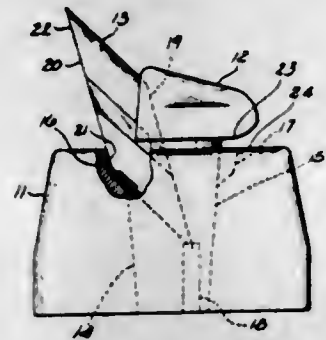


1. A wave propagation device which comprises a fluid mixture of at least three components, one of said components having a temperature coefficient of propagation velocity which is of one sign over a specified range of temperatures and velocities and the others of said components having temperature coefficients of propagation velocity of opposite sign over said range, said components being present in said mixture in such proportions as to give a substantially zero temperature coefficient of wave propagation velocity at a pre-assigned temperature and at a preassigned propagation velocity.

2,434,256

WEDGE-GRIP HOLDER FOR BITS

Charles L. Bowman, Canton, Ohio, assignor to
The Bowdill Company, a corporation of Ohio
Application June 7, 1945, Serial No. 598,055
2 Claims. (Cl. 262—33)

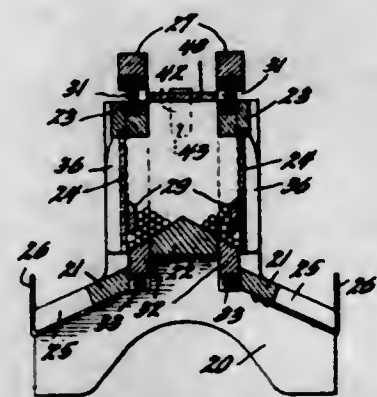


1. In a chain lug block having a recess extending downwardly from the top thereof, the improvement of a bit holder receivable in said recess, a bit to fit into said holder, said holder having a bit receiving portion with inner wall surfaces to receive said bit and a shank portion, said shank portion and said recess having complementary tapered walls forming a wedge-grip fit therebetween to hold the shank portion in said recess and to arrest inward movement of said holder into said recess to maintain a fixed cutting gauge for said bit, said recess having at its entrance an inclined slot on one side thereof with a bottom wall meeting with the top of the lug block, said bit having a forwardly and outwardly projecting cutting face, said holder maintaining said bit in a cutting position with a portion of the cutting face disposed within the inclined slot and a portion thereof extending therefrom and constituting an active cutting face of said bit, said holder maintaining said bit cutting face within the inclined slot at a distance away from the bottom wall thereof, whereby a space is left therebetween to prevent wedging of the bit in the inclined slot before the inward movement of the holder into the recess is arrested by the wedge-grip fit between the shank portion and the recess.

2,434,257

DISPENSING DEVICE FOR SLENDER ARTICLES

Nathan Burch, Irvington, Ky.
Application January 13, 1947, Serial No. 721,712
17 Claims. (Cl. 312—83)

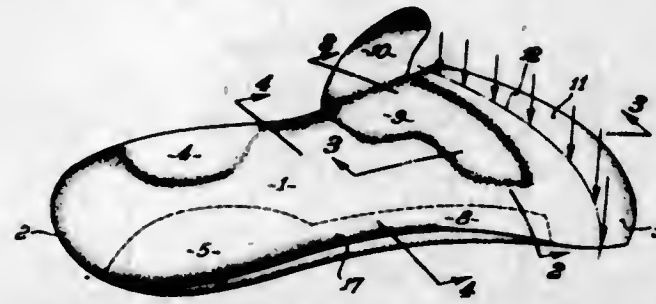


1. A dispensing mechanism comprising a casing having a storage compartment with an outlet passage at its lower end, main and auxiliary plungers movable across said passage to open and close the same, said plungers having between them a space forming a part of said passage, yieldable means to force the plungers in one direction, and lost motion connections between said plungers for permitting the main plunger to approach the auxiliary plunger and reduce said space upon actuation of the main plunger.

2,434,258

BODY WEIGHT DISTRIBUTING SHOE PAD CONSTRUCTION

William C. Burns, Santa Anna, Calif.
Application April 16, 1946, Serial No. 662,550
3 Claims. (Cl. 36—71)

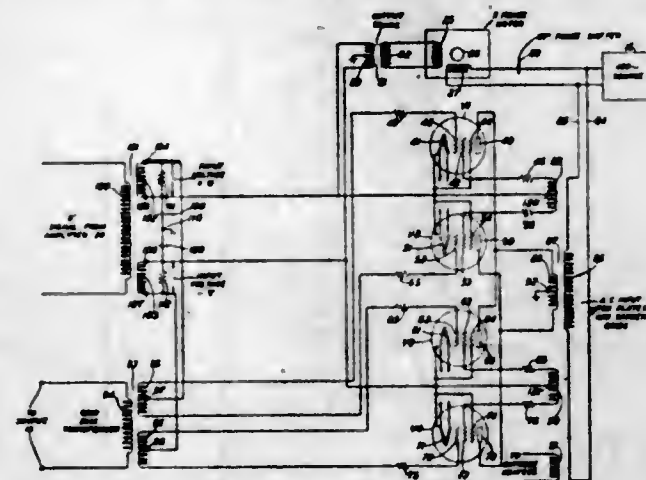


1. In a removable pad structure provided with elevated portions adapted to underlie specific zones of a wearer's foot when used in a shoe, to establish a desired body-weight distribution, such elevated portions including portions adapted to lie subjacent the metatarsals posteriorly of the metatarsal-phalangeal articulations, the construction which comprises: means defining a thin weight-bearing portion of substantially uniform thickness extending transversely of said structure anteriorly of said elevated portions which are adapted to lie subjacent the metatarsals and thereby adapted to underlie the metatarsal-phalangeal articulations of the foot, and means defining an upwardly extending cushion member at the lateral margin of such a pad structure adapted to bear against the lateral margin of the foot posteriorly of the fifth metatarsal-phalangeal articulation, said cushion member being flexibly attached to said removable pad structure.

2,434,259

CIRCUIT ARRANGEMENT UTILIZING A PLURALITY OF ELECTRON DISCHARGE DEVICES

Everett T. Burton, Millburn, N. J., assignor to
Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 22, 1943, Serial No. 491,789
13 Claims. (Cl. 250—27)



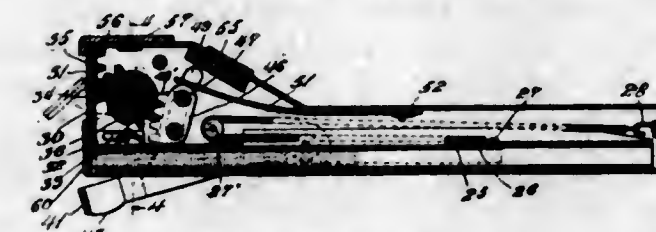
1. In combination, four unilaterally conducting discharge devices each including an anode, a cathode and a control element, means for simultaneously applying to both the control element and anode of any selected one of said devices such potentials respectively with respect to the cathode as to permit current to flow through said device and at the same time to apply to the control elements and anodes of the remaining devices such potentials with respect to the respective cathodes that no current flows through said devices, said means comprising means for applying the same alternating voltage between the cathode and anode of each of said devices, the phase thereof being the same in two of said devices and opposite thereto in the other two of

said devices, means for applying simultaneously with the application of said alternating voltage a second alternating voltage between the respective cathodes and control elements of all of said devices, said second alternating voltage being of the same frequency as said first-mentioned voltage and opposite in phase thereto in each of said devices, and means for applying a third alternating voltage between said cathodes and control elements which at times is more nearly in phase with said second voltage in two of said devices than in the other two and at other times more nearly in phase with said second voltage in the other two of said devices than in said first two, and means for producing a combined effect from all the currents flowing through said devices.

2,434,260

IMPLEMENT FOR DRIVING STAPLES

John F. Cavanagh, Providence, R. I., assignor to
John F. Cavanagh and Agnes L. Cavanagh, as joint tenants
Application June 26, 1945, Serial No. 601,658
4 Claims. (Cl. 1—49)

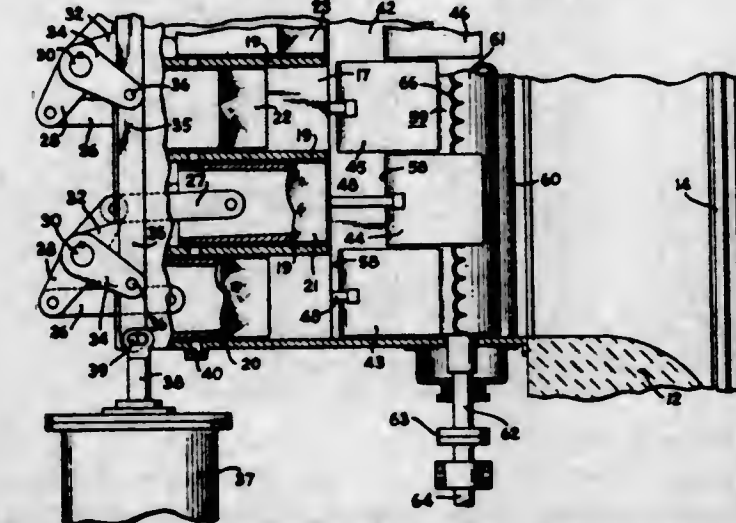


1. An implement for driving staples or the like comprising a casing, a driving member slidably mounted in said casing adjacent one end thereof and provided with rack teeth in the plane of movement of the driving end, a striker pivoted by said casing at a point remote from said casing end and gear teeth on an arc with said pivot as a center which are responsive to movement of said striker, said striker extending from said pivot to a location in proximity to the path of movement of said driving member, a pinion having teeth to mesh with said gear teeth and with said rack teeth of said driving member and pivoted in said casing adjacent said member between said teeth whereby movement of said striker transfers movement in the opposite direction to said driving member.

2,434,261

SPREADER STOKER APPARATUS

Stuart H. Chapman, Lima, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 21, 1943, Serial No. 499,525
2 Claims. (Cl. 110—115)



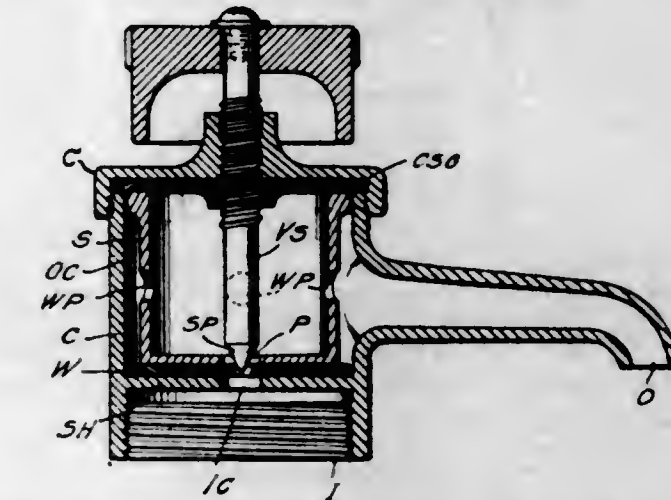
1. In a stoker, fuel-feeding means comprising a rotatable body member and a plurality of U-shaped fuel-impelling members carried by the body member with the legs of the U-members extending forwardly in the direction of rotation and the concaved bottoms of said U-members being

curved about axes extending substantially radially of the axis of rotation of the body member, whereby the concave portions of the U-members engage the fuel and direct the substantial portion thereof normal to a plane including the axis of rotation of the body member.

2,434,262

REMOVABLE VALVE SEAT AND SLEEVE

John J. Delany, Brooklyn, N. Y., and Jesse D. Langdon, Long Beach, Calif.
Application July 27, 1944, Serial No. 546,874
1 Claim. (Cl. 251—156)



A valve comprising a casing closed at one end and open at the other end, the closed end having a port to provide an inlet and a shoulder around said inlet, an outlet in the side wall of said casing, a rigid sleeve closed at one end and open at the other end, said sleeve being mounted in said casing and having a port in its closed end adjacent to and coaxial with the port in said casing and having its side wall perforated to provide communication between said inlet and said outlet, a removable valve seat member of comparatively soft flexible material having a port of smaller diameter than the ports of said casing and said sleeve and coaxial therewith, said valve seat member being secured between the closed end of said sleeve and said shoulder, a diaphragm extending across the open end of said casing, a cap mounted over the open end of said casing outside of said sleeve and serving to clamp the periphery of said diaphragm to said casing to prevent leakage between said casing and said cap, a valve stem threadedly disposed thru said cap and said diaphragm, a valve seat-engaging portion formed on the inner end of said stem to seat on the wall of the port in said valve seat member, that portion of the valve seat member projecting radially inwardly of the walls of the ports thru said casing and said sleeve being free to flex against the valve seat-engaging portion of said stem under the influence of fluid pressure, and that portion of said valve seat member between said casing and said sleeve serving as a gasket to prevent leakage between said casing and said sleeve.

2,434,263

DETERMINING UPPER AIR WIND CONDITIONS BY RADIO DIRECTION FINDING

Harry Diamond and Francis W. Dunmore, Washington, D. C., and Wilbur S. Hinman, Jr., Falls Church, Va., assignors to the United States of America, as represented by the Secretary of Commerce

Application December 22, 1938, Serial No. 247,244
6 Claims. (Cl. 343—113)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of measuring vertical angle of incidence of radio waves which consists in ob-

taining a direct indication of the vertical angle of incidence of the wave by measuring the null-spacing in altitude above a reflecting plane with

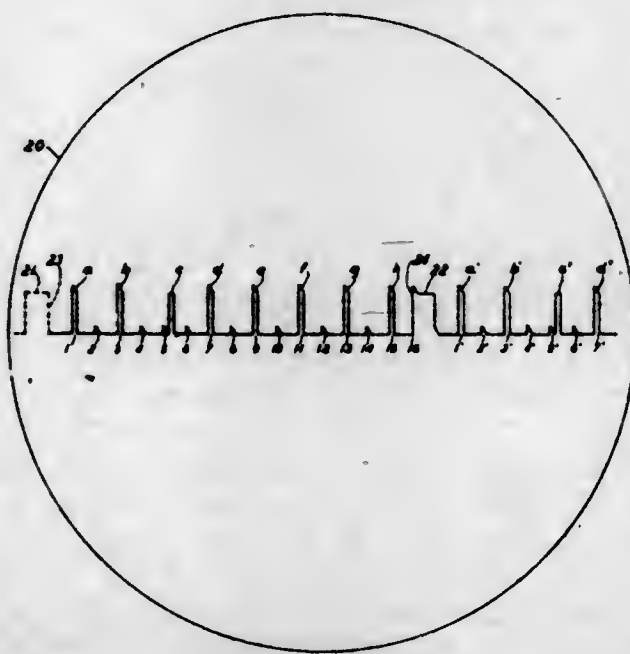


respect to reception of the wave, thereby affording a basis for determining the vertical angle of incidence by the mathematical relation thereof to said null-spacing.

2,434,264

CATHODE-RAY OSCILLOSCOPE CIRCUIT WITH TIMING MARKS

James O. Edson, Great Kills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 17, 1944, Serial No. 559,088
10 Claims. (Cl. 315-22)



5. A circuit for inspecting the sequence of pulses in a pulse transmission system comprising a cathode-ray oscilloscope provided at least with a control grid, pairs of horizontal and of vertical deflecting plates and a screen on which an electron spot is positioned in accordance with voltages impressed on said plates, means synchronized with the initial pulse of every alternate sequence of said pulses for generating a voltage pulse on said control grid to brighten said spot during an interval at least equal to the interval between successive initial pulses of said sequence, means for generating simultaneously with said brightening voltage a sweep voltage on said horizontal plates, means for generating simultaneously with said sweep voltage a timing voltage on said vertical plates and means for applying to said vertical plates voltages representing the separate pulses of said sequence in superposition on said timing voltage.

2,434,265
HOLDER FOR PIEZOELECTRIC CRYSTAL UNITS
Hal F. Fruth, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application July 18, 1945, Serial No. 605,763
12 Claims. (Cl. 171-327)



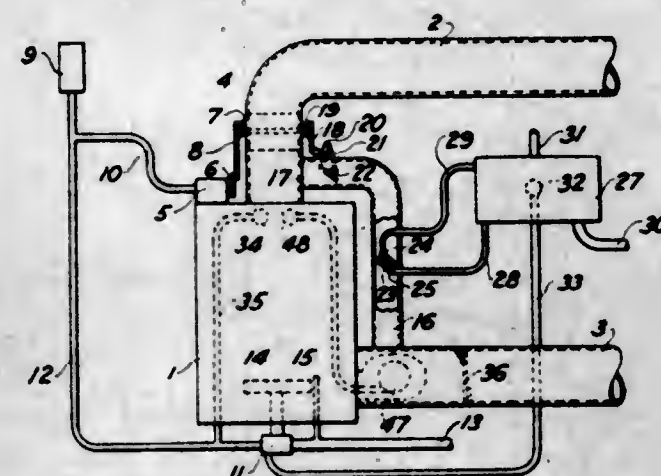
1. In combination with a piezoelectric crystal, a holder therefor comprising temperature responsive electrode means for holding said crystal under compression transversely of the crystal faces and responsive to temperature variations to develop a variable air gap between at least a portion thereof and at least one of the crystal faces which varies in the correct sense to reduce variations in the output frequency of the crystal with ambient temperature changes.

2,434,266
PIEZOELECTRIC CRYSTAL UNIT
Hal F. Fruth, Chicago, and Daniel E. Noble, Elmhurst, Ill., assignors to Motorola, Inc., a corporation of Illinois
Application July 18, 1945, Serial No. 605,764
10 Claims. (Cl. 171-327)



1. A holder for a piezoelectric crystal comprising a pair of electrodes, a piezoelectric crystal supported between said electrodes, at least a portion of one of said electrodes being movable toward and away from the other electrode to control the output frequency of the crystal, and a conductive layer at the same electrical potential as said one electrode and interposed between a part of the movable portion of said one electrode and the adjacent face of the crystal to determine the degree of frequency control effected in response to a given increment of movement of said movable electrode portion relative to said crystal.

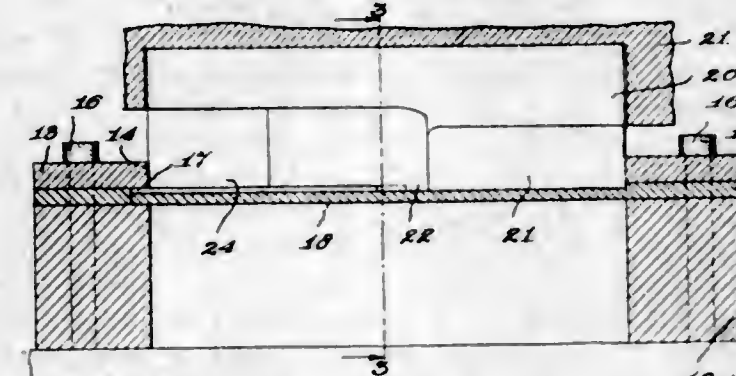
2,434,267
FURNACE HOT-WATER HEATER
Frank J. Gorman, Reno, Nev.
Application January 15, 1944, Serial No. 520,419
21 Claims. (Cl. 237-2)



3. The combination with a closed hot air circuit for a house including a hot air furnace, a hot air conduit for conveying hot air from the furnace to the rooms and a cold air conduit for conveying cold air from the rooms back to the furnace, of a second closed hot air circuit including the furnace, the hot air conduit, the cold air conduit, and a heater conduit communicating with both the hot and cold air conduits, a hot water heater

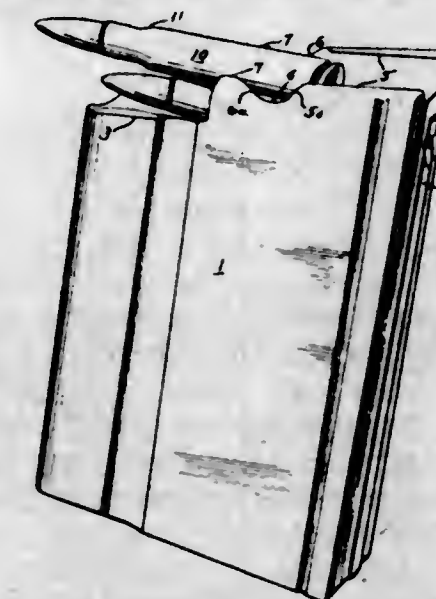
placed in the heater conduit, a water tank communicating with the hot water heater for receiving hot water therefrom, a damper for the hot air conduit, a second damper for the heater conduit, and means interconnecting the dampers for swinging the heater damper toward partially closed position when the hot air conduit damper is opened, and for swinging the heater damper toward open position as the hot air conduit damper is swung toward closed position.

2,434,268
METHOD OF MAKING SCISSORS
William Hartkopf, East Orange, N. J.
Application June 4, 1945, Serial No. 597,523
1 Claim. (Cl. 76-104)



The method of forming an integral scissor blade and handle of even thickness from sheet material, which comprises the steps of placing the sheet in a die, substantially uniformly depressing the blade portion of said sheet in relation to the handle portion thereof to form a shoulder at the juncture of blade and handle portions, and to sever the blade portion from the sheet, then while in the same die pressing against the handle portion to sever the handle portion from the sheet while continuing to press against the blade portion until the formed integral scissor blade and handle is pressed out of the sheet, said pressed out scissor blade and handle having a shoulder which is so positioned as to adapt the blade to be used with another identical blade to form a pair of scissors.

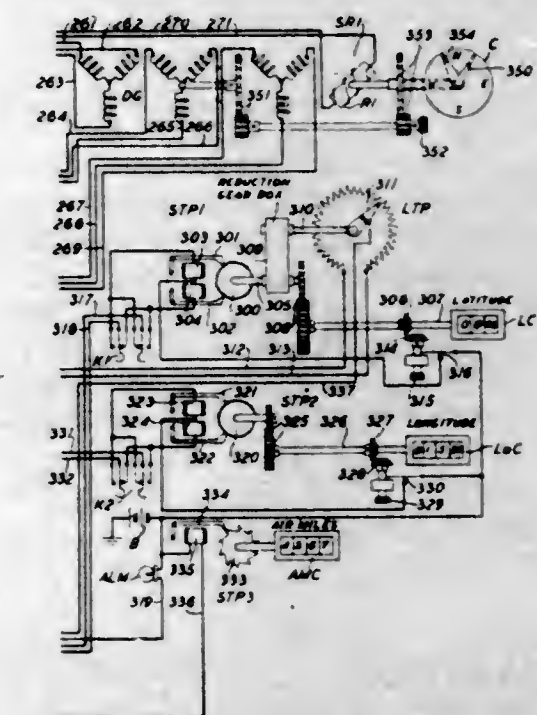
2,434,269
FIREARM MAGAZINE
Earle M. Harvey, Springfield, Mass.
Application March 21, 1945, Serial No. 584,026
3 Claims. (Cl. 42-50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. For use with a firearm having a bolt, in combination, a magazine and a double row of cartridges in staggered piling, said magazine having at its feeding end a rearward pair of holding lips extending no further forward than about the middle of the cartridge, said holding lips diverging slightly in the forward direction,

whereby the rim of the cartridge is permitted to rise on forward motion, a relief at the forward end of the holding lips to permit release upwardly of the rim of the cartridge, a pair of feeding lips forward of the relief with their rear portions rearward of the shoulder of the cartridge whereby the forward portion of the cartridge is restrained from upward pivoting about the cartridge rim on release, and a rib on the magazine forward of and closely adjacent to the cartridge shoulder whereby, in conjunction with the feeding lips, the forward portion of the cartridge is cammed upwardly and laterally inwardly on a circle about the axis of the next lowermost cartridge and in pivotal motion about the rim of the cartridge until release of the latter through the relief.

2,434,270
ELECTRIC AIR POSITION INDICATOR
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1944, Serial No. 527,999
11 Claims. (Cl. 235-61)



1. In an air position indicator for an aircraft, an indicator for indicating the instant latitude position of said aircraft, an indicator for indicating the instant longitude position of said aircraft, a direct current generator for generating a potential commensurate with the air speed of said aircraft, said generator having a bipolar field and two pairs of commutator brushes positioned in quadrature, means operative in accordance with the true flight course of said aircraft for causing an angular displacement between the polar axis of said generator field and said pairs of brushes whereby said potential is resolved into potentials commensurate with the instant rate of change of latitude and rate of change of departure of said aircraft, and means responsive to said latter potentials for operating said latitude and longitude indicators.

2,434,271
METHOD OF INJECTION MOLDING CERAMIC BODIES USING THERMOPLASTIC BINDER
Glenn N. Howatt, United States Army, Metuchen, N. J.
No Drawing. Application August 30, 1944, Serial No. 551,942
5 Claims. (Cl. 25-156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
1. In the method of forming ceramic bodies: the steps comprising dissolving a thermoplastic in

a solvent more volatile than the thermoplastic, intermixing with the solution a comminuted ceramic material to form a final mix, confining the mix, applying heat thereto to raise the temperature of the mix above the melting temperature of the thermoplastic and above the boiling point of the said solvent, applying to the mix pressure above the liquifying pressure of at least said solvent at the temperature of the mix, injection molding the mix while maintaining said applied pressure, removing the molded product and baking the same.

2,434,272

COLOR PHOTOGRAPHY WITH AZO-SUBSTITUTED COUPLERS

Edwin E. Jelley and Paul W. Vittum, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 3, 1944,
Serial No. 533,933

3 Claims. (Cl. 95-6)

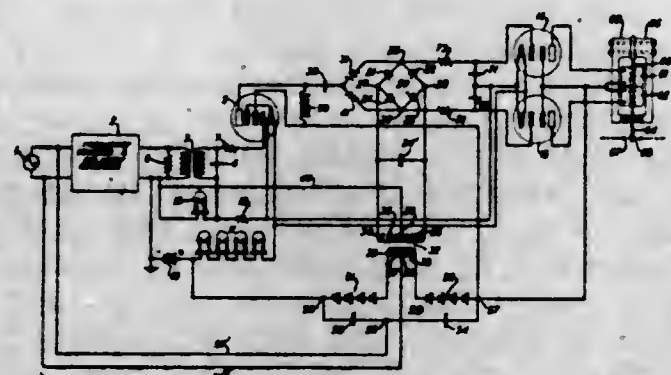
1. The method of producing a colored image in a photographic silver halide layer, which comprises incorporating in said layer a colored coupler having an azo-substituted reactive group selected from the class consisting of methylene and ethanol groups, the azo linkage being directly linked to said reactive group and to an aryl radical, exposing said layer and developing it with a primary aromatic amino developing agent which simultaneously destroys the azo linkage and forms a dye image in the exposed regions by coupling of the development product of the developer with the residue of the colored coupler, treating said layer with an acid solution to destroy said coupled dye image without affecting said colored coupler, and removing silver and silver halide from said layer along with the destroyed coupled dye image.

2,434,273

WAVE TRANSLATING SYSTEM

Raymond W. Ketchledge, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 21, 1943, Serial No. 473,083
8 Claims. (Cl. 250-27)



4. A wave translating system comprising a source of alternating current of given frequency, means for producing therefrom a signal current of twice said given frequency having phase reversals, a space discharge amplifying device having an anode, a cathode and a discharge control grid for amplifying said signal current, four two-terminal rectifying devices connected in series forming a closed circuit and poled in the same direction in the closed circuit, means comprising a resistance connecting said anode to the junction point of a pair of said rectifying devices, means comprising a resistance connecting said anode to the junction point of the other pair of said rectifying devices, a coil connected from

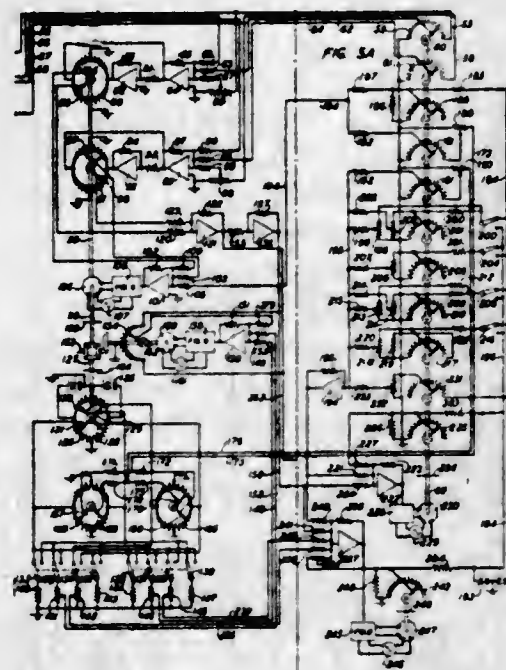
one junction point between said pairs to the other junction point between said pairs, a connection between said cathode and the midpoint of said coil, a balanced amplifier including two space discharge amplifying devices each having an anode, electron emitting means and a discharge control grid, a low-pass filter connecting said first-mentioned junction point and said midpoint with said control grid and electron emitting means of one of said amplifying devices of said balanced amplifier, a low-pass filter connecting said second-mentioned junction point and said midpoint with said control grid and electron emitting means of the other of said amplifying devices of said balanced amplifier, a circuit connected across said source comprising two parallel branches, one of said branches having in series a condenser, a rectifier poled to transmit positive half-cycles of current of said source, and an inductance, and said other branch having in series a condenser, a rectifier poled to transmit negative half-cycles of current of said source, and an inductance, said inductances being so coupled to said coil that they respectively alternately produce like inductive effects on said coil, a circuit connected across said condensers in series for supplying space current for said first-mentioned amplifying device, and a condenser connected across said coil for tuning said coil to a frequency twice that of said source.

2,434,274

ARTILLERY COMPUTER

Emory Lakatos, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 11, 1944, Serial No. 530,529
15 Claims. (Cl. 235-61.5)



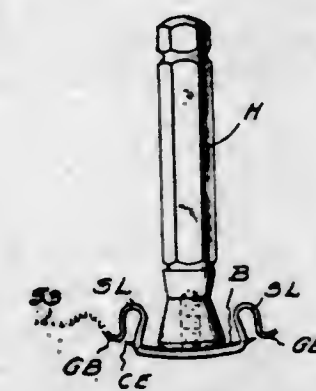
1. In a gun data computer, a source of voltage, a first shaft, mechanism connected to said shaft and said source and controlled in accordance with observations of a target to rotate said shaft proportionally to the firing azimuth of a pivot gun to fractionate the voltage from said source proportionally to the horizontal range from the pivot gun to the predicted position of the target, a second shaft, a first potentiometer having a winding connected to said source and brushes rotated by said second shaft to respectively select voltages proportional to the sine and cosine of the angle of rotation of said brushes, fractionating means connected to said brushes and adjusted to select voltages together proportional to the lateral displacement of a second gun from said pivot gun, a second potentiometer having a winding connected to said mechanism and energized by said fractionated voltage, a

third shaft driving a brush contacting the winding of said second potentiometer, a motor driving said third shaft, a differential gear connecting all said shafts, and an amplifier having an input circuit connected to said fractionating means and the brush of said second potentiometer and an output circuit connected to said motor, driving said motor to make the sum of the voltages supplied to said amplifier equal to zero, whereby said third shaft is rotated to the difference of the firing azimuths of said guns, and said second shaft is rotated to the firing azimuth of the second gun.

2,434,275

SAFETY RAZOR

Jesse D. Langdon, Long Beach, Calif.
Application February 17, 1945, Serial No. 578,444
6 Claims. (Cl. 30-73)



6. A safety razor comprising a curved guard plate, spring means extended from said guard plate, guard bar means depending from said spring means and standing in substantial alignment with the plane of the plate, adjustable handle attaching means provided between the plate and a handle attached to said plate, flexible razor blade means disposed and intervening between the concavity formed by the convexity of said plate and the handle, the cutting edge of the blade juxtaposed within a slot formed between said plate and said guard bar means, whereby the adjustment of said handle will change the altitude of said cutting edge with relation to the plate and the bar, thereby changing the spring tensioned relationship between said cutting edge and the spring hung guard bar means, permitting a change in the pressure required to urge said cutting edge into active cutting position, and smooth out the skin ahead of the cut.

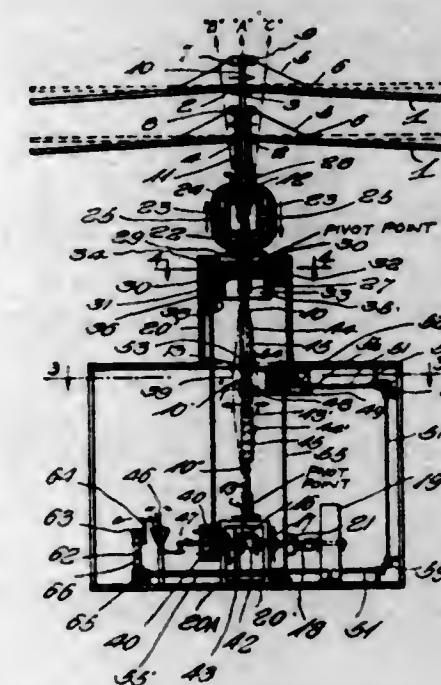
2,434,276

TILTABLE COUNTER-ROTATING ROTOR SYSTEM FOR HELICOPTERS AND CONTROL MEANS THEREFOR

Isidor B. Laskowitz, Brooklyn, N. Y.
Application January 6, 1943, Serial No. 471,492
7 Claims. (Cl. 244-17)

1. A helicopter comprising a supporting frame, a pair of concentric shafts mounted on said frame for universal tilting movement with relation thereto, each of said shafts having a bladed rotor unit secured thereto, a differential gear mechanism interconnecting said shafts for driving said shafts in opposite directions, means connected to said shafts for varying the relative speeds of rotation of said shafts, one of said shafts having an extended portion connected by means of a universal joint to a source of power, and a bracket structure connected to said extended portion and mounted for displacement in a plane transverse to the said shafts, said extended portion including universal joints and splined axially slidable

connections above and below the point of connection to said bracket structure, whereby tilting of the rotor units may be effected in any desired

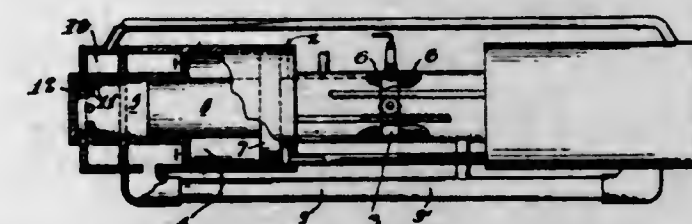


2,434,277

PISTON SAFETY STOP AND REVERSING MEANS FOR FREE PISTON ENGINES

Frank M. Lewis, Weston, Mass., assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y., a corporation of Virginia

Application August 17, 1944, Serial No. 549,909
4 Claims. (Cl. 123-46)



3. In an internal combustion engine of the free piston type wherein a piston operates in a direct bounce chamber, means forming an air storage chamber having one or more ports in communication with the bounce chamber through a side wall thereof and spaced from its outer end to provide a limited closed air cushion safety space in such end, whereby during the normal outstroke of the piston an air charge is compressed thereby in said storage chamber, while on an abnormally long outstroke said port communication is closed by the piston and air is compressed in said closed air cushion safety space with the cushion air acting to stop the outward piston movement short of striking the end wall of the direct bounce chamber.

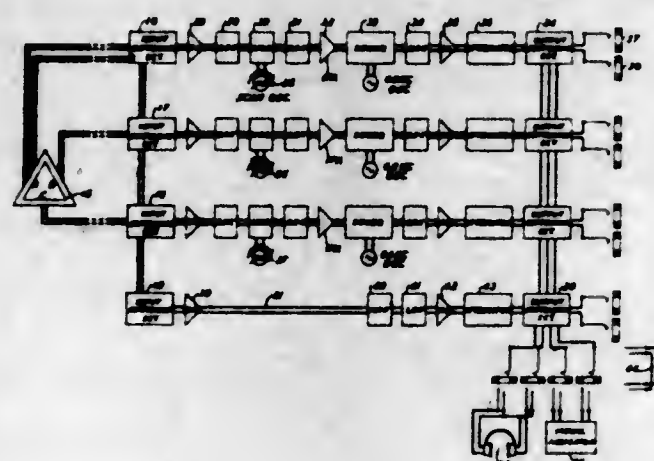
2,434,278

SUBMARINE DETECTING DEVICE

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1943, Serial No. 477,916
10 Claims. (Cl. 177-386)

1. A testing device for determining the direction of an incoming wave comprising a triangular structure each leg of which comprises a prismatic responsive device consisting of a plurality of piezoelectric crystals connected in an electrical network having phase shifting network elements

between said crystals, whereby the response of any two of said legs determines the direction of



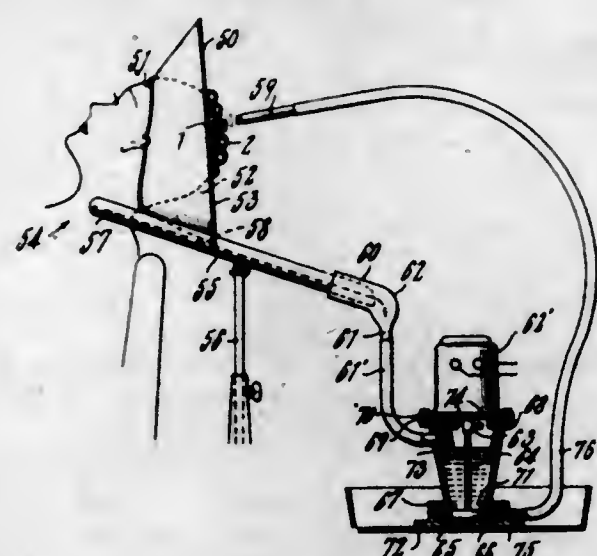
a line from said device to the source of said incoming wave.

2,434,279

METHOD OF AND MEANS FOR PERMANENTLY WAVING HAIR

Everett G. McDonough, Yonkers, and Virginia M. McGoldrick, Jackson Heights, N. Y.

Application May 25, 1942, Serial No. 444,320
13 Claims. (Cl. 132-33)

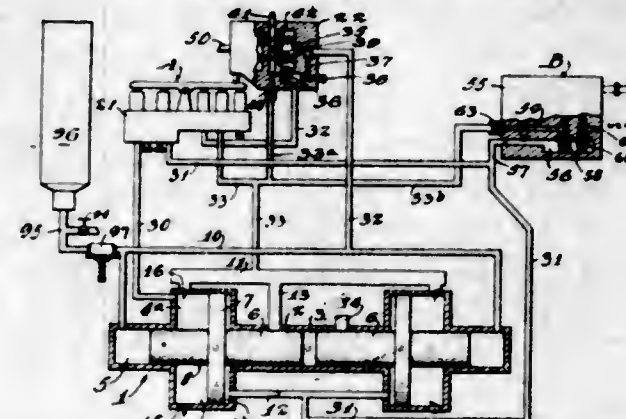


11. In apparatus for use in permanently waving strands of hair on a head, wound in hollow tubular coils: a movable liquid conduit for directing a stream of waving solution to the free surfaces of said coils or to individual portions thereof, outside and inside, at the will of the operator; an open-top drain shield having an interior resilient opening fitting around the hair line of the head with a substantially liquid-tight grip leaving the free surfaces of the coils exposed to permit application of the solution, said shield being movable with the head; a combined support and drain-board having a surface for engaging and supporting the rear portion of the neck when the head is tilted backward for application of the waving solution; the lower edge of said drain shield resting on the drain-board to shed solution thereto when the head is so tilted and supported; a reservoir to collect from the drain-board the excess solution for recirculation through said conduit for reapplication to the coils; whereby the operator may directly apply the waving solution to any portion or all portions of the coils, exteriorly or interiorly thereof, or both, and to the relative degrees necessary to give the desired individualistic characteristics to the curls.

2,434,280 FREE PISTON ENGINE AIR PRESSURE MAKE-UP AND AUXILIARY SUPPLY MEANS

Willard A. Morain, Hamilton, Ohio, assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y., a corporation of Virginia

Application October 9, 1944, Serial No. 557,798
16 Claims. (Cl. 123-46)



7. The combination with an internal combustion free piston engine wherein during an operation thereof reverse bounce and scavenging air pressures are present and it is necessary to maintain a predetermined condition of said pressures for proper engine running, of a governor operable to maintain such condition upon a change of engine running conditions affecting said pressures, said governor including a normally closed relief valve for the reverse bounce pressure, a communicating connection between said pressures, a valve closing said connection, and means responsive to a predetermined unbalanced condition of said pressures to open said relief valve to reduce the reverse bounce pressure when less air is required and to open said connecting valve to admit scavenging pressure into the reverse bounce pressure when the former predominates over the latter and additional air is required to maintain operating equilibrium.

2,434,281

GLASS AND METHOD OF MAKING SAME

Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

No Drawing. Application May 15, 1942,
Serial No. 443,172

5 Claims. (Cl. 106-47)

1. The process of forming clear homogeneous glasses from a glass batch including ingredients that, when heated, interreact chemically and give off volatile by-products, comprising dissolving said ingredients in a given liquid to form a liquid menstruum, subjecting said liquid menstruum to a temperature below the melting point of said ingredients but one at which said ingredients will inter-react chemically in solution and produce said volatile by-products, separating the chemically reacted ingredients from the by-products and liquid, adding the chemically reacted ingredients to the batch and fusing the batch into the desired product, said fusing being unaccompanied by chemical inter-reaction of the ingredients of the batch and the production of volatile by-products whereby a clear homogeneous product is formed.

2,434,282

HYDRAULIC JACK

Joseph J. Mueller, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan

Application March 2, 1944, Serial No. 524,729
9 Claims. (Cl. 60-52)

6. In an hydraulic jack, in combination with a

base having an upstanding ram cylinder and ram therein, said base having a laterally projecting high pressure pump cylinder, the central axis of which is disposed substantially ninety degrees from the central axis of the upstanding ram, a piston in said pump cylinder and a relatively long piston actuator extending outwardly thereof and connected thereto for reciprocating said piston, a by-pass valve integrally carried by said pump cylinder and a relatively long actuator extending outwardly of said pump cylinder and having a



handle thereon for turning said by-pass valve, said handle for said valve turning means and said actuator for said piston reciprocating means being disposed adjacently when the piston is in its innermost position, both of said actuators extending substantially outwardly from the base of the jack substantially at right angles to said ram cylinder whereby said jack may be inserted under an automobile chassis to raise the chassis and whereby said actuators are accessible from a position clear of the body of the automobile.

2,434,283

METHOD OF TREATING TIN-CONTAINING MATERIALS

Irving E. Muskat, Glenside, Pa., assignor to Vulcan Detinning Company, Sewaren, N. J., a corporation of New Jersey

No Drawing. Application July 12, 1943,
Serial No. 494,351

17 Claims. (Cl. 23-53)

10. A method which comprises heating a low grade tin ore under reducing conditions to increase the solubility of the tin content thereof in an aqueous solution of an alkali metal hydroxide, and reacting the said reduced ore at a temperature above 75° C. with an aqueous alkali metal hydroxide solution of a concentration and in an amount so as to form a solid, water-soluble tin compound in said ore, and leaching the water-soluble tin compound from the ore.

2,434,284

METHOD OF TREATING TIN-CONTAINING MATERIALS

Irving E. Muskat, Glenside, Pa., assignor to Vulcan Detinning Company, Sewaren, N. J., a corporation of New Jersey

No Drawing. Application July 12, 1943,
Serial No. 494,352

19 Claims. (Cl. 23-53)

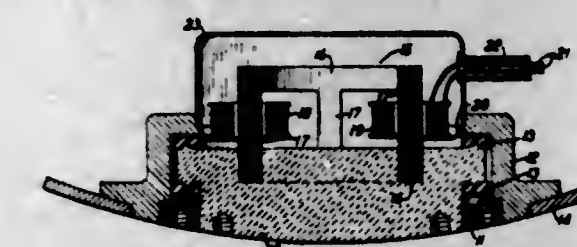
9. A method which comprises heating a low grade tin ore under reducing conditions to increase the solubility of the tin content thereof in an aqueous solution of an alkali metal hydroxide, and reacting the said reduced ore at a temperature above 75° C. and in the presence of an alkali metal nitrate, with an aqueous alkali metal hydroxide solution of a concentration and in an amount so as to form a solid, water-soluble tin compound in said ore, and leaching the water-soluble tin compound from the ore.

2,434,285

COMPRESSIONAL WAVE TRANSLATING DEVICE

Robert Lee Peck, Jr., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 27, 1943, Serial No. 477,358
8 Claims. (Cl. 177-386)



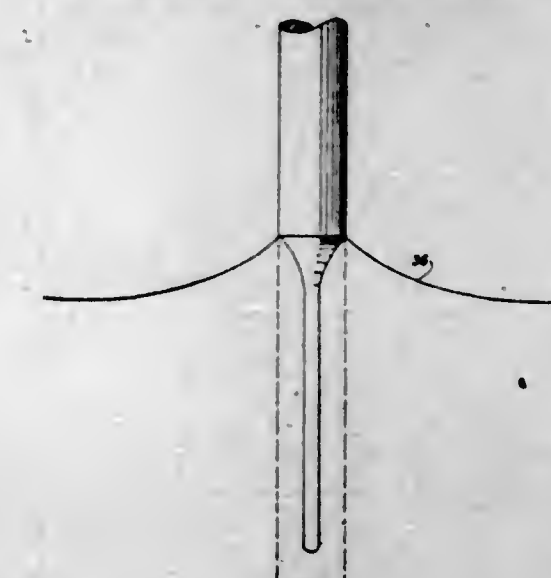
1. A compressional wave translating device comprising a cylindrical core including circular end portions and a plurality of parallel legs of magnetostrictive material connecting said end portions, said legs being of small cross-sectional dimensions relative to the spacing between adjacent legs, means mounting said core for longitudinal vibration, and a coil electromagnetically coupled to said core.

2,434,286

METHOD OF FORMING A POINT AT THE END OF A WIRE

William G. Pfann, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 12, 1943, Serial No. 498,376
2 Claims. (Cl. 204-142)



1. The method of shaping an electrical contact wire which comprises immersing one end of the wire below the free surface of an aqueous solution of potassium hydroxide to form a meniscus at the surface of said solution, applying an electrical potential to said wire to cause the etching thereof by electrolytic action and the formation of a symmetrical point in the region of said meniscus, and adding a soluble copper compound to said solution for the purpose of sustaining said meniscus while said symmetrical point is being formed.

2,434,287

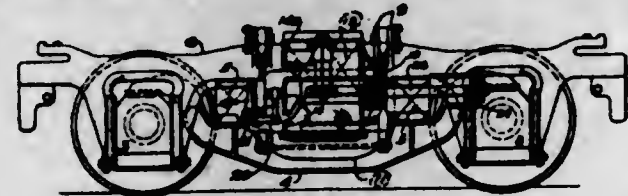
RAILWAY TRUCK

Harry M. Pfleger, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application March 13, 1944, Serial No. 526,147
22 Claims. (Cl. 105-190)

17. In a railway vehicle truck, wheels, axles, journal boxes, equalizers, positioned at the sides of the truck and laterally beyond said wheels and supported on said journal boxes, springs resting on said equalizers, a truck frame support-

ed on said springs, means suspended from the frame and including metallic coil springs positioned wholly beyond said equalizers laterally of the truck, a load-carrying bolster supported by said latter-mentioned springs, said means providing for substantial vertical and lateral move-

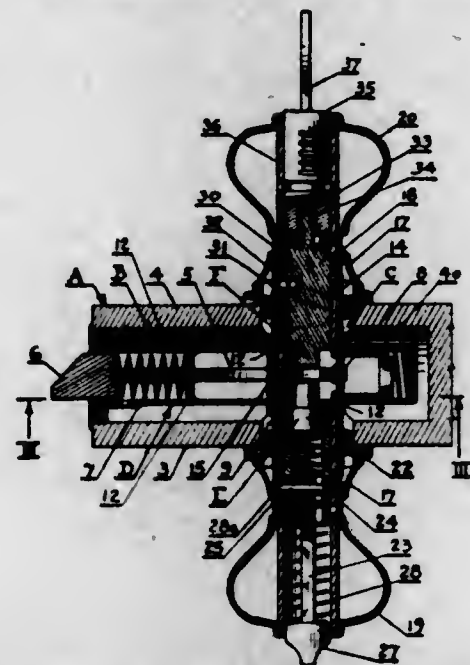


ment of the bolster relative to the frame and including shock absorber structure snubbing the action of the bolster-supporting springs, and a device associated with the bolster-supporting springs and equalizing the action of the bolster-supporting springs at the opposite sides of the truck.

2,434,288 DOOR LOCK

Walter R. Schlage, Burlingame, Calif.; Anna Schlage, executrix of said Walter R. Schlage, deceased, assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California

Application May 27, 1944, Serial No. 537,643
4 Claims. (Cl. 70—150)



1. In a door lock, a retractor plate, a latch bolt secured to the retractor plate, a spindle cooperating with the retractor plate to retract the latch bolt, a keeper on the retractor plate, a pair of dogs within the spindle one on each side of the keeper, one of said dogs being resiliently mounted, means for moving the other dog into engagement with the keeper to dog the latch bolt in its extended position, and means for moving the resiliently mounted dog into engagement with the dog which engages the keeper so that the resiliently mounted dog may be outwardly projected into engagement with the keeper when the other dog is disengaged from the keeper.

2,434,289

MANUFACTURE OF HYDROCARBONS
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 17, 1944,
Serial No. 545,407

12 Claims. (Cl. 260—666)

4. A process for the production of saturated hydrocarbons which comprises reacting an all-phatic mono-olefin with a monohaloalkane in the presence of a metal halide catalyst of the Friedel-

Crafts type at a pressure sufficient to keep a substantial proportion of the reactants in liquid state and at a temperature of from about -30°C . to about 125°C . to form a higher boiling monohalo-genated saturated hydrocarbon and dehalogenating the latter.

2,434,290

ELECTROLYTIC TIN PLATE

Harry S. Schutte, Carnegie, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

No Drawing. Application March 5, 1941,
Serial No. 381,896

4 Claims. (Cl. 29—196.4)

1. Electrolytic tin plate having manufacturing marks on the surface of its steel base that are conspicuous against a shiny background and with its tin coating too thin to hide said marks, said tin plate being characterized by having the surface of its steel base roughened to a mat finish ranging in grain size from a maximum insufficient to cause the production of flat light-reflecting surfaces of sufficient areas to be visible to the unaided normal eye, to a minimum sufficient to cause enough scattering of reflected light to at least materially reduce the visibility of said marks, said mat finish in all cases obscuring said marks.

4. An electrolytic tin plate making method comprising the steps of producing shiny-finished cold-reduced steel strip of from 38 to 21 gage with marks conspicuous on its shiny surface, annealing said strip, tempering said annealed strip in a temper rolling mill having rolls roughened to a mat finish imparting a similar mat finish to said strip, said mat finish having a grain size ranging from a maximum insufficient to cause the production of flat light-reflecting surfaces of sufficient areas to be visible to the unaided normal eye, to a minimum sufficient to cause enough scattering of reflected light to at least materially reduce the visibility of said marks, said mat finish in all cases obscuring said marks, and electroplating tin onto said tempered steel strip to a thickness ranging from .00001 to .0001 of an inch.

2,434,291

MARINE ANTIFOULING STEEL BASE

Howard E. Smith, Kew Gardens, N. Y., assignor to Insl-X Corporation, Brooklyn, N. Y., a corporation of New Jersey

No Drawing. Application September 4, 1942,
Serial No. 457,318

1 Claim. (Cl. 117—127)

In combination a steel base and an anti-fouling protective coating therefor comprising a film forming component and phenyl mercury phthalate, said phenyl mercury phthalate being present in an amount of at least 10% by weight of said film forming component.

2,434,292

APPARATUS FOR MAKING VARIEGATED HARD SURFACE COVERING

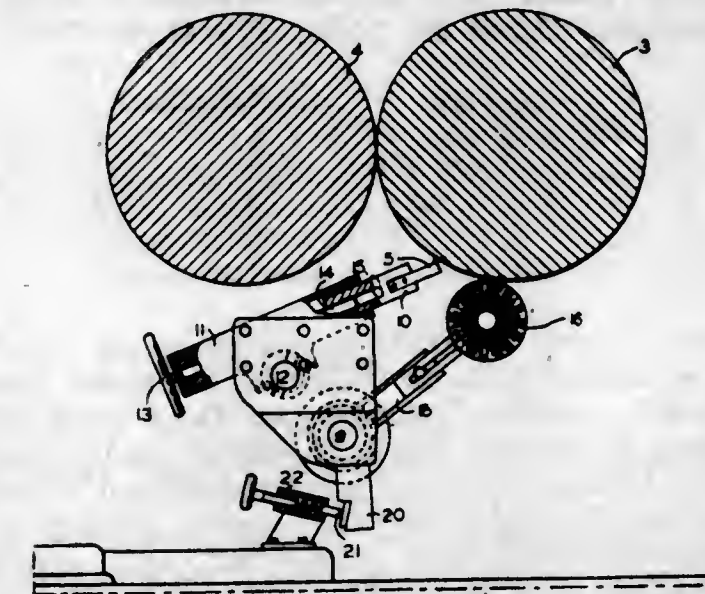
Virgil Spencer, East Petersburg, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Original application October 2, 1940, Serial No. 359,328. Divided and this application June 20, 1944, Serial No. 541,188

6 Claims. (Cl. 18—2)

3. In a device for making a variegated sheet of hard surface covering, the combination of a sheeting calender adapted to form a sheet having a definite directional graining, a skiving tool dis-

posed adjacent thereto adapted to form a tapered recess extending longitudinally of the under surface of a formed sheet, means to adjust said tool to vary the depth of the recess, and a rotary knife having a cutting edge composed of a plu-



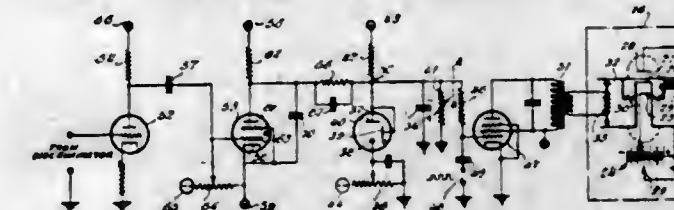
rality of connected, undulated sigmoidal curves engageable with said formed sheet in the recessed area thereof to sever the sheet at the recessed portion into sections having an irregular tapered edge composed of a plurality of connected, undulated sigmoidal curves.

2,434,293

FREQUENCY CONTROL OF AN OSCILLATOR OF THE VELOCITY MODULATION TYPE

Horace Myrl Stearns, Merrick, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application May 11, 1943, Serial No. 486,589
25 Claims. (Cl. 250—36)



1. Frequency control apparatus for an ultra-high-frequency cavity resonator device having thermally extensible tuning means for varying the operating frequency thereof comprising a source of electrical energy connected to said tuning means for providing thermal actuation thereof, means for producing a periodically varying control voltage, means for controlling said source by said voltage to correspondingly periodically vary the operating frequency of said device, and means responsive to a predetermined relation between said operating frequency and a desired frequency condition of said device for modifying said control voltage to interrupt said periodic frequency variation.

2,434,294

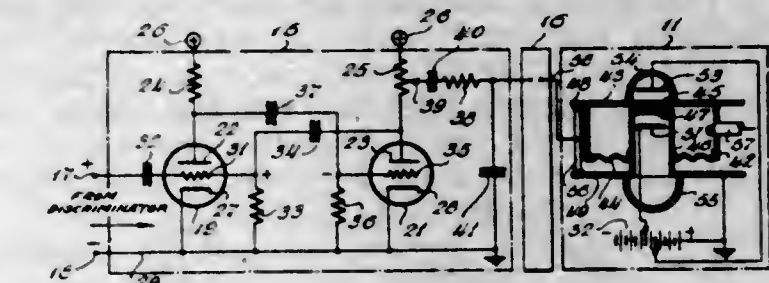
FREQUENCY CONTROL SYSTEM

Edward L. Ginzton, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application October 22, 1943, Serial No. 507,235
18 Claims. (Cl. 250—36)

1. Automatic frequency control apparatus for a variable frequency device comprising variably energizable tuning means for said device, means for positively cyclically varying energization of said tuning means for positively cyclically varying the operating frequency of said device over a predetermined band, means producing a signal

corresponding in magnitude and in sense to variation of said operating frequency from a desired frequency condition, and means responsive to



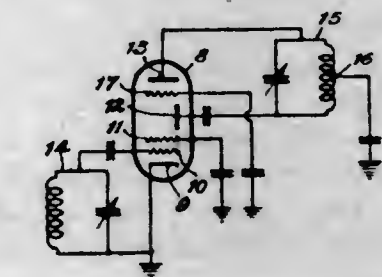
said signal for both controlling said cyclical variation and maintaining said operating frequency substantially at said desired frequency condition.

2,434,295

AMPLIFYING CIRCUIT ARRANGEMENT FOR ULTRA HIGH FREQUENCIES

Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application March 23, 1943, Serial No. 480,194
In the Netherlands May 30, 1940
9 Claims. (Cl. 179—171)



1. An electron discharge device for use at ultra high frequencies having a cathode, a control electrode, a screen electrode and an anode, an input circuit for applying a voltage of a predetermined frequency to said control electrode, the transit time of the electrons from said cathode to said anode being greater than the period of oscillation of the applied voltage, an output circuit connected at one end to said anode, said screen electrode and anode being spaced a distance less than the distance traveled by an electron during one-half the period of oscillation of the applied control voltage, and a connection between the screen electrode and said output circuit at a point removed from the connection to said anode.

2,434,296

COMBINATION HIGH- AND LOW-PRESSURE HYDRAULIC PUMP

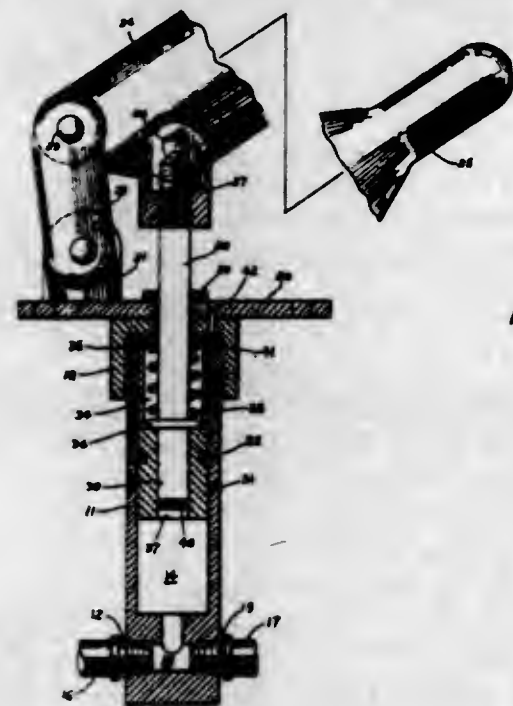
Carl T. Swanson, Quonset Point, R. I.

Application February 19, 1945, Serial No. 578,757
3 Claims. (Cl. 103—37)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

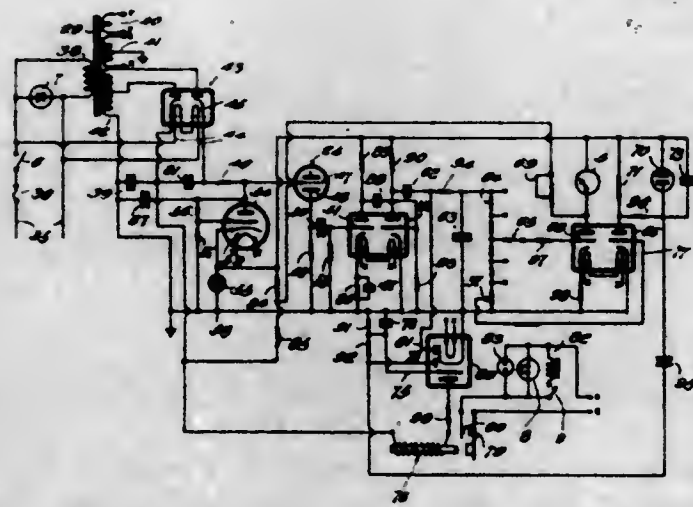
1. A combination low pressure high pressure hydraulic pump comprising a main pump cylinder having fluid inlet and pressure outlet ports adjacent one end thereof, a pumping piston reciprocable within said main pump cylinder, a counterbored chamber extending through said piston with the small bore end toward said ports, a connecting rod reciprocably extending through said counterbored piston, one end of said connecting rod forming a pumping piston within the small bore of said counterbored chamber, means on said connecting rod within the large bore of said counterbored chamber yieldably se-

curing said connecting rod to said piston, said yieldable securing means comprising a coil spring embracing said connecting rod, an abutment on said connecting rod within the large bore of said piston limiting the movement of said rod through the small bore of said piston, one end of said spring being based on said abutment, an apertured closure member for the other end



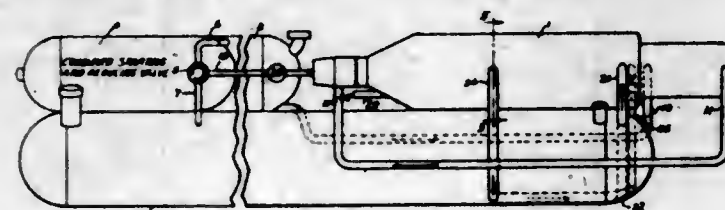
of said large bore, the other end of said spring being based on said closure member, the other end of said connecting rod extending through said apertured closure member in the end of the large bore in said piston and the end of said main pump cylinder and pump operating means connected to said extended end of said connecting rod.

2,434,297
RADIATION INTENSITY METER
Meyer Joseph Test, Kansas City, Mo., and Shelley Krasnow, New York, N. Y.
Application October 1, 1941, Serial No. 413,241
12 Claims. (Cl. 250-83.6)



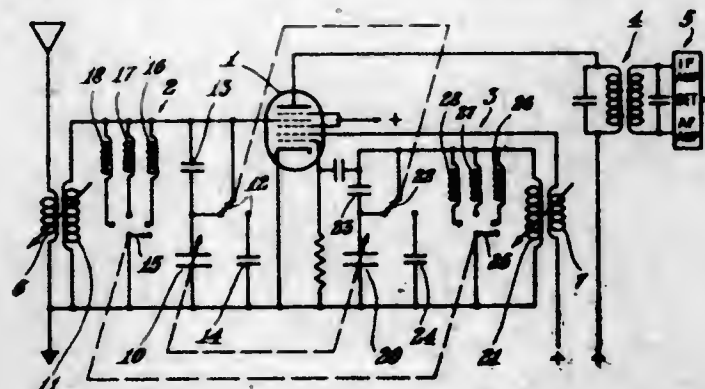
12. In an apparatus for measuring radioactivity, a measuring element having a medium whose electrical properties are modified in relation to the radioactivity impinging thereon, whereby the said element will give at its output an electrical response related to radioactivity, amplifying means to amplify the output of the said element, a current indicating meter operable from the output of the said means, an adjustable bucking circuit connected to the said current meter and serving to apply a voltage counter to that produced by the amplifying means, the said bucking circuit providing means for setting the meter to a predetermined value for a given value of radioactive intensity.

2,434,298
JET REACTION MOTOR
Robert C. Truax, United States Navy
Application March 27, 1940, Serial No. 326,209
8 Claims. (Cl. 60-35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a power producing device, a jet reaction motor comprising a combustion chamber terminating in a nozzle, a source of fluid fuel under pressure, a jacket formed about said nozzle, means leading said fuel into said jacket where it acts to cool the walls of said nozzle, means leading said fuel from said jacket into said combustion chamber for burning, means bleeding off a portion of the gases of combustion from said chamber, heat recovery means for cooling said gases and means directing said cooled gases along the inside surface of the walls of said nozzle.

2,434,299
RADIO RECEIVER WITH BAND-SPREAD CONTROL FOR A NUMBER OF COMPARATIVELY NARROW FREQUENCY BANDS
Carel Jan van Loon, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 23, 1943, Serial No. 480,186
In the Netherlands August 28, 1940
4 Claims. (Cl. 250-40)



1. A tunable circuit comprising a main inductance and a shunt variable condenser for tuning the circuit over a wide band of frequencies, and means for converting said circuit to one that is tunable by said variable condenser over a comparatively narrow frequency band, said means comprising a pair of condensers connected respectively in series and in shunt with said variable condenser and an inductance in shunt to the main inductance.

2,434,300
ESTERIFICATION OF ALKALI METAL AND ALKALINE EARTH METAL LACTATES UNDER CONTROLLED pH CONDITIONS TO FORM ALKYL LACTATES
Samuel M. Weisberg and Edwin G. Stimpson, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application November 1, 1945, Serial No. 626,120
3 Claims. (Cl. 260-484)

1. A method of manufacturing methyl lactate from crude sodium lactate obtained by concen-

trating fermentation liquor containing sodium lactate and residual impurities; which comprises reacting one part of said crude sodium lactate with 3 to 6 parts (based on 100% lactate) of methyl alcohol in the presence of sulfuric acid; measuring the pH value of the reaction mixture and adjusting the amount of sulfuric acid added to the reaction mixture to maintain the pH value within the range of 1.0 to 1.4 substantially throughout and at the end of the reaction, irrespective of the amount and nature of said residual impurities; continuing the reaction at a temperature in the range of 140° to 175° F.; and separating the volatile components from the non-volatile residue.

2,434,301
PROCESS OF INCREASING THE STRENGTH OF POROUS STRUCTURES
Louis S. Wertz, Cleveland, Ohio
No Drawing. Application July 3, 1941,
Serial No. 401,004
8 Claims. (Cl. 61-36)

1. A process for filling voids and interstices in porous masses, which comprises intimately mixing with water, to form a slurry, a finely divided, hydraulic cement, a finely divided filling material containing acidic colloidal silica and capable of retarding gelation of the slurry, an oleaginous lubricating agent to increase flowability of the slurry, aluminum powder in an amount up to .02% of the weight of the cement, and an alkaline metal chloride in an amount of about .5% to 3.5% of the weight of the cement, forcing the aqueous slurry containing the above finely divided solids into the voids and interstices of a porous mass, and allowing the slurry to gel and set within the porous mass, whereby the porous mass is substantially strengthened and solidified.

2,434,302
METHOD OF SOLIDIFYING POROUS STRUCTURES
Louis S. Wertz, Cleveland Heights, Ohio
No Drawing. Application July 22, 1942,
Serial No. 451,959
8 Claims. (Cl. 61-35)

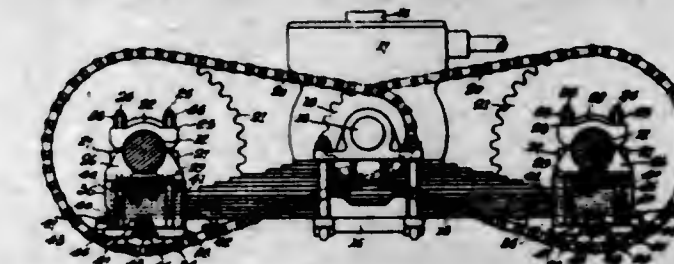
1. A process of construction which comprises incorporating loose aggregate into an area defined by a form, preparing a flowable, solidifiable aqueous slurry containing finely divided hydraulic cement, sand, finely divided aluminum, a finely divided filling material containing acidic colloidal silica and capable of retarding gelation of said cement and an oleaginous lubricating agent which increases flowability of the slurry, said finely divided aluminum being present in an amount between about .005% and about .05% of the weight of the cement, forcing the aqueous slurry into said area defined by said form between the voids and interstices of pieces of aggregate therein and allowing the slurry to set, whereby a concrete structure of relatively high strength and relatively low shrinkage is produced.

2,434,303
MEANS AND METHOD OF FORMING GLASS
Woldemar A. Weyl, State College, Pa., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
No Drawing. Application May 18, 1943,
Serial No. 487,494
3 Claims. (Cl. 106-52)

1. In the process of forming a phosphate glass batch containing silica the step comprising ini-

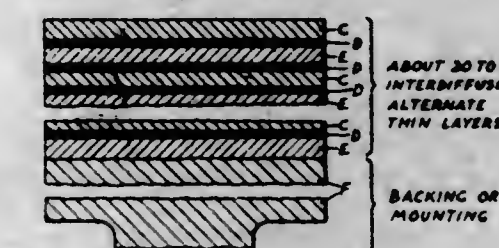
tially chemically combining all the silica with at least one of the major basic oxides included in the formula, and adding the silicates so formed to the batch.

2,434,304
ADJUSTABLE SPRING SHACKLE
Howard Wilson, Chevy Chase, Md.
Application January 4, 1945, Serial No. 571,346
6 Claims. (Cl. 267-54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An adjustable spring shackle comprising a spring container, a seat for the container, leaf-spring means having an end portion thereof disposed in the said container, means anchoring the leaf-spring means to the container in longitudinal fixed relationship, cushion means intermediate the leaf-spring means and the container, a lock plate mounted on the container, a second lock plate mounted on the container seat, cooperating means on the lock plates anchoring the said plates together while permitting predetermined longitudinal adjustment therebetween, and means for clamping the spring container to the plates in a manner such that the longitudinal relationship between the spring container and the container seat can be changed selectively.

2,434,305
ELECTRIC CONTACT
Edmund Merriman Wise, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application October 12, 1943, Serial No. 505,967
13 Claims. (Cl. 200-166)

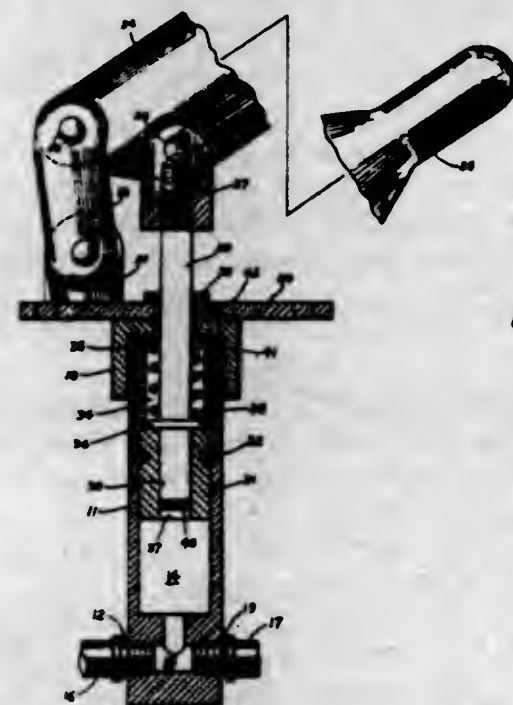


1. As an article of manufacture, an electrical contact comprised of an alloy containing 2% to 16% palladium, 1% to 13% of a metal from the group consisting of ruthenium, iridium, and rhodium, the sum of the palladium content and the content of metal from said group being within the range of 7% to 19%, and the balance substantially all platinum, said contact being characterized by improved service life in the presence of hydrocarbon vapors compared to a contact made of a similar palladium-free alloy.

2,434,306
STATISTICAL SLIDE RULE
Kenneth R. Wood, United States Army, Fort Dix, N. J.
Application June 7, 1944, Serial No. 539,167
4 Claims. (Cl. 235-61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device of the character described including a base having guides thereon, superimposed slides

curing said connecting rod to said piston, said yieldable securing means comprising a coil spring embracing said connecting rod, an abutment on said connecting rod within the large bore of said piston limiting the movement of said rod through the small bore of said piston, one end of said spring being based on said abutment, an apertured closure member for the other end

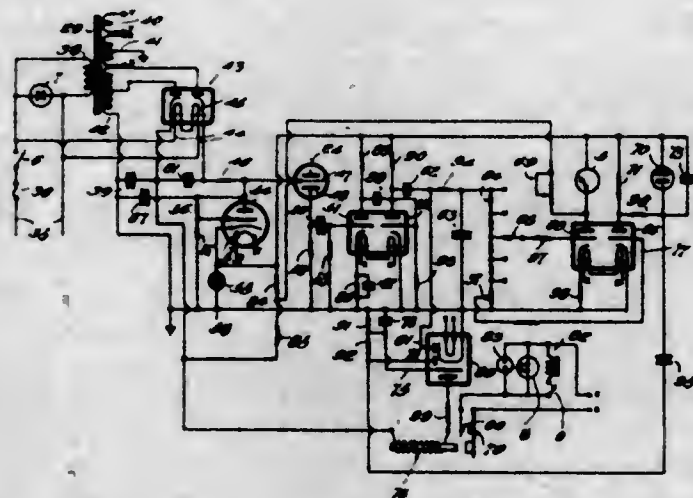


of said large bore, the other end of said spring being based on said closure member, the other end of said connecting rod extending through said apertured closure member in the end of the large bore in said piston and the end of said main pump cylinder and pump operating means connected to said extended end of said connecting rod.

2,434,297

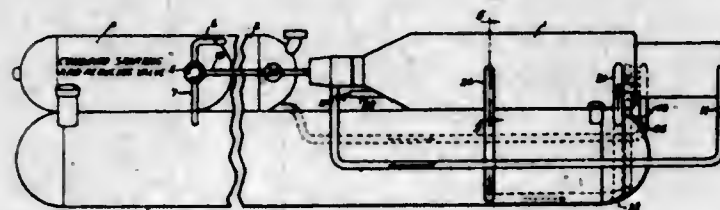
RADIATION INTENSITY METER

Meyer Joseph Test, Kansas City, Mo., and Shelley Krasnow, New York, N. Y.
Application October 1, 1941, Serial No. 413,241
12 Claims. (Cl. 250—83.6)



12. In an apparatus for measuring radioactivity, a measuring element having a medium whose electrical properties are modified in relation to the radioactivity impinging thereon, whereby the said element will give at its output an electrical response related to radioactivity, amplifying means to amplify the output of the said element, a current indicating meter operable from the output of the said means, an adjustable bucking circuit connected to the said current meter and serving to apply a voltage counter to that produced by the amplifying means, the said bucking circuit providing means for setting the meter to a predetermined value for a given value of radioactive intensity.

2,434,298
JET REACTION MOTOR
Robert C. Truax, United States Navy
Application March 27, 1940, Serial No. 326,209
8 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

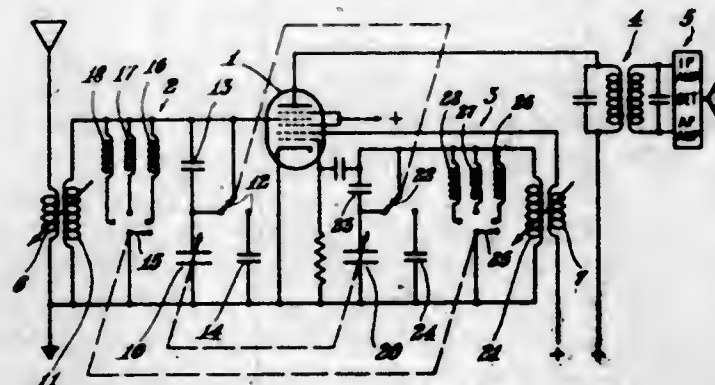


1. In a power producing device, a jet reaction motor comprising a combustion chamber terminating in a nozzle, a source of fluid fuel under pressure, a jacket formed about said nozzle, means leading said fuel into said jacket where it acts to cool the walls of said nozzle, means leading said fuel from said jacket into said combustion chamber for burning, means bleeding off a portion of the gases of combustion from said chamber, heat recovery means for cooling said gases and means directing said cooled gases along the inside surface of the walls of said nozzle.

2,434,299

RADIO RECEIVER WITH BAND-SPREAD CONTROL FOR A NUMBER OF COMPARATIVELY NARROW FREQUENCY BANDS

Carel Jan van Loon, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 23, 1943, Serial No. 480,186
In the Netherlands August 28, 1940
4 Claims. (Cl. 250—40)



1. A tunable circuit comprising a main inductance and a shunt variable condenser for tuning the circuit over a wide band of frequencies, and means for converting said circuit to one that is tunable by said variable condenser over a comparatively narrow frequency band, said means comprising a pair of condensers connected respectively in series and in shunt with said variable condenser and an inductance in shunt to the main inductance.

2,434,300

ESTERIFICATION OF ALKALI METAL AND ALKALINE EARTH METAL LACTATES UNDER CONTROLLED pH CONDITIONS TO FORM ALKYL LACTATES

Samuel M. Weisberg and Edwin G. Stimpson, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application November 1, 1945, Serial No. 626,120
3 Claims. (Cl. 260—484)

1. A method of manufacturing methyl lactate from crude sodium lactate obtained by concen-

trating fermentation liquor containing sodium lactate and residual impurities; which comprises reacting one part of said crude sodium lactate with 3 to 6 parts (based on 100% lactate) of methyl alcohol in the presence of sulfuric acid; measuring the pH value of the reaction mixture and adjusting the amount of sulfuric acid added to the reaction mixture to maintain the pH value within the range of 1.0 to 1.4 substantially throughout and at the end of the reaction, irrespective of the amount and nature of said residual impurities; continuing the reaction at a temperature in the range of 140° to 175° F.; and separating the volatile components from the non-volatile residue.

2,434,301

PROCESS OF INCREASING THE STRENGTH OF POROUS STRUCTURES

Louis S. Wertz, Cleveland, Ohio
No Drawing. Application July 3, 1941,
Serial No. 401,004
8 Claims. (Cl. 61—36)

1. A process for filling voids and interstices in porous masses, which comprises intimately mixing with water, to form a slurry, a finely divided, hydraulic cement, a finely divided filling material containing acidic colloidal silica and capable of retarding gelation of the slurry, an oleaginous lubricating agent to increase flowability of the slurry, aluminum powder in an amount up to .02% of the weight of the cement, and an alkaline metal chloride in an amount of about .5% to 3.5% of the weight of the cement, forcing the aqueous slurry containing the above finely divided solids into the voids and interstices of a porous mass, and allowing the slurry to gel and set within the porous mass, whereby the porous mass is substantially strengthened and solidified.

2,434,302

METHOD OF SOLIDIFYING POROUS STRUCTURES

Louis S. Wertz, Cleveland Heights, Ohio
No Drawing. Application July 22, 1942,
Serial No. 451,959
8 Claims. (Cl. 61—35)

1. A process of construction which comprises incorporating loose aggregate into an area defined by a form, preparing a flowable, solidifiable aqueous slurry containing finely divided hydraulic cement, sand, finely divided aluminum, a finely divided filling material containing acidic colloidal silica and capable of retarding gelation of said cement and an oleaginous lubricating agent which increases flowability of the slurry, said finely divided aluminum being present in an amount between about .005% and about .05% of the weight of the cement, forcing the aqueous slurry into said area defined by said form between the voids and interstices of pieces of aggregate therein and allowing the slurry to set, whereby a concrete structure of relatively high strength and relatively low shrinkage is produced.

2,434,303

MEANS AND METHOD OF FORMING GLASS
Woldemar A. Weyl, State College, Pa., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
No Drawing. Application May 18, 1943,
Serial No. 487,494

3 Claims. (Cl. 106—52)

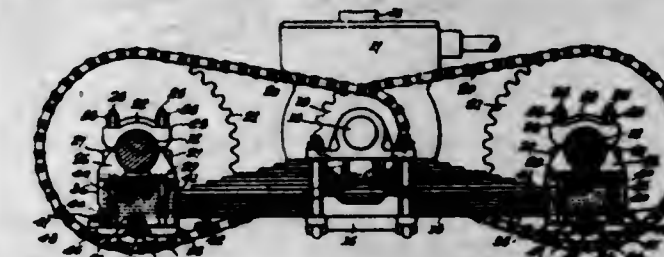
1. In the process of forming a phosphate glass batch containing silica the step comprising ini-

tially chemically combining all the silica with at least one of the major basic oxides included in the formula, and adding the silicates so formed to the batch.

2,434,304

ADJUSTABLE SPRING SHACKLE

Howard Wilson, Chevy Chase, Md.
Application January 4, 1945, Serial No. 571,346
6 Claims. (Cl. 267—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

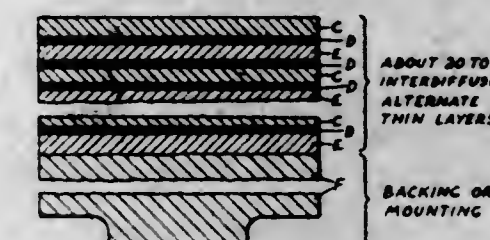


1. An adjustable spring shackle comprising a spring container, a seat for the container, leaf-spring means having an end portion thereof disposed in the said container, means anchoring the leaf-spring means to the container in longitudinal fixed relationship, cushion means intermediate the leaf-spring means and the container, a lock plate mounted on the container, a second lock plate mounted on the container seat, cooperating means on the lock plates anchoring the said plates together while permitting predetermined longitudinal adjustment therebetween, and means for clamping the spring container to the plates in a manner such that the longitudinal relationship between the spring container and the container seat can be changed selectively.

2,434,305

ELECTRIC CONTACT

Edmund Merriman Wise, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application October 12, 1943, Serial No. 505,967
13 Claims. (Cl. 200—166)



1. As an article of manufacture, an electrical contact comprised of an alloy containing 2% to 16% palladium, 1% to 13% of a metal from the group consisting of ruthenium, iridium, and rhodium, the sum of the palladium content and the content of metal from said group being within the range of 7% to 19%, and the balance substantially all platinum, said contact being characterized by improved service life in the presence of hydrocarbon vapors compared to a contact made of a similar palladium-free alloy.

2,434,306

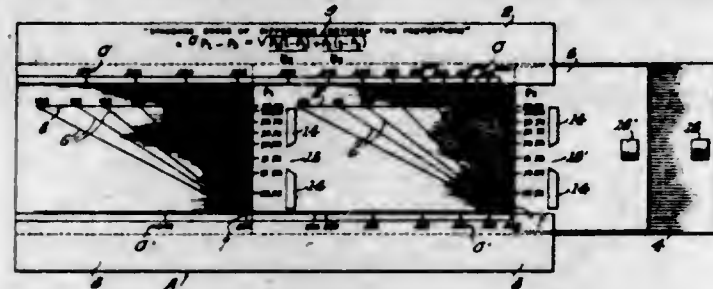
STATISTICAL SLIDE RULE

Kenneth R. Wood, United States Army,
Fort Dix, N. J.
Application June 7, 1944, Serial No. 539,167
4 Claims. (Cl. 235—61)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device of the character described including a base having guides thereon, superimposed slides

mounted for movement relative to each other in said guides, a pair of tab retaining elements mounted on said slides adjacent to one end of each thereof, each pair of said tab retaining elements vertically arranged in spaced formation, the inner adjacent ends of said pairs of tab retaining elements beveled and providing grooves, an answer scale on said guides, a graph on one of said slides, a graph on said base, substantially rec-

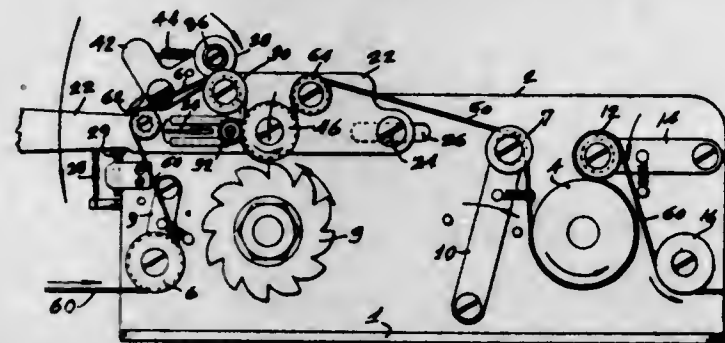


tangular shaped tabs including keystone-shaped portions, and supplementary vertical scales provided on said tabs, said keystone-shaped portions of said tabs adapted to be inserted in said grooves formed by said spaced beveled inner ends of said tab retaining elements, whereby said tabs having said supplementary vertical scales thereon may be removably mounted on vertical edges of said slides.

2,434,307

LACING BEVELLER

William E. Ahlgren, Burlingame, Calif.
Application April 8, 1947, Serial No. 740,179
6 Claims. (Cl. 69-9)

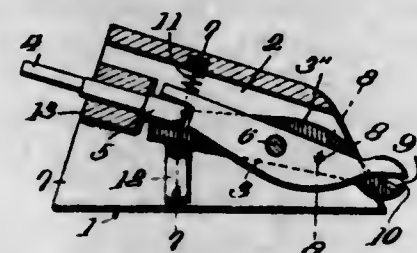


1. A lacing beveler comprising a pair of juxta-posed rollers arranged to form a lacing transversely into a V; a holding roller arranged to hold said lacing with the edges of said V beyond the periphery of said holding roller; and a cutter arranged adjacent to said holding roller and also arranged to bevel the edges of said lacing.

2,434,308

MOTOR OPERATED MULTIPLE BLADE SHEARS

Charles L. Beard, Lancaster, Pa.
Application June 6, 1944, Serial No. 538,916
2 Claims. (Cl. 30-247)



1. A cutting tool comprising a body having a chamber therein, a pair of outer parallel disposed cutting blades and an intermediate blade arranged therebetween at an angle thereto and cooperating therewith, all of said blades being movable and having tail portions and cutting portions, the cutting portion of said intermediate blade being opposed to the cutting portion of said outer blades, a pintle for pivotally connect-

ing said blades together in said chamber and to the walls of said body, a power driven shaft extending into said body and cam means carried by said shaft rotatably engageable with the tail portions of said blades to effect movement of said blades at different intervals.

2,434,309

TOBACCO CURING STICK

Napoleon L. Broughton, Charleston, S. C.
Application April 18, 1946, Serial No. 663,146
1 Claim. (Cl. 294-5.5)

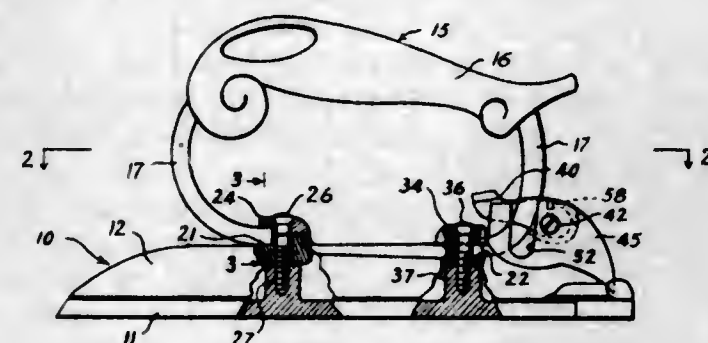


A tobacco curing stick, comprising a bar having longitudinally spaced substantially circular transverse openings therein, a companion bar having longitudinally spaced elongated transverse openings therein and arranged in opposed relation to the circular openings, at least one bar having transversely inwardly projecting pins, and holding devices to be passed through the opposed openings in the bars, each holding device comprising a wire twisted upon itself for providing a shank and a loop at one end of the shank, the free ends of the wire being bent laterally in opposite directions to provide tines forming an elongated head, the elongated head having a greater length than the diameter of the substantially circular openings and a shorter length than the length of the elongated openings, and a compressible coil spring carried by the shank and arranged between the loop and the outer face of one bar, the arrangement being such that the shank is permanently carried by one bar and adapted to be turned upon its axis so that the head may be arranged longitudinally of the elongated opening, the spring pressing the washer against the adjacent bar and resisting improper turning of the shank.

2,434,310

IRON WITH FOLDING HANDLE

Charles B. Coxhead, New York, N. Y.
Application December 22, 1945, Serial No. 636,905
4 Claims. (Cl. 38-90)



1. The combination of an iron and a folding handle, said handle including a ball with end portions for connecting the handle to the top of the iron, bearings in which the end portions of the ball turn to permit folding of the handle, at least one of said bearings being split with some clearance at the split, and an adjustable device for adjusting the clearance of the split bearing to control the friction of the ball in said bearing.

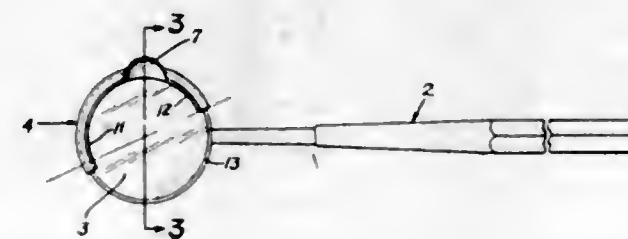
2,434,311

DENTAL MIRROR

Robert A. Dean, Minneapolis, Minn.
Application July 15, 1944, Serial No. 545,075
1 Claim. (Cl. 32-69)

An attachment for a dental mirror comprising a channel-like member having an inwardly fac-

ing groove adapted to receive a portion of the edge of the mirror to secure the attachment thereto, said member being substantially uniform in cross-section the major portion of its length, and a small spout-like projection on said member intermediately of its ends, said projec-

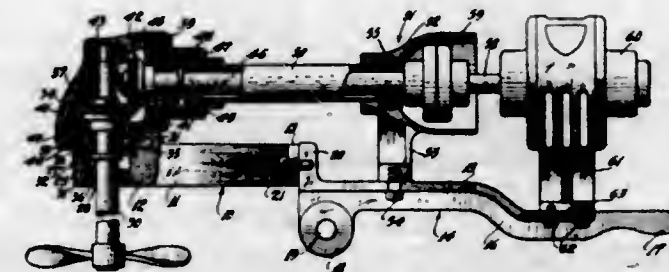


tion extending upwardly and outwardly from the face of the mirror, the edge of said projection being substantially semicircular in configuration, whereby when said attachment is in use on a mirror, it will not obstruct vision or interfere with instruments in the operation of guiding filling material from the mirror into a tooth cavity.

2,434,312

MECHANICAL AGITATOR

Austin H. Downs, Glen Ridge, N. J., assignor to Eclipse Air Brush Co., Newark, N. J., a corporation of New Jersey
Application December 20, 1945, Serial No. 636,177
3 Claims. (Cl. 74-16)



1. Apparatus of the class described comprising a drive shaft, means for driving said shaft, a second shaft disposed approximately at right angles to said first shaft and driven by said first shaft, means operatively connecting said shafts, supporting means carrying said second shaft, an arm extending rearwardly of said supporting means and coupled therewith, means secured to said arm and extending rearwardly thereof, said first mentioned means supported by said last mentioned means, a guard surrounding said first mentioned shaft and spaced from said arm and a handle secured to said third mentioned means and extending rearwardly thereof.

2,434,313

MANUFACTURE OF COMPOUNDS CONTAINING CARBONYL GROUPS

Henry Dreyfus, London, England; Claude Bonard, administrator of said Henry Dreyfus, deceased
No Drawing. Application September 23, 1944, Serial No. 555,583. In Great Britain May 25, 1943
5 Claims. (Cl. 260-604)

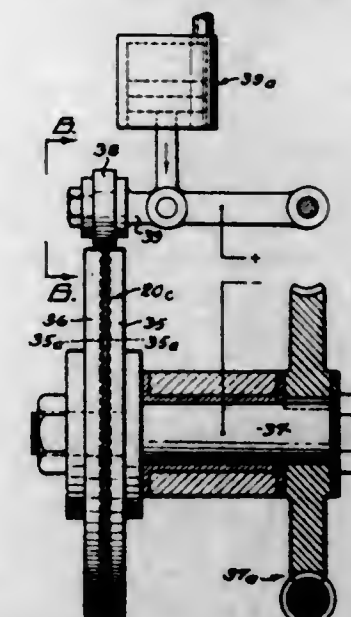
1. Process for the manufacture of aliphatic dialdehydes, which comprises heating a mixture comprising one molecular proportion of a diolefin and at least two molecular proportions of formaldehyde to a temperature of 50° to 80° C., until substantial quantities of the corresponding dialdehyde have been formed, cooling the mixture, and separating therefrom the dialdehyde produced.

2,434,314

ABRASIVE ARTICLE AND METHOD OF MANUFACTURE

Walton A. Felker, Torrance, Calif.
Application October 24, 1944, Serial No. 560,086
6 Claims. (Cl. 51-293)

1. An abrasive article of the type described, comprising a metal body having an elongate cutting face and opposite side surfaces, the cutting face of said body being provided with longitudinally spaced open-ended notches extending transversely across said face, the notches being relatively deep and narrow and both walls thereof slanting in the same direction longitudinally of the elongate face at acute angles to a normal to the cutting face at the mouths of the notches so that one wall of each notch overhangs the other wall in said direction and the notches face in said direction, said direction being the direction of movement of the article on a cutting movement, longitudinally spaced and substantially duplicate embossments projecting outwardly from each side surface of the cutting face, each of the several embossments individually outlining one open end of one notch and forming portions of the notch walls which extend beyond the side surface of the



body, the outer faces of the several embossments on each side surface lying in a single plane parallel to the side surface and each embossment outlining its respective notch end with a raised outlining surface of substantially uniform width around the periphery of the open notch end, a metallic insert having abrasive grain embedded therein and distributed throughout secured in each of the notches, incorporated with the metal body and completely filling the notches including those portions defined by the embossments, the lateral end faces of the inserts lying in the face planes of the embossments, the metallic inserts being held in the notches under compression by the body, the longitudinally spaced notch outlining embossments on each of the side surfaces being mutually longitudinally separated by recesses whose inner walls lie substantially in the planes of the side surfaces of the body.

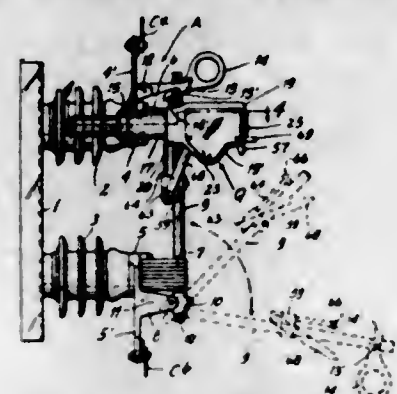
2,434,315

ELECTRICAL SWITCH

Olav Froland, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application December 17, 1943, Serial No. 514,629
5 Claims. (Cl. 200-76)

1. An electrical switch comprising a contact structure, a switch blade supported for movement into and out of contact engagement with respect to said contact structure, a quick-break mechanism comprising a contact member, a movably

supported conducting element in the form of a rod arranged for movement into and out of electrical contact with respect to said contact member, spring means which tends to move said movable conducting element out of contact engagement with respect to said contact member, toggle means for moving said movable conducting element into contact engagement with said contact member, said toggle means being movable to such position that the elements thereof because of their relative positions lock said movable conducting element in contact engagement with respect to said contact member, a single means actuated by movement of said switch blade out of the closed-switch position for releasing said movable conducting element for movement out of contact engagement with respect to said contact member, and actuated by movement of said

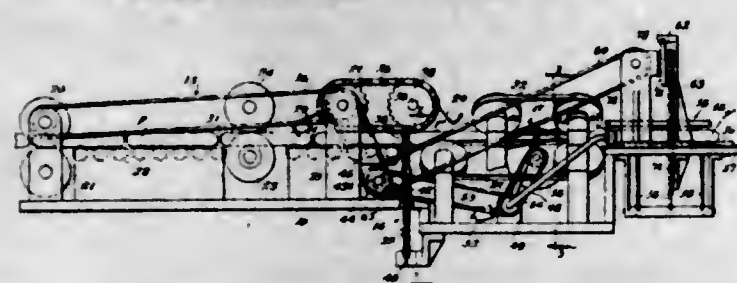


switch blade into the closed-switch position for moving said movable conducting element into contact engagement with said contact member, said single means comprising a pivotally supported actuating member operatively related to said toggle means and having an elongated cam face, and means carried by said switch blade which engages a part of said cam face of said pivotally supported actuating member on switch-opening movement of said switch blade for releasing said movable conducting element for movement out of contact engagement with respect to said contact member, and which engages another part of said cam face of said pivotally supported actuating member on switch-closing movement of said switch blade for moving said movable conducting element into contact engagement with said contact member.

2,434,316

FRANKFURTER SKINNING MACHINE

John V. Golden, Stamford, Conn., and Frank H. Runz, New York, N. Y.
Application February 23, 1942, Serial No. 431,980
14 Claims. (Cl. 17-1)



1. A frankfurter skinning machine comprising means for feeding linked frankfurters, means for severing said frankfurters, means for longitudinally slitting the casing of the severed frankfurters, and means for removing the body thereof from the casing.

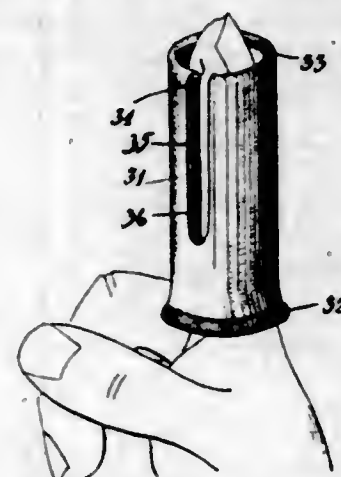
2,434,317

FINGER COT

George L. Gross, Hartford, Conn.
Application July 24, 1946, Serial No. 685,971
2 Claims. (Cl. 2-21)

1. An open ended tubular finger cot having a seamless double ply open end and double ply

seamless sides, said double ply open end being characterized by resistance to fraying and ravel-

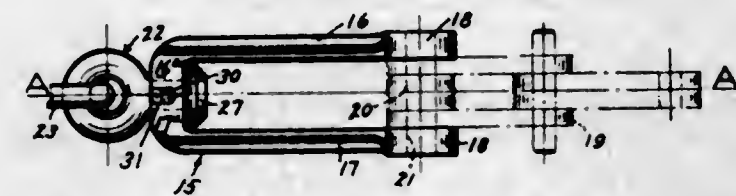


ing when rubbed and abraded in grinding, buffing and polishing operations.

2,434,318

COMBINATION SWIVEL EYE AND SWIVEL BASE

Leo Haubert, Tulsa, Okla.
Application September 4, 1946, Serial No. 694,782
15 Claims. (Cl. 59-95)

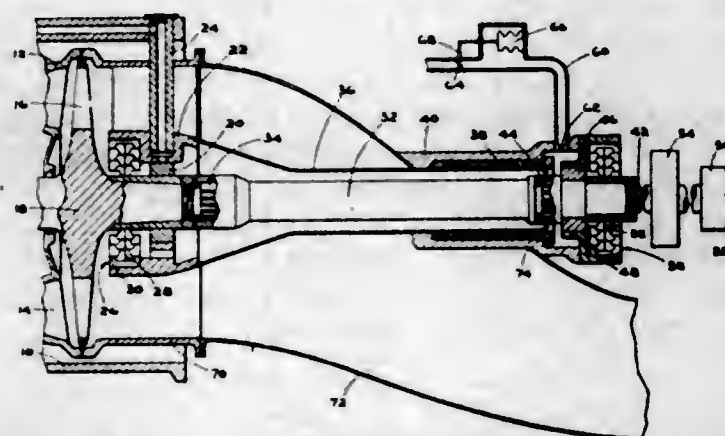


1. The combination of a clevis and a swivel eye, the clevis being split into two symmetrically identical parts, the swivel eye having a circular flange lockingly engaging each part and swiveling on each part so engaged.

2,434,319

PUSHER INSTALLATION FOR TURBINE-DRIVEN PROPELLERS

Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 30, 1945, Serial No. 575,338
2 Claims. (Cl. 253-39)



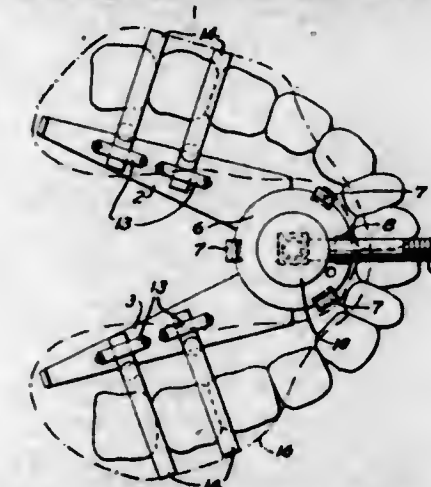
1. An axial flow turbine including a housing, at least one row of stationary nozzles carried by said housing, a turbine rotor having a shaft and at least one row of blades adjacent to the nozzles, a bearing for the shaft, a mounting for the bearing supported by the housing, an exhaust duct surrounding said bearing and connected to the discharge end of the turbine, an extension shaft located at least in part within said duct and connected to said turbine shaft, a jacket surrounding and spaced from said shaft and the bearing, a bearing for the extension shaft spaced from the first bearing, a mounting for said extension shaft bearing, a seal located between the first bearing and the row of blades and sealing the space between the mounting and the turbine

shaft, a second seal surrounding the extension shaft on the side of the extension shaft bearing remote from the first bearing and sealing the space between the extension shaft and the mounting for the extension shaft bearing, said jacket extending between the bearing mountings and forming with the mountings a chamber extending between the opposite seals, the seals closing the ends of the chamber, and means for introducing a coolant into said jacket at a pressure higher than that of the gas in the exhaust duct to prevent leakage of exhaust gas into said jacket.

2,434,320

DEVICE FOR THE FIXING OF DENTAL APPARATUS IN THE CAVITY OF THE MOUTH IN A DEFINITE POSITION RELATIVE TO THE TEETH

Karl Axel Sam Karlström, Gavle, Sweden
Application January 22, 1944, Serial No. 519,312
In Sweden December 12, 1942
3 Claims. (Cl. 32-67)

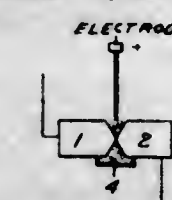


1. A device for holding dental tools comprising a mouldable mass fitting the space of the jaw lying within the row of teeth and partially formed to overlie teeth at the opposite sides of the row, a base member embedded in said mass, and arms embedded in the overlying part of said mass projecting from said base member in a direction parallel to and adjacent to the sides of opposed teeth of the row, said base member and arms constituting a reinforcement for preserving the shape of the mass incident to manipulation thereof.

2,434,321

METHOD OF WELDING

George J. Kleiner, South Milwaukee, and Willard Schumbacker, West Allis, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 8, 1944, Serial No. 525,596
3 Claims. (Cl. 113-112)



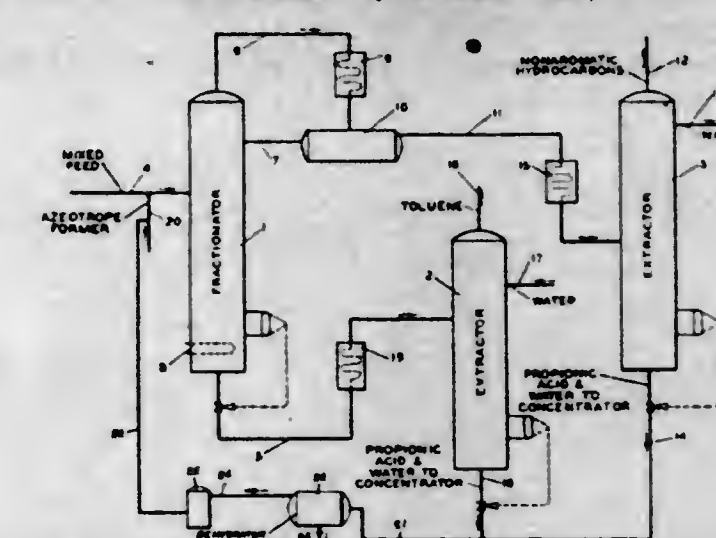
3. The method of welding wherein the welding is effected in separate passes from opposite sides, which comprises, relatively positioning the parts to be united to provide a front and a back gap, providing a flux backing along said back gap, welding said front gap by a welding operation which includes heating the parts and depositing weld metal in said front gap, leaving in said back gap the deposit of flux and slag adhering thereto as a result of said front gap welding operation, and welding said back gap while said parts are still at a temperature sufficiently high by reason of said front gap welding operation so that said deposit may be rendered fluid by said back gap

welding operation at a weld heat which will leave said parts undamaged and produce an inclusion-free weld.

2,434,322

AZEOTROPIC DISTILLATION OF TOLUENE WITH PROPIONIC ACID

John W. Latchum, Jr., and James S. Connors, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application November 23, 1943, Serial No. 511,492
1 Claim. (Cl. 202-42)

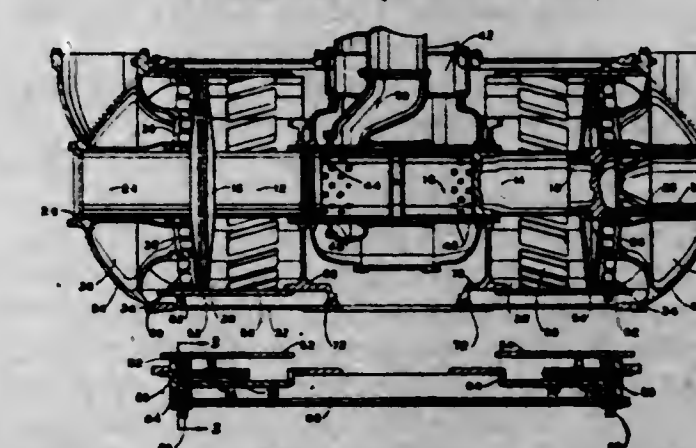


A continuous process for the separation of toluene from a hydrocarbon fraction of boiling range up to approximately 30° F. and containing toluene and non-aromatic hydrocarbons comprising continuously distilling said hydrocarbon fraction in the presence of propionic acid wherein the non-aromatic hydrocarbons distill overhead with a portion of said propionic acid as minimum constant boiling mixtures and the toluene containing the remainder of the propionic acid becomes concentrated in the still bottoms; extracting said propionic acid with water from said overhead constant boiling mixtures leaving a nonaromatic hydrocarbon portion and an aqueous propionic acid extract; extracting the propionic acid with water from said still bottoms leaving toluene and an aqueous propionic acid extract; combining said aqueous propionic acid extracts and substantially dehydrating same and recycling this substantially dried propionic acid into said continuous distillation step, and withdrawing the toluene and nonaromatic hydrocarbon portions as separate products.

2,434,323

SLIDING COMPRESSOR CYLINDER

Walter A. Ledwith, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 6, 1945, Serial No. 603,494
7 Claims. (Cl. 230-56)



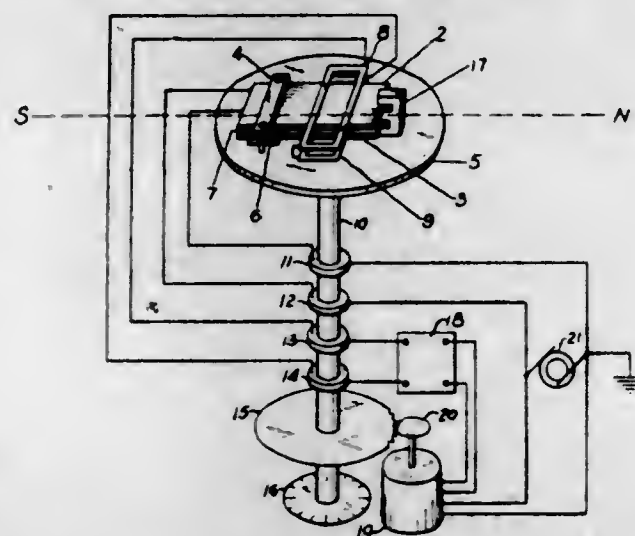
1. In a free-piston unit, an engine cylinder, and a free-piston therein, a compressor cylinder and piston, the compressor piston being connected to and moving with the engine piston, said compressor cylinder having a compressor head and a

cylindrical wall, said cylindrical wall having at least one port therein for the escape of gas within said compressor, and means for shifting the position of said port axially with respect to said compressor head to adjust said port axially relative to the normal position of the piston stroke.

2,434,324

EARTH INDUCTOR COMPASS

Henry Lehde, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 6, 1944, Serial No. 557,532
1 Claim. (Cl. 33—204)



In an inductor compass, a rotatable member, a pair of spaced vibratory crystals, means to clamp adjacent ends of said crystals in spaced relation to each other and to said rotatable member, a support on said rotatable member having means to receive the free opposite ends of said crystals so as to restrain the same against movement in one direction, a pair of series connected coils each attached to one of said crystals, a grounded source of alternating current, connections from said source to said crystals to torsionally vibrate the latter in opposite directions and generate in said coils a voltage of the frequency of said crystal vibration while preventing electrostatic pickup of voltage by said coils, and means responsive to said voltage for turning said rotatable member to thereby orient the torsional vibration of said crystals with respect to the earth's magnetic field.

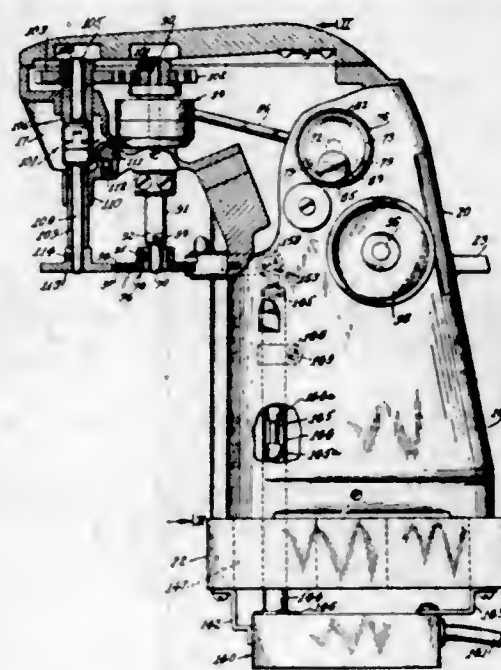
2,434,325

INTERMITTENT FEED HIGH-FREQUENCY ELECTRICAL APPARATUS FOR UNITING DIELECTRIC MATERIALS

Harold J. Le Vesconte, Glendale, Calif., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1944, Serial No. 553,443
4 Claims. (Cl. 219—47)

4. In apparatus for uniting work consisting of a plurality of parts arranged in layers, at least one of which parts is thermoplastic, the combination comprising a housing including an upstanding base and a bracket arm extending laterally of the base, a pair of substantially vertical and parallel shafts carried by the bracket arm and projecting therebelow, a wheel secured to the lower part of each shaft and rotatable therewith, said wheels having their peripheral portions disposed in spaced cooperative relation adapted to receive the work therebetween, means permitting movement of one wheel toward and away from the other wheel, resilient means for normally and yieldingly urging said one wheel toward the other wheel, means for moving said one wheel away from the

other wheel against the action of the resilient means, rotary driving means carried by the housing to the side thereof remote from the bracket arm, means disposed within the housing and operatively connected to the driving means and to the shafts for converting continuous rotation of the driving means to intermittent and simul-

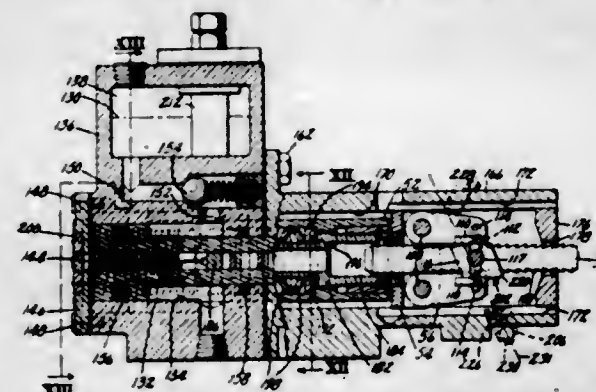


taneous rotation of both wheels, said last-mentioned means being adjustable from the exterior of the housing to vary the length of intermittent movement of the wheels, means for generating a high frequency electric current, and means for connecting said generating means with said wheels whereby a high frequency field is created between the peripheral portions of the wheels.

2,434,326

MECHANISM FOR RETARDING THE RATE OF FIRE OF AUTOMATIC FIREARMS

John J. Maciejowski, Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 24, 1944, Serial No. 541,896
8 Claims. (Cl. 89—130)



7. In an automatic firearm, a recoil actuated member having a recoil movement the rearward extent of which varies considerably, a check, a coupling constructed and arranged to connect the check to said member substantially at the end of its recoil movement irrespective of the extent of such movement, and mechanism for disconnecting the coupling from said member after said member has moved a constant distance from its recoiled position.

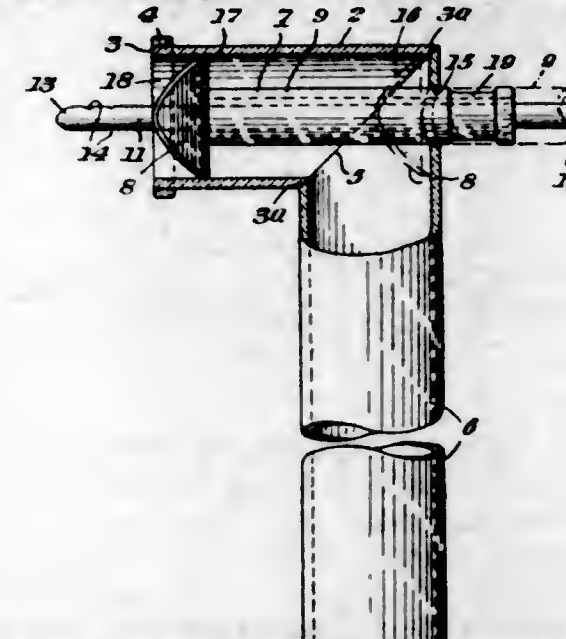
2,434,327

COLOSTOMY IRRIGATOR

James W. McArdle, Pittsburgh, Pa., assignor to Colostom-Ease Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1947, Serial No. 776,284
3 Claims. (Cl. 128—283)

1. A colostomy irrigator, comprising a sealing tube having an inner end adapted to be pressed

against the body of a user, a discharge tube connected to the outer end of the sealing tube, and a valve slidable in the sealing tube, said valve having a valve head and a hollow valve stem, the valve stem being slidable in an opening provided in a wall of the colostomy irrigator opposite the inner end of the sealing tube, the hollow

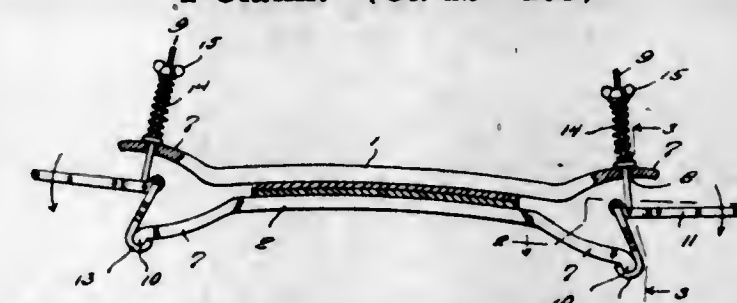


valve stem being adapted to receive a catheter for supplying irrigating fluid, the valve head, when in its inner position, retaining irrigating fluid in the sealing tube, and when in its outer position, sealing the opening in which the valve stem slides but allowing discharge of irrigating fluid and fecal matter through the discharge tube.

2,434,328

SHOEMAKER'S CLAMP

Edward A. McLane, Elko, Nev.
Application October 5, 1945, Serial No. 620,445
1 Claim. (Cl. 12—103)



A shoemaker's clamp consisting of an upper and a lower metal plate slightly curved longitudinally wherein both ends of each clamp plate are curved to form divergent arms when the plates are assembled, the upper plate arms being provided with vertical holes, and the lower plate arms are curled under to form a shoulder on each lower plate arm, a threaded bolt arranged slidably in each hole, a wing nut on each bolt above the upper arm, a helical spring surrounding each bolt between the upper arm and the corresponding nut, a pair of studs extending laterally from each bolt underneath the upper arm, a lever having a bifurcated inner end, pivotally mounted on each pair of studs, and a stirrup hook having a wide jaw pivotally mounted on the bifurcated end of each lever and adapted to engage the corresponding shoulder on the lower plate arm with the said jaw.

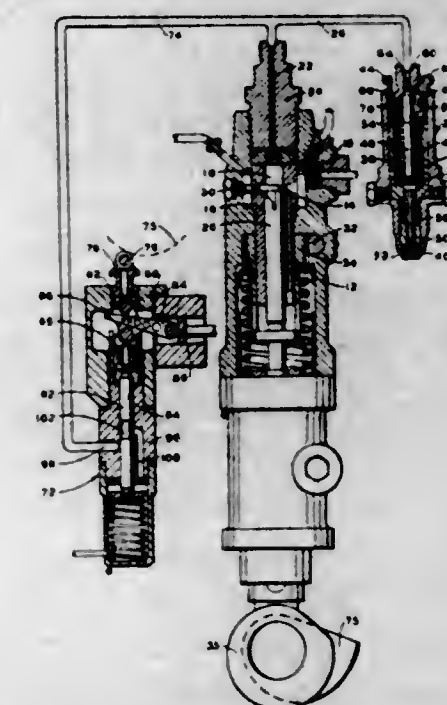
2,434,329

ACCUMULATOR INJECTION APPARATUS

Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,893
10 Claims. (Cl. 103—41)

1. An accumulator injection system including a pump plunger, a chamber into which fuel is

pumped under pressure by said plunger, a delivery port connected to said chamber, and a valve normally closing the connection between the chamber and the delivery port and movable by a drop in pressure between the plunger and

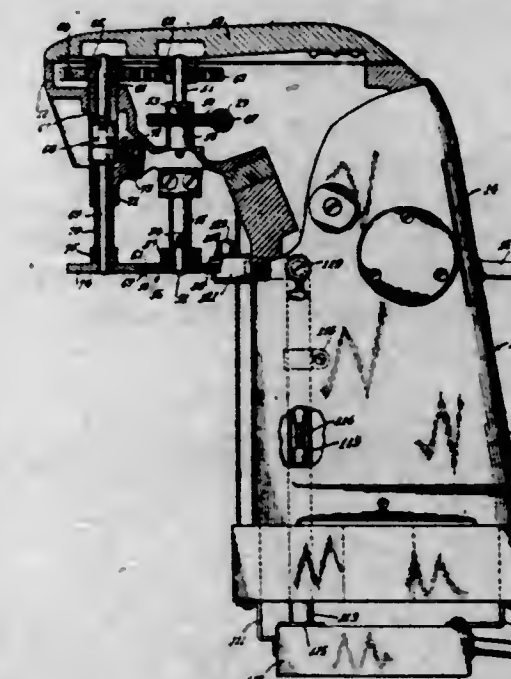


chamber for opening said connection and for closing the connection from the chamber to the plunger, in combination with means independent of the plunger for procuring said drop in pressure.

2,430,330

HIGH-FREQUENCY DIELECTRIC SEAMING APPARATUS

Benjamin W. Merz, Narberth, Pa., and Albert M. Schweda, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 6, 1944, Serial No. 539,018
4 Claims. (Cl. 219—47)



2. In apparatus of the character described, the combination comprising a housing including a generally upstanding base and a bracket arm extending laterally of the base, a first shaft and a second shaft carried by the bracket arm and projecting therebelow, said shafts being substantially vertical and parallel, said first shaft including a universal coupling intermediate its ends, a wheel secured to the lower part of each shaft, at least the peripheral portion of each wheel being electrically conductive, means for maintaining the wheels in predetermined minimum spaced relation comprising a bracket connected to the first shaft intermediate its wheel and the universal coupling and pivotally connected to the housing, means including the wheels for creating a high frequency electric field between said pe-

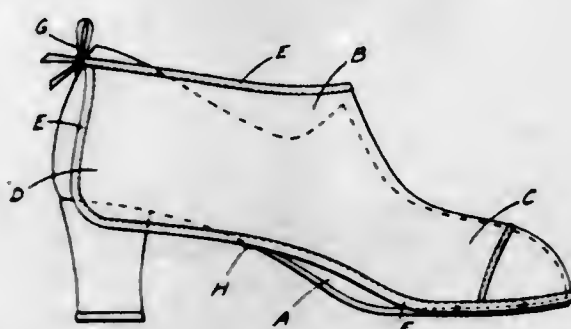
ripheral portions of the wheels, and driving means electrically insulated from the last-mentioned means for rotating both of the wheels positively and simultaneously about their respective axes, said driving means comprising a rotary driving unit carried by the base remote from the bracket arm, a worm gear within the bracket arm and rotatable in timed relation to the driving unit, and gearing connected to each of the shafts and operatively engaging the worm gear.

2,434,331

SHOE APRON OR PROTECTOR

Beulah F. Miller and Ernest F. Probst,
Cleveland, Ohio

Application April 12, 1946, Serial No. 661,728
1 Claim. (Cl. 36-72)



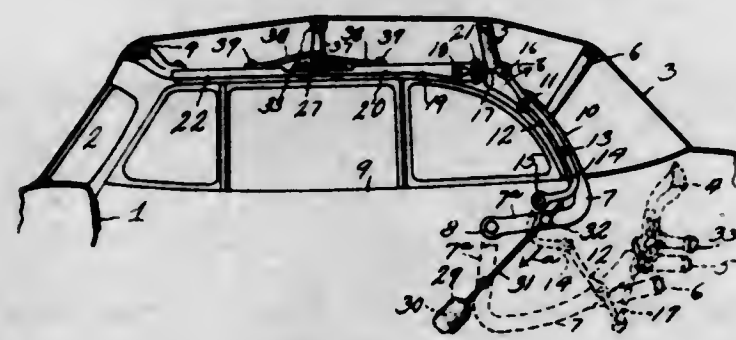
A shoe protector of the nature described, comprising a front portion of bottomless hollow-like form to extend over and receive the front upper portion of a shoe, side portions at the rear of the front portion, extending therefrom, to cover the sides of a shoe at the rear thereof, means to attach the protector over a shoe, the side portions being integral continuations of the front portion, combined with tape reinforcing for the edges of the protector, said tape reinforcing being extended away from the protector at the rear extremities of the side portions to form the laces.

2,434,332

CONVERTIBLE AUTOMOBILE TOP

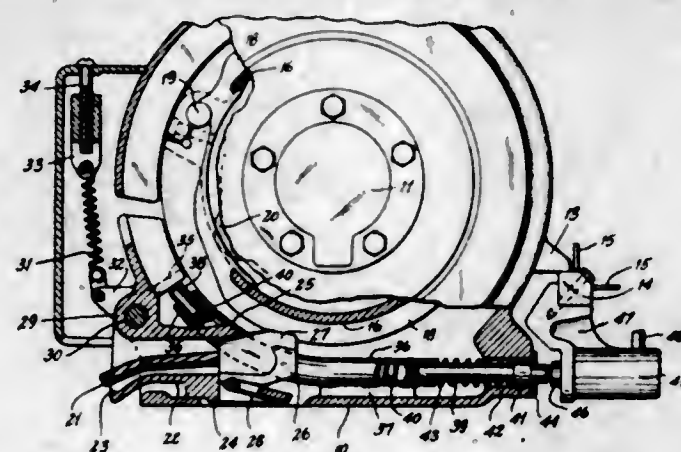
Jules A. Olivier, Grosse Pointe Farms, and
Warren E. George, Detroit, Mich.

Application January 15, 1946, Serial No. 641,296
4 Claims. (Cl. 296-116)



1. A collapsible vehicle top frame comprising a forward bar, rear bows, a pivoted operating lever carrying said rear bows, side bars connecting the lever and the forward bar, said side bars being formed from hinged connected sections, inwardly collapsible, a rock lever carried by the first mentioned levers, a link connection between the rock levers and stationary points, the rear ends of the side bars being horizontally hinged to the first mentioned levers, link connections between the rock levers and the side bars adjacent their rear hinged points and forming means whereby the sectional side bars will be collapsed inwardly and moved rearwardly upon pivotal movement of the first mentioned levers.

2,434,333
WELL DRILLING EQUIPMENT
John H. Schreiber, St. Louis, Mo.
Application February 13, 1946, Serial No. 647,322
5 Claims. (Cl. 254-173)

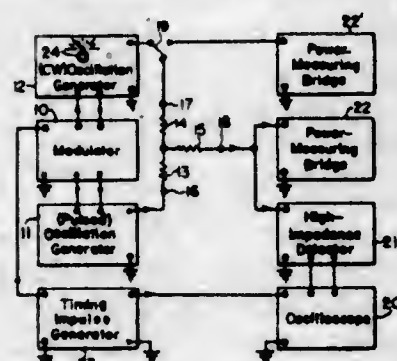


2. In well drilling equipment the combination with a rotary shaft having a cathead drum mounted thereon and a jerk line equipped with a shoe for engagement with and disengagement from said drum, of a carrier for said shoe comprising a pivoted sleeve rockable on a fixed pivot toward and from said drum, and means for operating said carrier including a plunger mounted to be protracted and retracted by fluid power, and a flexible connection between said plunger and said carrier constructed to rock said carrier in response to the reciprocation of said plunger.

2,434,334
HIGH-FREQUENCY PULSE MEASURING SYSTEM

Charles B. Sheppard, Cheltenham, Pa., assignor to
Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application July 5, 1946, Serial No. 681,608
11 Claims. (Cl. 171-95)



1. An electrical system for making a predetermined measurement of recurring pulses of high frequency energy comprising, means for supplying a high frequency signal having recurring interruptions that occur in approximate time coincidence with and have a duration at least equal to that of said pulses, means for combining said high frequency signal and said pulses to obtain a substantially continuous wave signal, means for adjusting the amplitude of said high frequency signal to cause said continuous wave signal to have a substantially uniform amplitude-time characteristic, and means for making said predetermined measurement on one of said high frequency and continuous wave signals.

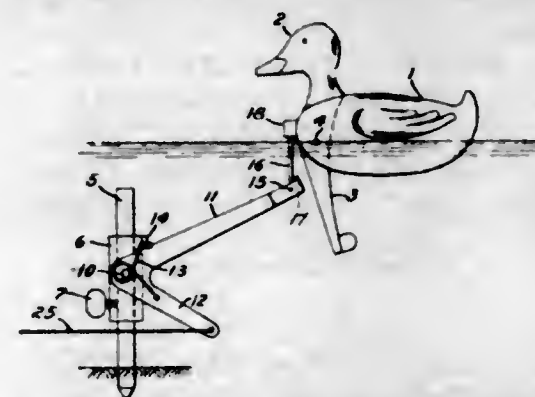
2,434,335

DECOY

Alfred M. Signalness, North Bend, Oreg.
Application November 6, 1945, Serial No. 626,988
9 Claims. (Cl. 43-3)

1. In a decoy, the combination with an artificial buoyant body of a water fowl having a head portion pivoted thereon in such a position that it may be tilted to submerge the beak, said pivot

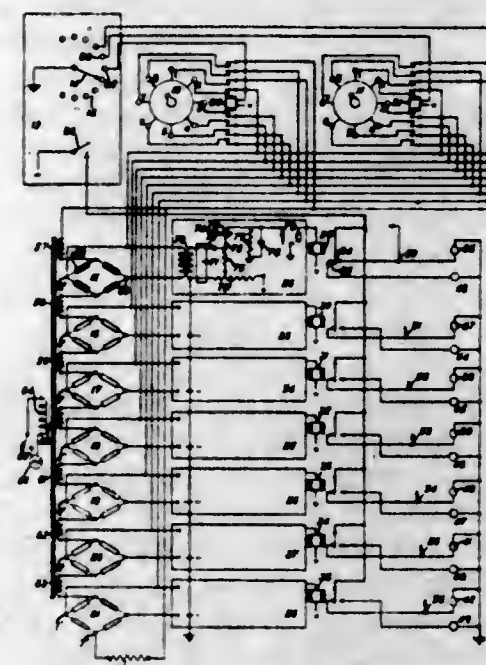
being so located with reference to the point of balance of the body on the water that movement of the head beyond that of submergence of the beak will up-end the body, of an anchorage,



operating connections between the anchorage and the decoy for floating the decoy normally and manipulating said head and body, and a cord extending from said connections.

2,434,336
CONTINUITY AND SHORT-CIRCUIT TEST SET

Harry N. Snook, Maywood, N. J., assignor to
Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1946, Serial No. 669,821
7 Claims. (Cl. 315-365)



1. In a test set a plurality of Wheatstone bridges each having two pairs of conjugate terminals, means including a source of potential connecting one pair of terminals of all the bridges in a closed series loop, a plurality of test points between which tests are to be made, connections between the test points and one of the other pair of terminals of each bridge, and indicator means for each bridge connected across said other pair of terminals.

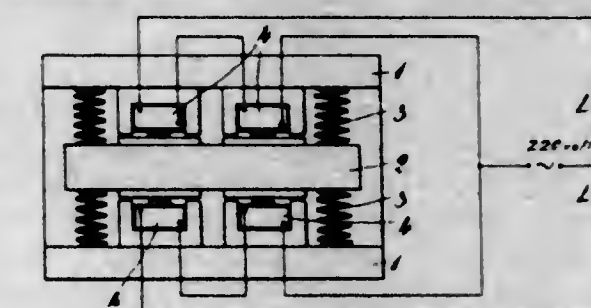
2,434,337

ELECTROMAGNETIC VIBRATION MOTOR

Folke Bruno Söderström, Linköping, Sweden, assignor to Vibro-Plus Corporation, New York, N. Y., a corporation of Delaware
Application September 10, 1943, Serial No. 501,895
In Sweden July 2, 1942
5 Claims. (Cl. 172-126)

1. In an electro-magnetic vibration motor in combination, an armature, at least one pair of electro-magnets rigidly connected and opposing each other on either side of said armature, said armature being combined with the electro-magnets by means of resilient members and arranged to be reciprocated by said electromagnets, means for passing the positive half-waves of an alternat-

ing current predominantly through the electro-magnetic system on one side of the armature and the negative half-waves predominantly through the opposing electro-magnetic system, whereby the armature will be attracted in alternation by

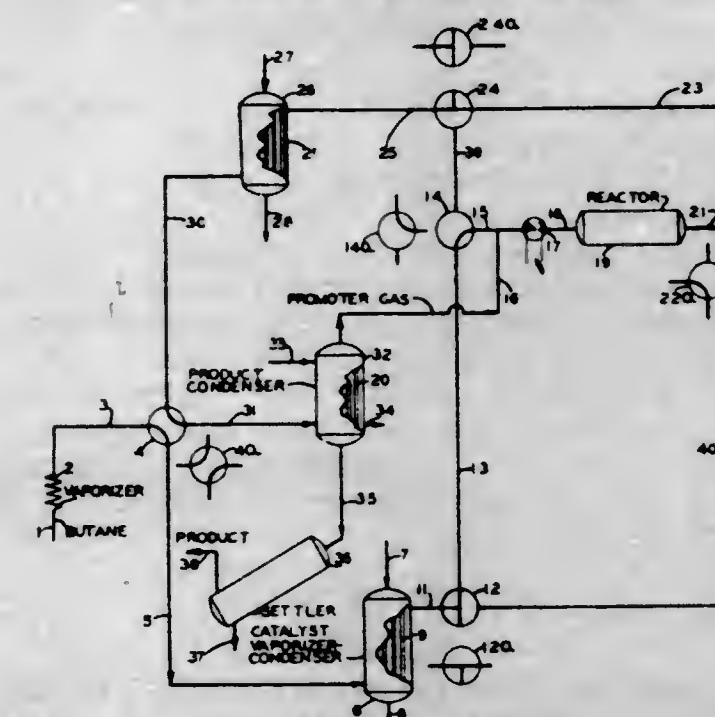


said system, and means for firmly connecting one of said oscillating systems formed by said armature and electro-magnets to an apparatus to be vibrated the other of said systems being free-swinging in a spring suspension.

2,434,338

PARAFFIN HYDROCARBON ISOMERIZATION
Ernest Solomon, Nutley, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application January 29, 1942, Serial No. 428,646
4 Claims. (Cl. 260-683.5)



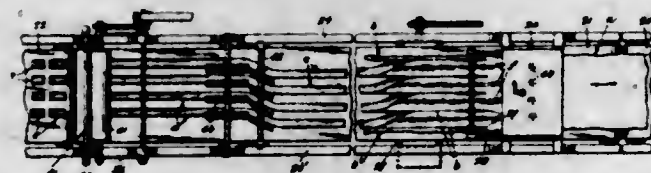
1. The method for isomerizing hydrocarbons which comprises passing hot hydrocarbon vapors through a catalyst vaporizing and condensing zone and into contact therein with a normally solid volatile metallic halide isomerizing catalyst deposited in solid form upon the heat transferring surfaces of means adapted for the indirect exchange of heat between different fluid streams to effect the formation of a vaporous mixture of hydrocarbon vapors and vapors of the normally solid metallic halide isomerizing catalyst, passing the resulting vaporous mixture out of contact with said solid metallic halide catalyst and into an isomerization reaction zone free from deposited solid metallic halide isomerizing catalyst and sufficiently large to provide a holding time effective to permit the reaction to proceed, maintaining said gaseous mixture in said reaction zone under isomerizing conditions which prevent any substantial condensation of said vaporized metallic halide catalyst in said reaction zone, then passing said reaction mixture through a second catalyst vaporizing and condensing zone in contact with heat transferring surfaces of means adapted for the indirect exchange of heat between different streams, maintaining said heat transferring surfaces in said second catalyst vaporizing and condensing zone sufficiently cool to effect substantial condensation and deposition of said nor-

mally solid metallic halide isomerizing catalyst without condensing hydrocarbons, then reversing the flow of the vaporized hydrocarbons whereby they flow first through said second catalyst vaporizing and condensing zone to vaporize metallic halide isomerizing catalyst previously condensed and deposited therein from the said vaporous mixture of hydrocarbon and metallic halide vapors, passing the last-mentioned vaporous mixture through the reaction zone in the manner described, and then passing the reaction mixture from the reaction zone through said first catalyst vaporizing and condensing zone under conditions effective to condense and deposit therein metallic halide isomerizing catalyst without condensing hydrocarbons.

2,434,339

PRODUCTION OF COFFEE CAKES

Le Conie Stiles, Seattle, Wash.

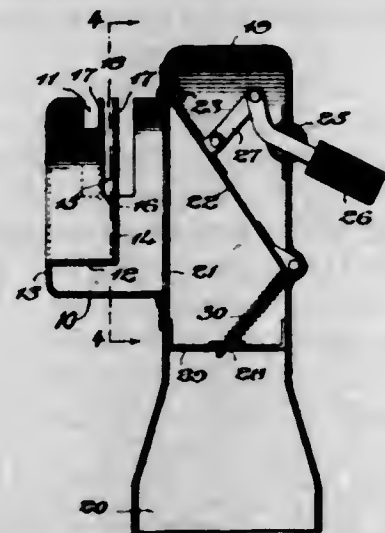
Application March 22, 1944, Serial No. 527,583
9 Claims. (Cl. 107—21)

1. In a machine for the production of baker's "bear-claws," and in combination with a conveyor arranged and adapted to carry an elongated strip of dough which has been folded as a wrapper about a filling of fruit-mix: a notching wheel provided about its periphery with circumferentially spaced radial teeth and journaled for free rotary movement about a transverse axis to have the teeth bear upon the conveyor and receive a friction drive therefrom; yielding means for depressing said wheel against the conveyor and means for guiding the conveyed dough body to the notching wheel to have the latter marginally notch the body for describing "claws" along the open-side edge thereof.

2,434,340

NOZZLE FOR DIRECTING HEATED AIR TO WINDSHIELDS

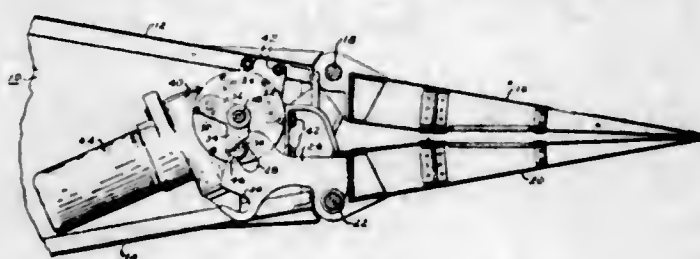
George R. Wallen and Herbert R. Trausneck, New York, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware

Original application November 4, 1944, Serial No. 562,027. Divided and this application December 19, 1945, Serial No. 635,855.
3 Claims. (Cl. 299—140)

3. A nozzle comprising a tubular element open at its rear end for supply of air thereto and closed at its outer end, said element having in its side wall an arcuate slot for discharge of air therefrom, and means providing within said element

an open ended atmospheric air passageway extending at one end through the outer end of said element and having its other end portion of narrow-width arcuate shape and substantially coextensive angularly with said slot and disposed within and spaced from the sides of said slot so that air may be discharged from said tubular element through said slot to either side of the said other end portion of said passageway and by its discharge will act to draw atmospheric air through said passageway for intermixture therewith.

2,434,341

WING FLAP ACTUATING MECHANISMEmil Anderson, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application September 2, 1943, Serial No. 500,883
3 Claims. (Cl. 244—42)

1. In an aircraft, a wing, a wing flap pivotally mounted with respect thereto, a rotatable shaft, a pair of angularly disposed arms rotatable by said shaft, a lever secured to said flap and formed with a pair of cam surfaces thereon, and cam actuating means carried by each of said arms and cooperating with the respective cam surfaces for transmitting torque from said arms to rotate said lever, the contours and relative disposition of said cam surfaces and the angle between said arms being such that in at least two positions of rotation of said lever extraneous force applied to said flap tending to rotate said lever is transmitted through one of said cam surfaces and the cooperating cam actuating means in a line normal to the one cam surface at the point of contact with the cooperating means and intersecting the center of rotation of said shaft and in at least another position of rotation of said lever such an extraneous force is transmitted through the other of said cam surfaces and the cam actuating means cooperating therewith in a line normal to said other cam surface at the point of contact with the cooperating means and intersecting said center of rotation.

2,434,342

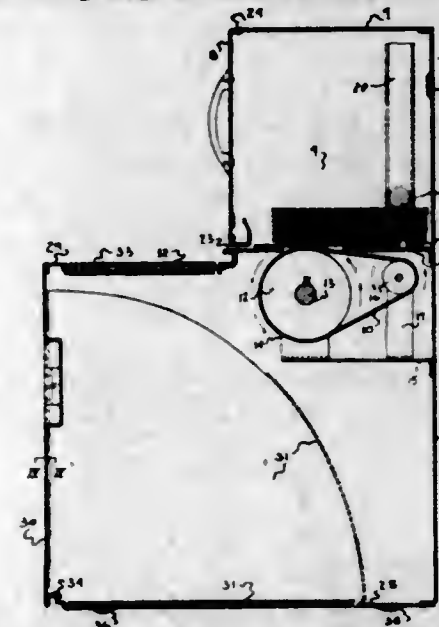
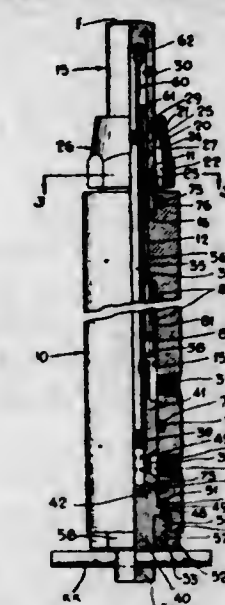
PAPER TOWEL OR PAPER NAPKIN DISPENSING DEVICE

Thomas F. Anderson and Herman Taber, Cleveland, Ohio

Application September 29, 1945, Serial No. 619,288
2 Claims. (Cl. 312—54)

1. A dispenser for individually folded and stacked paper towels or napkins, comprising a front wall, a rear wall, two side walls, a top and a bottom, the bottom having a plurality of openings, a shaft having a plurality of wheels fastened thereon, said shaft being rotatably mounted underneath said bottom with said wheels slightly protruding through said openings, an auxiliary wheel in alignment with each of said shaft fastened wheels, an endless belt joining each of said shaft fastened and auxiliary wheels and having a friction surface exposed through one of said openings, a slot at the bottom of the front wall of said dispenser, said shaft protruding through one of said side walls and having turning means

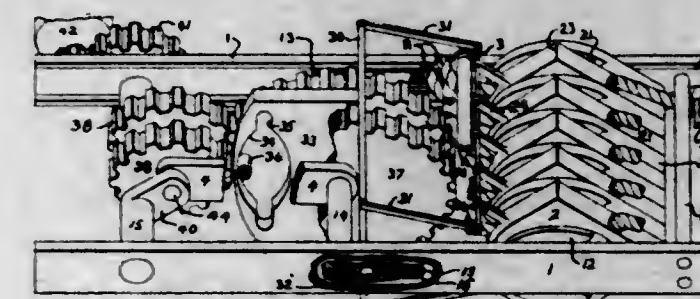
thereon, said bottom having a plurality of stationary friction pads adjacent said rear wall, each of said friction pads having a smaller area than that of the exposed surface of said endless belt, said bottom sloping downwardly toward said rear

**RESISTANCE WELDING ELECTRODE AND HOLDER**Richard C. Barkeley, Los Angeles, Calif.
Application June 14, 1943, Serial No. 490,724
20 Claims. (Cl. 219—4)

1. In a welding electrode and electrode holder assembly, the combination of an electrode rod having a cylindrical, unthreaded, bored out shank portion of uniform diameter, an elongated holder body having a longitudinal uniform diameter bore extending inwardly from one end thereof and adapted to receive said shank portion with a close sliding fit, a coolant duct in said holder body communicating with said bored out shank portion, and means for clamping said electrode in said bore.

13. In an assembly of the character described, the combination of a resistance welding electrode having a coolant cavity defined at least in part by an electrode surface from which heat is to be extracted, a holder for said electrode including means on said holder cooperating with said cavity in the definition of a coolant channel extending across said surface, said means and said electrode surface being cooperatively profiled to define a constriction in the said channel by which the velocity of coolant flow is locally increased across said surface and the pressure of the fluid is correspondingly reduced.

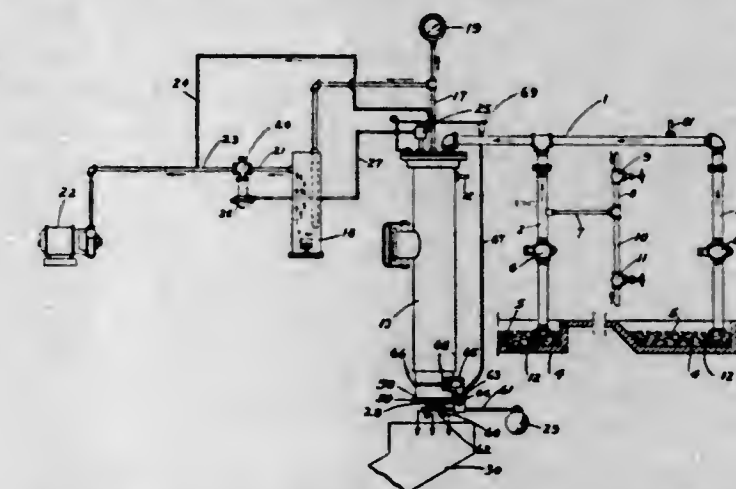
2,434,344

LOOM MECHANISMHarry A. Beckstrom, Seattle, Wash.
Application July 31, 1944, Serial No. 547,373
27 Claims. (Cl. 139—11)

8. The method of weaving rope mats or the like, which comprises forming a warp shed of relatively stiff strands, laying within the shed a relatively flimsy pick thread, reversing the shed, and advancing a batten into the apex of the shed to engage the warp strands and to pack the weave.

24. Weaving mechanism comprising shedding members each operatively engaged with a warp strand, means to shift said shedding members into different shed-forming positions, batten means associated and movable with each of said shedding members to lie within the shed upon completion of a new shed, and means to shift said batten means bodily into the shed, to engage the strands thereof and to pack the weave.

2,434,345

CONVEYING MECHANISMGove Saylor Boylan, Ridgway, Pa., assignor to United States Leather Company, New York, N. Y., a corporation of New Jersey
Application November 1, 1944, Serial No. 562,942
10 Claims. (Cl. 302—59)

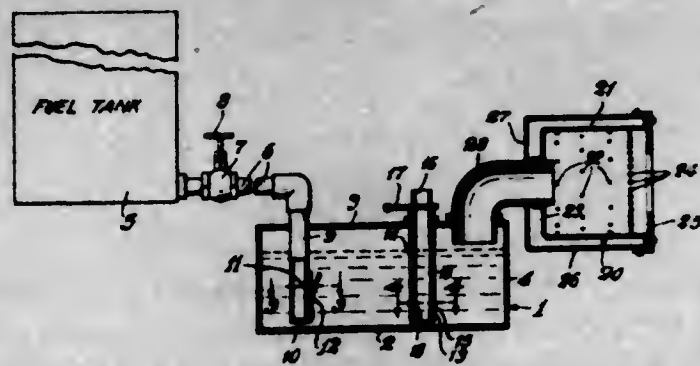
1. A conveying system of the character described comprising a receiver, a collecting pipe to deliver material to the receiver, a vacuum source connected to the receiver, a diaphragm chamber connected to the receiver to maintain the same degree of vacuum in the diaphragm chamber as in the receiver, a diaphragm in said chamber, a counter-weight operatively connected to the diaphragm, a dash pot chamber, a piston mounted in the dash pot, and a valve controlled by movement of the counter-weight and adapted to admit air to the collecting pipe.

2,434,346

GENERATOR BURNER AND FUEL CONTROL THEREFORJames L. Breese, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application January 15, 1944, Serial No. 518,340
6 Claims. (Cl. 158—37)

1. In a vaporizing burner assembly means forming a vaporization chamber, means for con-

trollably supplying air to the interior thereof, a burner in communication with the vaporization chamber at a level above the level of liquid fuel in said vaporization chamber, means for delivering liquid fuel to the interior of the vaporization chamber from a remote source, and means for thermally controlling the flow of fuel

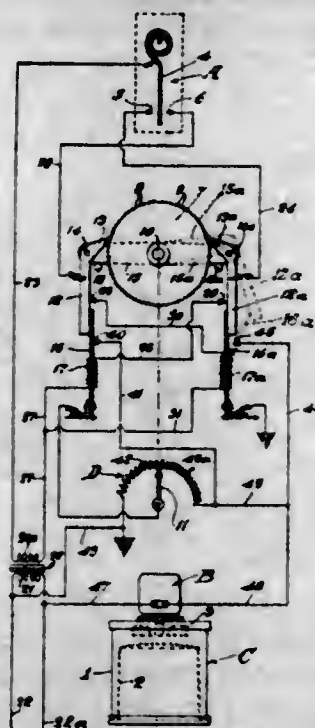


into said vaporization chamber, including a thermally responsive member located within the vaporization chamber, at a point substantially below the maximum fuel level therein, said thermally responsive member being formed and adapted to increase the fuel supply in response to an increase in temperature at the thermally responsive member.

2,434,347

TEMPERATURE RESPONSIVE MOTOR CONTROL SYSTEM

James L. Breese, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application July 13, 1944, Serial No. 544,738
8 Claims. (Cl. 318—334)



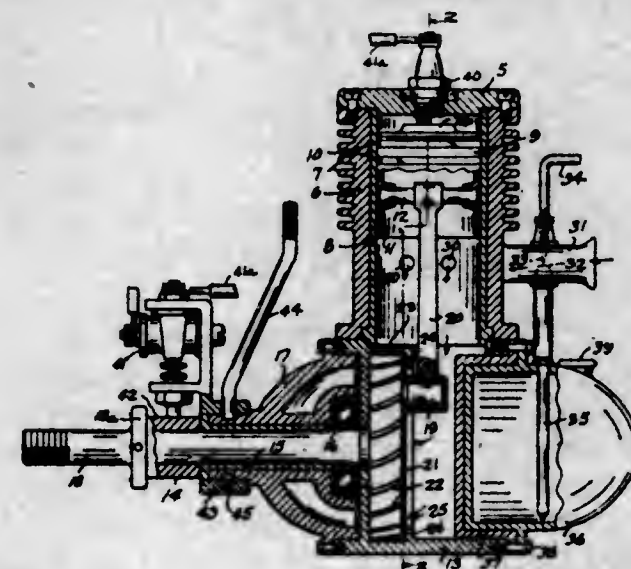
1. In a modulating control system, a motor and an actuating circuit therefor, a rheostat including a resistance and a rheostat arm, in said motor circuit, a thermostat responsive to ambient temperature, including a heat responsive movable member and a plurality of contacts adapted to be engaged thereby, one when the movable member responds to a predetermined drop in temperature and the other when it responds to a predetermined rise in temperature, means for moving the rheostat arm in one direction, in response to contact of said movable member of the thermostat with one said contact, and means for moving said arm in the opposite direction, in response to contact of said movable member with the other said contact, part of the rheostat resistance, and the rheostat arm, being in circuit with the motor when the movable thermostat member is in a position intermediate said two contacts, and means for putting the entire rheo-

stat resistance in circuit with the motor in response to the engagement of one of said contacts by the movable member in response to a rise in temperature.

2,434,348

CRANKCASE COMPRESSION SUPERCHARGER FOR ENGINES

George H. Brown, Danbury, Conn.
Application January 9, 1946, Serial No. 639,943
7 Claims. (Cl. 123—73)

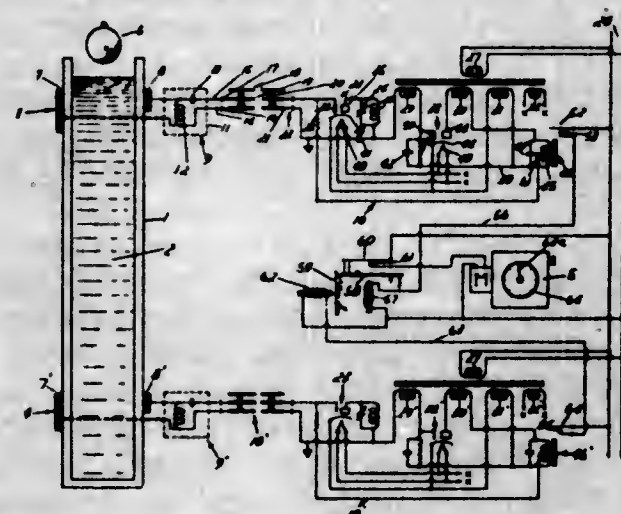


5. An engine of the character described comprising a cylinder, a crank-case connected therewith, a crank-shaft leading from one side of the crank-case and including a crank in said case, a piston in the cylinder, a connecting rod connecting the piston with the crank, a turbine supercharger mounted on the crank-shaft to rotate therewith in the crank-case, a fuel tank mounted on the opposite side of the crank-case from the shaft, a carburetor, a fuel supply connection from the fuel tank to the carburetor, means for conducting the fuel mixture from the carburetor to the crank-case, walls forming a chamber enclosing the supercharger and an inlet passage from the crank-case to said chamber, a discharge passage leading from the chamber to the cylinder above the piston, and the supercharger being arranged to draw the fuel mixture from the crankcase and force it through said discharge passage to the cylinder.

2,434,349

VISCOSITY MEASURING APPARATUS

Theodore A. Cohen, Chicago, Ill., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1943, Serial No. 477,292
3 Claims. (Cl. 161—18)



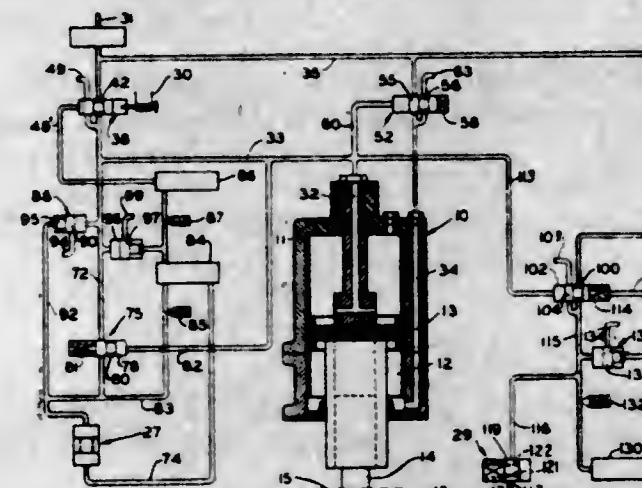
1. In a system for timing the passing of a body between spaced points, a pair of spaced impedance change devices, each comprising a pair of spaced capacitor plates, oscillator means, in-

cluding two output circuits, and controlled by one of said devices said means providing an on and off trigger-like impulse in one output circuit as said body passes between the plates of said device and controlled by the other one of said devices to provide a similar impulse in the other output circuit as said body passes between the plates of said other device, a relay adapted to be energized under the control of said first output circuit and provided with a switch, a time controlled device in circuit with said switch and adapted to be started upon the closing thereof and the energization of said relay, a latch adapted to hold said relay and switch closed to maintain said time controlled device on and an electro-magnet adapted to be energized under the control of the second output circuit and adapted to release said latch to open said switch.

2,434,350

CONTROL UNIT FOR WELDERS

Edward O. Courtemanche, Roseville, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 17, 1945, Serial No. 635,488
11 Claims. (Cl. 219—4)



1. In electric welding apparatus, a source of fluid under pressure, a cylinder having a piston slidably mounted therein, an electrode movable into and out of engagement with the work by said piston, a valve between the source and cylinder for controlling the flow of fluid under pressure to the cylinder, an electric circuit including a solenoid for opening said valve to establish communication between the source and cylinder, a manually operable switch in said circuit, a repeat switch connected in the circuit in series with the manually operable switch and also connected to the source of fluid pressure in advance of the control valve, and a repeat valve located in the fluid connection between the source and repeat switch and having a valve member operated by fluid under pressure under control of said control valve.

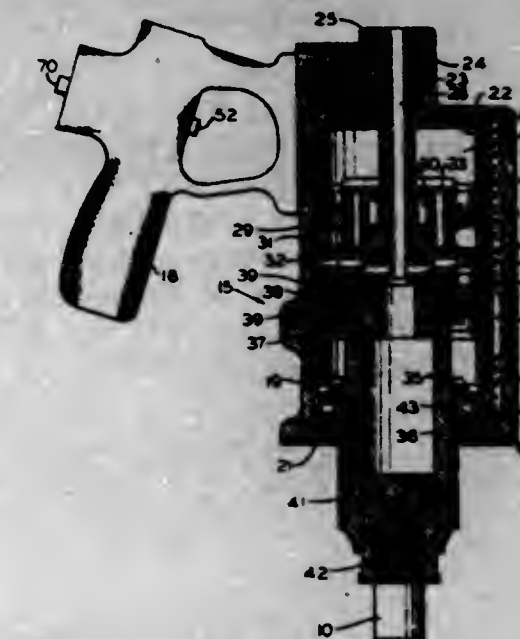
2,434,351

WELDING DEVICE

Edward O. Courtemanche, Roseville, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 17, 1945, Serial No. 635,489
5 Claims. (Cl. 219—4)

1. A welder comprising a cylinder having a stop intermediate the ends thereof, a piston slidably mounted in the cylinder, an electrode connected to said piston, means for limiting the stroke of the piston including a second piston slidably mounted in the cylinder and engageable with said stop, means for alternatively introducing fluid under pressure into the cylinder at opposite

ends of the electrode piston to move the electrode into and out of engagement with the work to be welded, means on the electrode piston engageable with the inner end of the second piston, means for by-passing fluid under pressure to the cylinder at the outer end of the second piston, the area of the outer end of the second piston exposed to the fluid pressure being greater than the area of the

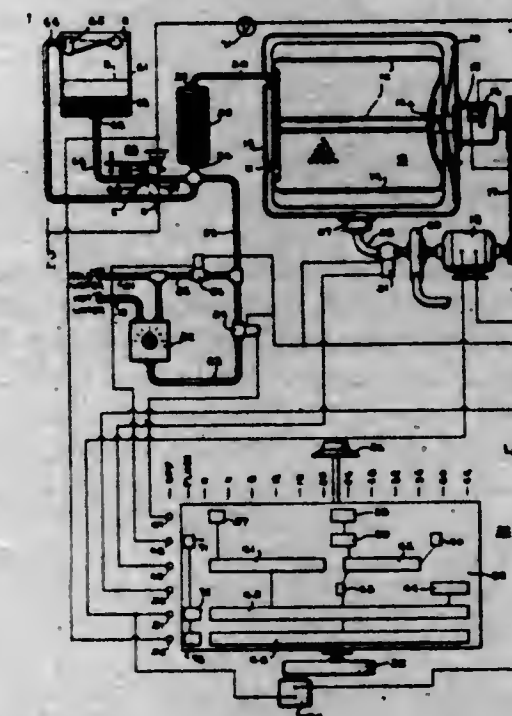


inner end of the second piston whereby the latter is held seated on the stop against movement by the fluid pressure acting on the electrode piston, and selectively operable means for relieving the pressure acting on the outer end of the second piston to permit movement thereof by the fluid pressure acting on the electrode piston and thereby increase the length of stroke of the electrode piston.

2,434,352

WASHING APPARATUS HAVING A WATER-SOFTENING MECHANISM CONTROLLED THEREWITH

Hilbert E. Edwards, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 2, 1943, Serial No. 500,940
11 Claims. (Cl. 68—12)



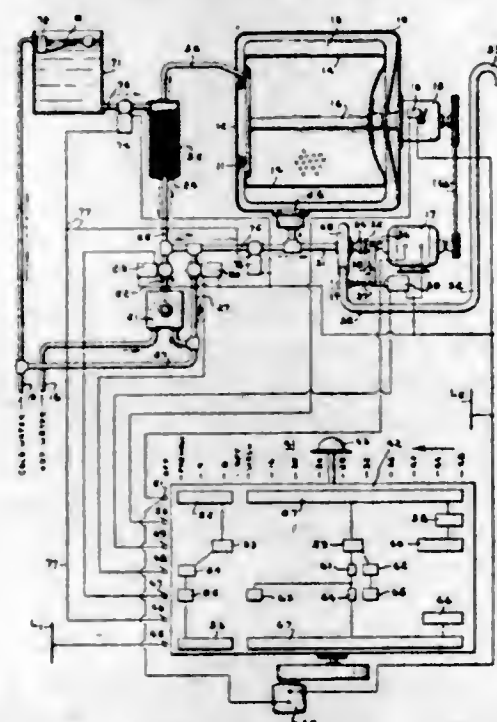
1. In washing apparatus, the combination of a tub for containing a body of washing water, a container for a water-softening agent, means for conveying softened water from the container to the tub, a valve controlling the flow of water through said container, control means associated with the washing apparatus and movable to respective stations for opening and closing said valve, a source of regenerating material for regenerating said water-softening agent, adjustable means manually movable to a first position

for delivering regenerating material to said container and to a second position for isolating the regenerating material from the container, and means responsive to adjustment of the adjustable means to said first position for rendering said control means ineffective to open said valve regardless of the station to which the control means is adjusted.

2,434,353

WASHING APPARATUS HAVING AN AUTOMATICALLY CYCLED REGENERATIVE WATER-SOFTENING SYSTEM

Hilbert E. Edwards, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 2, 1943, Serial No. 500,941
3 Claims. (Cl. 68—12)



1. In washing apparatus of the automatic cycle type including a tub for containing a body of washing water and the material to be washed, means for washing the material within the tub, a conduit for delivering water to the tub and having an inlet valve therein, means for draining water from the tub and a timing device for sequentially operating said washing means, valve and draining means so that a predetermined sequence of steps in a washing program is effected, the combination of a container for a water-softening agent connected in said conduit and having an inlet port communicating with said inlet valve and an outlet port communicating directly with said tub, a vessel for containing fluid for regenerating said agent, valve controlled means connecting said vessel and the portion of the container adjacent the outlet port thereof, second valve controlled means connected to the portion of the container adjacent the inlet port thereof and controlling the discharge of regenerating fluid from the container, and means actuated by the timing device for operating the first and second valve controlled means for a predetermined period of time when the inlet valve is maintained closed by the timing means.

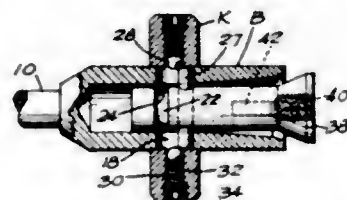
2,434,354

DRIVER FOR STUDS AND THE LIKE

Eugene R. Emmons, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application August 14, 1944, Serial No. 549,315
4 Claims. (Cl. 81—112)

1. A driving chuck for studs and the like comprising a body adapted to be rotated, said body having a bore, a plurality of jaws axially mov-

able in said bore, a pin through said jaws and connecting them together, said pin pivotally mounting said jaws intermediate their ends, said body having longitudinal slots for the ends of said pin, spring pressed balls coacting with said pin to normally bias it to one or the other limits of its movement in said slots, said jaws having enlarged parts engaging with a portion of said bore to contract the jaws when they are pushed into said bore, said jaws having an interior thread

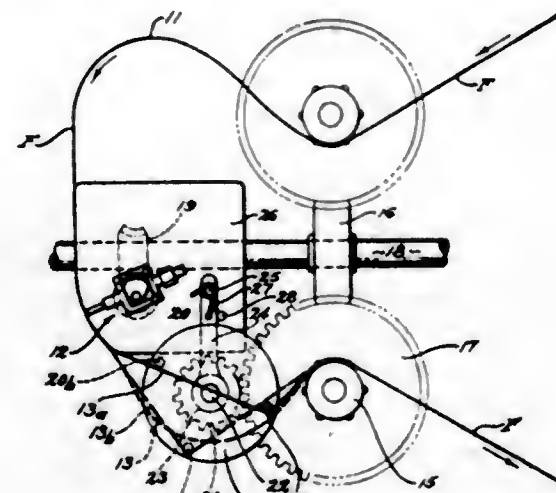


to be engaged by a driver stud or the like whereby said stud may be used to position said stud in the jaws, said driver being removable from said stud after the same has been set, by withdrawal of said body relative to the stud, the stud thereby effecting an outward movement of said jaws to open the same, a resilient ring around the inner ends of said jaws to open them, and a disc-like knob surrounding said body and having said spring pressed balls located therein.

2,434,355

AUTOMATIC LOOP REPLENISHER

Henry N. Fairbanks, Beverly Hills, Calif., assignor to Mitchell Camera Corporation, West Hollywood, Calif., a corporation of Delaware
Application September 24, 1945, Serial No. 618,163
4 Claims. (Cl. 88—18.4)



1. In a kinetograph mechanism having an intermittent film moving mechanism and a constantly driven take-up sprocket to which the film normally passes through a loose loop from the intermittent mechanism; a loop replenishing device comprising a crank having a crank pin which stands inside the normal loose loop, a mutilated gear rotatively connected to the crank to drive it, a constantly rotating driving gear with which the mutilated gear is adapted to mesh, the mutilated gear normally standing in a position where its mutilation is adjacent the driving gear and the corresponding normal position of the crank pin being between the extreme inner and outer positions which it passes through in rotation, so that a shortening film loop engaging the crank pin from the outside will move the pin inwardly to mesh the gears.

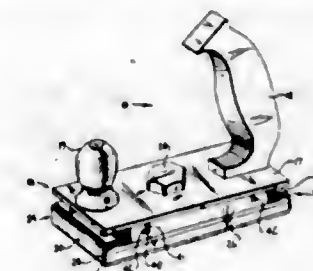
2,434,356

INTERCHANGEABLE SANDPAPER DEVICE

William Finkelstein, Rye, N. Y.
Application July 27, 1946, Serial No. 686,681
8 Claims. (Cl. 51—187)

1. In a sanding device, a paper mounting portion, a handle portion, means mounted on said

two portions and adapted to detachably lock them together, said means comprising complementary substantially rectangular flanges mounted on each portion, a pin mounted so as to slide in a slot in the inner flange of said flanges, means for



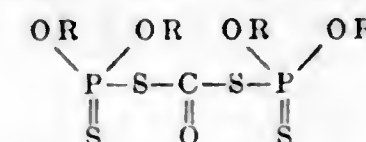
actuating said pin in one direction in said slot and resilient means urging said pin in the opposite direction, and a slot formed in the outer of said flanges and in which said pin is slidable to lock said portions together and to unlock the same.

2,434,357

TETRA-ALKYL CARBONYL TETRATHIO DI-PHOSPHATES AND PROCESS FOR THEIR PREPARATION

Arthur H. Fischer, New York, N. Y., assignor to Minerec Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 27, 1943, Serial No. 504,067
6 Claims. (Cl. 260—455)

1. A compound having the following structural formula:

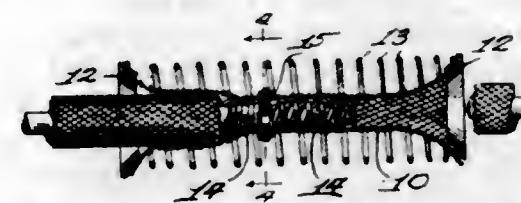


in which R represents a radical of the group consisting of ethyl and butyl.

2,434,358

CLAMPING CONNECTOR AND CARRIER

Louis Frank, Fellows, Calif.
Application August 4, 1943, Serial No. 497,331
2 Claims. (Cl. 174—84)



1. A clamping connector comprising a tube composed of flexible material adapted to expand circumferentially when shortened and to contract when lengthened, rings located on the ends of said tube, means for yieldingly resisting the movement of said rings toward each other a ring disposed within and secured to the center of said expandable tube and an expansive coil spring disposed within and having its central portion secured to said ring with its free portions extending in both directions towards the ends of said expandable tube.

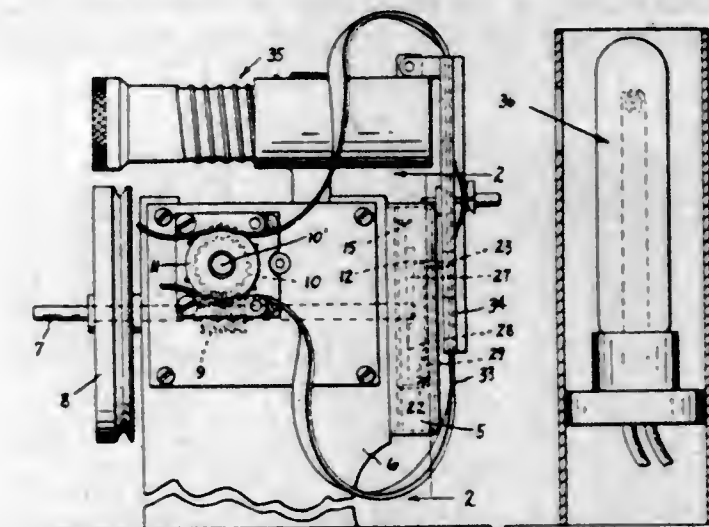
2,434,359

INTERMITTENT STRIP FEED PROJECTOR MECHANISM

Joseph A. Giroux, Southbridge, Mass.
Application May 21, 1946, Serial No. 671,161
7 Claims. (Cl. 88—18.4)

1. A device of the character described comprising a member having a slideway therein, a slide in said slideway, said slide having angularly disposed lip portions adjacent opposed ends thereof,

a member rotatably supported about a given center between said lip portions, said member having a peripheral cam portion embodying a raised dwell section concentric with and at a fixed distance from said center and having a lowered dwell section concentric with and at a fixed distance from said center which is less than the raised dwell section and which during the rotation of said member will cause the slide to be reciprocated longitudinally of the slideway with substantially no lost motion or play between said member and said lip portions, said member having a side surface cam portion embodying arcuate raised and lowered dwell sections substantially

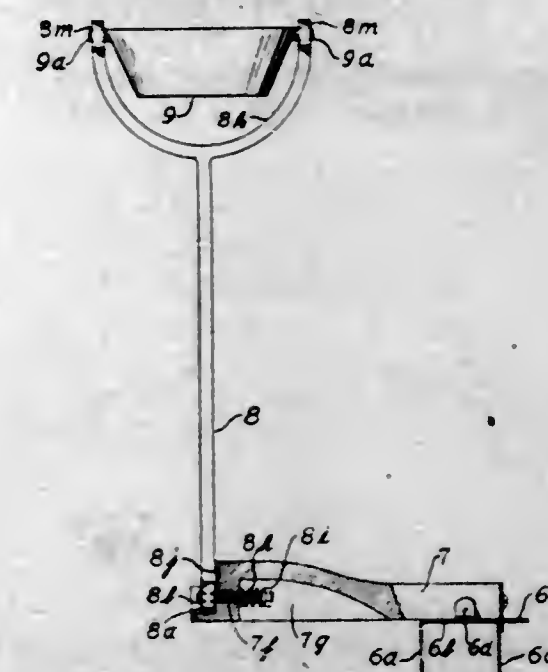


concentric with said given center with said raised dwell section extending substantially throughout the effective length of the lowered dwell section of the peripheral cam, an arm pivotally connected to one of said lip portions, said arm having an engagement portion adjacent the free end thereof for engaging the side surface cam and having claw members adjacent said end, and resilient means for normally retaining said engagement portion in engagement with said side surface cam, the dwell sections of said side surface cam and said peripheral cam portions being so controlled as to positional relation with each other as to impart a controlled movement to said claw members.

2,434,360

ADJUSTABLE ASH TRAY AND STAND FOR BEDS

John Hess, St. Louis, Mo.
Application February 3, 1947, Serial No. 726,152
2 Claims. (Cl. 248—226)

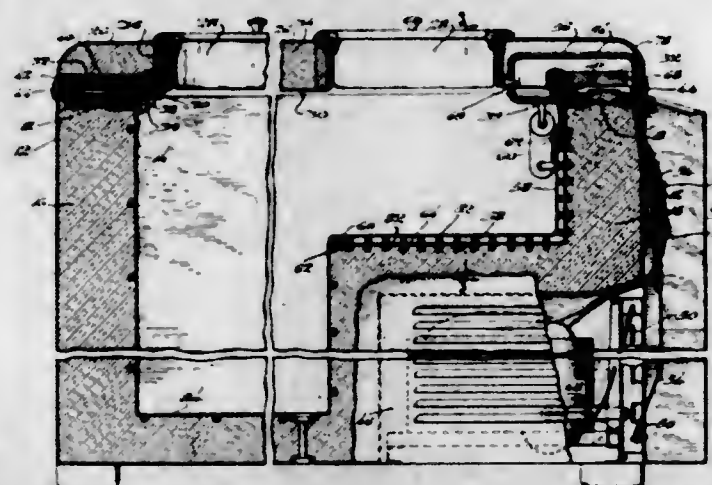


1. An ash-tray and stand for removable attachment to a bedstead having side-rails, the same comprising a supporting arm for the tray, a forked yoke at the upper end of the arm, an ash-tray pivotally suspended within the yoke for maintaining itself horizontally positioned not-

withstanding the tilting of the arm, means at the lower end of the arm for removably attaching the arm to a side rail of the bedstead, and means for adjusting the arm to its vertical positioning or to angular positioning at either side of the vertical, the ends of the yoke when the device is mounted upon the side-rail being aligned horizontally and transversely of the said side-rail.

2,434,361

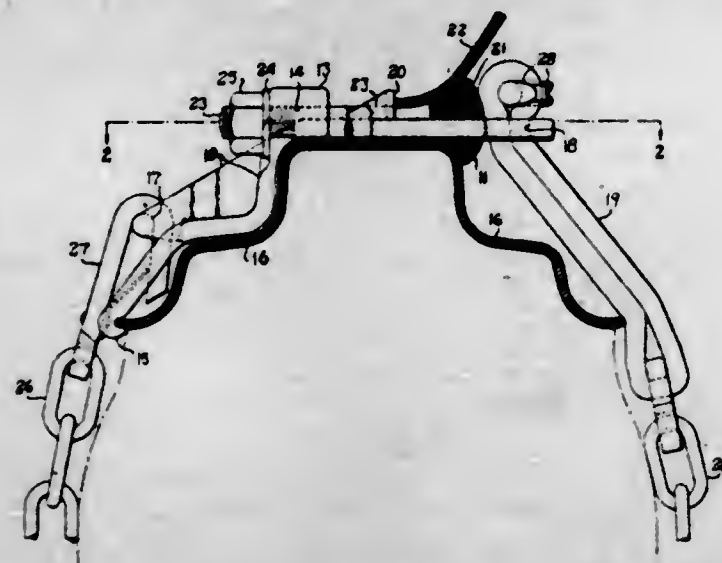
TWO-TEMPERATURE REFRIGERATOR
George K. Iwashita, Indianapolis, Ind., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application July 9, 1943, Serial No. 493,993
11 Claims. (Cl. 62-116)



1. A refrigeration unit comprising an interior liner forming a cold compartment, means exterior to said liner for insulating it from outside thermal conditions, an evaporator coil removably mounted within the cold compartment in heat exchange contact with the interior of said liner, an integral removable primary refrigerating unit of the hermetic type including a compressor and condenser connected in series with the evaporator coil, and a secondary coil mounted exteriorly of the liner and cooled by the primary evaporator coil, said secondary coil being wound freely about the liner, whereby a portion of the cold compartment is cooled primarily by the first-mentioned evaporator coil and the remainder of the cold compartment is cooled primarily by the secondary coil.

2,434,362

DEVICE FOR ATTACHING ANTISKID CHAINS TO VEHICLE WHEELS
Benjamin D. Landes, Middletown, R. I.
Application January 29, 1946, Serial No. 644,059
2 Claims. (Cl. 152-237)

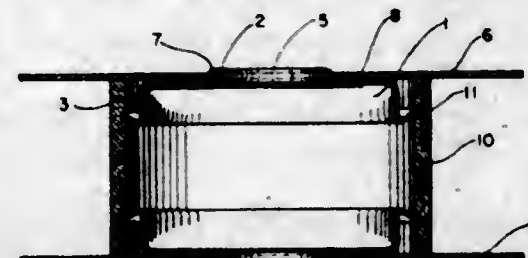


2. A bracket for attaching anti-skid chains to disked wheels, said bracket comprising a body-member having a rim-hook arranged to engage the edge of the wheel-rim; an apertured tongue arranged to extend across the rim of said wheel

to the opposite side thereof and a lug on said tongue arranged to engage the inner periphery of said wheel-disk; a wedge-member slidably supported on said tongue-portion on the said opposite side of said wheel, said wedge-member having a head-portion; fastening-means arranged to secure said wedge-member in an adjusted position on said tongue-portion so as to wedge the head-portion of said wedge-member between the outer periphery of the rim and disk of said wheel; a chain-hook on said body-member for connecting one end of said anti-skid chain thereto; and a chain-loop on the opposite end of said chain arranged to be connected in the aperture of said tongue to secure the opposite end of said anti-skid chain thereto.

2,434,363
SPOOL

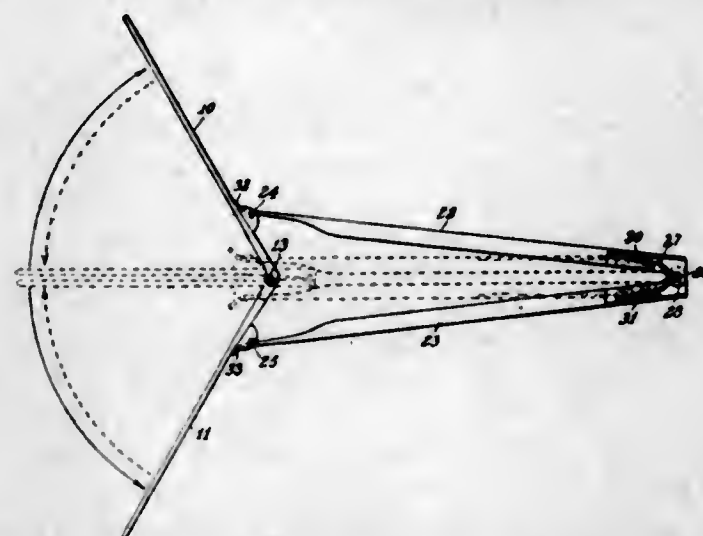
Frank J. Lenox, Weehawken, N. J.
Application April 27, 1946, Serial No. 665,520
7 Claims. (Cl. 242-119)



5. A spool head assembly for attachment to relatively resilient tubes comprising: a perforated head, a relatively rigid cylinder clamping the head around the perforation, the diameter of the cylinder being smaller than the inside diameter of the tube to which it is to be fastened, and a slanting projection from the cylinder having a larger diameter than the inside diameter of the tube whereby the cylinder clamped to the head may be forced within an end of the tube against the resiliency thereof without damaging the tube, but will be held against withdrawal by engagement between the projection and tube.

2,434,364

FLY CATCHER
Herman M. Linding, Ossining, N. Y.
Application January 20, 1944, Serial No. 518,939
3 Claims. (Cl. 43-137)

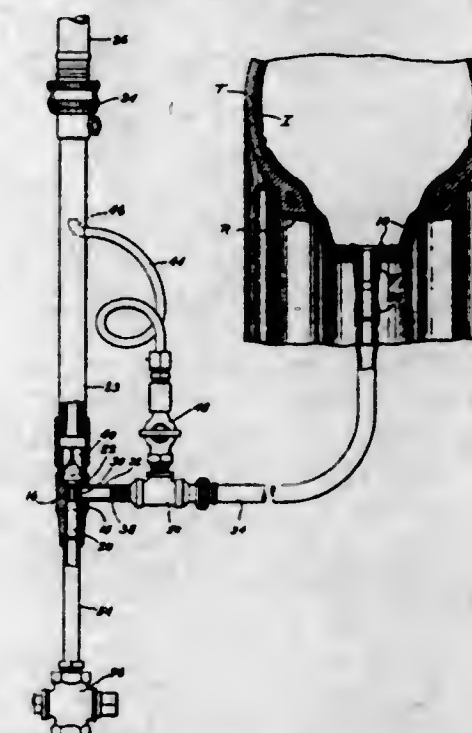


1. A fly-catcher or the like comprising a pair of foraminated flat plates having contiguous hinged-connected edges and opposite edges adapted to be moved toward and away from each other, legs hinged-mounted on the back of the respective plates at points nearer said hinged edges than said opposite edges thereof, a pivotal interconnection for said legs at a greater distance from said points than the respective distances between said hinged edges and said op-

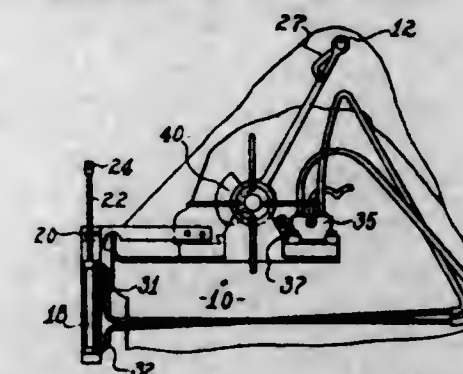
posite edges of the plates, a spring urging said legs apart, and lugs on the ends of said legs and lying in the path of separating movement of the plates by said legs under the urge of said spring to limit the separating movement of said plates.

2,434,365
VACUUM APPARATUS FOR FILLING TIRES WITH WATER

William W. McMahan, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Original application July 11, 1942, Serial No. 450,624. Divided and this application January 22, 1944, Serial No. 519,304
3 Claims. (Cl. 103-262)



1. Apparatus adapted to exhaust and then fill a pneumatic tire and inner tube assembly with liquid comprising a hydraulic jet vacuum mechanism, a main tube extending from the mechanism and adapted to be connected to a pressure hydraulic supply, a lateral tube extending from the mechanism at a point substantially adjacent to the jet and adapted to be connected to the inner tube, a conduit permanently connecting the main and lateral tubes for by-passing the mechanism, valve means for opening and closing the conduit, and valve means for closing the discharge of the mechanism and causing auxiliary flow of the hydraulic fluid through the lateral tube to the inner tube.

2,434,366
AUTOMATIC INFEED MECHANISM
William Mignona, Pottstown, Pa.
Application November 27, 1946, Serial No. 712,489
5 Claims. (Cl. 51-2)

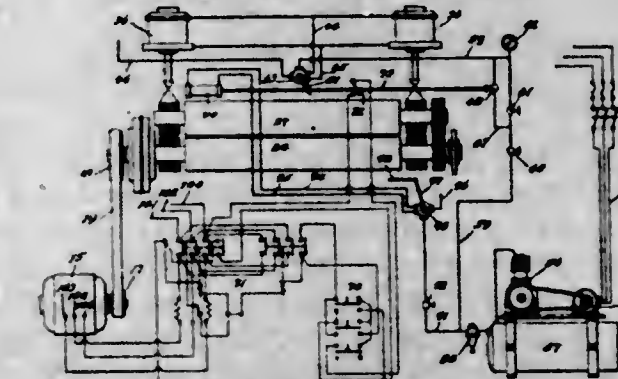
4. In combination with the hand feed lever of a grinding machine having a source of hydraulic fluid under pressure, hydraulically actuated means connected to said source for moving the hand feed lever including a cylinder, a piston in said cylinder having a piston rod projecting into

606 O. G.-19

the path of movement of said lever, interlocking elements associated with said piston rod and said lever engageable upon movement of said lever toward feed position, said piston serving to move said lever at a uniform rate through its feed range, and means to release said elements at the limit of feed movement of said lever.

2,434,367

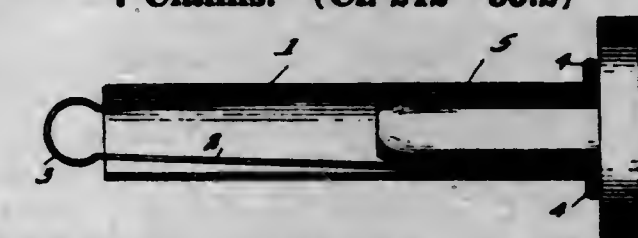
WRINGING MACHINE
Frank R. Moffatt and Alfred E. Gochringer, Ridgeway, Pa., assignors to United States Leather Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1945, Serial No. 632,294
9 Claims. (Cl. 69-43)



1. A leather wringing machine comprising a pair of rolls, stationary bearings receiving the ends of one roll, bearings to receive the ends of the second roll, the last mentioned bearings being slidably mounted, a cylinder arranged adjacent each of the bearings of the second roll, pistons in said cylinders, piston rods connected to the pistons and to the movable bearings, a motor to drive the rolls, a valve to control the delivery of fluid to either end of each of the cylinders, and a control member to disconnect the motor from the source of power and set the valve to deliver fluid to the ends of the cylinders which will cause the movable roll to recede from the stationary roll.

2,434,368

PAPER ROLL HOLDING FIXTURE
Ben Pederson, Chicago, Ill.
Application October 31, 1945, Serial No. 625,809
7 Claims. (Cl. 242-55.2)



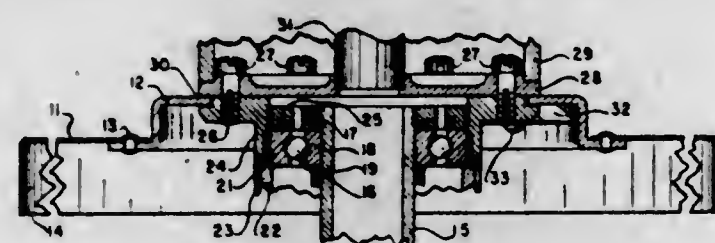
1. A fixture comprising a tube, a flexible strap bent into a hair pin form and extending through the interior of the tube, and lateral projections on the free ends of the strap for engagement with the edge of the tube at one end of the latter, the strap being long enough to allow it to project beyond the other end of the tube as a loop to surround a support and clamp the fixture to the support.

2,434,369

FRICTION CLUTCH AND DETENT MECHANISM ON INDICATOR DRIVE
Theodore C. Riebe, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 18, 1943, Serial No. 506,686
9 Claims. (Cl. 116-129)

9. The combination comprising a rotatable indicator member having indicia adjacent its pe-

riphery, a coaxial driving member therefor, said indicator member having a hub portion, said driving member having an annular recess for supporting the hub portion of said indicator, a plurality of spring means interconnecting said indicator hub portion with said driving member to bias said hub portion toward one side of said annular recess, each of said spring means comprising a pair of spring fingers supported from one of said members and engaging the other of said members, a selectively operable detent mech-

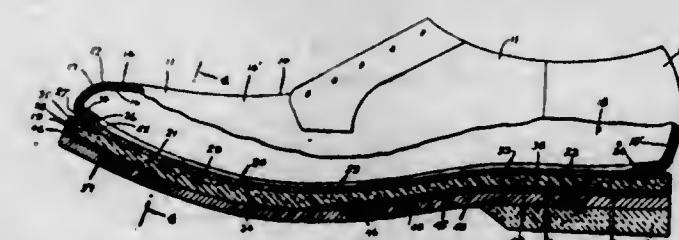


anism for stopping said indicator member at a predetermined position for orienting said driving member with respect to said indicator, said detent mechanism including a detent normally biased away from the periphery of said indicator member, a detent actuator for said detent comprising a spring lever for urging said detent in a direction for engagement with cooperating means on the periphery of said indicator member, and a notch member provided adjacent the periphery of said indicator for cooperation with said detent.

2,434,370

CEMENT TYPE SHOE WITH CUSHIONING MEANS

Esher A. Schmidt, New York, N. Y.
Application March 26, 1945, Serial No. 584,779
2 Claims. (Cl. 36-19.5)

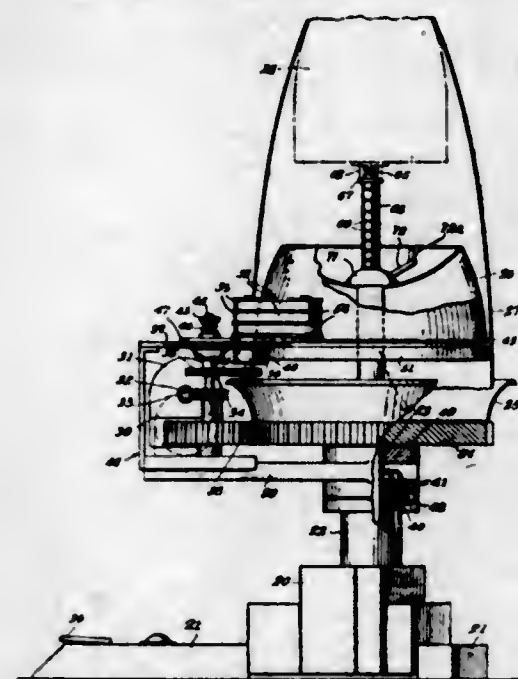


1. Shoe construction comprising: an upper shoe body; an insole having a downwardly extending peripheral flange; a cushion covering element, the peripheral edge of said upper shoe body being interposed between the flange of the insole and the upper edge of said cushion covering element and being secured thereat; a reinforcing strip composed of relatively stiff material disposed below and adjacent the upper edge of the cushion covering element; a cushion element; a lower reinforcing element disposed below said cushion element; said lower reinforcing element having an opening disposed between the front and rear portions thereof; said cushion element being disposed below the insole and secured thereto; said cushion covering element being lapped downwardly about the outer edges of the cushion element and secured to the lower reinforcing element; and an outsole secured to the outer surfaces of said cushion covering element and said lower reinforcing element, and being free of direct connection with said cushion element in the area of the opening in the reinforcing element, whereby the outsole lying under the ball of the foot, and the cushion element, may shift with respect to each other as the shoe is flexed.

2,434,371

DRESS BOTTOM CUTTER

David Sigmond, Brooklyn, N. Y., assignor of one-half to D. B. C. Sales Corporation, New York, N. Y.
Application January 23, 1942, Serial No. 427,893
5 Claims. (Cl. 164-71)

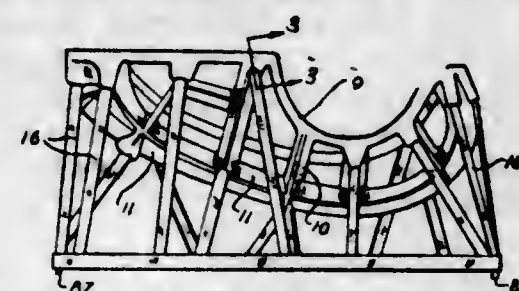


1. A machine of the character described comprising a base, a gear fixed to said base, a carriage mounted on said base, a pinion gear on said carriage and engaged with the mentioned gear, a motor carried by the carriage for driving the pinion gear to cause the carriage to revolve around the fixed gear and thereby moving said carriage around the vertical axis of the base, a fixed knife platen carried by the base, and a rotary cutter on the carriage and engaged with said platen to shear a shaped fabric which is on said base and has its bottom edge portion surrounding said knife platen.

2,434,372

DIE SPOTTING DEVICE

Alexander P. Stewart, Detroit, Mich.
Application November 13, 1944, Serial No. 563,230
6 Claims. (Cl. 33-174)



1. A die spotting device adapted for use on dies having a contact surface shaped to conform to a pattern surface comprising: a unitary web-like body of non-absorbent material having a contact surface duplicating a pattern surface contour for engagement with the contact surface of a die; and a non-absorbent supporting structure having spaced rigid connections with said body, said body being unsupported by said structure intermediate the connections.

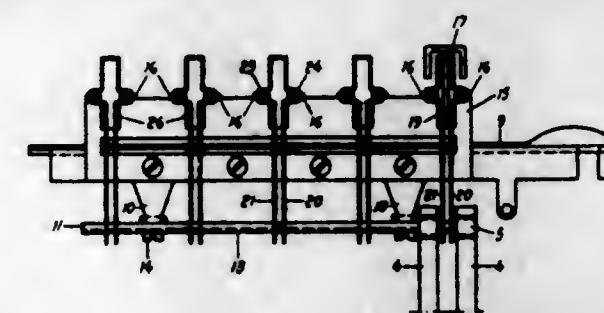
2,434,373

SELECTING FINGER FOR CROSSBAR SWITCHES

Rolf Albin Svensson and Hans Olov Karlström, Stockholm, Sweden
Application September 14, 1944, Serial No. 553,967
In Sweden October 25, 1943
12 Claims. (Cl. 179-27.54)

1. In a switch, the combination with a plurality of normally open contact sets, a common

holding bar, and means to reciprocate said holding bar between a contact release position and a contact actuating position, of a selecting finger for each contact set mounted on said contact bar for displacement relative thereto from a normal inoperative position in which it permits movement of said holding bar to its contact actuating position without closure of the associated set of contacts to an operative position in which it

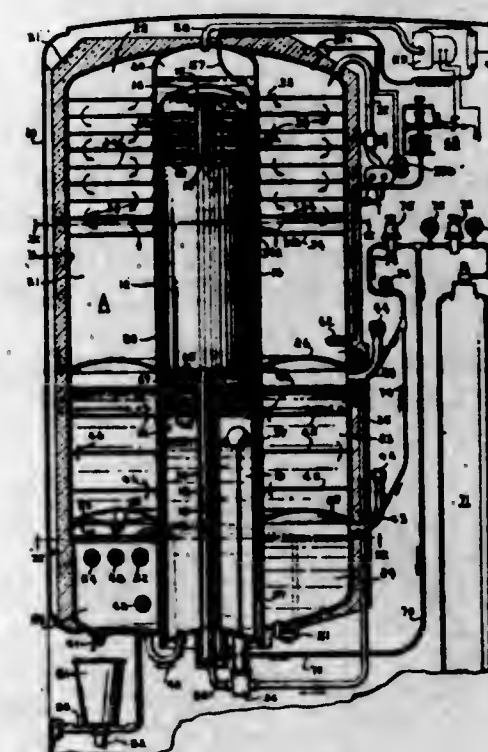


transmits the motion of said holding bar to its contact actuating position to the associated contact set to close the same, at least one rotatable contact select bar and an actuating member fixedly attached to said select bar and cooperating with said selecting finger when said holding bar is in its release position to displace said selecting finger from its inoperative to its operative position upon rotation of said select bar in one direction.

2,434,374

UNITARY REFRIGERATED CARBONATED BEVERAGE DISPENSING APPARATUS

Robert H. Tull, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1943, Serial No. 489,264
13 Claims. (Cl. 62-141)

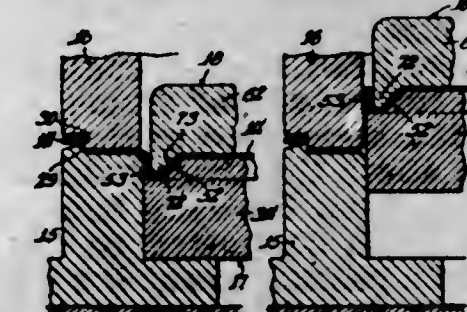


1. In apparatus for storing and dispensing a cold, mixed, carbonated beverage through a dispensing valve assembly, the combination of a unitary, structural container having partition means provided interiorly thereof for dividing the container into a chamber in which a syrup component is cooled, a chamber in which a water component is precooled, and a chamber in which the precooled water component is further cooled and carbonated, and a mechanical refrigerating system including a single refrigerant heat-absorbing unit disposed in one of said chambers and in thermal heat-absorbing relation with each of the other chambers, whereby to maintain said chambers and their contents at a temperature sufficiently low to produce a palatable mixed beverage.

2,434,375

APPARATUS FOR FORMING CONTAINER HEADS

Raymond H. Van Saun, Berkeley, Calif., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application July 14, 1944, Serial No. 544,995
3 Claims. (Cl. 113-42)

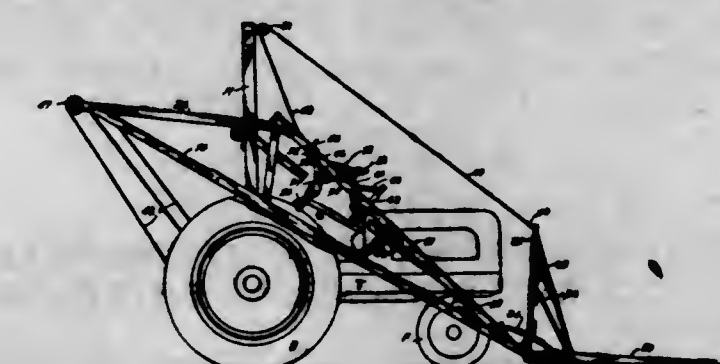


1. Apparatus for forming a container head from a blank of paperboard or the like, comprising first and second draw rings for holding the blank at the margin thereof, said first ring having an internal radius greater than that of said second ring by substantially the thickness of said blank, a plurality of die members movable axially of said rings, one of said die members being disposed in said first ring and another of said die members being disposed with a sliding fit in said second ring in opposed relation to said one die member and having an axially extending peripheral projection, said one die member having an external radius smaller than the internal radius of said first ring by substantially the thickness of said projection plus twice the thickness of said blank, and means for moving said one die member independently and for moving said plurality of die members in unison, whereby the central portion of said blank may be shaped between opposed die members by movement of said one die member in one direction and the marginal portion of the blank may be shaped between said one die member, said projection, and said first ring by movement of said die members in the opposite direction to dispose said projection between the periphery of said one die member and the inner periphery of said first ring.

2,434,376

COMBINED BUCKRAKE AND STACKER

Leonard J. Wasinger, Wamegan, Kans.
Application December 15, 1945, Serial No. 635,156
1 Claim. (Cl. 214-140)

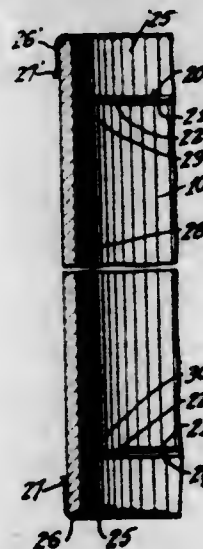


A combined power hay rake and stacker comprising a vertical frame for rigid connection with a tractor, a shaft extending transversely of the frame at some distance below the top thereof, a lifting frame mounted for pivotation on the shaft, said lifting frame comprising two substantially identical lifting arms, one on each side of the vertical frame, a rake head connected to the front ends of the lifting arms for pivotal movement about a horizontal axis connecting the arms, a winch connected with the rear end of the tractor, means for operating the winch by power from the tractor, the winch having two spaced drums,

a cable connecting each drum with the rear end of a lifting arm, whereby when the cables are wound about the drums the front end of the lifting frame and the rake head will be raised, means comprising a brake mechanism for holding the winch in any desired position, means for automatically changing the angular relation between the rake head and the lifting frame when the latter is rocked about its pivot, said means comprising a frame extending upwardly from the rear of the rake head, a cable connected with the upper end of the rake head frame, a pulley connected with the upper end of the vertical frame at a distance above the shaft substantially equal to the distance from the rake head to the point where the cable is connected to the rake head frame, the cable passing about the pulley, whereby a distortable parallelogram is formed, means for anchoring the cable to the lifting frame comprising a readily releasable latch, and means comprising a spring for returning the parts to latched position.

2,434,377 CONTAINER

Edgar Watson, Towson, Md., assignor to The Nelson Company, Baltimore, Md., a corporation of Maryland
Application November 14, 1945, Serial No. 628,476
5 Claims. (Cl. 229-5.5)



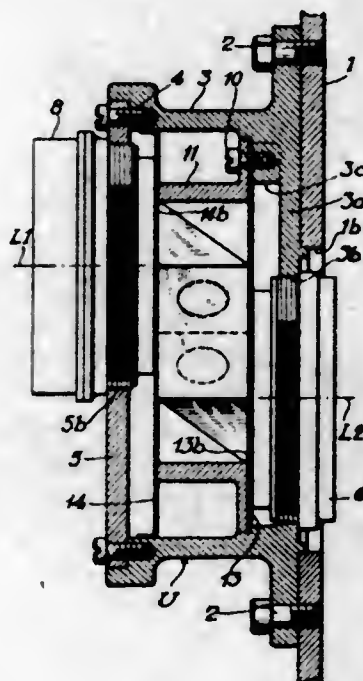
1. In a container of the character described, a side wall consisting of a single section of cylindrical tubing, bottom closure means having a recess receiving the lower end portion of the side wall, a ring having a recess receiving the upper portion of the side wall, a plurality of spaced members disposed substantially wholly within the side wall and independent thereof, each member being secured at its opposite ends to said means and the ring, respectively.

2,434,378 PHOTOGRAPHIC REVERSING UNIT AND SYSTEM FOR PRODUCING REVERSED IMAGES

Stephen N. Wekeman, Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation, a corporation of Delaware
Application July 15, 1944, Serial No. 545,090
6 Claims. (Cl. 88-57)

1. A photographic reversing unit adapted to be detachably associated with the lens board of a camera or the like, comprising a housing, an objective lens in said housing and comprising spaced sets of lens elements, and three right angle reflecting prisms enclosed in said housing interposed between said sets of lens elements, a first of said right angle reflecting prisms having one right angle face disposed adjacent the interior face of and in axial alignment with and normal to the

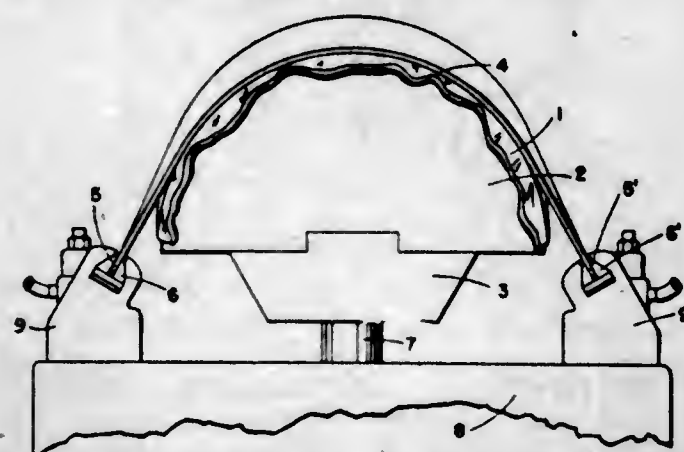
axis of one of said objective lens sets, and a second of said right angle reflecting prisms having one right angle face disposed adjacent the interior face of and in axial alignment with and normal to the axis of the other of said objective lens sets, and the third of said right angle reflecting prisms being intermediate said first and second right angle reflecting prisms and having its two right angle faces disposed respectively adjacent and



substantially parallel to the other of said right angle faces of said first and second reflecting prisms and having its hypotenuse face substantially parallel to a plane passing through the axes of said objective lens units, the axis of the projecting light beam as it leaves said reversing unit being parallel or substantially so with respect to the axis of the projecting light beam as it enters said reversing unit.

2,434,379 APPARATUS AND METHOD OF STRETCH PRESSING METAL SHEETS

Frank W. Wiesner and Alexander Coulter, Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application December 16, 1944, Serial No. 568,454
3 Claims. (Cl. 153-48)

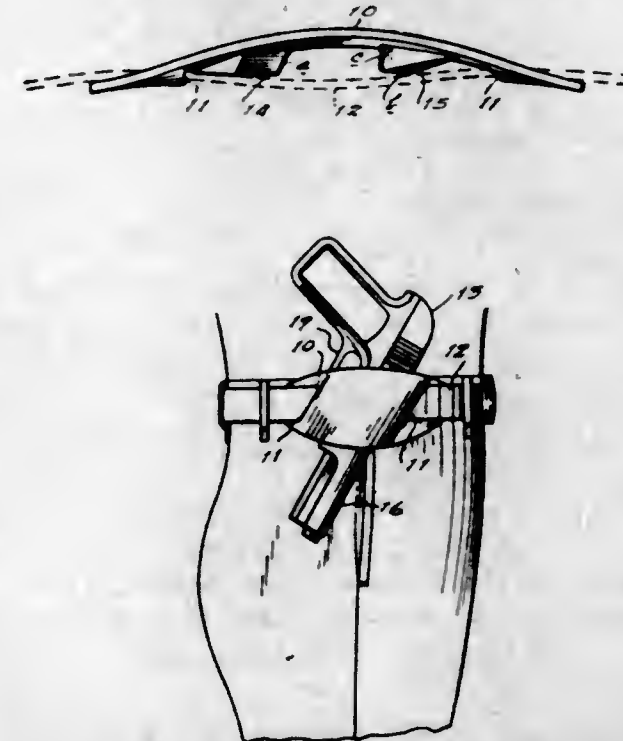


2. A machine for forming sheet metal comprising a moveable stretching block having a forming surface, a stretching sheet of rubber adapted to flow when subjected to pressure arranged between the forming surface of said stretching block and the sheet of metal to be formed, said stretching sheet being unrestrained at the edges of the block and proportioned to exceed the area of the working surface of the stretching block so as to provide for unrestrained movement of the metal sheet relative to the stretching block responsive to forming movement of said block, and means fixed with respect to said block to

hold said metal sheet by its edges free of the stretching block and means for moving the block and stretching sheet to apply forming pressure against said restrained sheet of metal.

2,434,380 HOLSTER

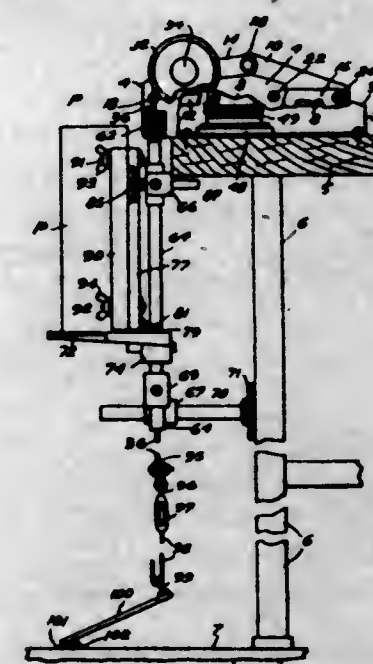
Royal M. Williams, Fort Worth, Tex.
Application July 1, 1946, Serial No. 680,641
5 Claims. (Cl. 224-2)



1. In a holster for side arms, in combination with a common belt, a flexible strip having spaced oblique parallel slits arranged adjacent to each end capable of slidably receiving said belt, a pair of spaced skived blocks rigidly attached to the inner face of said strip adjacent to said belt and having opposing oblique faces substantially parallel and providing a support for a pistol whereby the same is firmly supported at a comfortable angle at the wearer's side.

2,434,381 STAMPING MACHINE

Stanley E. Anderson, Chicago, Ill.
Application May 28, 1942, Serial No. 444,801
13 Claims. (Cl. 101-41)



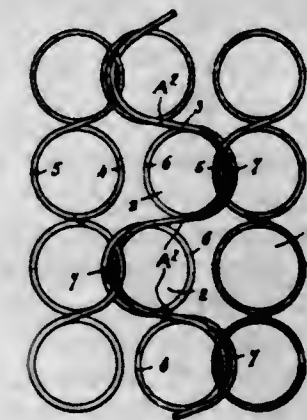
1. In a stamping machine, a fixed base portion having upstanding opposed walls, a stamp carriage adapted to be moved with respect to said base portion bodily in an arcuate path, six guide arms of substantially equal length, said arms comprising a front pair, an intermediate pair, and a rear pair, one end of each arm being pivotally attached to one of said walls, the pivot axes being perpendicular to said walls, the other end of each

of said arms being similarly pivotally attached to points of said carriage so spaced as to maintain all said arms substantially parallel in all positions of the carriage in its arcuate path.

13. A stamping machine including a support and a stamp carriage operatively mounted thereon, a base for holding objects to be stamped, a vertically disposed back plate adjustable back and forth with respect to said base, and a vertically disposed side bar mounted on said back plate and adjustable from side to side thereon.

2,434,382 RESILIENT MATTRESS FOR SEATS, CUSHIONS, OR OTHER APPLICATIONS

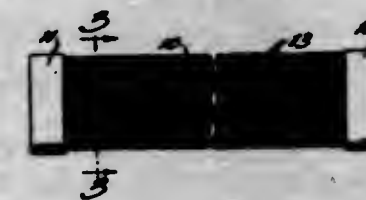
André Auby, Puteaux, France, assignor to Société à responsabilité limitée Etablissements Bertrand Faure, Puteaux, Seine, France
Application October 29, 1937, Serial No. 171,799
In France October 29, 1936
Section 3, Public Law 690, August 8, 1946
Patent expires October 29, 1956
2 Claims. (Cl. 5-248)



1. A device of the class described comprising parallel spaced rows of coiled springs, and interlacing means connecting the upper terminal convolutions of alternate springs of each row of springs, said interlacing means comprising a single continuous wire strand bent into a series of circular loops lying in a single row in a horizontal plane, said wire being bent for interlacing one of the loops in one upper terminal convolution and said wire being bent in an opposite direction for engaging another of the circular loops in an alternate opposite upper terminal convolution, said interlacing means defining crossings on alternate sides of the successive loops, said interlacing means being hooked at the crossings of the wire to the terminal convolutions for forming a connection between the spaced rows of springs.

2,434,383 FLEXIBLE WATCH BAND

Allen Benjamin, Chicago, Ill.
Application May 7, 1947, Serial No. 746,467
2 Claims. (Cl. 63-11)



1. A flexible watch band comprising an elongated resilient metal strip of substantially equal width and thickness in cross section wound into a flat coil, adjacent convolutions of the strip at one flat surface of the coil being formed with registering recesses each of which extends completely across the exposed surface of a convolution to provide ornamental grooves extending along said flat surface of the coil.

2,434,384

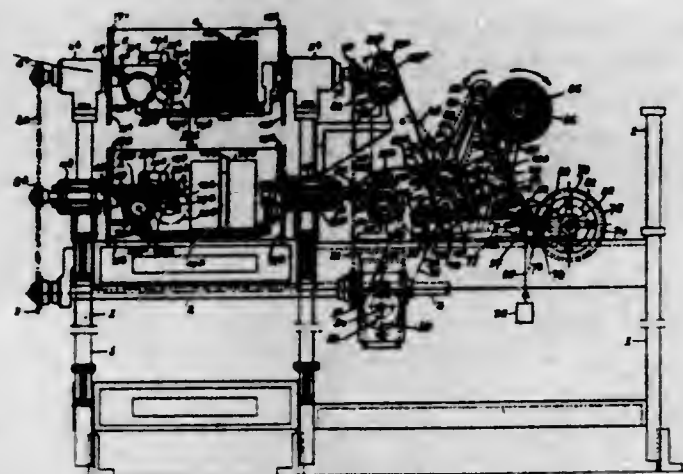
METHOD OF MAKING CABLED YARNS OR CABLED THREADS AND MEANS FOR CARRYING OUT THE SAID METHOD

Jules Hugues Berthier, Chamalières, Clos Montriant, and Joseph Alexandre Collin, Suresnes, France, assignors to Comptoir de Matériel Textile, Société à responsabilité limitée, Paris, France, a French company

Application January 29, 1937, Serial No. 123,056
In France January 30, 1936

Section 3, Public Law 690, August 8, 1946

Patent expires January 30, 1956
9 Claims. (Cl. 57—58)



1. A method for making a bobbin of an assembly of n doubled or twisted yarns in each part of which the said doubled or twisted yarns are always substantially identical with each other from the points of view of their twists and their tensions and from a set of n assemblies of elementary yarns or threads in each of which the said elementary yarns are substantially identical with each other, the said method consisting in separately presenting each of the said assemblies of elementary threads or yarns in the form of a bobbin arranged in a twisting or doubling filer, simultaneously twisting the said assemblies in the said n doubling or twisting filers, the linear delivery speed of all the assemblies of yarns or threads to their filers being at any time substantially equal with each other, driving outside the said filers at linear speeds equal with each other the n twisted yarns or threads thus obtained and immediately grouping side by side the said twisted yarns or thread in an assembly of n doubled or twisted yarns in each part of which the said doubled or twisted yarns are always substantially identical with each other from the point of view of their twists and the point of view of their tensions, winding up on a bobbin by means of a bobbin winding device the assembly of n doubled or twisted yarns while keeping constant the length of the part of this assembly of doubled or twisted yarns situated between the last fixed guiding point of this assembly and the point, movable along the bobbin where the winding on takes place.

2,434,385

APPARATUS FOR OBTAINING PHOTOGRAPHS GIVING AN IMPRESSION OF RELIEF

Maurice Bonnet, Paris, France, assignor to Société La Reliéphographie Société pour l'Exploitation des Procédés de Photographie en Relief, Maurice Bonnet, Paris, France, a corporation of France

Application January 3, 1938, Serial No. 183,213
In France July 2, 1937

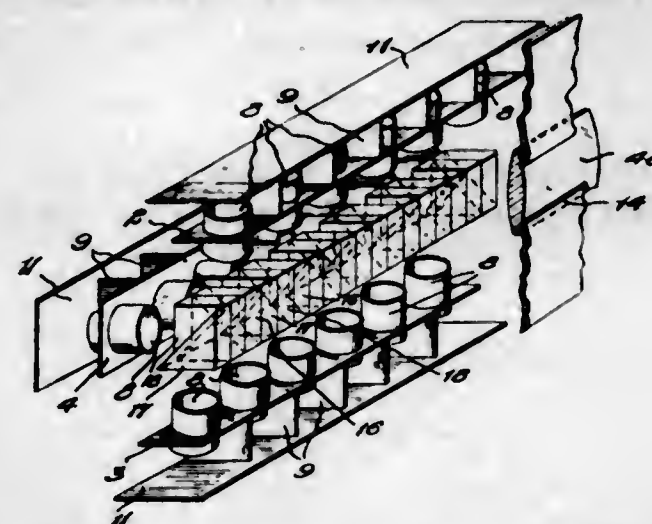
Section 3, Public Law 690, August 8, 1946

Patent expires July 2, 1957

7 Claims. (Cl. 88—16.6)

1. In apparatus for taking photographs and for projecting several partial images to form stereo-

grams, a plurality of horizontal rows of objectives circumferentially displaced relatively to each other, a corresponding continuous common



horizontal row of fixed means for distributing light between the objectives, and an obturator having a slot orientated in the direction of the length of the rows of objectives.

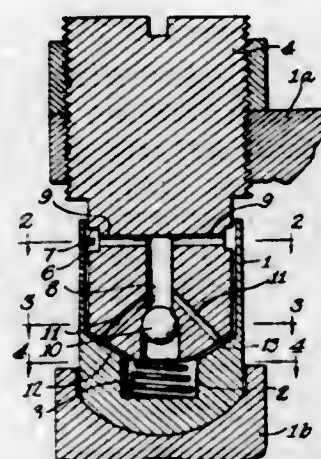
2,434,386

VALVE SILENCER

Jess H. Bradshaw, San Jose, Calif.

Application November 26, 1945, Serial No. 630,852

1 Claim. (Cl. 123—90)



A device of the character described comprising, a rocker arm, a piston member externally threaded at one end to screw through the rocker arm of the valve actuating mechanism of an engine and replace the standard adjusting screw and providing a piston on its other end, said piston end having an oil collecting groove encircling the same a distance from its free end and a passage connecting said groove with said free end, a valve controlling said passage, the said free end of said piston having a bevelled edge and one or more vents leading from said bevelled edge to said passage rearwardly of the valve, a cylinder slidably encompassing the piston to engage a push rod and provided with a bevelled seat in opposed relation to and corresponding with the bevelled end of the piston, and having a recess formed therein in opposed relation to the valve, resilient means inserted in said recess between the piston and cylinder, and means operable to limit the outward movement of the cylinder relative to the piston.

2,434,387

ARTICLE CARRIER

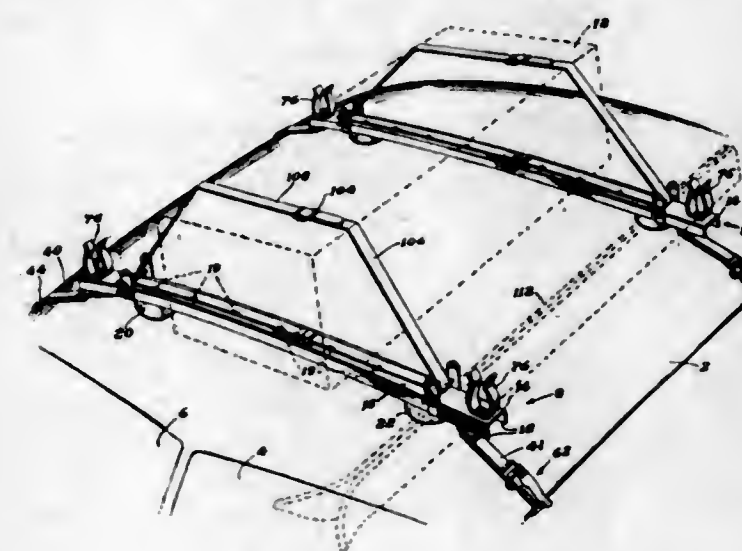
Edison R. Brandt, Marblehead, Mass., assignor to Edison Engineering Company, Inc., Swampscott, Mass., a corporation of Massachusetts

Application August 17, 1946, Serial No. 691,355

1 Claim. (Cl. 224—29)

An article carrying attachment adapted to be detachably mounted on the top of an automobile,

comprising an elongated relatively rigid bar having a plurality of apertures distributed along the length thereof, vacuum cups having relatively constricted upper ends detachably connected to the under side of said bar by fasteners passing through said apertures, a strap connected at its inner end to each of said constricted portions, means for adjusting the length of said straps, a hook connected to the outer end of one of said straps and shaped to engage under the head at



the edge of an automobile top, a hook at the outer end of the other strap and means including a toggle mechanism connecting said second hook to said other strap, a U-shaped spring clamp for securing an article to be carried to said bar, detachably connected to the upper side of said elongated bar by a fastener passing through one of said apertures, means adjustable along the length of said bar for connecting a strap thereto and a strap connected to said means and passing about the article to be carried.

2,434,388

CANNING FOODS

Joseph R. Brehm, Auburn, N. Y.

No Drawing. Application June 5, 1936,

Serial No. 83,716

6 Claims. (Cl. 99—154)

1. As an article of manufacture, a canned, commercially sterile salad comprising a light pickled base and a heat stable, emulsified dressing containing egg yolk and an edible oil.

2,434,389

REMOVAL OF FINE DUST FROM BAUXITE

Ferdinand W. Breth and Anthony Kinsel, Petrolia, Pa., assignors to L. Sonneborn Sons, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original application March 14, 1939, Serial No. 261,790. Divided and this application November 9, 1943, Serial No. 509,630

4 Claims. (Cl. 23—142)

1. A process which comprises contacting activated bauxite predominating in particles of a particle size within the range of 20 to 80 mesh at a temperature of from 1000° F. to 1200° F. with a current of preheated air having a velocity of from 4 to 6 feet per second to substantially free said particles of adherent relatively finer particles inseparable therefrom by screening, said air being at a temperature of from 120° F. to 220° F. at the point of first contact with said bauxite and at a temperature of from 200° F. to 250° F. at the point of last contact with said bauxite.

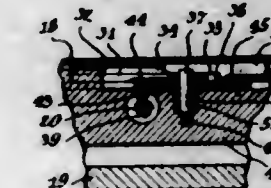
2,434,390

WATCH STEM-WINDING AND -SETTING MECHANISM

John C. Burgbacher, Bayside, Long Island, N. Y., assignor to Bulova Watch Company, New York, N. Y., a corporation of New York

Application April 24, 1943, Serial No. 484,359

4 Claims. (Cl. 58—68)



1. A watch movement having a winding and setting stem, said stem having an annular slot, a setting-lever, one arm of said setting lever having a post disposed in said slot, a stud extending through said setting-lever and serving as a pivot for said setting-lever, a spring urging said setting-lever to move said post from said slot, a latch member for engaging one end of said stud, said stud serving as a stop for said latch-member when positioned for normally holding said lever with said post in said slot.

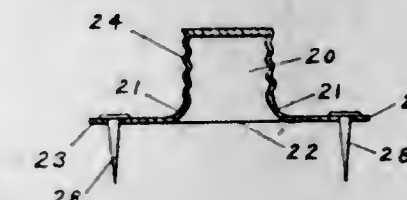
2,434,391

FENCE KNOB

Aloysius B. Bussmann, St. Louis, Mo.

Application January 7, 1944, Serial No. 517,440

3 Claims. (Cl. 174—158)



1. The combination of a bracket that is adapted to be secured to a fence post and a fence knob that is adapted to be secured to and supported by said bracket, said fence knob comprising a body of substantially non-conducting material that has a recess in one end thereof, said recess being provided with threads on the interior surface thereof, said bracket having a substantially plane base and a substantially cylindrical projection and a rounded section of annular form between said base and said projection, said projection having threads thereon that extend toward and merge into said rounded section of annular form, said projection having a length that is shorter than the depth of the recess in the knob, said annular section extending outwardly beyond said thread on said projection and being adapted to receive said one end of said knob and to limit movement of said knob toward the base of said bracket, said one end of the knob contacting the rounded section of the bracket when the knob and bracket are in assembled relation.

2,434,392

THERMOSTATIC ELEMENT

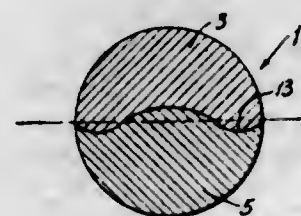
Paul G. Chace, Attleboro Falls, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Application October 9, 1943, Serial No. 505,629

1 Claim. (Cl. 29—191.6)

A bimetallic wire having a substantially flat bond, the bimetallic components of which consist respectively of silicon-bronze containing approxi-

mately 98% copper, 1.5% silicon and 0.5% manganese by weight, and Invar containing approxi-

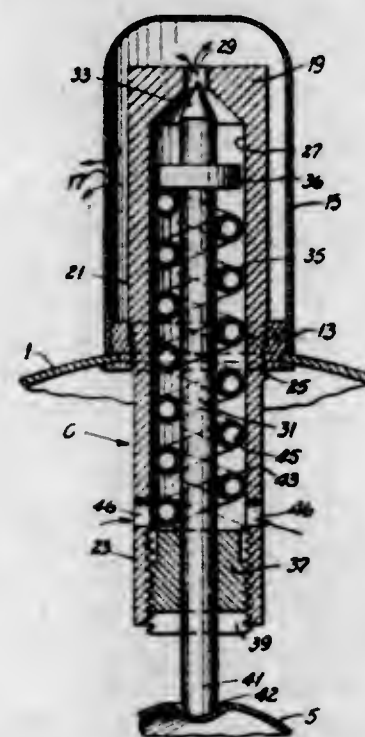


mately 36% nickel, 0.05% carbon, 0.5% manganese by weight and the remainder iron.

2,434,393

RADIATOR VENT VALVE

Paul G. Chace, Attleboro Falls, and Unto U. Savolainen, Attleboro, Mass., assignors to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application October 14, 1943, Serial No. 506,132
3 Claims. (Cl. 236-62)



1. A thermostatic vent valve unit for removable connection into a chamber, comprising a unitary tubular casing having an outlet port in one end and an inlet to its interior adjacent its other end, said casing being exteriorly formed intermediate its length for detachable connection into the wall of a chamber with said one end outside and said other end inside the chamber, a valve member in said casing including a stem having an abutment, said stem extending slidably through said other end of the casing and axially movable between a position closing said outlet port and a position spaced from the outlet port, and an axially expansible helical bimetallic thermostatic element in said casing surrounding said stem and disposed between said other end of the casing and the abutment on said stem, said element expanding axially upon heating to move the stem and valve member to close said outlet port.

2,434,394

PRODUCTION OF UNSATURATED ALCOHOLS
Harry A. Cheney, Robert Dagley, Jr., and Sumner H. McAllister, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 13, 1945,
Serial No. 628,358

17 Claims. (Cl. 260-632)

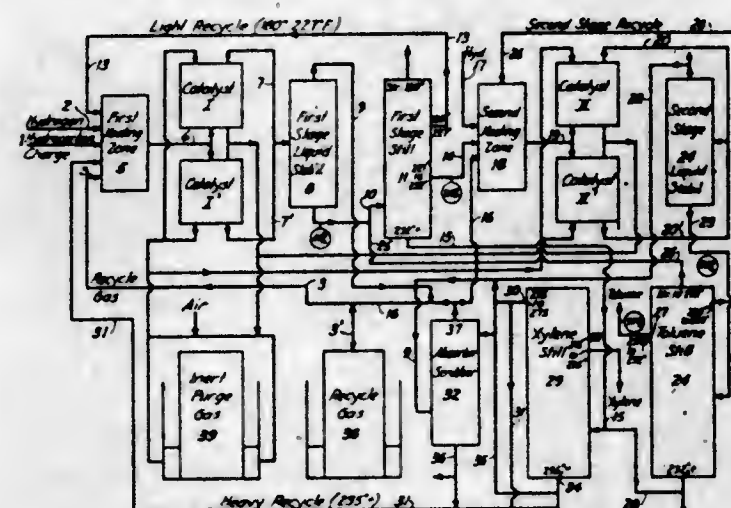
17. A process of producing an unsaturated alcohol which comprises contacting a gaseous mix-

ture comprising an unsaturated ether having a beta, gamma-alkenyl radical directly attached to the ether-oxygen atom and water with a solid hydration catalyst.

2,434,395

PREPARATION OF PURE AROMATICS FROM PETROLEUM DISTILLATES

William H. Claussen and Thomas M. Powell, Berkeley, Calif., assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application March 17, 1942, Serial No. 434,994
12 Claims. (Cl. 260-668)



1. Process for the production of toluene which comprises subjecting a fraction from a naphthenic petroleum boiling in the range from about 180° to about 235° F. to the action of a coprecipitated molybdenum-aluminum catalyst at a temperature between about 900° and 1025° F. under a total pressure of about 200 p. s. i. and in the presence of a carrier gas containing at least 40% hydrogen, said carrier gas being in the ratio of about 6000 cu. ft. per barrel of liquid charge, for a time sufficient to produce a debutanized liquid product containing about 40% of aromatics, fractionally distilling said product to produce a sharp cut boiling between about 227° and 232° F., subjecting said sharp cut to a second catalytic treatment in the absence of said fraction and under approximately the same conditions as prevailed in the first catalyst stage for a time sufficient to produce a debutanized product containing above 90% aromatics, and subjecting said product to an efficient fractional distillation to produce a fraction containing at least 99% toluene.

2,434,396

AMINODIPHENYL SULFIDES

Elmer W. Cook, New York, N. Y., and Philip H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 28, 1943,

Serial No. 500,427

6 Claims. (Cl. 260-571)

1. A 2-hydroxy-3,5-ditertiaryamyl-4'-diethylaminodiphenyl sulfide.

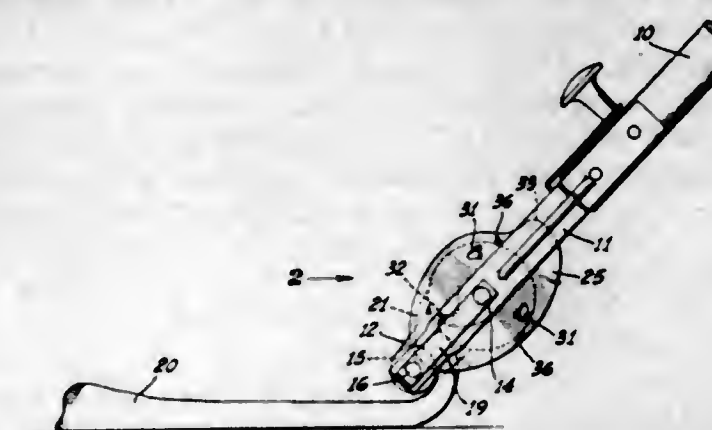
2,434,397

SELF-WRINGING MOP

Virgil K. Cooper, North Hollywood, Calif.
Application February 23, 1944, Serial No. 523,520
6 Claims. (Cl. 15-119)

3. A self-wringing mop which includes: a handle; a clevis secured to the forward end of said handle; a relatively large roller rotatably mounted between the arms of said clevis and adapted to have a mop cloth attached thereto; a relatively

small roller rotatably mounted in said clevis forwardly of said large roller, one of said rollers being movable toward and away from the other

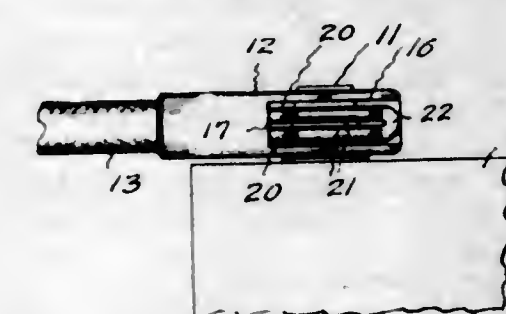


said roller; means resiliently urging said movable roller toward said other roller; and means for rotating said large roller to pass said mop cloth between said two rollers to wring the same.

2,434,398

AUTO-BATTERY TERMINAL CONNECTION
Raymond E. Daellenbach, Ellwood City, Pa., assignor of one-third to Carl Humphrey, Grove City, Pa., and one-third to Nancy Nestas, Ellwood City, Pa.

Application November 28, 1944, Serial No. 565,496
2 Claims. (Cl. 173-259)



2. A battery terminal connection comprising a terminal member adapted to fit over a battery post, said member having a notch along one side thereof, the terminal member having a wall at the inner end of the notch, a spring clamping pin, said wall having a socket to receive said pin, said pin being bulged intermediate its ends to provide a spring gripping means conforming to the transverse contour of a conventional battery post for clamping the member upon the post, and a projecting end carried by the pin and extending longitudinally of the outer end of said slot to facilitate the insertion and removal of said pin and to provide means engageable by a tool to flex the pin laterally out of alignment with the battery post, the bulged portion of said pin being corrugated throughout the length of the bulged portion and the corrugations extending transversely of the bulged portion to provide a plurality of post-engaging portions.

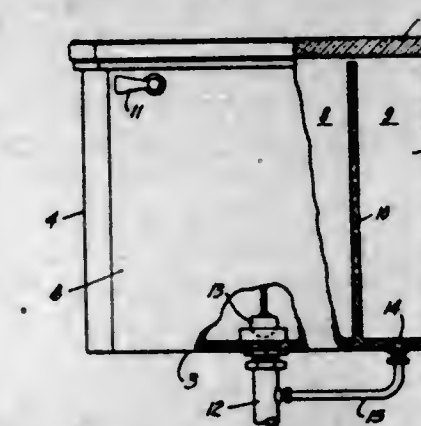
2,434,399

COMBINATION FLUSH AND STORAGE TANK FOR TOILETS OR THE LIKE

Horace Duckenfield, San Francisco, Calif.
Application February 3, 1945, Serial No. 576,034
4 Claims. (Cl. 4-68)

4. A flush tank for a toilet or the like having an upright partition to provide a main chamber for holding flushing apparatus and an auxiliary chamber for storing objects, a common cover for both chambers, and a drain outlet for the auxiliary chamber connecting into the main chamber flushing outlet, the partition being constructed for establishing communication between the two chambers above the normal water level

in the main chamber to subject the auxiliary chamber to suction when the water in the main chamber recedes during flushing operations, and

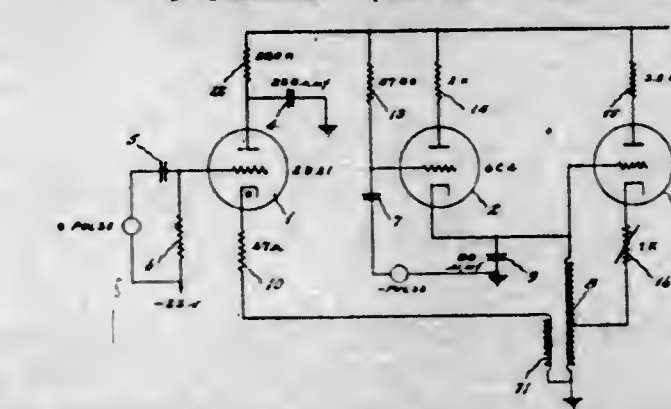


the cover and the tank having cooperative guide means whereby the cover may be slid sidewise to uncover the auxiliary chamber while maintaining its balance over the main chamber.

2,434,400

PULSE MODULATED OSCILLATOR

Allan Easton, Long Island City, N. Y., assignor to Emerson Radio and Phonograph Corporation, New York, N. Y., a corporation of New York
Application May 21, 1945, Serial No. 595,030
3 Claims. (Cl. 250-36)

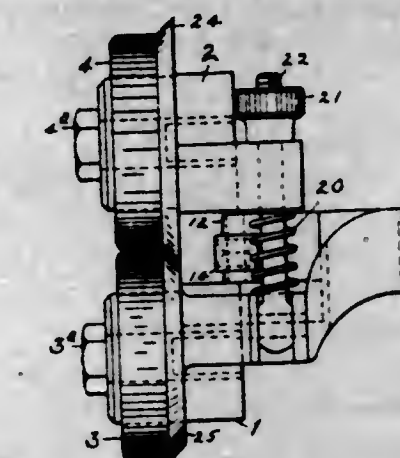


1. A pulse modulated oscillator comprising a shock tube, a clamp tube and an oscillator tube, means for operating said clamp tube to cause said oscillator tube to oscillate and discontinue oscillating, and means whereby a surge of current from the shock tube is added to said oscillations at the beginning thereof.

2,434,401

MANUALLY OPERATED SHEET METAL FLANGING TOOL

Harry L. Farnstrom, Erie, Pa.
Application March 30, 1945, Serial No. 585,700
4 Claims. (Cl. 81-15)



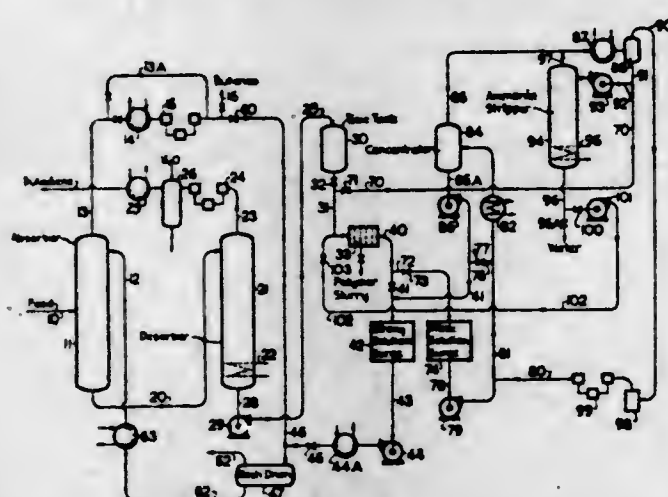
1. In a manually operated sheet flanging tool the combination with a body member, a lever arm pivoted thereto at one end and means for adjusting its free end relatively to the body, said body and lever being each faced at their forward side in a common plane, of a pair of cooperating flanging rolls, mounted on axes normal to said common plane, one to said lever and the other

to said body and one above the other with their working points between the body member and the lever arm, arms pivoted on the body member beyond the rear faces of the rolls and having their extremities extending at opposite sides of said working points of the rolls and forming guides for positioning the edge of a sheet to be flanged, bell crank extensions on said guide arms projecting rearwardly from their pivot, and an adjusting member cooperating with said bell cranks for moving the free ends of the guide arms laterally to the plane of rotation of the rolls.

2,434,402

METHOD OF CONCENTRATING DILUTE AQUEOUS SOLUTIONS OF METAL AMMONIUM COMPLEX COMPOUNDS

Alfred W. Flier, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 25, 1944, Serial No. 528,144
15 Claims. (Cl. 260-438)

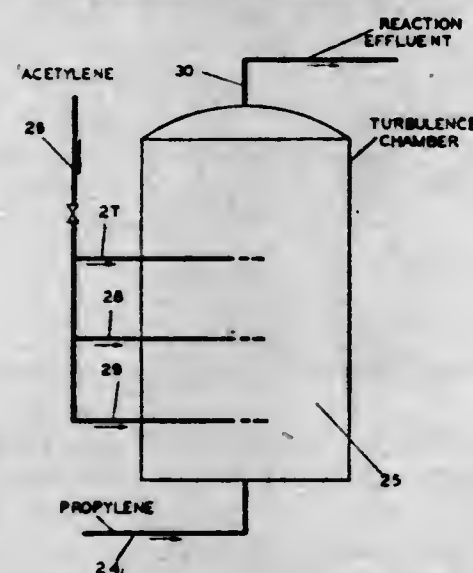


1. A method of concentrating a dilute aqueous solution of an ammonium metal salt complex without causing deposition of insoluble decomposition products, comprising heating said solution below its normal boiling temperature to remove mixed water-NH₃ vapor while adding prior to appreciable heating supplemental ammonia having a NH₃ content greater than that of said mixed vapor, the amount of introduced NH₃ being about equal to the amount of NH₃ removed with said vapor.

2,434,403

PROCESS FOR PRODUCING CYCLOPENTADIENE

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 26, 1945, Serial No. 637,167
5 Claims. (Cl. 260-666)



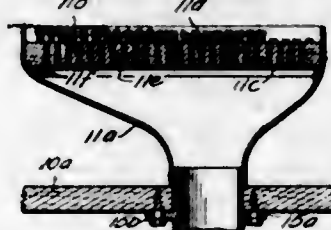
1. The process of producing cyclopentadiene which comprises continuously introducing propylene into one end of a cylindrical turbulence cham-

ber of relatively large cross-section at a high linear velocity, continuously introducing streams of acetylene at a plurality of points located longitudinally of said chamber, said acetylene streams being injected tangentially of said chamber and at high linear velocity, maintaining vigorous turbulent circulation of the reaction mixture within said chamber, the molar ratio of propylene to total acetylene introduced being at least 9:1, heating said chamber to a temperature of from 1200 to 1500° F., holding said hydrocarbons in said chamber for an average residence time of from 0.3 to 0.75 second, continuously withdrawing the reaction mixture from the end of said chamber opposite the end into which said propylene is introduced, cooling the effluent, and recovering cyclopentadiene therefrom as a product of the process.

2,434,404

SPOTTING BOARD

Don O. Goodwin, St. Louis, Mo.
Application August 14, 1944, Serial No. 549,383
4 Claims. (Cl. 68-240)

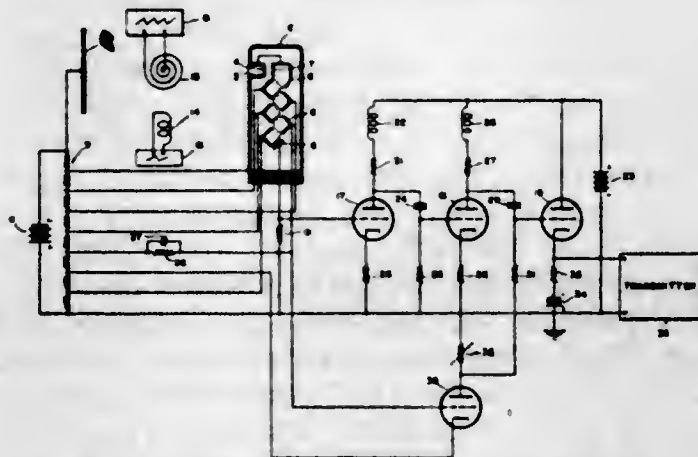


2. A spotting board comprising a tubular support having an upper open end, a brush mounted in the open end of the support with the bristles extending upwardly and their ends disposed in a plane below the level of the upper edge of the support.

2,434,405

TELEVISION BACKGROUND CONTROL SYSTEM

Clyde E. Hallmark, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application June 29, 1944, Serial No. 542,776
5 Claims. (Cl. 179-171)

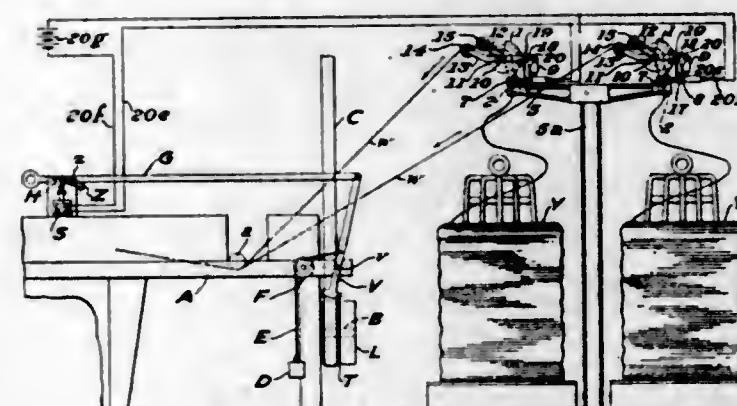


1. In a television system, a source of television signals comprising a video component representative of light and shade values of a television subject and a direct current component representative of average subject illumination, said source including an electron multiplier having a plurality of electrodes comprising a secondary electron emissive electrode and an electron collector electrode, a video component amplifier having an input circuit, means including a reactance device for coupling said input circuit to one of said electrodes, and a direct current component amplifier having its input circuit coupled to another of said electrodes and its output circuit connected to the input circuit of said video component amplifier.

2,434,406

AUTOMATIC STOP MECHANISM

Russell A. Herath, Joliet, and Charles P. Pettigrew, Elwood, Ill., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 28, 1945, Serial No. 596,330
4 Claims. (Cl. 140-126)

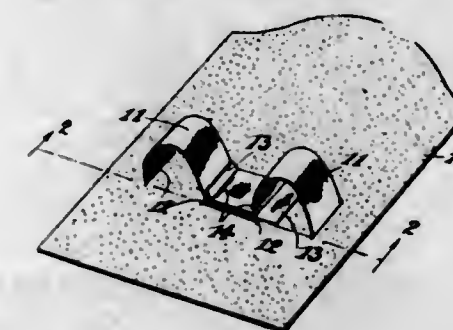


1. A device of the character described, adapted to stop a wire working machine upon the arrival of either a snarled wire or the end of a wire at a detector station, said device comprising a housing rotatably supporting a guide sheave over which is reeved wire adapted for use in the wire working machine, a pair of juxtaposed levers mounted for rocking movement about the pivotal axis of said guide sheave, a snarl detector sheave journaled adjacent the free end of one of said levers and arranged to be normally held yieldingly at a determined elevation by the wire en route from said guide sheave to said wire working machine, a broken wire detector sheave journaled adjacent the free end of the other of said levers and normally riding at a determined elevation on a stretch of wire between said guide sheave and said snarl detector sheave, and switch mechanism adapted to be actuated when either of said levers is moved due to a change from normal position of either said snarl detector sheave or said broken wire detector sheave, said switch mechanism being adapted to control the operation of a wire working machine, a tooth on one of said levers for coaction with the other lever, the parts being so constructed and arranged that a rocking movement imparted to either of said levers will actuate said switch mechanism.

2,434,407

DEPILATORY DEVICE

George Douglas Hofe, South Orange, N. J.
Application January 5, 1946, Serial No. 639,300
2 Claims. (Cl. 51-186)

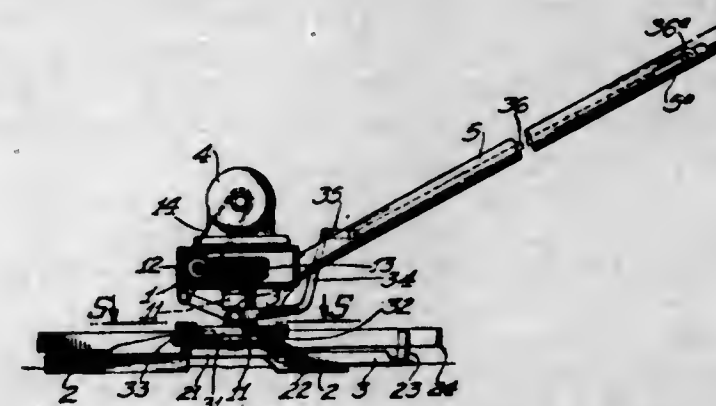


1. A depilatory device comprising a flexible base member at least one side of which carries a fine abrasive material having a plurality of spaced openings therethrough and a strip of flexible material passed through said openings and forming a plurality of loops upon said base member.

2,434,408

TROWELLING MACHINE

James O. Huffman, Los Angeles, Calif.
Application April 2, 1943, Serial No. 481,564
15 Claims. (Cl. 94-45)



1. In a machine of the class described, a portable frame, a vertical shaft on the frame, a set of roughing trowel members and a set of finish trowel members, each set comprising trowel members radiating substantially from the shaft, each roughing trowel member being positioned immediately ahead of one of the finish trowel members, the former having sharply downwardly and backwardly inclined trowelling surfaces and the latter having relative slightly inclined trowelling surfaces, means for adjusting one of said sets of trowel members vertically on the frame with respect to the trowel members of the other set, and a draft member for guiding the frame, said means extending to said draft member and adapted to be controlled therefrom.

2,434,409

PROCESS FOR PURIFYING A HYDROCARBON MIXTURE CONTAINING SMALL AMOUNTS OF ORGANIC FLUORINE COMPOUNDS

Vladimir N. Ipatieff and Carl B. Linn, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 31, 1943, Serial No. 489,152
5 Claims. (Cl. 196-40)

1. A process for purifying a hydrocarbon mixture containing as an impurity a relatively small amount of an organically combined fluorine compound and produced by the catalytic alkylation of hydrocarbons in the presence of an active fluoride catalyst, which comprises treating said mixture with sulphuric acid of at least 90% concentration.

2,434,410

TRISAZO DYESTUFFS AND A PROCESS OF MAKING SAME

Alfred Jenny and Alex Pedolin, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application August 16, 1943, Serial No. 498,880. In Switzerland October 17, 1942
5 Claims. (Cl. 260-173)

1. The trisazo dyestuffs capable of being developed on the fibre having the general formula



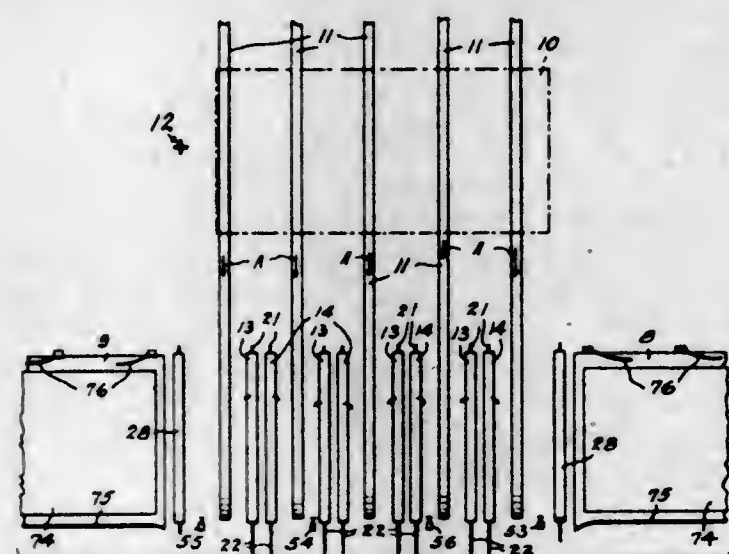
wherein A stands for an aromatic radical of the benzene series containing a sulfonic acid group in m-position to the azo group, B stands for the naphthalene radical containing in 1:4-position both the azo groups, in one of the positions 6 and 7 a sulfonic acid group and in 2-position a member of the group consisting of H and OCH₃, C stands for a radical selected from the group con-

sisting of B and of a benzene radical containing in 1:4-position both the azo groups and in 2:5-position two lower alkoxy groups and D stands for a member of the group consisting of 2-benzoylamino-5-hydroxynaphthalene-7-sulfonic acid and 2-p-chlorobenzoylamino-5-hydroxynaphthalene-7-sulfonic acid, being dark powders, dyeing cellulose fibres in blue, greenish-blue and grey shades, capable of being developed by diazotising and coupling with azo components.

2,434,411

SELECTIVE TRANSFER APPARATUS FOR PLYWOOD

Alfred C. Johnson, Seattle, Wash., assignor to Elliott Bay Mill Co., Seattle, Wash., a corporation of Washington
Application December 28, 1945, Serial No. 637,731
10 Claims. (Cl. 198—21)



1. Selective transfer apparatus comprising panel supporting means; tilting frame means positioned beneath said panel supporting means; and two oppositely driven rollers carried by said frame means positioned for selective engagement with a panel by tilting movement of said frame means.

2,434,412

RECOVERING RUBBER FROM GUAYULE SHRUB

Edwin P. Jones, Salinas, Calif., assignor to the United States of America, as represented by the Secretary of Agriculture
No Drawing. Application January 15, 1946, Serial No. 641,356
3 Claims. (Cl. 260—821)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of recovering rubber from guayule shrub having a moisture content of about from 25 to 50 percent comprising comminuting the shrub, milling the comminuted shrub in an aqueous coagulant medium adjusted to a pH of from 2.5 to 5.0, and floating the rubber "worms" thus formed and removing them from the liquid phase.

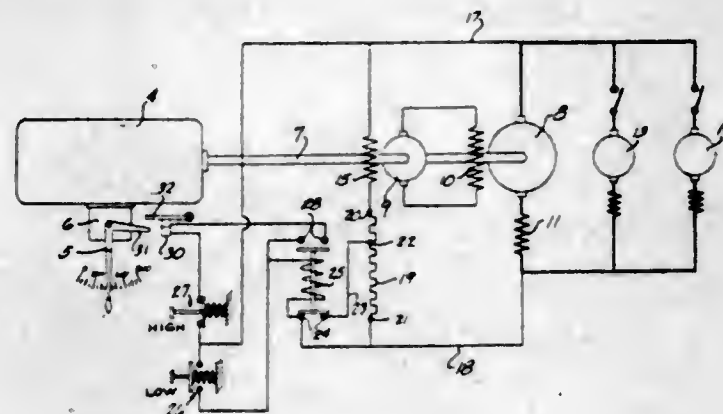
2,434,413

CONTROL MEANS FOR DIESEL-ELECTRIC LOCOMOTIVES

James E. Justus, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 4, 1945, Serial No. 620,253
1 Claim. (Cl. 290—17)

In a locomotive including an engine having throttle control means, a generator driven by said engine and a motor for propelling the locomotive,

connected to said generator, an excitation system for said generator, including a resistor, a normally closed contactor adapted, when closed, to short-circuit a portion of said resistor whereby to effect an increase in generator excitation, a manual switch operable to open said contactor to



decrease generator excitation, a second manual switch operable to close said contactor, and a switch automatically operated by said throttle control means to open said contactor when said throttle control means is conditioned to obtain engine speed in excess of a predetermined value.

2,434,414

PROCESS OF MAKING 2-HYDROXYMETHYL-1,4-DIOXANE

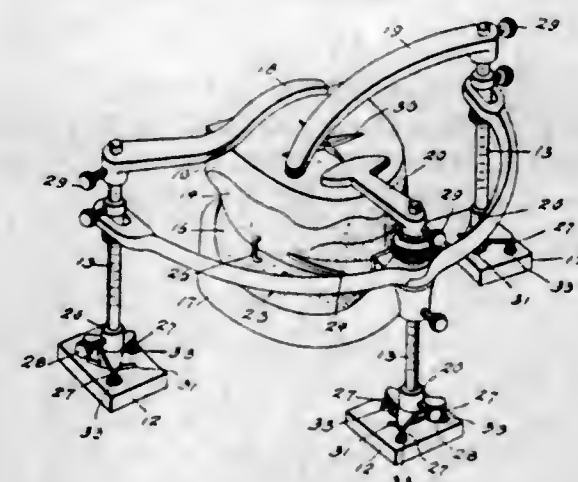
Morris S. Kharasch, Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application October 25, 1943, Serial No. 507,615
2 Claims. (Cl. 260—338)

1. The method of producing 2-hydroxymethyl-1,4-dioxane, which comprises subjecting 3-(β-hydroxyethoxy)-1,2-epoxypropane to the action of a dehydrating agent.

2,434,415

DENTAL ARTICULATOR AND METHOD OF PRODUCING SAME

Clifford S. Kile, Hutchinson, Kans.
Original application October 13, 1943, Serial No. 506,099. Divided and this application January 8, 1945, Serial No. 571,842
6 Claims. (Cl. 32—32)

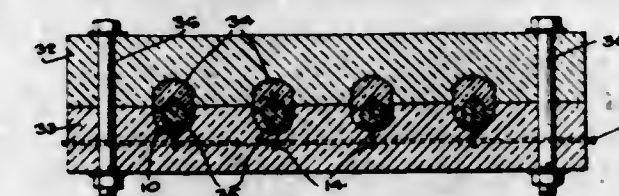


6. A dental articulator guide pin having an end for coaction with a jaw movement record, a slide mounted nonrotatably on said pin between the ends of the latter, releasable means for holding said slide in selected position upon said pin, and record-positioning means rigidly mounted on said slide in outwardly spaced relation with said guide pin and projecting toward said end of said guide pin for temporary connection with the record to aid in assembly of the articulator.

2,434,416

METHOD FOR FORMING ARTIFICIAL TEETH

Joseph Kohn, Merion, Pa., and Michael Russell Stein, New York, N. Y., assignors to Universal Dental Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 15, 1944, Serial No. 531,276
1 Claim. (Cl. 18—55.1)



A method of producing artificial teeth of a shading simulating that of natural teeth, which consists in initially molding in a mold cavity from a relatively opaque thermoplastic tooth forming composition a self-sustaining relatively opaque dentine-simulating element of a tooth smaller in all dimensions than the finished tooth, then removing said element from said cavity and removably positioning it in the cavity of a tooth-forming mold of larger size than said first-mentioned cavity with the surfaces of the element spaced from the lingual and labial surfaces of the mold cavity to provide a space therein completely surrounding all but the one face of said element, then filling said space in the mold cavity with a thermoplastic tooth-forming composition which is relatively translucent as compared to the material of which the dentine-simulating element is formed, and then applying heat and pressure to the mold to mold the last mentioned composition into final tooth form about said dentine-simulating element as the central part of the tooth, said element imparting to the final tooth a shading characteristic of that imparted by the dentine to natural teeth.

2,434,417

SMALL PARTS HOLDER FOR ELECTROLYTIC BATHS

Herbert W. Kugler, Los Angeles, Calif., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California
Application October 25, 1943, Serial No. 507,516
5 Claims. (Cl. 204—285)



1. In a holder for articles to be immersed in an electrolytic bath or the like, the combination of a container for the articles, a packer substantially in the center of said container having a laterally movable wall in contact with the articles, means including a flexible wall adjacent said movable wall, and means for admitting fluid

under pressure on the side of the flexible wall remote from said articles to force the movable wall laterally and thereby crowd the articles into intimate contact with each other.

2,434,418

PREPARATION OF MAGNESIUM SILICATE ADSORBENTS

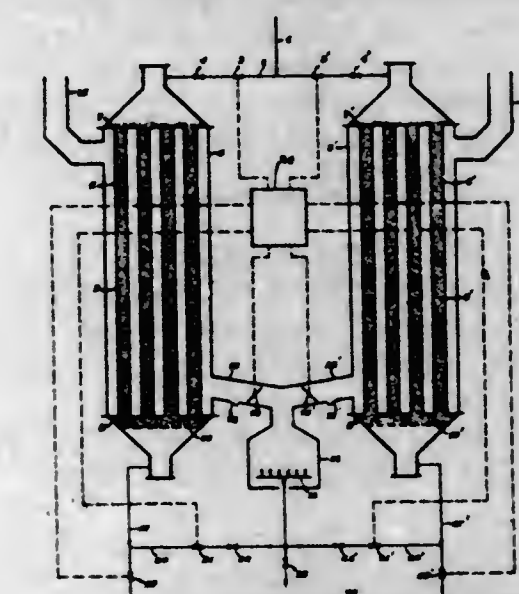
William A. La Lande, Jr., Upper Darby, Pa., assignor to Attapulugus Clay Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 14, 1942, Serial No. 434,776
8 Claims. (Cl. 23—110)

1. The method of producing an adsorbent composition, which comprises reacting in aqueous solution an alkali metal silicate and a water-soluble salt of magnesium, in the presence of a compound yielding NH_4^+ ions in aqueous solution at a temperature between 150° F. and 400° F., and separating the insoluble magnesium silicate from said solution.

2,434,419

PROCESS OF REGENERATING ADSORBENTS

Carl D. Laughlin, Drexel Hill, and Harry M. Gwyn, Jr., Philadelphia, Pa., assignors to Attapulugus Clay Company, Philadelphia, Pa., a corporation of Delaware
Application September 21, 1944, Serial No. 555,179
3 Claims. (Cl. 34—35)



1. The method of regenerating a solid adsorbent containing moisture adsorbed from a wet combustible gas, which comprises passing said wet gas through said adsorbent, burning at least a portion of the wet gas which is passed through said adsorbent, and passing the resulting combustion products in indirect heat exchange relationship with said adsorbent to increase the temperature of said adsorbent sufficiently to drive off adsorbed moisture during the passage of wet gas therethrough.

2,434,420

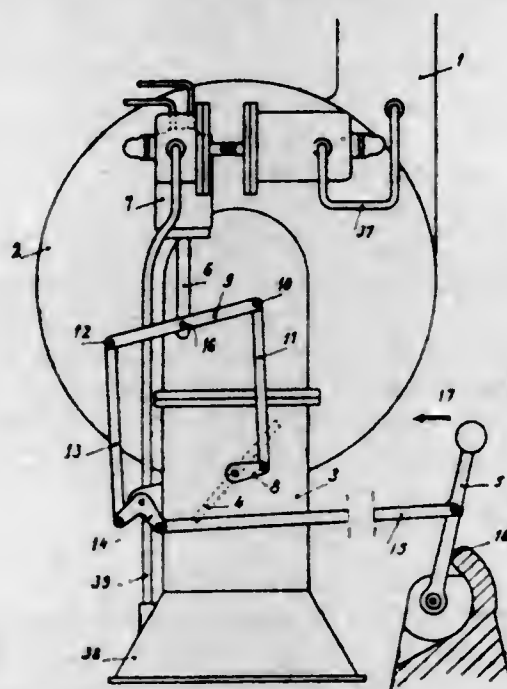
INDUCTION PRESSURE REGULATOR

Johann Lichtenstein, Levallois-Perret, and Paul Xavier Auguste Gistucci, Paris, France, assignors to Societe Generale des Carburateurs Zenith, Geneva, Switzerland
Application April 19, 1937, Serial No. 137,814
In Belgium April 22, 1936

Section 3, Public Law 690, August 8, 1946
Patent expires April 22, 1956
9 Claims. (Cl. 123—103)

1. In an induction pressure regulator for an internal combustion engine, having a servo-motor with an energizing member and a power member

operating a device in the engine intake for regulating the amount of charge admitted to the engine, said device separating a posterior zone comprising the portion of the intake posterior to said device and an anterior zone comprising the portion of the intake anterior to said device and the atmosphere, a control of said energizing member, which comprises, in combination, a first

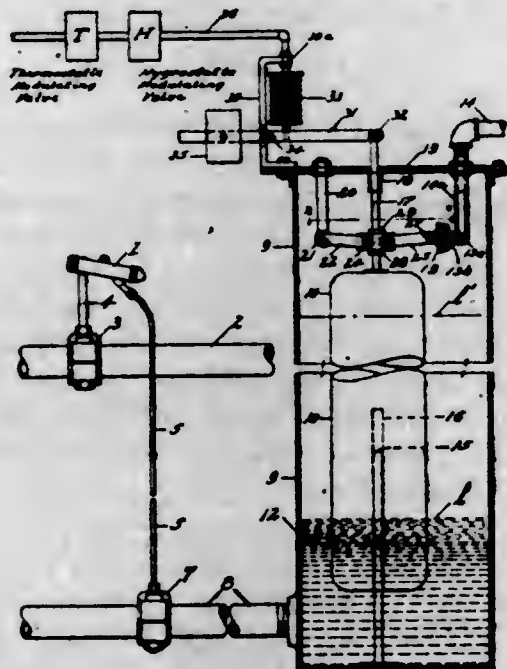


manometric member responsive to pressure conditions in said posterior zone, another manometric member responsive to pressure conditions in said anterior zone, means operative by said first manometric member for imparting a motion to said energizing member, and means operative by said other manometric member for imparting a superimposed motion to said energizing member.

2,434,421

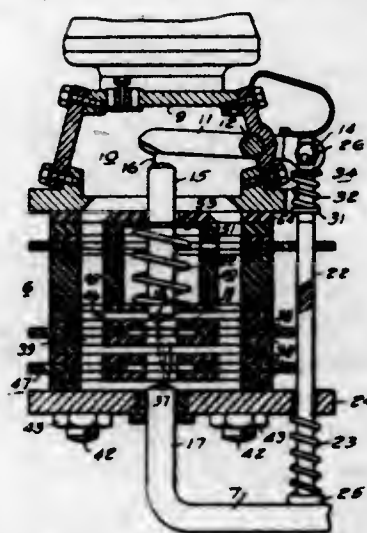
REGULATING APPARATUS

Albert J. Loepsinger, Providence, R. I., assignor to Grinnell Corporation, Providence, R. I., a corporation of Delaware
Application July 2, 1943, Serial No. 493,315
8 Claims. (Cl. 236-44)



1. Apparatus for regulating the rate of discharge from an atomizer, in which a fluid under pressure effects the movement of the liquid to be atomized from a level below the atomizer to the region where atomization occurs, comprising means responsive to variations in the condition of the atmosphere, into which the atomized liquid is discharged, for modulating the said level of the liquid in proportion to the said variations of the controlling conditions.

2,434,422
CIRCUIT INTERRUPTER
Douglas J. Marsden, Redwood City, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1946, Serial No. 704,884
5 Claims. (Cl. 200-150)

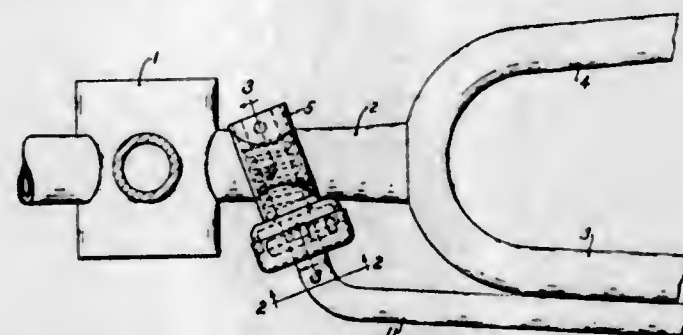


1. In a circuit interrupter, an arc-extinguishing unit, means defining a pressure-generating chamber within the unit, means defining an interrupting chamber within the unit, a relatively stationary first contact, a relatively movable second contact separable from the first contact in one direction to establish an interrupting arc within the interrupting chamber, a relatively movable third contact separable from the first contact substantially in the opposite direction to establish a pressure-generating arc within the pressure-generating chamber, means biasing the first relatively stationary contact to move in the direction of opening motion of the third movable contact, and means causing the third movable contact to engage the first contact during the closing operation before the engagement thereof by the second contact to effect motion of the first contact against the biasing action exerted by the biasing means.

2,434,423

BICYCLE STAND

Harold F. Maschin, Westfield, Mass., assignor to The Westfield Manufacturing Company, Westfield, Mass., a corporation of Massachusetts
Application April 9, 1946, Serial No. 660,627
2 Claims. (Cl. 280-293)



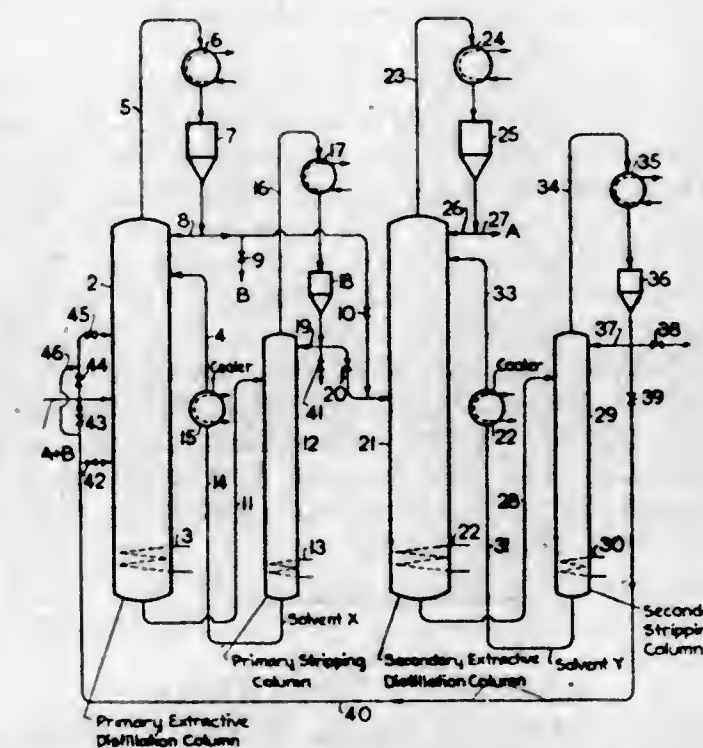
2. The combination with a bicycle frame having a tubular rear fork member, of a kick stand comprising a tubular housing formed as an integral part of said fork member and extending horizontally through said fork member in axial intersecting relation, a prop comprising a trunnion extended within said housing and a bent leg extended outwardly thereof, a rotatable and slidable bushing fixed to said trunnion and fitted as a closure for one end of said housing, the other end of said housing being enlarged, a stationary cam member through which said trunnion extends being fitted as a closure into said housing enlargement in fixed relation thereto, said cam

member having an outer face adjacent said bent leg formed with two positional grooves in angular relation, a cross pin on said bent leg adapted for engagement in said positional grooves, a cap member fitted over the outer side of said cam member serving as an enclosing housing for the cross pin and cam grooves and a spring enclosed within said housing acting against said bushing to press the cross pin of said bent leg against said cam face for engaging said positional grooves, the angular relation of said cam grooves being such that said bent leg may be yieldingly adjusted in position either substantially parallel with said fork member or in depending vertical relation thereto.

2,434,424

PLURAL STAGE EXTRACTIVE DISTILLATION WITH INVERSE SOLVENTS

Rupert C. Morris, Berkeley, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 10, 1942, Serial No. 434,115
9 Claims. (Cl. 202-39.5)



1. A process for separating butadiene from a C_4 hydrocarbon mixture comprising butadiene, beta butylene and more saturated C_4 hydrocarbons, comprising the steps of extractively distilling said mixture in the presence of a first relatively high boiling polar solvent under conditions to produce a first overhead fraction comprising said more saturated hydrocarbons and a residual fraction comprising butadiene, beta butylene and said solvent, separating said solvent from said residual fraction, and extractively distilling at least a part of said residual fraction in the presence of a relatively high boiling non-polar solvent for beta butylene under conditions to take butadiene overhead.

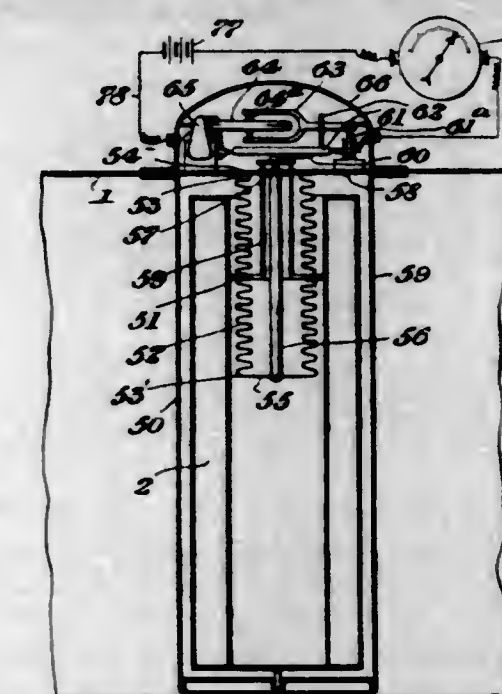
2,434,425

APPARATUS FOR THE GAUGING OF LIQUIDS

Jacques Muller, La Garenne-Colombes, France
Application August 13, 1936, Serial No. 95,942
In France August 30, 1935
Section 3, Public Law 690, August 8, 1946
Patent expires August 30, 1955
7 Claims. (Cl. 73-309)

7. An apparatus for gauging liquid in a reservoir, comprising a tubular immersible floating body in the liquid, a bellows positioned concentrically within said immersible body and provided with an open end and a closed end, the open end of the bellows being fixed to the upper wall

of the reservoir and surrounding an opening in said wall, means for fixing the closed end of the bellows to said upper wall, means connecting the intermediate portion of the bellows to the im-

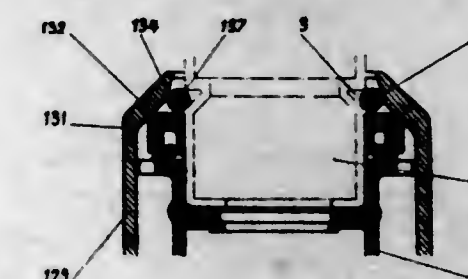


mersible body, and means connected to the intermediate portion of the bellows and extending through the opening in the wall of the reservoir for gauging the liquid in said reservoir.

2,434,426

COUPLING

Jacques Muller, La Garenne-Colombes, France
Application March 9, 1938, Serial No. 194,919
In France March 20, 1937
Section 3, Public Law 690, August 8, 1946
Patent expires March 20, 1957
3 Claims. (Cl. 285-169)



1. In a device of the class described, an obturator, a nozzle having one end adapted to form a telescopic connection with the obturator, an annular spring positioned on the nozzle and adapted to receive the obturator therein and double wedging means, adapted to first close and then tighten the spring onto the obturator to hold the obturator and nozzle in assembled relation.

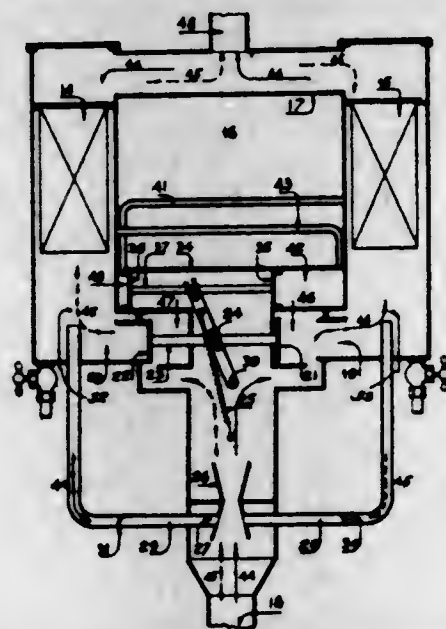
2,434,427

DEVICE FOR CLEANING FILTERS

Jacques Muller, La Garenne-Colombes, France
Application April 21, 1938, Serial No. 203,459
In France April 22, 1937
Section 3, Public Law 690, August 8, 1946
Patent expires April 22, 1957
8 Claims. (Cl. 210-167)

1. A device of the character described, comprising two filter chambers, a filter bed in each chamber, each chamber having an inlet and an outlet, a conduit for supplying liquid to be filtered to the inlets of said chambers, valves for closing the inlets of said chambers, means connecting said valves to open the inlet to one chamber when the inlet of the other chamber is closed, means responsive to the pressure on the inlet side of the filter in one chamber urging the valves to a position to close the inlet to said chamber, means responsive to the pressure on the inlet side of the

filter of the other chamber urging the valves to a position to close the inlet of said other chamber, whereby when one filter becomes clogged its inlet valve will be closed and the inlet valve of the other filter opened, a conduit connecting the out-



lets of the two filter chambers, and means for forcing filtered liquid issuing from one filter chamber in reverse direction through the other filter chamber to remove impurities settled on the filter in the latter chamber.

2,434,428

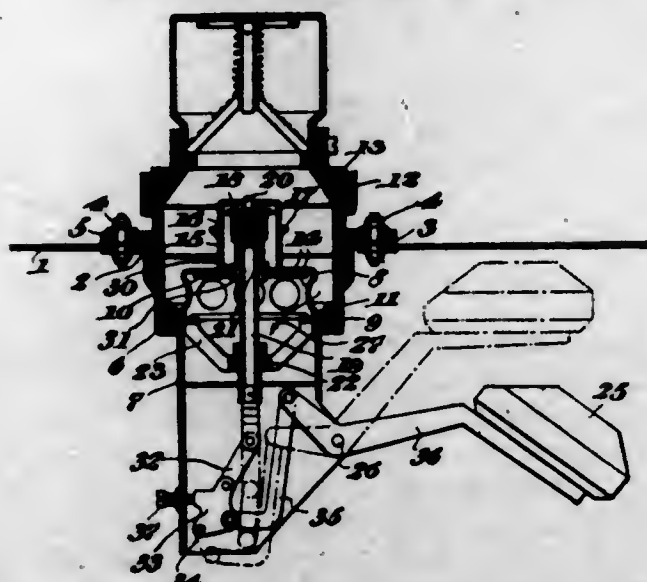
SELF-CLOSING FILLING NOZZLE

Jacques Muller, La Garenne-Colombes, France
Application May 27, 1939, Serial No. 276,206
In France June 9, 1938

Section 3, Public Law 690, August 8, 1946

Patent expires June 9, 1958

7 Claims. (Cl. 137-104)



1. A float-controlled filling nozzle including a valve for shutting off the flow through the nozzle, a float adapted to be lifted by the liquid in a tank to be filled, an auxiliary drag, means normally preventing said drag from being shifted by the stream of liquid, means actuated by the lifting of said float for making the stream operative upon said drag, and means connecting said drag with said valve whereby the movement of said drag under the force of the liquid shifts the valve into the said stream of liquid.

2,434,429

MANUFACTURE OF OLEOMARGARINE

Clarence E. Nelson, Chicago, Ill., assignor to Kraft Foods Company, a corporation of Delaware
No Drawing. Application August 8, 1942,
Serial No. 454,148

2 Claims. (Cl. 99-122)

1. The improvement in the art of manufacturing oleomargarine, which consists in making

a liquid mix containing about 85 parts of fat having a melting point of about 95° F., about 15 parts of skim milk, and about 3 parts of salt, stirring the ingredients at a temperature of about 95° F., then reducing the temperature to about 75° F. to 85° F. so as to develop a grainy condition in the mix, then viscolizing the mix at a pressure differential of from 200 to 500 pounds per square inch before permitting any substantial further reduction in temperature, and then charging the material into shipping receptacles while still fluid.

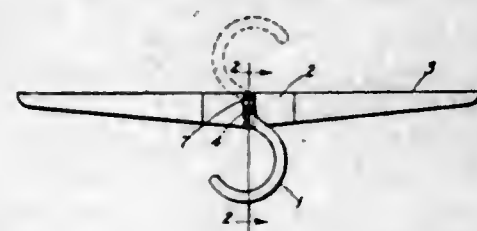
2,434,430

TROUSER HANGER

Leo S. Paulic, East Lansing, Mich.

Application January 10, 1947, Serial No. 721,397

2 Claims. (Cl. 2-271)



1. In combination with a trouser leg and a pair of elongated pockets attached thereto, a hanger consisting of an elongated flexible strip, a short metal strip attached thereto to reinforce the said elongated strip, a hook, rotatably attached equidistant from each end of the said elongated strip, the short end of the said hook having an indentation thereon, a nipple of the said indentation protruding toward the said short strip and conforming with a hole therein, the said nipple of the said indentation in combination with the said hole in the said short strip to prevent the said hook from rotating while the trousers are being worn.

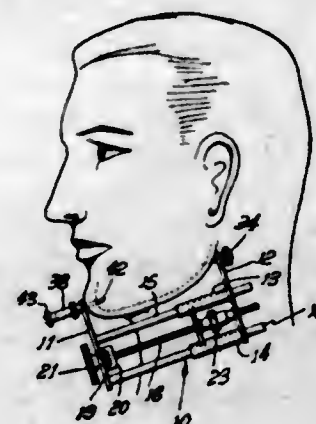
2,434,431

SURGICAL PIN GUIDE

Douglas F. Pincock, Santa Barbara, Calif., assignor of one-half to Jack R. Pava, Santa Barbara, Calif.

Application September 16, 1944, Serial No. 554,351

4 Claims. (Cl. 128-92)



1. A surgical pin guide comprising: a pair of arms; telescopic means connecting said arms; a feed screw mounted on one of said arms cooperative engageable with the other arm for varying the position of the arms with respect to each other; a centering pin mounted in one arm; a director tube mounted on the other arm, and a removable director pin in said tube; said pins extending in the same longitudinal axis and having sharp inner end portions; and releasable means mounted on one of said arms for disengagement of said feed screw to permit free movement of the arms toward and from each other.

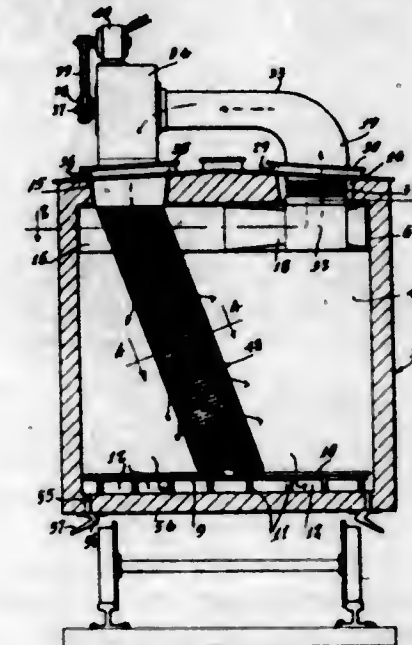
2,434,432

METHOD AND APPARATUS FOR PRE-COOLING FREIGHT CARS

Andrew Y. Preble, El Centro, Calif.

Application March 13, 1944, Serial No. 526,301

7 Claims. (Cl. 62-24)



1. In apparatus for precooling a freight car having a floor grating and ice bunkers at its ends, with hatches through the car roof, and having bottom and upper openings through the bunker wall into the cargo space of the car; the combination of means for covering a portion of the upper opening through the bunker wall, a duct in the upper portion of the bunker having an inlet substantially covering the remainder of said upper opening, a duct located above the car roof and seating over the hatch opening that lies adjacent to said inlet, and means connected with the last-named duct for withdrawing air from the duct and from the cargo space through the said inlet, and for forcing the air down through the other hatch opening, through the ice in the ice bunker and back into the cargo space through the said bottom opening.

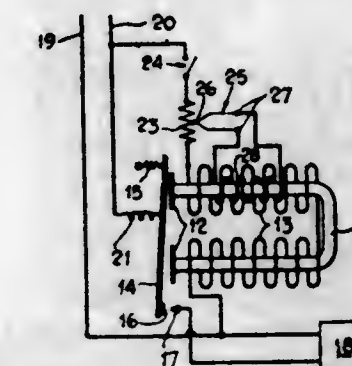
2,434,433

CONTROL CIRCUIT

William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation

Application December 9, 1942, Serial No. 468,367

9 Claims. (Cl. 175-320)



1. In a time delay system: an electromagnetic relay comprising a core and an armature cooperable therewith; a circuit for operatively energizing said relay including a coil winding for the relay; switching means for controlling said circuit; and an electrically-heated thermoelectric generating device, the heating of which is effected by passage of current through said circuit, for additionally energizing said relay; said thermoelectric device being so constructed and arranged that the generation of energy thereby continues after interruption of said circuit by said switching means, so that the deenergization of the relay is then delayed for a predetermined interval.

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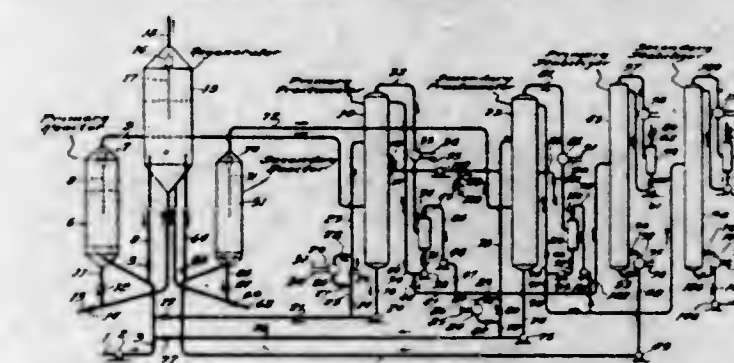
2,434,434

HYDROCARBON CONVERSION

Davis Read, Jr., La Grange, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 10, 1945, Serial No. 572,205

3 Claims. (Cl. 196-49)



1. A two-stage fluidized catalyst cracking process which comprises treating a hydrocarbon oil in a first fluidized catalyst cracking stage, fractionating the resultant product containing entrained catalyst particles to recover a gasoline boiling range material, intermediate boiling range material and a higher boiling range material containing said entrained catalyst particles, returning the latter to said first fluidized catalyst cracking stage, directing the gasoline boiling range material to a second fluidized catalyst cracking stage for treatment therein, fractionating the products containing entrained catalyst particles from said second fluidized catalyst cracking stage together with said intermediate boiling range material to recover a gasoline boiling range fraction and a higher boiling material containing the entrained catalyst particles, and returning said last named material to said first fluidized catalyst cracking stage.

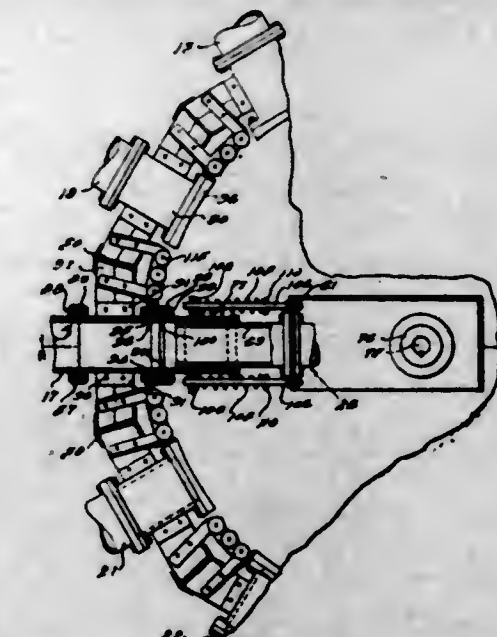
2,434,435

SYSTEM FOR CONVEYING CHIPS OR OTHER LOOSE MATERIAL

Sidney Reibel, Huntington Woods, Mich.

Application January 5, 1945, Serial No. 571,454

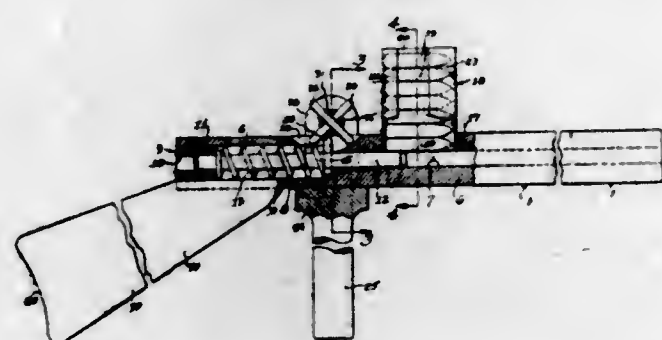
16 Claims. (Cl. 302-28)



1. In a conveyor system, means supporting the ends of a plurality of discharge pipes adapted selectively to deliver material to different discharge points, a discharge tube, means movably supporting the tube so that it may be brought into register with the end of any of the pipes, a telescopic section on the end of the tube for registering with the pipes, and means for automatically and telescopically moving the section on the tube when the latter is moved from one pipe to another so as to bring the section into and out of engagement with the pipes, the last means including stationary elements between the discharge pipes and engageable by the telescopic section as it moves.

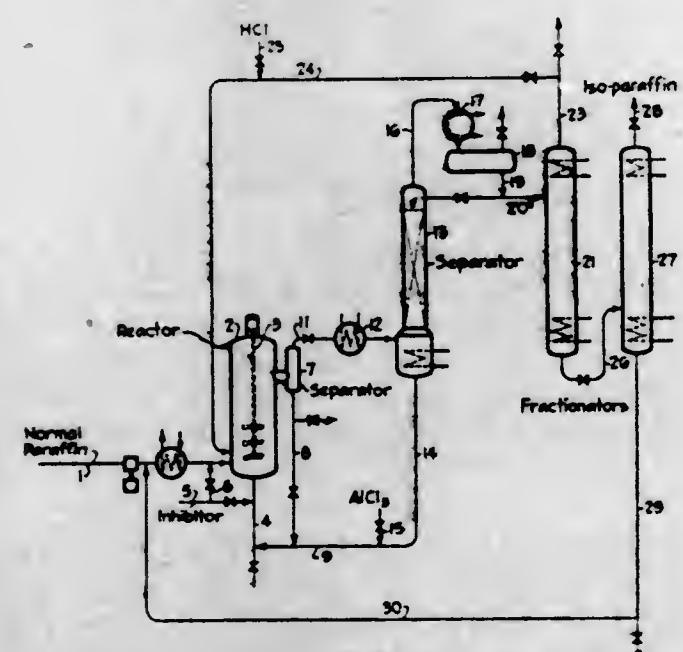
2,434,436 TOY MACHINE GUN

Harold S. Rochowiak, Detroit, Mich.
Application June 22, 1944, Serial No. 541,501
1 Claim. (Cl. 124-27)



A mechanical gun, comprising a barrel member having a longitudinal bore terminating at one end in an enlarged bore portion, a sleeve for being inserted in the enlarged bore, a plunger mounted in said enlarged bore with one end guided in said sleeve and the other end projecting into and guided in said longitudinal barrel bore, a handle structure secured to the barrel having forked arms projecting above said barrel and a handle projecting downward below said barrel, a rotary tripping member mounted between said forked arms and journaled therein, said tripping member engaging and releasably retracting said plunger, and a coil spring engaging and urging said plunger toward said tripping member.

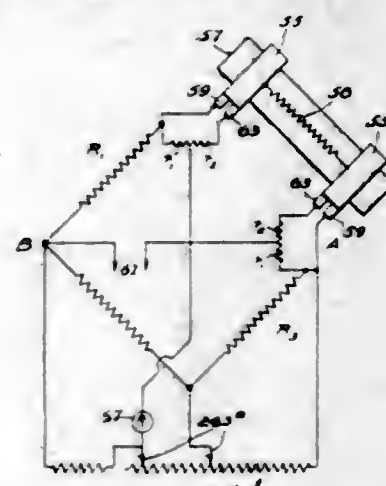
2,434,437
PROCESS FOR ISOMERIZATION OF PARAFFIN HYDROCARBONS WITH FLUID FRIEDEL-CRAFTS CATALYST AND ADDED DICYCLIC NAPHTHENIC HYDROCARBONS
William E. Ross, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 15, 1944, Serial No. 526,843
9 Claims. (Cl. 260-683.5)



1. A process for the conversion of pentane to isopentane which comprises contacting pentane in admixture with a promoting amount of a hydrogen halide at isomerizing conditions with a liquid admixture comprising decalin and a fluid aluminum chloride-containing catalyst, thereby converting normal pentane to isopentane in the absence of any substantial hydrocarbon decomposition.

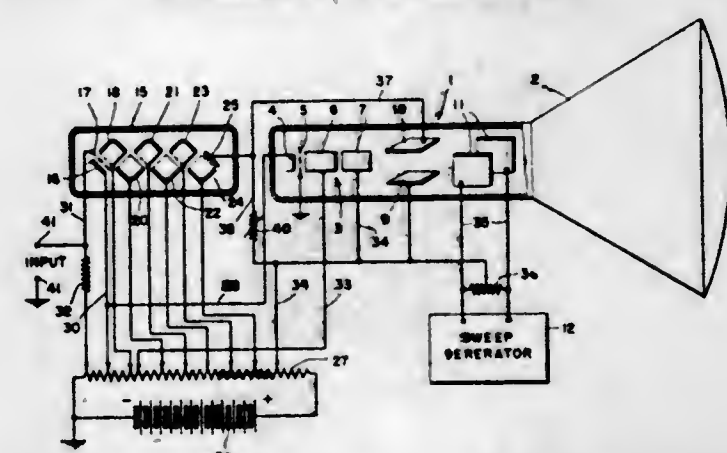
2,434,438 CONDITION RESPONSIVE CIRCUIT FOR ROTATABLE MEMBERS

Arthur C. Ruge, Cambridge, Mass., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application May 23, 1947, Serial No. 750,080
4 Claims. (Cl. 177-351)



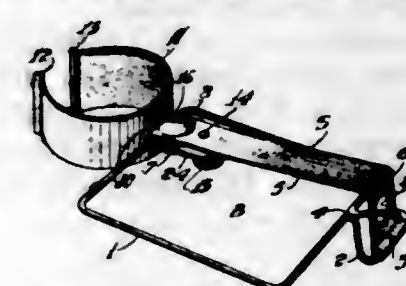
1. Apparatus responsive to a change of condition comprising, in combination, a rotating member, a Wheatstone bridge having two arms constituting electrical impedance means mounted on said member for rotation therewith and at least one of said arms being adapted to undergo a change in impedance in response to a change of said condition, three slip rings also mounted on said member for rotation therewith, a power circuit having main brushes engaging two of said rings for supplying current to said arms on the rotating member, auxiliary brushes engaging said two rings which are engaged by said main brushes, a third brush engaging said third slip ring, and the two arms on the rotating member and the remainder of the Wheatstone bridge being connected together in a circuit through said two auxiliary brushes, whereby unbalance of said bridge is transmitted through one of said circuits, said third slip ring and its brush.

2,434,439
OSCILLOSCOPE AMPLIFIER
Hans W. G. Salinger, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application February 15, 1945, Serial No. 578,027
8 Claims. (Cl. 315-18)



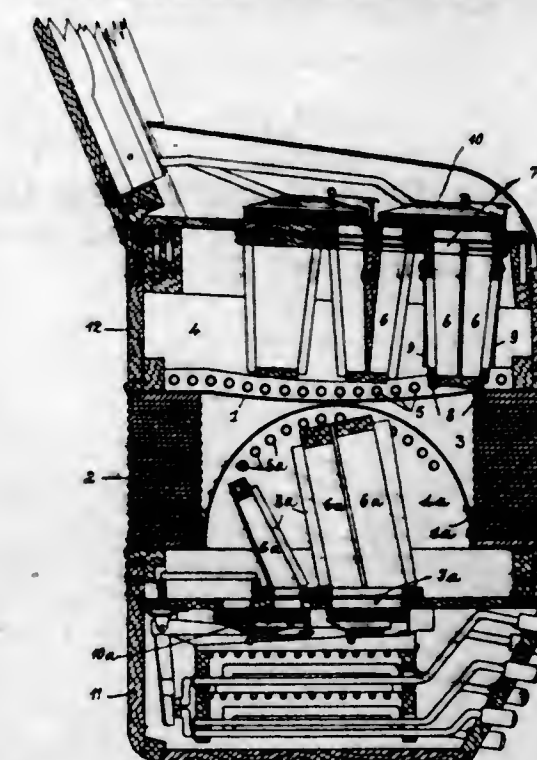
1. The combination of a cathode ray tube comprising a target, means for developing an electron beam of substantially constant intensity and focusing it upon said target, a pair of deflectors for deflecting said beam, an electron multiplier including a plurality of secondary emissive multiplying stages, an electron source for supplying electrons to the first of said multiplying stages, means for controlling the flow of electrons through said multiplier in accordance with an input signal, and means for coupling the output of said multiplier to said pair of deflectors, thereby to obtain an indication representative of said input signal and of its average value.

2,434,440
FLASHLIGHT HOLDER
Julius Schafranek, Newark, N. J.
Application August 14, 1946, Serial No. 690,491
5 Claims. (Cl. 248-359)



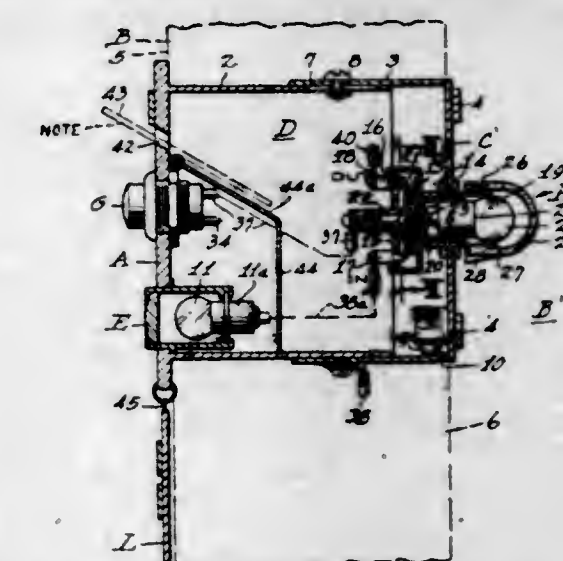
5. A flash-light holder including a single piece base having substantially a flat engagement area so it may be slipped back of a user's belt, a single piece flat stock L-shaped support member pivotally mounted at the horizontal arm of the L on the base at the extremity of one end so it will turn thereon through an angle of approximately 270° and a single member of resilient material for gripping a flash-light rotatably mounted at the free end of the support member so as to be rotated through 360° at any arcuate position of its mounting which of itself may be turned through an angle of approximately 180°.

2,434,441
DEVICE FOR RETARDING AND FOR REGULATING THE SPEED OF THE FLOW IN ACCORDIONS AND SIMILAR MUSICAL REED INSTRUMENTS
René Seybold, Strasbourg-Meinau, France
Application May 22, 1940, Serial No. 336,566
In France June 13, 1939
Section 3, Public Law 690, August 8, 1946
Patent expires June 13, 1959
5 Claims. (Cl. 84-376)



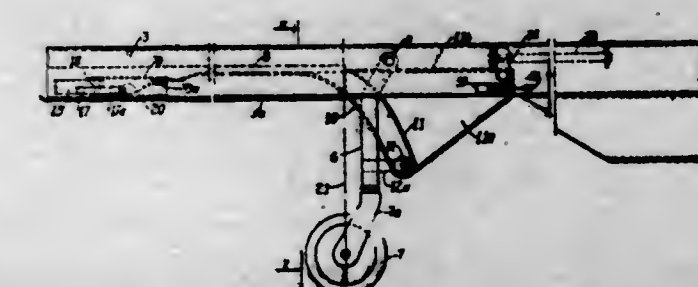
1. An accordion comprising two compartments, one of said compartments being elastic and the other rigid, and sound producing means in said rigid compartment, said means being adapted to produce musical sounds when air under pressure is admitted to the rigid compartment, a wall separating said two compartments, said wall having perforations to establish communication between said compartments, whereby regulation of the speed of the flow of air is secured, the number of said perforations corresponds in each case to the amount of air consumed, between the elastic compartment and the rigid compartment, the air compressed in the elastic compartment is driven through said perforations and delayed for a certain length before it flows into the rigid compartment.

2,434,442
COMBINED ELECTRICAL INDICATOR AND NOTE RECEPTACLE FOR DOORS
Wayne E. Stanfield, Oakland, Calif.
Application August 6, 1946, Serial No. 683,743
4 Claims. (Cl. 177-334)



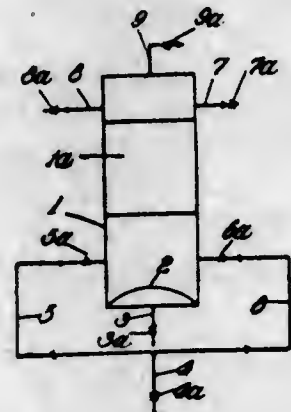
1. In an electrical indicator for a door; a plate arranged on the exterior surface of a wall or the like; a pair of windows mounted in said plate, one window having the word "In" displayed therein and the other being provided with the word "Out"; an electrical bulb disposed in back of each window for illuminating the latter to attract attention and render the words readable; a push button supported on said plate; an interior plate arranged on a room-side of the wall or the like; a selector switch carried by the interior plate and having two positions; an electrical circuit including the push button and the "In" bulb and designed to be closed when the selector switch is moved into one position and the push button is actuated, whereby the word "In" is readable; and a second electrical circuit including the push button and the "Out" bulb and arranged to be closed when the selector switch is moved into its other position and the push button is actuated, whereby the word "Out" is readable.

2,434,443
FULL AUTOMATIC LANDING LEGS FOR SEMITRAILERS
Ralph W. Starr, Napa, Calif.
Application July 17, 1944, Serial No. 545,326
8 Claims. (Cl. 280-33.05)



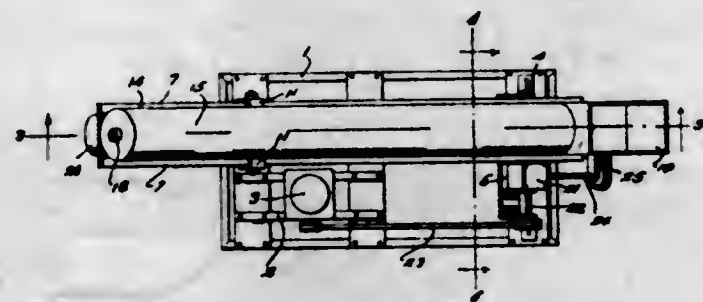
1. In combination, a trailer, a pair of legs pivotally secured thereto, means for swinging the legs from operative position where they support the trailer into retracted position and vice versa, said means including a cam adapted to move in the direction of the length of the trailer, a supporting rail carried by the trailer, a second supporting rail carried by the trailer, and a trolley slidable along both rails and supporting the cam, the trolley riding along the cam rail during a portion of the cam movement, whereby the length of the second rail can be less than the length of movement of the cam when swinging the legs.

2,434,444
PROCESS FOR THE PRODUCTION OF INDUSTRIAL OR POWER GASES
 Michael Steinschlaeger, London, England
 Application August 6, 1945, Serial No. 609,234
 In Great Britain September 24, 1942
 2 Claims. (Cl. 48-205)



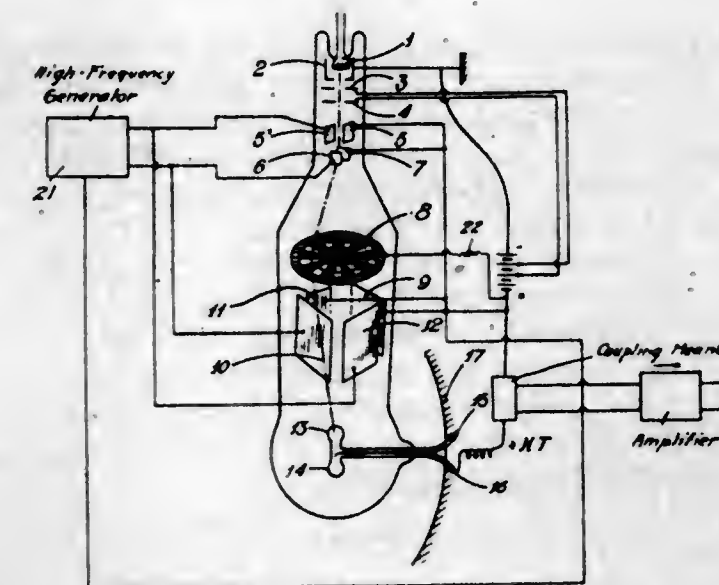
1. In a process for the production of industrial and power gases in which a bed of solid fuel or a mixture of solid fuel with oil in a generator is subjected to alternate blowing periods in which the fuel is reacted with a gas containing free oxygen and gas making periods in which the fuel is reacted with steam, the step of mixing hot gases leaving the said generator in a gas making period with an oil, the said hot gases being removed from the generator at at least one point between a boundary of the reaction zone and a boundary of the fuel bed at which they are still at a temperature sufficiently high and possessing sufficient sensible heat to crack the oil, the cracking of the oil being performed solely by said gases and the amount of the sensible heat of the gases being controlled by a choice of their point of exit between a boundary of the fuel bed and a boundary of the reaction zone.

2,434,445
VERTICALLY ADJUSTABLE GRAIN LOADING SCREW
 Bernard Stormberg, Kimball, Nebr.
 Application March 26, 1946, Serial No. 657,125
 3 Claims. (Cl. 198-122)



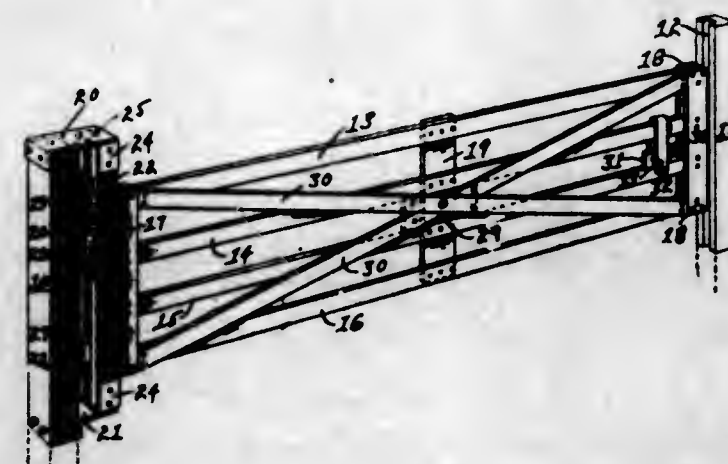
2. A grain loading machine, comprising a base, a pair of standards rising from the base, a substantially U-shaped hanger suspended between the standards for swinging movement in a vertical plane, a frame structure on the hanger, a conveyor mounted on the frame structure, said conveyor including a tube and an auger operable in the tube, said auger comprising a shaft, a transmission mounted on the hanger, a power plant mounted on the base, a drive-shaft extending from said transmission, means operatively connecting said drive-shaft to the shaft of said auger, a drive-belt operatively connecting said power plant to said transmission, and means on the base for adjustably supporting the conveyor in an inclined position.

2,434,446
PROCESS AND APPARATUS FOR PRODUCING EXTREMELY SHORT WAVES
 Pierre Marie Gabriel Toulon, Paris, France, assignor to Societe Generale de Machines et Brevets, Geneva, Switzerland
 Application November 11, 1936, Serial No. 110,309
 In France November 13, 1935
 Section 3, Public Law 690, August 8, 1946
 Patent expires November 13, 1955
 4 Claims. (Cl. 250-36)



1. In an apparatus for producing extremely short waves, an evacuated vessel containing the combination of an electron gun, means for imparting a circular sweeping motion to the flow of electrons from said gun, means for dividing said flow of electrons into a train of electron clusters, and an electrode for collecting said electron clusters, said electrode being tuned in length to the frequency of said short waves.

2,434,447
GATE
 Perry E. Van Horn, Grand Rapids, Mich.
 Application February 14, 1946, Serial No. 647,584
 1 Claim. (Cl. 39-81)

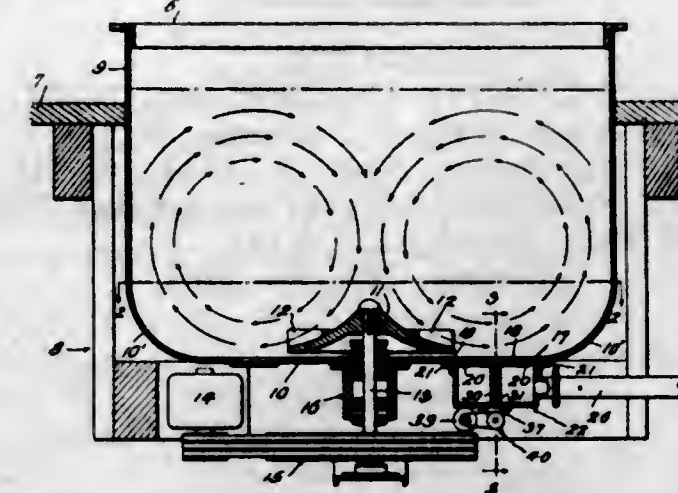


A gate structure comprising a vertically disposed end post having spaced laterally projecting gate hangers, a pair of spaced vertically disposed gate ends swingably hung between the hangers and provided with a plurality of spaced parallel companion notches along their inner lengths, and a gate whose one end is provided with a pair of spaced projecting tongues disposed between the spaced gate ends, one of said tongues having a transversely disposed pin projecting beyond its opposite sides adapted to be selectively seated within a companion pair of notches for vertically adjustably hanging the gate.

2,434,448
METHOD OF DETECTION OF SMALL LEAKS IN RECEPTACLES
 Charles E. Wade, Evansville, Ind., assignor to Seeger Refrigerator Company, a corporation of Minnesota
 No Drawing. Application November 1, 1945, Serial No. 626,168
 2 Claims. (Cl. 62-170)

1. The method of testing refrigeration units to detect small leaks which comprises dehydrating the refrigeration unit by application of heat and evacuation of the interior successively in a plurality of steps, charging the refrigeration unit with a predetermined charge of the refrigerant Freon and mineral lubricating oil, the refrigerant acting as a wetting agent to cause the lubricant to wet the interior of the unit, operating the unit to insure distribution of lubricant throughout the interior of the unit, removing the charge of Freon and subjecting the interior of the unit to hydrogen under pressure, the unit being at a predetermined temperature to insure fluidity of the lubricant and the said lubricant acting as a fluorescing agent, and subjecting the exterior of the unit to the action of radiant energy of a wave length below that of visible light in a dark place to cause the lubricant which is forced out of small leaks by the hydrogen under pressure, to fluoresce at the point of leakage.

2,434,449
CONTINUOUS PULPER AND SELECTOR
 Harold Donald Wells, Glens Falls, N. Y.
 Application September 20, 1943, Serial No. 503,120
 2 Claims. (Cl. 92-23)

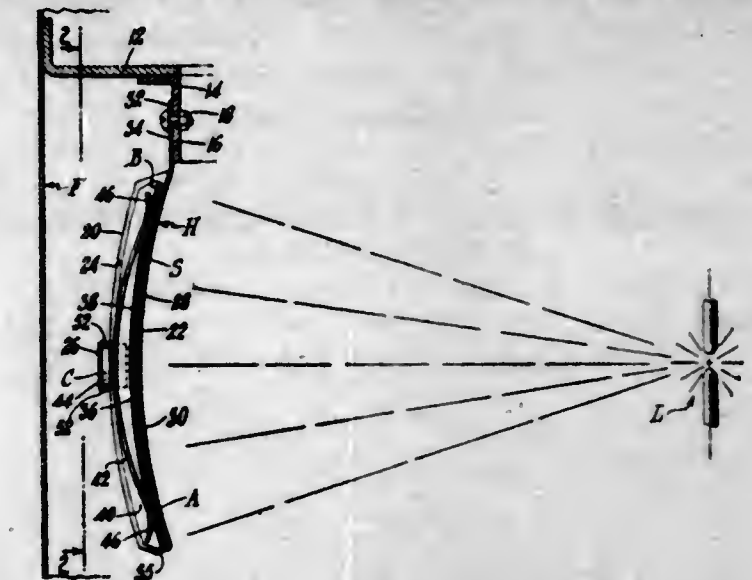


1. A pulper and selector comprising a pulping tank, a spirally-bladed beater and impeller mounted in said tank for beating the tank-contained stock and vortically circulating it, one of the walls of said tank having a vibratably mounted selector screen across which high-velocity stock is swept by said spirally-bladed beater and impeller, and means at the outer side of said selector screen for vibratorily actuating said screen while the stock is being vortically circulated and swept across said screen by said spirally-bladed beater and impeller.

2,434,450
ACCELERATED LIGHT FASTNESS TESTING APPARATUS
 Edward A. Williford, White Plains, N. Y., assignor to National Carbon Company, Inc., a corporation of New York
 Application October 1, 1941, Serial No. 413,125
 6 Claims. (Cl. 73-150)

1. A sample holder for use in accelerated testing apparatus including a concentrated substantially point source of light, said sample holder

being formed to provide equal intensity of light distribution from said source on all portions of a surface of a sample and comprising, in combination, a curved sample supporting member; a curved sample backing member; and removable means holding said members and a sample to be tested in assembled relation; each of said members comprising a channel member having a web

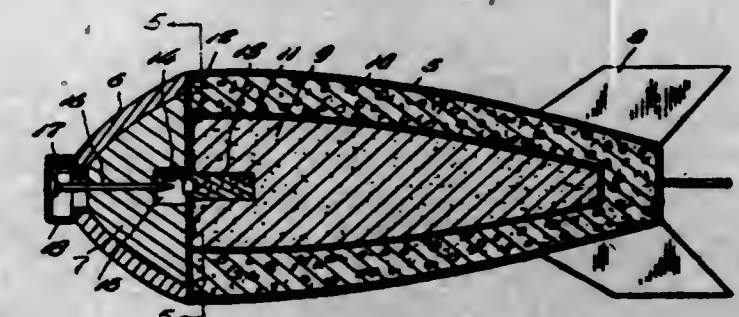


and spaced parallel flanges, said supporting member being formed with an intumed ear on each flange; said backing member having nesting engagement with said supporting member; and said removable means comprising a longitudinally extending member engaging the web of said backing member and a transversely extending member engaging said ears.

2,434,451
REFRACTORIES
 Leslie W. Austin, San Jose, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
 No Drawing. Application June 28, 1946, Serial No. 680,087
 22 Claims. (Cl. 106-58)

1. The method of making a refractory article of predetermined size and shape which comprises; thoroughly mixing with a major portion of a non-acid aggregate material, minor portions of bond-forming magnesia and silica each having a purity of at least about 95% and a particle size substantially entirely below 50 microns with a substantial fraction below 10 microns, the amount of magnesia being at least sufficient to react with all of the silica to form magnesium orthosilicate; and forming the resultant mixture into said predetermined size and shape.

2,434,452
AERIAL BOMB
 Lonnie Barber, Danville, Va., assignor of one-half to Irene Pritchett, Danville, Va.
 Application December 12, 1944, Serial No. 567,795
 1 Claim. (Cl. 102-2)

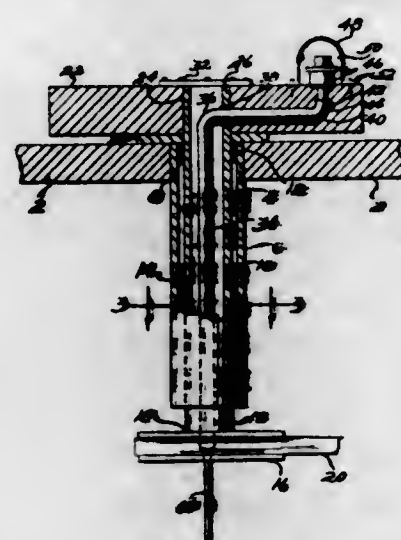


An aerial bomb comprising a light weight metal shell having a concave thickened nose of uniform thickness provided with a weight fitted

therein for maintaining said shell nose downward in the air, an explosive charge in said shell behind said nose and weight, shrapnel forming fragments in said shell between said charge and shell and behind said nose and weight, a transverse brace in said shell immediately behind said nose and weight and retaining said weight in said nose, a cartridge supported by said brace and embedded in said charge with a cap extending through said brace, and means carried by said nose for firing said cap upon striking of a target.

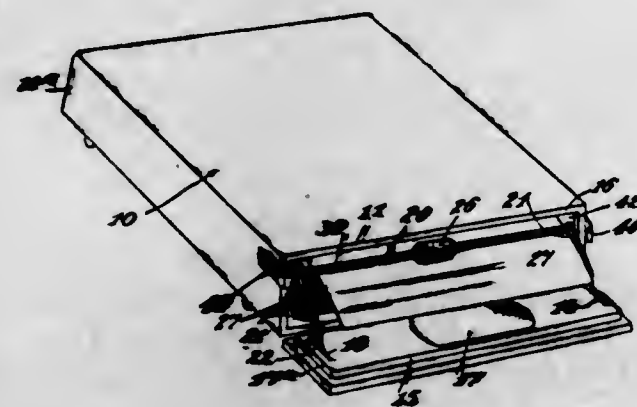
2,434,453
CENTRIFUGAL MEANS FOR ADMITTING AIR TO SUBMARINES

Charles E. Beeman, Grand Rapids, Mich.
Application July 23, 1946, Serial No. 685,751
4 Claims. (Cl. 114-16)



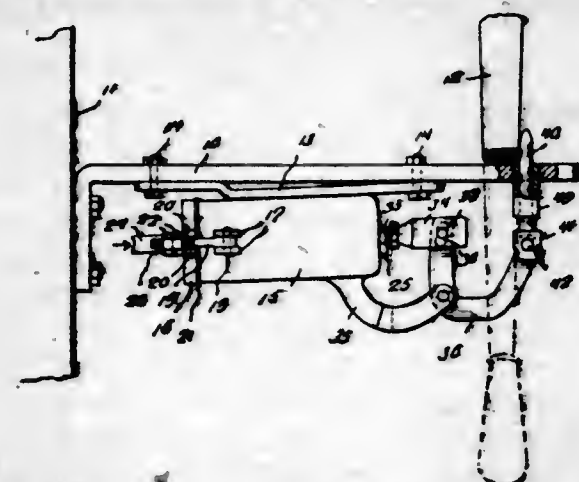
1. An air supply device for use by submerged vessels, comprising means carried on said vessel for rapidly rotating water between the vessel and the water surface substantially about a vertical axis to create a whirlpool with a vortex, and means for drawing air downward through said vortex.

2,434,454
SHEET PAPER DISPENSER
Paul Breitwieser, Jackson Heights, N. Y.
Application December 8, 1945, Serial No. 633,820
4 Claims. (Cl. 312-53)



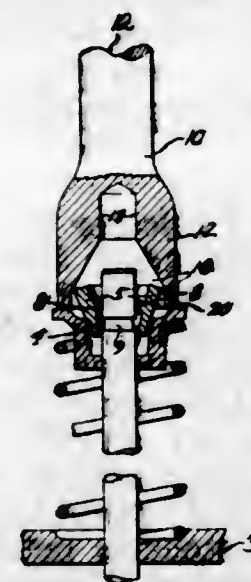
1. In a sheet paper holder, having a casing to enclose a pile of sheets, a pivoted door for closing an opening in said casing, an U-shaped stirrup supported by the door and supporting a roller adapted to rest on the top sheet of said pile, and means permitting rotation of said roller in the inward direction and preventing rotation in the outward direction, whereby upon the opening movement of the door the outward direction of the movement of the non-rotating roller draws the top sheet outwardly of the casing from the top of the pile.

2,434,455
SAFETY LOCK FOR LOCOMOTIVE THROTTLE LEVERS
Harland J. Cantrell, Huntington, W. Va.
Application May 31, 1946, Serial No. 673,480
3 Claims. (Cl. 74-526)



1. In a safety lock for locomotive throttle levers, a support positioned at an angle to the plane of oscillation of the throttle lever, a cylinder mounted on said support, a piston in said cylinder, a conduit connected to the cylinder for admitting fluid under pressure on one face of the piston, a compression spring within the cylinder and abutting the opposite face of the piston, a piston rod connected to the piston extending through one end of the cylinder, a lock pin mounted for reciprocation in the support and movable into and out of the plane of oscillation of the throttle lever, and a linkage connected at one terminus to the piston rod and at the other terminus to the lock pin for converting reciprocation of the piston rod in one plane to reciprocation of the lock pin in another plane.

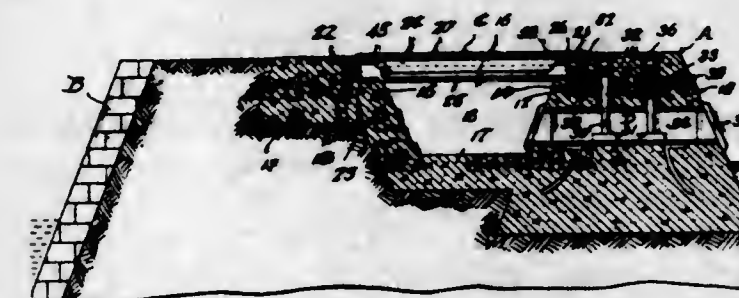
2,434,456
POPPET VALVE ASSEMBLING TOOL
Nathan B. Cook, Syracuse, N. Y.
Original application May 9, 1944, Serial No. 534,753. Divided and this application February 10, 1945, Serial No. 577,215
1 Claim. (Cl. 29-249)



A poppet valve tool for spring pressed valves in which the spring thrusts against the spring abutment on the valve stem, and the abutment has a laterally extending annular flange at its outer end and is held in position on the valve stem by lock members fitting in a conical recess in the abutment and having internal ribs interlocking in a groove in the valve stem, said tool comprising a rigid single piece head having a socket extending inwardly from the outer end thereof for receiving the end of the valve stem, the head being provided at its outer end around the socket with a pressure face of flat annular form and of a size for pressing against the flange of the

spring abutment to depress the same, said socket having a lower cylindrical end section of a length and interior diameter to freely accommodate therein upper portions of the locking members when partially positioned in the recess of the abutment and when the outer end of the head is in engagement with the flange of the spring abutment, said socket also having a conical section converging inwardly and extending directly from the upper end of the cylindrical wall of said lower section for engaging the upper outer edges of the lock members and moving the latter axially along the valve stem into alignment with the groove therein and also tilting the same inwardly about the ribs thereof into interlocking engagement with the groove in the valve stem during the axial operating movement of the head while the abutment is being depressed by the end of the head, the socket also including a counter bore portion at the apex of the conical portion of the socket for receiving the extreme outer end of the valve stem.

2,434,457
CONVERTIBLE RIPARIAN STRUCTURE
Virginus M. Cruikshank, Sanbury, Pa.
Application January 12, 1945, Serial No. 572,495
5 Claims. (Cl. 61-30)

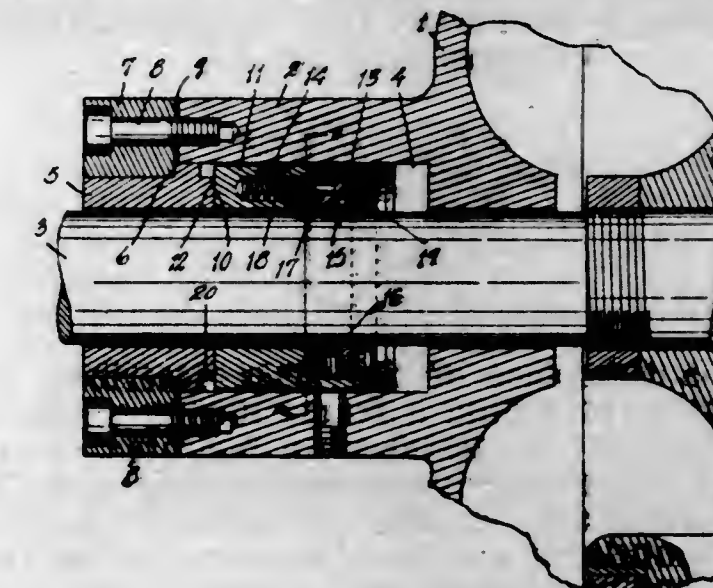


1. A convertible riparian structure for selective use as a thoroughfare and as a dike wall including panel units and a foundation so constructed as to define a depressed area in the upper surface thereof providing cross ties and oppositely disposed ledges for receiving and supporting the panel units in a horizontally disposed end to end relation with the upper surfaces of said units flush with the upper surface of the foundation to serve as a thoroughfare, means at one side of said foundation for anchoring said panel units in upstanding contiguous end to end relation with the lower side edges thereof disposed within and upon one of said ledges adjacent one side of the depressed area to function as a dike wall, yieldable gaskets interposed between the confronting edges of adjacent panel units and between the faces of the lower corners of the units and the adjacent walls of the depressed area of the foundation when said structure is used as a dike so as to seal said adjacent edges and coupling means secured to the anchoring means and engaging with and clamping the lower ends of the panel units within the depressed area of the foundation and compressing the gaskets therebetween.

2,434,458
SEALING DEVICE FOR SHAFTS
Paul N. Curry, Kalamazoo, Mich., assignor to Durametallic Corporation, Kalamazoo, Mich., a corporation of Michigan
Application May 20, 1944, Serial No. 536,559
3 Claims. (Cl. 286-7)

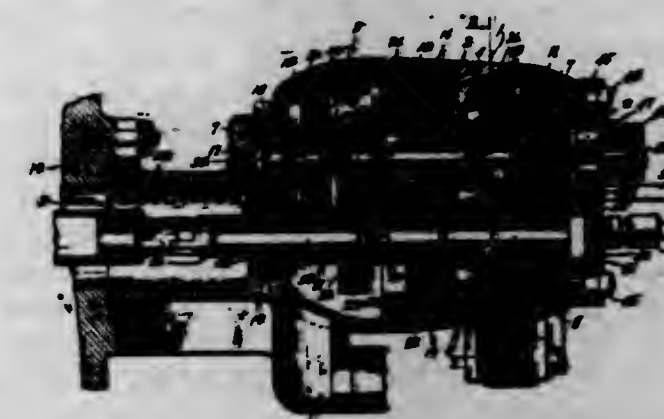
1. The combination with a rotatable shaft and a housing associated therewith, of an annular seal bearing element for surrounding the shaft and adapted to project into the housing, said

bearing element having an outwardly facing external shoulder, a retaining ring detachably connected to said housing and surrounding said seal bearing element and engaging the shoulder thereof, an annular sealing element for coaction with said seal bearing element and having an internal annular chamber completely encircling said shaft and extending longitudinally thereof, said chamber being open at one end, said sealing element having a plurality of longitudinal bores opening to its said chamber and having end walls at their opposite ends, a thrust collar secured to said shaft and disposed within said chamber of said sealing element, pins disposed in said annular chamber and extending longitudinally thereof and carried by said thrust col-



lar and projecting into said bores, springs disposed around said pins within said bores and disposed in end abutting relation to said thrust collar and with the end walls of said bores for urging said sealing element against said seal bearing element, said retaining ring engaging said shoulder to oppose the thrust of the sealing element against the seal bearing element, and an annular inwardly facing flexible packing of channel section arranged within said chamber of said sealing element at the inner side of and in supported relation to said thrust collar and in coacting relation to the shaft and the sealing element, said pins and springs being disposed axially on the opposite side of the thrust collar from said packing.

2,434,459
PUMPING MECHANISM
Josef Y. Dahlstrand, Indianapolis, Ind., assignor to Universal Gear Corporation, Indianapolis, Ind., a corporation of Indiana
Application November 20, 1943, Serial No. 511,140
5 Claims. (Cl. 184-6)



1. In combination, a rotary mechanism of the type having a normal operating speed in excess of efficient operating speeds of gear pumps, a casing enclosing a pump chamber and a gear case, said chamber having an oil inlet and an oil outlet, a pair of intermeshing spur gears in said chamber and constituting therewith a positive

displacement pump, a shaft for one of the gears extending into the gear case, a second shaft operatively connected with said rotary mechanism, reduction gearing in said gear case connecting the first and second shafts for imparting rotation of the second to the first at reduced speed, an axial passageway in the second shaft, and conduit means including said passageway connecting the oil outlet with said rotary mechanism.

2,434,460

BELL MOUNT FOR TIMEPIECES

Ferdinand Fengler, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application February 19, 1947, Serial No. 729,474
6 Claims. (Cl. 58-16)

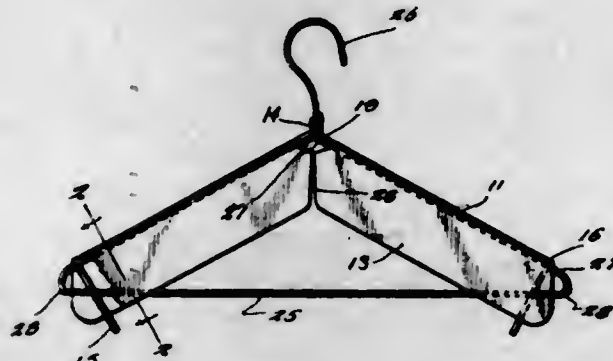


1. In a timepiece of the class described, the combination including a frame having a pair of fixed elements; an alarm-train mounted in said frame; a bell-clapper arranged to be actuated by said alarm-train; a bell; and bell-supporting means comprising a resilient member having fastening-elements constructed and arranged to be resiliently held in frictional engagement with the said pair of fixed elements of said frame to support said bell therein, in juxtaposition to said bell-clapper.

2,434,461

GARMENT PROTECTOR

Ben Forchheimer, New Orleans, La.
Application November 7, 1945, Serial No. 627,171
1 Claim. (Cl. 223-98)



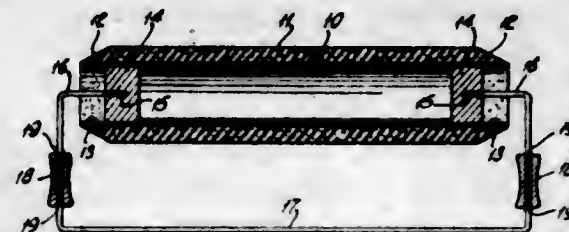
In combination with a wire garment hanger having a centrally disposed supporting hook formed with oppositely extending downwardly inclined supporting parts having their lower extremities integrally connected by a horizontally extending part, a cover member therefor having a restricted apertured central portion adapted to extend over said hook and similarly formed end wing portions at either end of said central portion having longitudinal spaced score lines defining central portions adapted to overlap and be supported by the inclined supporting parts of said hanger with the wing portions at the opposite side of said central portion being bent downwardly at right angles on said score lines to extend parallel with each other, and tabs formed as continuations of said central portions beyond the outer ends of said wing portion being formed with inwardly directed opposed notches with score lines between the inner ends of said notches, said tabs being also formed with longitudinally extending slots for receiving the outer ends of

said hanger when the tabs are bent downwardly at right angles to said central portions to hold the cover member in position upon said garment hanger.

2,434,462

TEXTURING DEVICE

James L. Kempthorne, Montclair, N. J.
Application August 31, 1945, Serial No. 613,793
8 Claims. (Cl. 41-5.5)

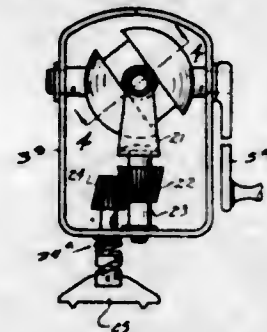


1. A texturing device for finishing surfaces of sprayed fibrous material, said device comprising a tube, an elongated cylindrical roller of resilient material mounted on said tube and enclosing the said tube, said roller terminating longitudinally in beveled, free ends overhanging the ends of the tube, bearings in said tube, a bar provided with turned ends freely received in said bearings, and handles on said bar for facility of manipulation thereof.

2,434,463

VALVE SEAT GRINDER

Joseph S. Klein, Jr., Detroit, Mich.
Application October 30, 1945, Serial No. 625,507
2 Claims. (Cl. 51-29)



1. A device for the purpose described comprising a frame, a rotatable shaft extending transversely thereof, a second shaft positioned at a right angle to the first shaft and supported by the frame, a yoke on the second shaft positioned within the frame and having eyed portions at a right angle to the longitudinal axis of the first shaft, a ball like element on the first shaft having a peripheral groove lying at an angle to the first shaft, roller like elements at each of the yoke ends engaging the groove on opposite sides of the first shaft, the arrangement providing that by rotation of the first shaft the second shaft is oscillated on its axis, a third shaft parallel with the second shaft, a gear on the second shaft, and a gear on the third shaft meshing therewith, the gear on the second shaft being of greater diameter than the gear on the third shaft, whereby oscillation of the second shaft through an arc of ninety degrees causes oscillation of the third shaft through an arc of greater than ninety degrees.

2,434,464

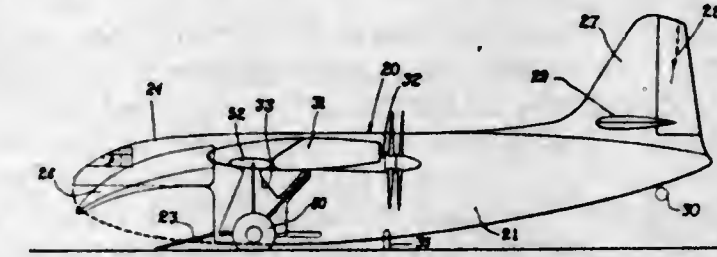
CARGO AIRPLANE

Camille R. Lemonier, East Aurora, and Samuel T. Payne, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application June 18, 1943, Serial No. 491,402
8 Claims. (Cl. 244-137)

1. In combination, an airplane having a fuselage with upper and lower portions, retractable

landing gear for the airplane including a guide track extending longitudinally along the lower portion of the fuselage, a guide carried by the guide track for sliding movement therealong, a wheel-carrying arm with a wheel thereon, said wheel-carrying arm being pivoted on the guide for vertical retracting movement, a strut for holding the wheel arm in its down position pivoted to the upper portion of the fuselage for fore and aft swinging movement and serving to cause vertical movement of the landing gear wheel as the guide is moved, and means for moving the guide along the track to effect thereby partial retraction of the landing gear.

8. In combination with an aircraft having a vertically adjustable landing gear spaced longitudinally in one direction from the center of

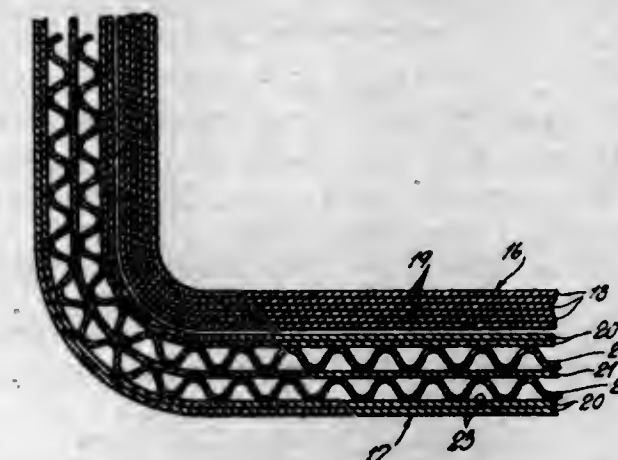


gravity of the aircraft, a landing gear element spaced longitudinally from the center of gravity in the opposite direction, said landing gear and landing element being adapted to support the aircraft upon landing, and support means disposed between said landing gear and landing element and spaced longitudinally from said center of gravity in said opposite direction, said support means being adjustable vertically on the aircraft to be in a raised position above a position of contact with the ground during landing of the aircraft on said landing gear and landing gear element, and to be lowered relative to the aircraft into contact with the ground subsequent to landing, the support means when so lowered being adapted to serve as a fulcrum about which the aircraft may be tilted upon vertical adjustment of said landing gear.

2,434,465

MANUFACTURE OF DUCTS

Henri M. Marc, Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application May 20, 1944, Serial No. 536,475
3 Claims. (Cl. 154-83)



1. In the manufacture of a heat- and moisture-resistant duct for the transmission of gases and vapors therethrough, the step comprising integrally uniting a plurality of layers of bibulous fibrous sheet material composed predominantly of non-combustible fibers to provide a wall structure comprised in said duct by applying between said layers of fibrous sheet material a spreadable aqueous adhesive composition having a viscosity of from 300 to 1000 centipoises at 77° F., consisting predominantly of a mixture of alkali silicate and calcareous hydraulic cement and containing a retarder, said alkali silicate consisting essentially of a mixture of sodium silicate and potassium silicate, the ratio by dry weight of said soluble silicate to said hydraulic cement being between about 4 to 3 and about 1 to 2.5, from about 10% to about 40% by dry weight of said soluble silicate consisting of potassium silicate and the soluble silicate constituting about 30% to about 50% by dry weight of said adhesive composition, and drying and heat-curing the so united layers at a temperature of about 200° F. to 700° F. thereby hardening and insolubilizing said adhesive composition in situ while carried by and between said layers of fibrous sheet material and unifying said layers into an integral rigid wall structure.

2,434,466

COMPOSITE BOARD

Henri M. Marc, Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application May 23, 1944, Serial No. 536,860
8 Claims. (Cl. 154-45.9)

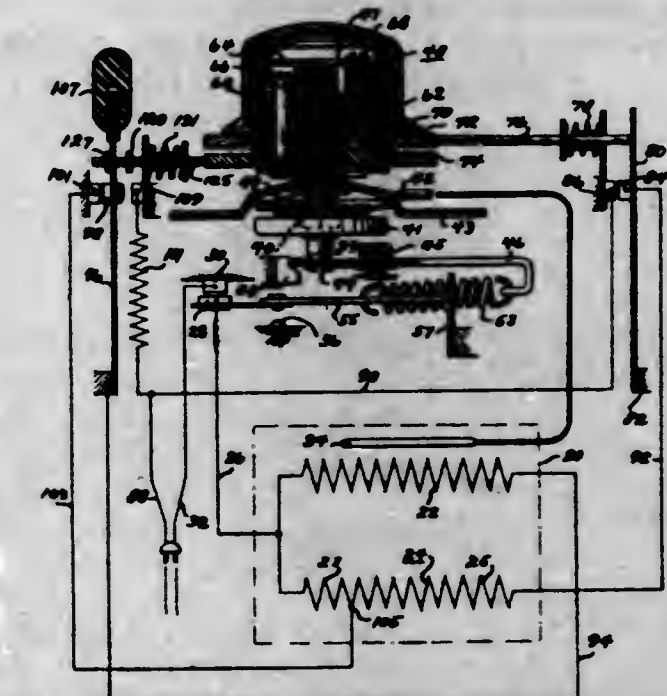


1. In a fabricated composite board-like product comprising a plurality of layers of sheet material at least one of which consists of fibrous sheet material, a hardened and insolubilized cementitious bonding material which integrally unites said layers of sheet material including said layer of fibrous sheet material in the form of a rigid board-like body and which is composed predominantly of a mixture of alkali-silicate and calcareous hydraulic cement, the ratio (dry weight) of alkali silicate to hydraulic cement being between about 4 to 3 and about 1 to 2.5, said alkali silicate being a mixture of sodium silicate and potassium silicate and from 10% to 75% by dry weight of said alkali silicate consisting of potassium silicate.

2,434,467

ELECTRIC HEATING SYSTEM FOR OVENS

Francis H. McCormick, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 17, 1940, Serial No. 319,519
14 Claims. (Cl. 219-20)



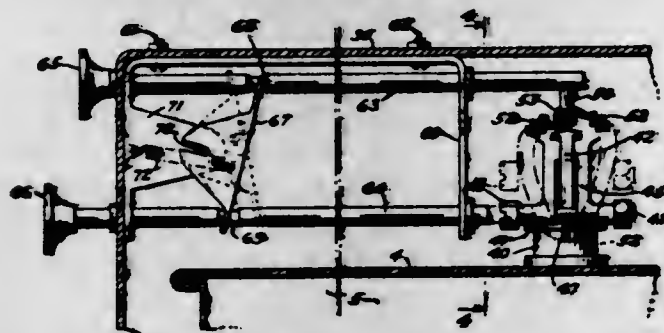
14. An electric heating means for heating a zone to be heated, single pole thermostatic switch

means for controlling the connection of the heating means to one live supply line of a power source to regulate the temperatures of said zone, connecting means for connecting said heating means selectively into a baking circuit arrangement and into a preheat circuit arrangement and including switch means controlling the connection to another live supply line of said power source, manually operable means having off and on positions for operating said connecting means to change from the baking circuit arrangement to the preheat circuit arrangement in the on position and disconnecting said live supply lines in the off position, and electrically operated means energized in response to the opening of said thermostatic switch means for controlling the operation of said connecting means to change from the preheat circuit arrangement to the baking circuit arrangement.

2,434,468

PLURAL COMPARTMENT TUMBLER TYPE WASHING MACHINE

Norman S. McEwen, Fort Lauderdale, Fla., assignor to Helpy Selfy Service System, Inc., Fort Lauderdale, Fla., a corporation of Florida
Application April 4, 1946, Serial No. 659,578
8 Claims. (Cl. 68-145)

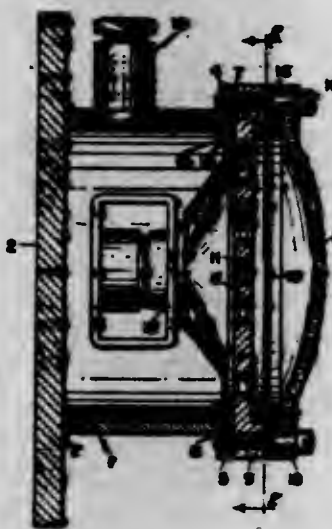


1. A washing machine comprising a drum of substantially regular polygonal shape having imperforate internal partitions creating a plurality of washing compartments, one compartment for each peripheral side of the drum, a shaft upon which said drum is mounted for rotation, means for supplying a washing liquid to each of said compartments through a portion of said shaft, means for rotating said shaft, and a dump valve for draining each compartment of its contained liquid.

2,434,469

PRESSURE-PROOF REPRODUCER

William A. Myers, San Diego, Calif., assignor to the United States of America, as represented by the Secretary of the Navy
Application July 1, 1944, Serial No. 543,149
4 Claims. (Cl. 181-31)



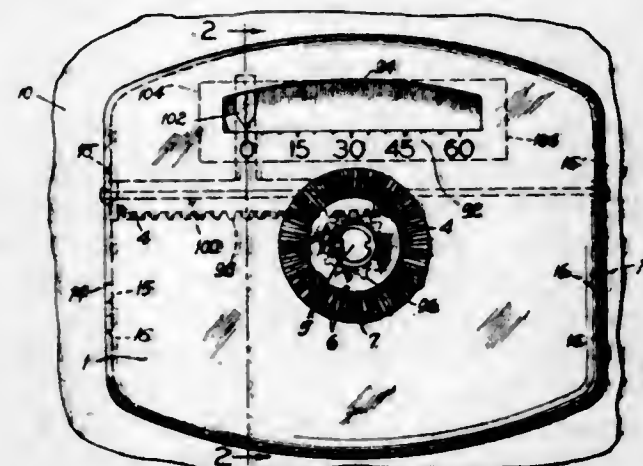
1. A loudspeaker adapted to be submerged in a liquid under pressure comprising: a relatively heavy tubular housing, closed at one of its ends;

a cone-type speaker positioned in said housing, facing the open end of said housing; a relatively heavy, perforated baffle secured to the open end of said housing; a relatively stiff diaphragm, mounted externally of said perforated baffle; means extending through a perforation in said baffle connecting the cone of said speaker to said diaphragm; and flexible means connected to said baffle and said last mentioned means arranged and adapted to prevent the flow of said liquid therebetween.

2,434,470

AUDIBLE TIME SIGNAL

Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware
Original application July 17, 1941, Serial No. 402,792. Divided and this application May 4, 1944, Serial No. 534,069
3 Claims. (Cl. 161-15)

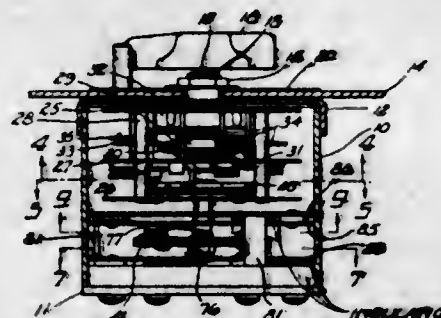


1. Indicating means for an interval timer having a timing shaft extending through a substantially flat face plate and having a knob on the shaft in front of the face plate for controllably setting the shaft, comprising a substantially straight-line horizontal scale on the plate adjacent to an opening through the plate, the scale and the opening being above the knob, a pinion on said shaft behind the plate, a straight-line guide supported on the plate, a rack member traversing said guide and cooperating with said pinion, a second straight-line guide attached to the plate below the opening and spaced therefrom behind the opening, and a pointer extending from said rack member and hooked over said second guide to present a pointer part behind said opening and adjacent to said scale.

2,434,471

ELECTRIC TIME SWITCH

Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes Incorporated, Hartford, Conn., a corporation of Connecticut
Application March 19, 1946, Serial No. 655,442
14 Claims. (Cl. 161-1)



1. An electric time switch for controlling two circuits and comprising a manually operable control member and having in sequence the following circuit controlling positions, (1) "off," (2) "first circuit on," (3) "second circuit on," and

settable in positions from which the member is to be moved automatically toward position #1, a timer for moving the member automatically toward position #1, switch means operated by said member and having off position corresponding to position #1 and having circuit-making positions corresponding to positions #2 and #3 of the member, spring means tending to return the switch means to position #1, latch means for retaining the switch means in positions #2 or #3 and having provisions for latching the switch means in position #2 when released from position #3 and for offering greater resistance to the unlatching operations at position #2 than at position #3, and a mechanism capable of operation through manually-effected movement of said member toward position #1 for releasing the latch means when the switch means is at positions #2 or #3 and capable through the timer-effected movement of the member to release the latching means when the switch means is at position #3 but incapable at position #2 wherein the latching means offers greater resistance to unlatching than at position #3 whereby timer-controlled release of the latching means when the switch means is at position #3 results in spring-effected movement of the switch means to position #2 from which it can be released only by manual control.

2,434,472

LENGTH GAUGE FOR CROSSCUT SAWS

Walter B. Roddenberry, Jr., Marietta, Ga.
Application March 24, 1945, Serial No. 584,639
3 Claims. (Cl. 29-67)

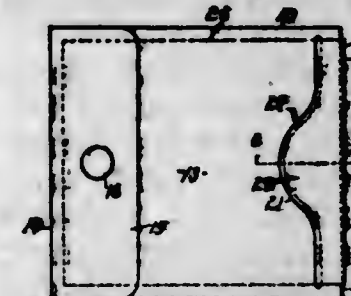


1. The combination with a saw table, a saw blade extending therethrough, and a work-feeding bar movable over the table toward and from said saw blade and having a leading edge, of means for predetermining lengths to be cut from a work strip having a row of pierced apertures therein comprising an anchor plate provided with a lateral pin for entering said apertures, and means to mount said plate on said edge of said bar adjacent one end thereof for adjustment vertically and longitudinally into different set positions comprising a gauge plate adjustable along said edge of said bar, means slidably connecting the anchor plate to the gauge plate for vertical adjustment in a straight line, and means for locking said anchor plate in adjusted position.

2,434,473

BILFOLD HAVING EXTERNAL ACCESS MEANS

Jerman E. Stock, New Haven, Conn.
Application January 31, 1945, Serial No. 575,377
2 Claims. (Cl. 150-38)



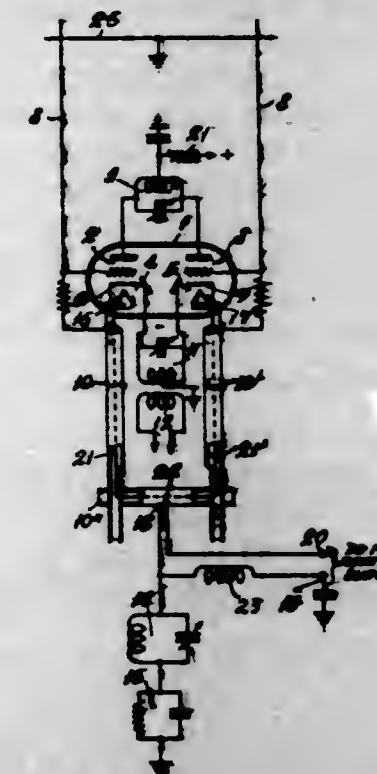
1. As a new article of manufacture, a billfold, having external access-means, including in combination: a unitary structure providing a front-

panel, a back-panel and a hinge-portion extending transversely of the billfold; the said front-panel and the said back-panel each being provided immediately adjacent the said hinge-portion with one of two complementary substantially-transverse clearance-slots through which may be extended the folded portion of a bill held between opposed inner faces of the said front-panel and the said back-panel when the said panels are folded together; both of the said clearance-slots extending closely adjacent to but terminating short of the respective opposite side-edges of the billfold and being laterally spaced apart in a direction lengthwise of the billfold by the said transverse hinge-portion which forms a tie between the opposite edges of the billfold at the point of junction of the said front-panel and the said back-panel, the said hinge-portion serving to support the inner face of the folded portion of a bill having its free ends extended respectively through the said clearance-slots into the interior of the billfold; each of the said transverse clearance-slots extending completely through the panel in which it is formed from the inner to the outer surfaces thereof to enable a folded bill to be withdrawn from the interior of the billfold by gripping the exteriorly-exposed folded portion of the bill extending around the said hinge-portion.

2,434,474

CIRCUIT ARRANGEMENT FOR ULTRA SHORT WAVES

Maximilian Julius Otto Strutt, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application March 23, 1943, Serial No. 486,197
In the Netherlands January 28, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 28, 1961
4 Claims. (Cl. 250-20)



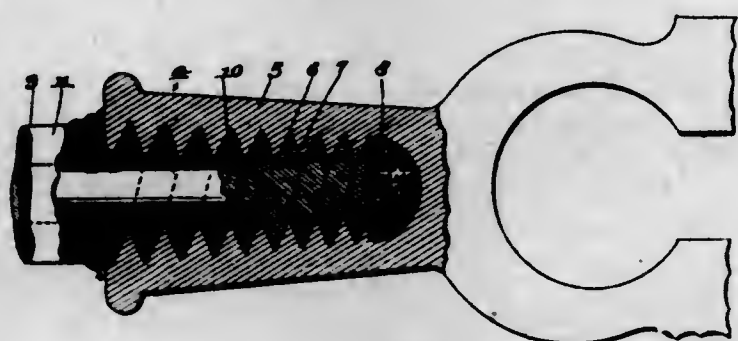
1. A circuit for ultra short waves, more particularly a mixing circuit, comprising a resonant circuit which includes two parallel conductors and an electron discharge tube having a filament, an indirectly heated cathode connected to a point on the resonant circuit which is not earthed for high frequency, an alternating current supply earthed for high frequency for heating the cathode, heating supply conductors for the filament, means for grounding a point on said supply conductors for high frequency energy, said supply conductors considered between said ground point and the point of the resonant circuit connected

to the cathode being tightly coupled throughout their lengths for high frequency currents to the part of the conductors of the resonant circuit located between both points, in such manner that between the cathode and the filament of the tube there appear at least substantially no alternating voltages having a frequency whose order of magnitude corresponds to the natural frequency of the resonant circuit.

2,434,475

ELECTRICAL CONNECTOR

Harry G. Sullivan, De Land, Fla., assignor to Merchandising Engineers, Inc., Detroit, Mich., a corporation of Michigan
Application September 21, 1944, Serial No. 555,143
2 Claims. (Cl. 173-259)



1. The combination of a cable and connector, the connector comprising a shank having a recess therein, a tapered screw thread on the interior of said recess decreasing in diameter inwardly, and a chamber having lubricant therein at the inner end of said recess, the cable comprising a core of metal softer than the threads of the shank and of such diameter as to be bitingly engaged by the threads at the inner end of said recess, and an insulating cover for said core of such diameter as to be bitingly engaged by the threads at the outer end of said recess, said cable having the insulation removed from the end of said core for a distance less than the length of the threaded portion of said recess, said cable having threads formed on its core and insulation by rotation of said cable in said recess, whereby when the cable is inserted in said recess the lubricant is forced through the convolutions of said threads to lubricate the cable, and the insulation forms an effective seal to prevent loss of the lubricant.

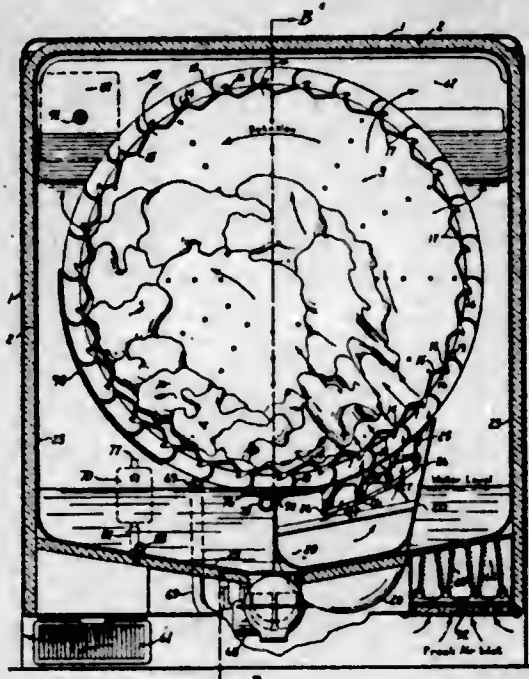
2,434,476

COMBINED DRYER AND AUTOMATIC WASHER

Nathaniel B. Wales, New York, N. Y., assignor to Industrial Patent Corporation, New York, N. Y.
Application April 19, 1946, Serial No. 663,501
5 Claims. (Cl. 68-19)

1. A combined textile dryer and washer adapted to wash, rinse, centrifugally extract moisture and air-dry said textile, comprising a rotatable washing and drying chamber, means to rotate said chamber by an air-jet generated by a motor-driven blower, means to permit said air-jet to issue from a nozzle and to impinge on vanes positioned on the outer circumference of said chamber, means to entrain wash and rinse water into said air-jet, orifices formed in the circumference of said chamber adjacent to the inner edge of said vanes to permit said air and entrained water to penetrate into said chamber after said air and water is deflected by said vanes, duct means for re-circulating said air during said washing, rinsing and centrifugal-extraction periods through

said blower, nozzle and drum, and duct control means to expel a portion of said re-circulated air

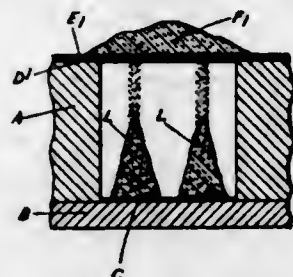


and to admit an equivalent portion of heated fresh air during said air-drying period.

2,434,477

MANUFACTURE OF MOULDED ARTICLES HAVING DIFFERENTLY SHADED ZONES THEREIN FROM MOULDING POWDERS

Hugo Adolf Maria Winter, Maryport, England, assignor to Messrs. Hornflowa Limited, Maryport, England, a British company
Application June 27, 1944, Serial No. 542,370
In Great Britain July 7, 1943
11 Claims. (Cl. 18-48.8)



1. A process for the production of moulded articles with differently shaded zones therein, consisting in feeding mouldable powdered material into a mould through perforations in a stencil so as to form discrete heaps of powder on the base of the mould, filling the space around and over such heaps while still in an uncompressed state with a mouldable powdered body material of a different shade, forming depressions in the said body material by means of a press member with projections thereon, filling the depressions so formed with further mouldable powdered material of another shade from that of said powdered body material, compressing the product to a tablet form, and moulding it to a solid body under heat and pressure.

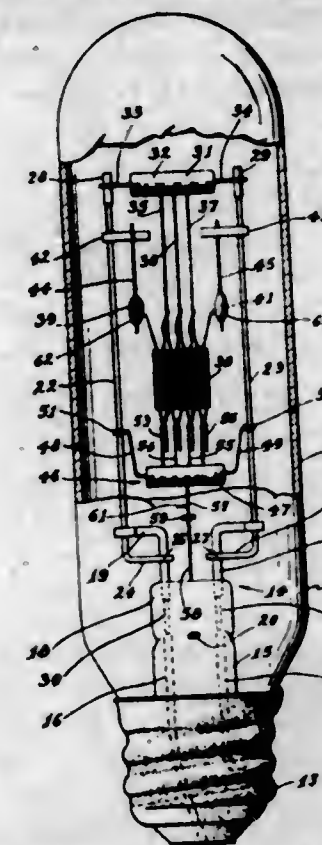
2,434,478

INCANDESCENT ELECTRIC LAMP AND METHOD

Howard E. Allen, Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1943, Serial No. 515,252
15 Claims. (Cl. 176-39)

1. An incandescent electric lamp comprising supporting wires, insulator means connecting portions of said wires, supports depending from said insulator means, a filament comprising a plurality of sections united by loop portions connected to said supports, additional supports con-

nected to and disposed inwardly of said supporting wires, the terminals of said filament comprising coiled sections slidable on said additional supports, and means making permanent elec-

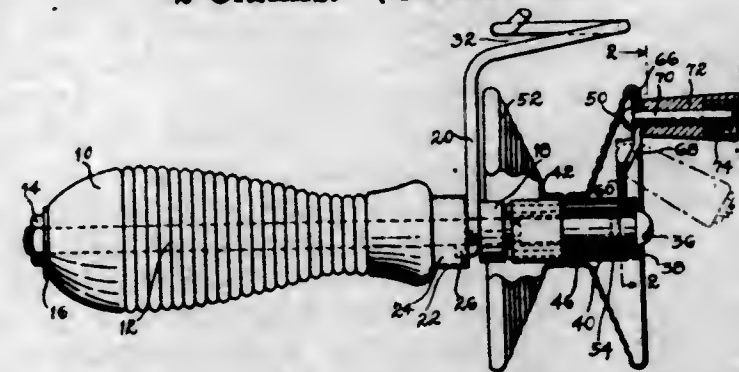


trical contact between said coiled sections and additional supports comprising a conductive paste applied to said coiled sections and the engaged portions of said supports.

2,434,479

REEL ASSEMBLY

Raney R. Allen, Dayton, Ohio
Application February 15, 1946, Serial No. 647,860
2 Claims. (Cl. 242-96)



1. A reel assembly including a hand grip handle, a shaft extending through the handle, a collar mounted upon the shaft in spaced relation from the end thereof, a spool including a hub rotatably mounted upon the shaft beyond the collar, a line-levelling device clamped between the collar and the handle, and a collapsible crank handle for rotating the spool, said collapsible handle having an operative and an inoperative position.

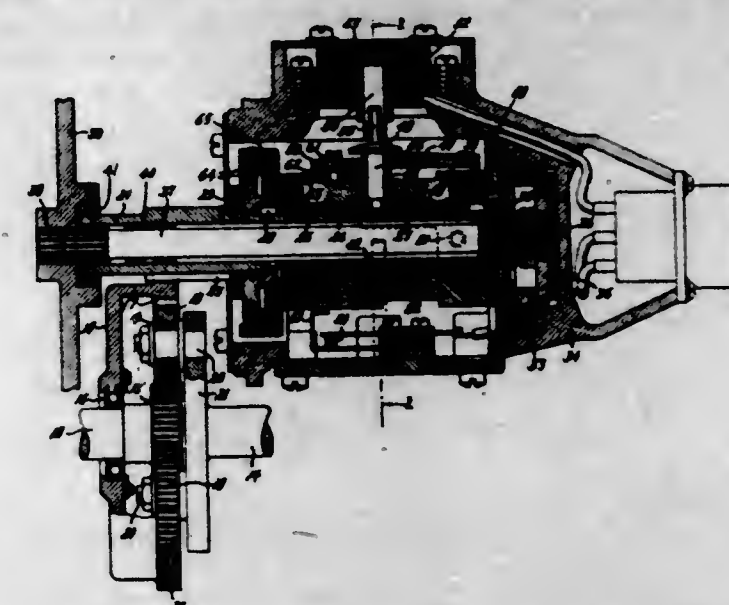
2,434,480

BRAKE MECHANISM

Cleophos E. Anderson, Columbia City, Ind., assignor to General Electric Company, a corporation of New York
Application December 1, 1943, Serial No. 512,468
3 Claims. (Cl. 188-1)

1. A brake mechanism for a rotatable shaft adapted to be driven by an external source of power, said mechanism including spring brake means having one end secured to said shaft, means including a rotatably supported brake sleeve means having one end held stationary, said spring brake means being arranged within said sleeve, means for restraining the free rotation of said spring brake means with said shaft, resilient means for biasing said restraining means away from engagement with said spring brake

means, electro-magnetic means adapted to be excited by an external source for actuating said restraining means whereby said spring brake means are expanded to engage said sleeve when said electro-magnetic means is energized and to release said restraining means whereby said

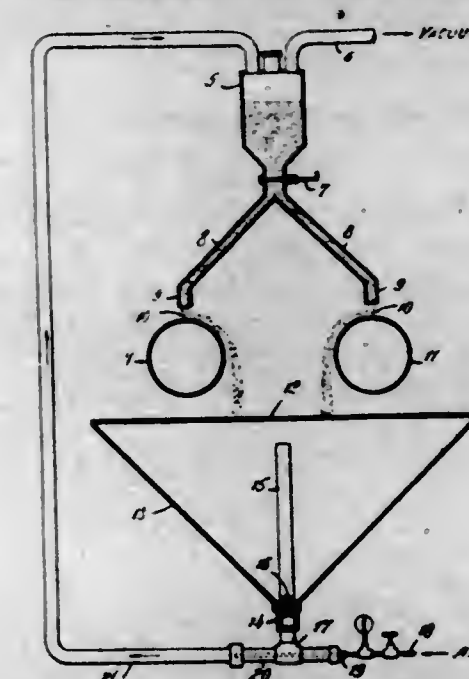


spring brake means freely rotates when said electro-magnetic means is deenergized, yoke means pivotally mounted on said sleeve and adapted to rotate therewith, and means to limit the rotation of said yoke, said yoke being adapted to pivot when so limited to release said restraining means.

2,434,481

SUBMERGED MELT WELDING

Rea V. Anderson, Los Angeles, Calif., assignor to Rheem Manufacturing Company, Richmond, Calif.
Application December 19, 1945, Serial No. 635,874
8 Claims. (Cl. 219-8)



1. Apparatus for supplying flux to a submerged melt welding zone which comprises storage means for granular flux, delivery means for supplying said flux to the welding zone, separating means adapted to collect unused granular flux and slag produced in the welding zone and to separate said unused flux from the slag, and means for returning said unused flux to the storage means.

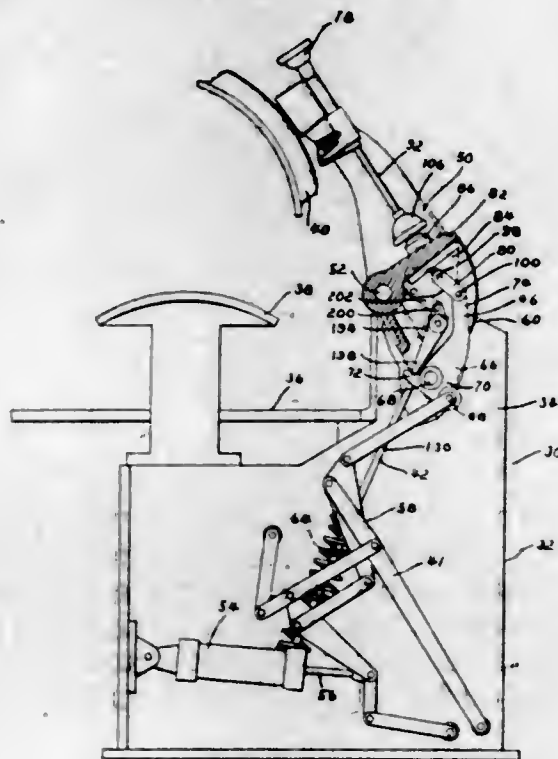
2,434,482

ADJUSTABLE ACTUATING MEANS FOR GARMENT PRESSING MACHINES

Herbert G. Beede, Pawtucket, R. I., assignor, by mesne assignments, to Pantex Manufacturing Corporation, a corporation of Delaware
Application July 31, 1941, Serial No. 404,870
6 Claims. (Cl. 38-36)

6. In a garment pressing machine, relatively movable pressing members, actuating means

operatively connected to one of said members for moving said member into pressing juxtaposition with said other member, adjusting means including a pivotable portion on said movable member for shifting the point of connection of said actuating means to said movable member to adjust the final pressing space between said pressing members said pivotal portion being connected to

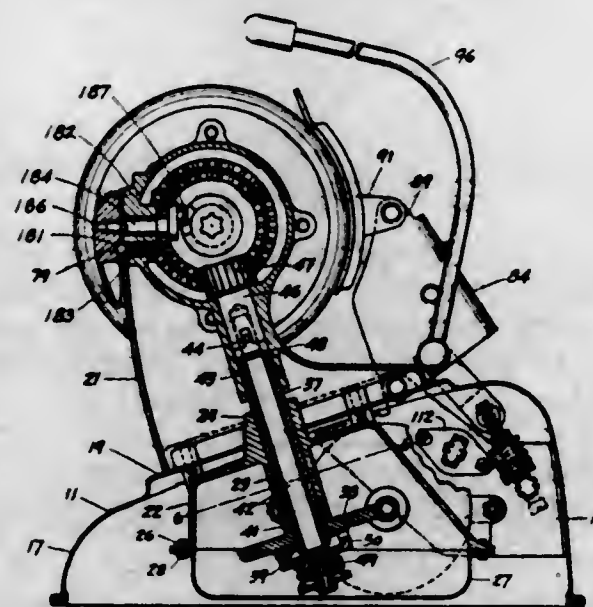


said actuating means on one side of its pivot and spring means connected to a point on said garment pressing machine and to said pivotal portion of said adjusting means on the opposite side of its pivot to move said movable member away from pressing juxtaposition with said other member and to continuously function to take up any backlash in said adjusting means.

2,434,483

PORTABLE IRONING DEVICE

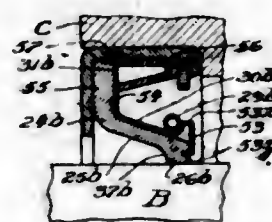
Allan L. Briggs, Jamestown, N. Y., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y., a corporation of New York
Application June 28, 1944, Serial No. 542,542
11 Claims. (Cl. 38—60)



1. In an ironer, a base having a top wall downwardly inclined in the direction of an operator of the ironer, a drive casing extending substantially perpendicular to and being located at one end of said top wall, a rotatable roll carried by said casing, said casing serving to position said roll over the forward edge of said base whereby to facilitate its use.

2,434,484
OIL SEAL

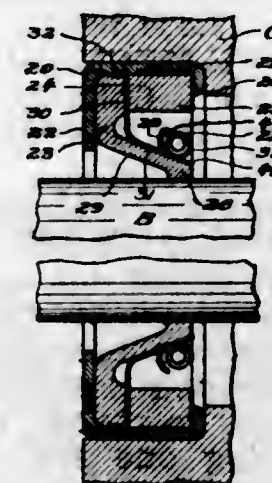
Albert M. Chambers, Jr., Pittsford, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application February 9, 1945, Serial No. 577,113
8 Claims. (Cl. 288—3)



1. A device for sealing an annular space between a substantially fixed machine element and a rotatable shaft extending into an opening in said element, said device comprising a sealing ring having a mounting portion adapted for disposition in sealing relation to said machine element, and an axially extending sleeve-like sealing flange having a sealing surface adapted to effect a running seal with the said shaft, the said flange being capable of substantial pivotal movement to an extreme position in which it tapers at a substantial angle with respect to said ring's axis; a circular pressure member supported by said flange at the side thereof remote from said sealing surface and adapted to urge said flange into such running seal relationship, the force in said pressure member, exerted radially upon said flange when the latter is in such a tapering position, tending to move the said pressure member axially to disassociate it from said flange; and a pivotal pressure member restraining element of substantially hard, bendable material, having a first portion extending immediately between and in contact with said pressure member and said flange at a first circumferential line of contact with said pressure member, and a second portion, in contact with said pressure member at the side thereof nearest the free edge of said flange at a second circumferential line of contact removed from said first contact line, the said second portion of said restraining element constituting an abutment preventing material axial shifting of said pressure member from such contact at said first contact line irrespective of the angular position of the said flange or any circumferential portion thereof.

2,434,485
OIL SEAL

Albert M. Chambers, Jr., Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application June 19, 1945, Serial No. 600,273
9 Claims. (Cl. 288—3)



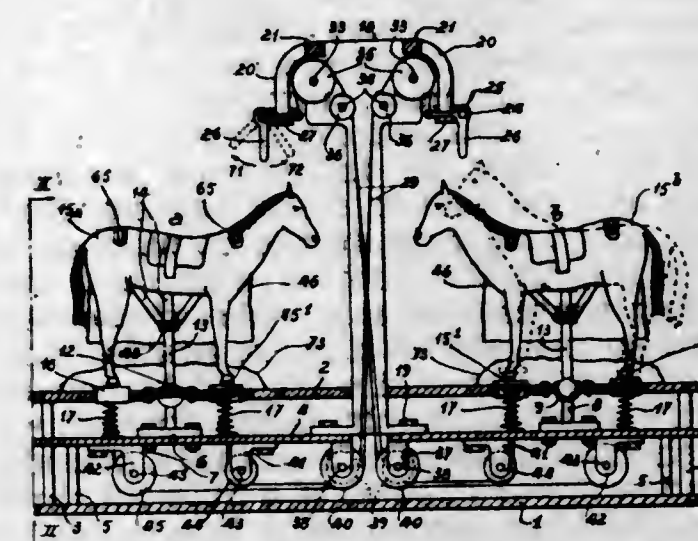
1. A device adapted to seal an annular space between two relatively movable machine elements, comprising an annular sealing element adapted for disposition in said space and having a first

sealing portion adapted for disposition in sealing relation to a first of the machine elements, and a flexible sealing flange having a sealing lip adapted to engage a second of said machine elements in sealing relation thereto; a garter spring supported by said flange in a predetermined position relatively thereto and adapted to urge said sealing lip into such sealing relation to the second machine element, but tending, in some positions to which said sealing flange may flex, to shift from said predetermined position; and a separate spring retainer for substantially preventing such shifting, said spring retainer being restrained against material axial movement relatively to said sealing flange, and having pivotal fingers disposed adjacent the said garter spring and adapted to pivot with the flexing of said sealing flange, a plurality of said fingers having prongs bent to extend to positions at the side of the garter spring nearest the free edge of the sealing flange substantially to prevent such shifting of the said spring toward said free edge, and a plurality of said fingers having prongs bent to extend to positions at the side of the garter spring farthest from the free edge of the sealing flange substantially to prevent such shifting of the said spring away from said free edge.

2,434,486

ROUNDAABOUT

Edouard Georges Chatelas, Nice, France, assignor of one-half to Jean Moreau, Nice, France
Application March 13, 1946, Serial No. 654,096
In France June 30, 1945
9 Claims. (Cl. 272—43)



1. In a roundabout a pair of horses each adapted to carry a rider; means to support said horses while permitting same to oscillate; and means adapted to be actuated by the rider of one of said horses to cause oscillation of the other horse.

2,434,487

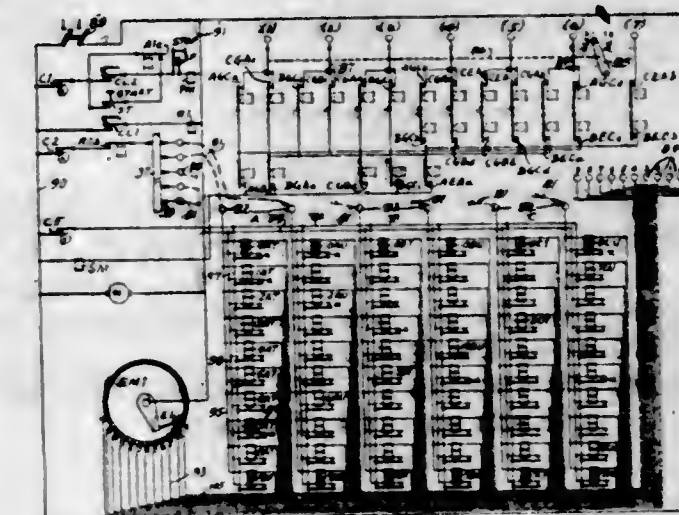
RECORD CONTROLLED ADDING AND COMPARING MACHINE

Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 13, 1941, Serial No. 410,716
6 Claims. (Cl. 235—61.7)

1. A machine comprising a plurality of electrical result value forming sections, each having a circuit network of result forming and manifesting circuits including contacts settable to represent a constituent value and other contacts settable to represent another constituent value and cooperating with the first-named contacts in selecting a circuit for closure according to a re-

sult value combining the constituent values, differentially timed circuit closing means to close the selected circuits at differential times for forming and manifesting result values combining the constituent values represented in the plurality of sections, and comparing means for comparing the result values for relative magnitude and including relays operated under control of the circuits at their differential times of closure and effecting comparing operations determined by the differential closure times.

3. A record handling machine comprising means to sense a record for value designations,

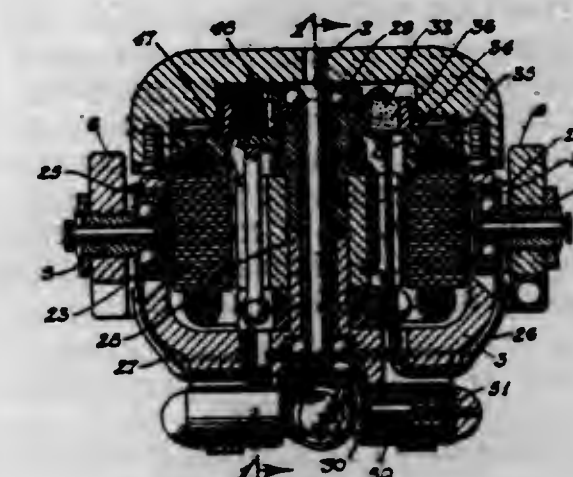


three value manifesting means, means under control of the sensing means according to sensed value designations for controlling each manifesting means to manifest a value, means controlled by the manifesting means to ascertain the magnitude of each of the three values with respect to each of the other two values and including elements selectively conditioned according to the value pair comparison determinations, and means controlled by said elements according to their selective conditioning for ascertaining from the value pair comparison determinations the magnitude relationship of all three values.

2,434,488

ERECTING DEVICE FOR GYROSCOPES

Roman J. Dolude, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York
Application January 8, 1945, Serial No. 571,811
1 Claim. (Cl. 74—5)



A gyroscope comprising a rotor bearing frame supporting a rotor for rotation about an axis which is normally approximately vertical, gimbal means for supporting said frame to permit rotation thereof about horizontal gimbal axes, two pairs of coaxial solenoids mounted on said frame in substantially a horizontal plane with the axis of one pair at right angles to the axis of the other, each solenoid having a plunger movable toward

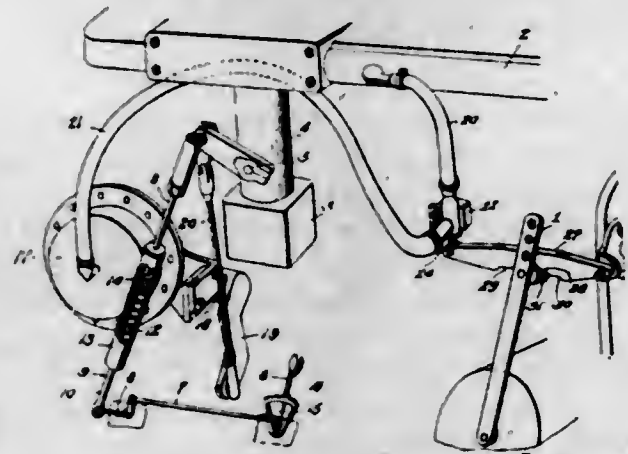
and away from the gyroscope spin axis, a pair of pendulums pivotally mounted on said frame for rotation about axes parallel to the axes of said two pairs of solenoids, circuit means for supplying electrical power to said solenoids including switching means actuated by said pendulums for individually controlling the power supplied to each of said solenoids, the connections being such that each pendulum selectively controls each one of the pair of solenoids the axis of which is parallel to the rotation axis of the pendulum to provide gravity-responsive control of gyroscope balance in each of four horizontal directions, and spring means associated with the solenoids to bias the solenoid plungers to a position of gyroscope balance in the event of failure of the electrical power supply.

2,434,489

DUAL THROTTLE CONTROL FOR INTERNAL-COMBUSTION ENGINE POWER PLANTS

Joseph J. Dugas, New Orleans, La., assignor to Higgins Industries, Inc., New Orleans, La., a corporation of Louisiana

Application November 3, 1944, Serial No. 561,808
4 Claims. (Cl. 192—.01)



1. In an internal combustion engine power plant including a throttle valve for the engine and a lever for controlling the load carried by the engine, dual controls for said throttle valve, one control comprising a manual throttle lever, the other control comprising said load controlling lever and a vacuum motor, independent connections respectively from said manual throttle lever and motor to said throttle valve, said motor communicating with a source of vacuum created by the operation of said engine, through the intermediary of a valve, and means actuated by said load controlling lever as it approaches load releasing position for opening said last named valve to cause said motor to move said throttle valve to a determined low speed position, a member of the connection from said manual throttle lever to said throttle valve being constructed to act as a rigid member under throttle valve moving force transmitted by said manual throttle lever but yieldable under the throttle valve closing force transmitted by said vacuum motor.

2,434,490

RUST PREVENTIVE LUBRICATING OIL COMPOSITIONS

Gordon W. Duncan, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1944, Serial No. 570,787

4 Claims. (Cl. 252—56)

1. A slushing composition consisting essentially of a material selected from the class which consists of petroleum lubricating oils and petrolatum and 0.5 to 10% by weight of a fatty acid

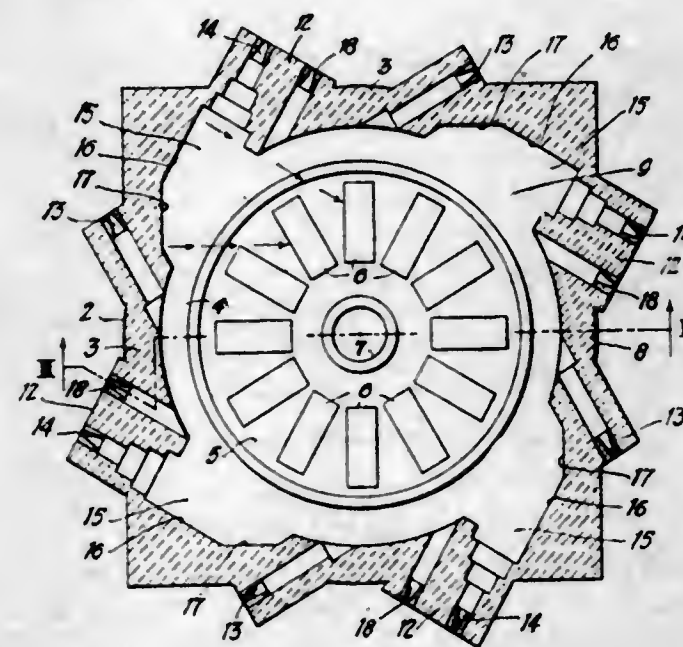
monoester of sorbitan, the fatty acid radical of said ester having between 8 and 30 carbon atoms, the quantity of said ester being sufficient to impart rust preventing properties to said petroleum composition.

2,434,491

METHOD OF FIRING METALLURGICAL FURNACES

Harold G. Elder, Chicago, and John F. Mowat, La Grange, Ill.

Application October 6, 1942, Serial No. 460,994
3 Claims. (Cl. 263—52)



3. In a furnace of the circular pit type for heating ingots and the like, the method of operating the same which comprises arranging the articles to be heated substantially in a circle on the hearth in the heating chamber, supplying heat into the furnace and to the articles therein from points outside the circle by introducing a group of streams of fluid fuel into the heating chamber substantially tangential to the circular arrangement of the articles therein with said streams impinging against the side walls of the heating chamber so that the articles are heated from the heat radiated from said walls and by convection from said streams, supplying the streams with a relatively high temperature air draft, introducing a second group of streams of a fluid fuel into the heating chamber substantially tangential to the circular arrangement of the articles therein to supply heat to the articles principally by convection, supplying the second group of streams with a relatively low temperature air draft, heating the furnace and the articles therein by means of substantially all of said streams so as to obtain the maximum rate of heat input until the same have been heated to a predetermined temperature, then gradually reducing the fuel input to the streams to which the low temperature air is supplied until the furnace and the articles therein have been heated to a second predetermined temperature at which point the fuel input of said low temperature air draft streams is reduced to a pilot flame of a volume only sufficient to maintain ignition, continuing to heat the furnace by means of at least some of the high temperature air draft streams so as to obtain the maximum rate of heat input therefrom until the furnace and articles have been heated to a predetermined maximum temperature, and maintaining the maximum temperature substantially constant until it is desired to withdraw the articles being heated from the furnace by regulating the fuel input to said high temperature air draft streams.

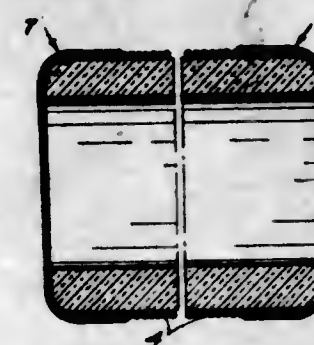
2,434,492

ELECTRIC COIL

Alvah O. Ericksberg, Springfield, and Joseph T. Osterman, Northampton, Mass., assignors to American Bosch Corporation, Springfield, Mass., a corporation of New York

Original application October 7, 1944, Serial No. 557,710. Divided and this application August 21, 1945, Serial No. 611,788

4 Claims. (Cl. 175—21)



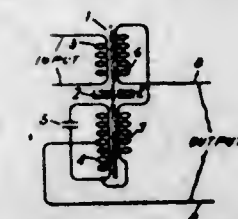
1. An electric coil comprising a heat-resistant, inorganic coil form, spaced conducting areas on said coil form, said conducting areas comprising an adherent metallic material, a winding of wire surrounding the coil form, said winding having bare end portions secured to said conducting areas and a coating of an adherent metallic material over said bare end portions to thereby form bonded terminals for said coil.

2,434,493

VOLTAGE STABILIZING TRANSFORMER

Leonard J. Gburski, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application February 17, 1945, Serial No. 578,413
6 Claims. (Cl. 171—777)



1. A compensated voltage stabilizing transformer comprising, in combination, a unitary magnetic transformer core having separate winding receiving sections which are separated by magnetic shunts, a primary winding on one section, a secondary winding on the other section, a capacitor coupled to said secondary winding and tuned to near resonance therewith for saturating the secondary receiving core section, and a pair of equal auxiliary windings mounted respectively on said core sections, said auxiliary windings being connected in series with each other and in series with said secondary winding, the relative polarity of said auxiliary windings being such that the voltages induced in them by the leakage flux of said primary and secondary windings are additive.

2,434,494

GRID STRUCTURE IN ELECTRON DISCHARGE DEVICES

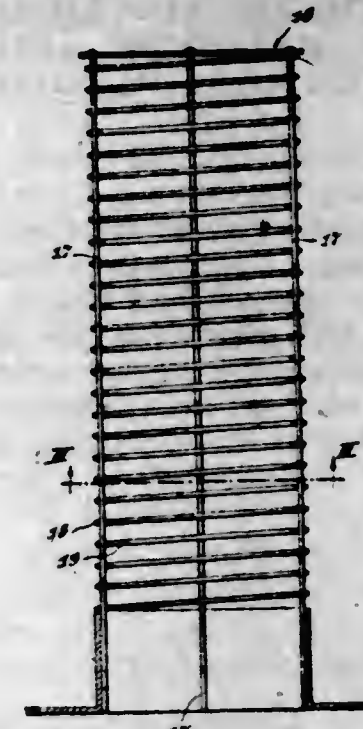
Anson J. Gerner, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 14, 1945, Serial No. 610,776
2 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising coaxial cathode, grid and anode, said grid having a plurality of stays parallel to the axis and grouped in a circular sequence, said grid having inner and outer convolutions attached to said

606 O. G.—21

stays at opposite ends of diameters of said stays and thereby offering a continuation of free path



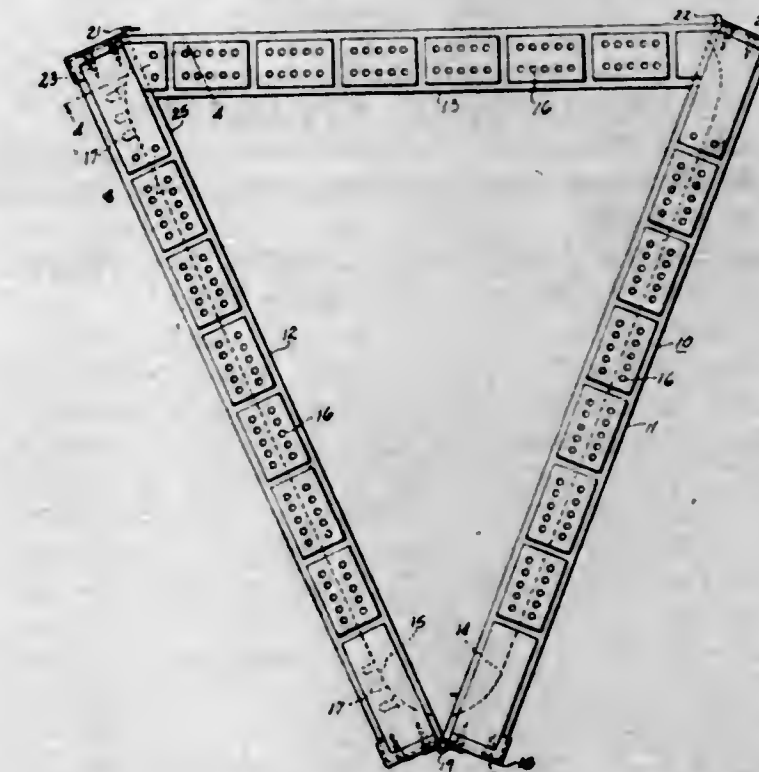
for electrons through the outer convolutions as through the inner convolutions.

2,434,495

CRIBBAGE BOARD

Rollin C. Holton, Canton, Ohio

Application September 1, 1944, Serial No. 552,332
4 Claims. (Cl. 235—90)



1. A folding game board comprising a first scoring section, a second scoring section, and a third scoring section, each of said scoring sections having a first and second end, said first and second sections each having a recess provided in one longitudinal side thereof, said first and second sections being pivotally joined together at their respective first ends with their respective recesses disposed toward one another whereby a closed chamber may be produced by pivoting the said sections into contact with one another, said third section being provided with suitable dimensions to permit the third section to reside within said chamber when the game board is folded, said third section having suitable engaging surfaces at its ends to permit attaching the first end of the third section to the second end of the first section and the second end of the third section to the second end of the second section, said folding game board being triangular in form when unfolded with said second section forming a bridge between the second ends of the first and second sections.

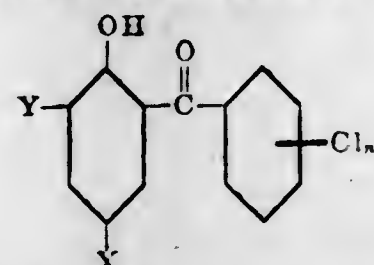
2,434,496

LIGHT STABLE COMPOSITIONS COMPRISING POLYMERIC VINYLIDENE CHLORIDE OR VINYL CHLORIDE AND CERTAIN 5-SUBSTITUTED 2-HYDROXYBENZOPHENONES

Thomas Houtman, Jr., Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 2, 1945, Serial No. 580,713

7 Claims. (Cl. 260-86)

1. A composition of matter comprising a polymer in which at least one polymerized ingredient present in amount over 10 per cent is selected from the class consisting of vinylidene chloride and vinyl chloride, and from 0.5 to 10 per cent of a compound having the general formula



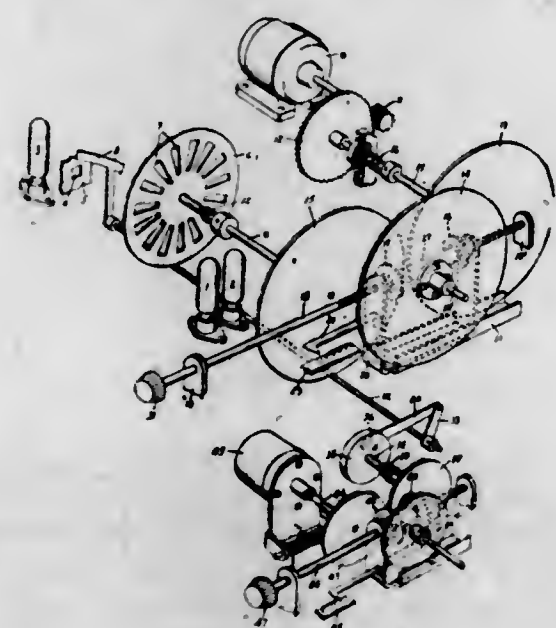
wherein X is a member of the class consisting of methyl and ethyl radicals and chlorine, Y is a member of the class consisting of chlorine and hydrogen, and n has a numerical value from 0 to 2, inclusive, to stabilize the polymer against the injurious effects of light.

2,434,497

THERAPEUTIC APPARATUS

William K. Kearsley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 18, 1945, Serial No. 600,168
10 Claims. (Cl. 128-421)

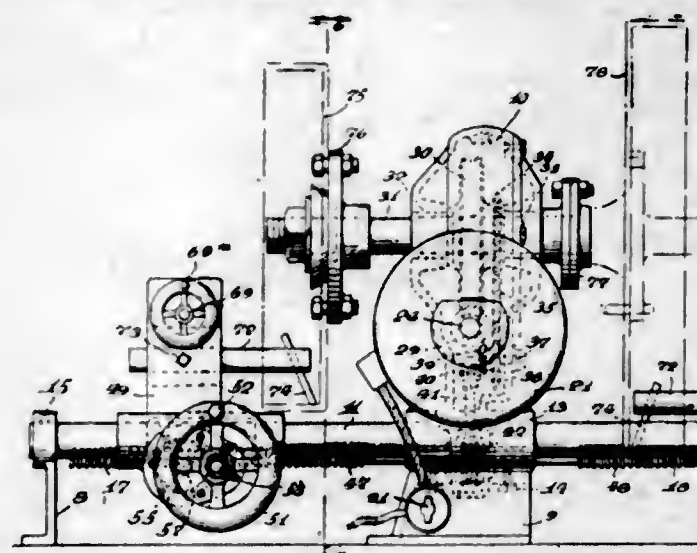


2. A therapy apparatus for furnishing electric currents at a desired therapeutic characteristic which comprises the combination of a source of unidirectional current, thermionic tubes for transmitting said energy, photoelectric means connected to control the operations of said thermionic tubes, a source of light positioned to transmit a beam of light to said photoelectric means, a rotatable opaque disk having a plurality of light-transmitting windows located in the path of said light beam whereby said beam may be subdivided, means for rotating said disk, means for steplessly and uninterruptedly varying the rate of rotation of said disk in order to vary the frequency of light subdivision, and means for independently modulating said light beam.

2,434,498

BRAKE DRUM TRUING MACHINE

George E. Klassett, Atlanta, Ga.
Application May 3, 1944, Serial No. 533,987
2 Claims. (Cl. 77-3)

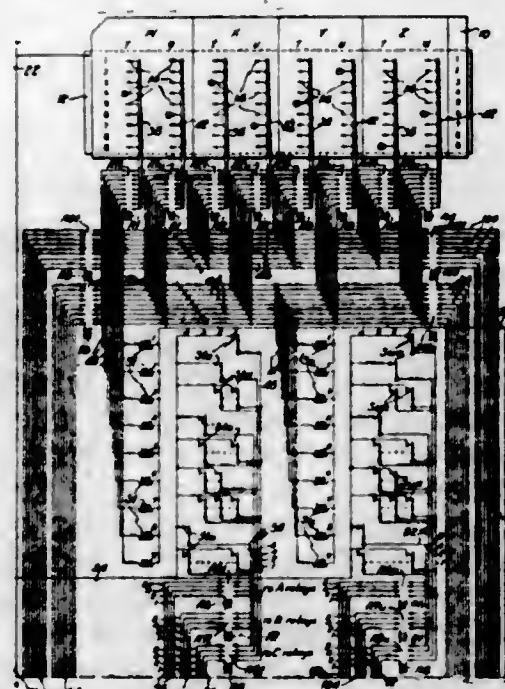


1. A brake drum truing machine comprising a substantially horizontally disposed rotatable shaft, means for supporting and rotating it, means for detachably securing a brake drum and axle to said shaft, means for rotatably supporting said axle, a tool for operating on the drum as it is revolved by the shaft, and means for automatically moving the tool parallel to the axis of the shaft while it is operating on the drum.

2,434,499

RELAY COMPUTING MECHANISM

William Lang, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 10, 1944, Serial No. 562,755
5 Claims. (Cl. 235-61)

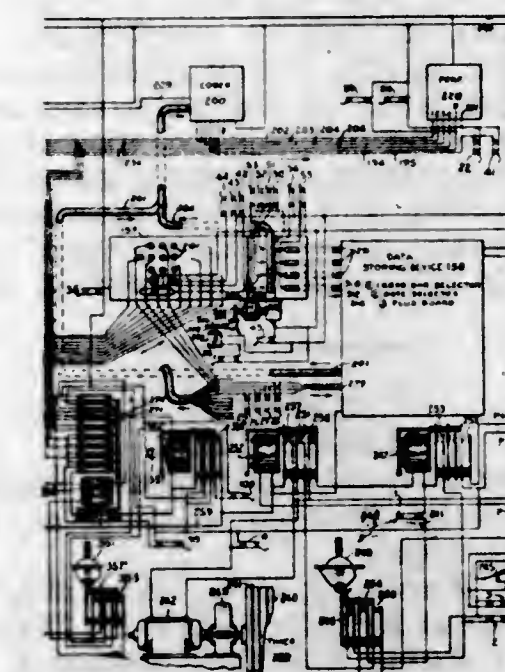
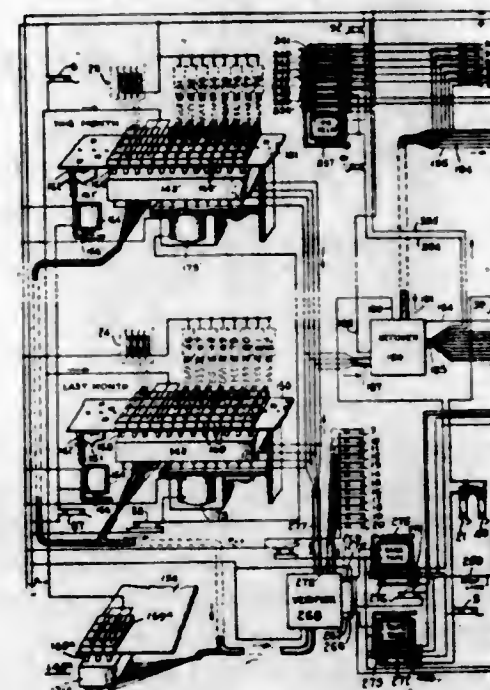


5. In an electrical computing apparatus, a first and second set of relay contacts, a first set of adding circuit connections controlled thereby, a third set of relay contacts, a second set of adding circuit connections controlled by said first and third sets of relay contacts, means controlled through the first set of adding circuit connections for setting the relay contacts of the third set, means controlled through the second set of adding circuit connections for setting the relay contacts of the second set, means for repeatedly and selectively setting the relay contacts of the first set, sequencing means for rendering the first and second adding circuit connections alternately effective after alternate settings of the first set of contacts, and means for clearing each set of relay contacts subsequent to the control thereby of another set.

2,434,500

ACCOUNTING MACHINE

Ward Leathers, Brooklyn, and Jerrier Haddad, Ithaca, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 14, 1945, Serial No. 599,420
4 Claims. (Cl. 235-61.8)



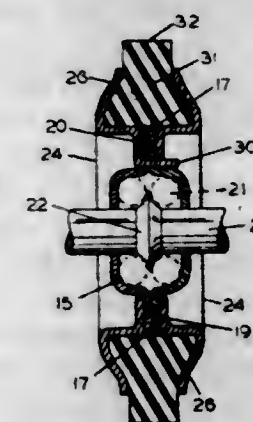
1. In a cyclically operable public utility accounting machine for perforating a billing data record according to perforated data appearing on two primary records by the direct reproduction of certain data appearing on the primary record and by the selection of precomputed values under the control of other data by said primary records and the perforating thereof on the billing data record, a sensing device for each primary record, a perforating device for the billing data record, a plurality of data storing devices each having means for storing data computed according to a predetermined schedule, said devices being arranged for cross selection in groups and individually, a computing mechanism common to the sensing devices, timer control means for controlling the operation of said sensing devices, perforating device, and computing mechanism, means operable under the control of said timer control means for selecting a group of data storing devices according to the sensing of certain data on the primary records and for simultaneously actuating the perforating device for direct repro-

duction of such perforated data on the billing data record, means operable under the control of said timer control means for actuating the computing mechanism according to the sensing of other data on one primary record and subsequently according to the sensing of other data on the other primary record, means operable under the joint control of said timer control means and computing mechanism for selecting an individual data storing device within the previously selected group of such devices, and means operable under the control of said timer control means for actuating the perforating device according to the selected data to perforate the same on the billing data record.

2,434,501

WHEEL CONSTRUCTION

Ervin O. Lonze, Chicago, Ill., assignor to Era Tool and Engineering Company, Chicago, Ill., a corporation
Application January 8, 1946, Serial No. 639,818
2 Claims. (Cl. 301-5.7)



1. A device of the character described, in combination with a shaft having a ball race to accommodate ball bearings, said device comprising a pair of hollow ball cups provided with outwardly extending flanges equipped with inwardly extending slots, a pair of annular plates, said plates provided with cones and outwardly extending flanges, said ball cups provided with centrally disposed apertures for engagement with said shaft, said plates provided with centrally disposed apertures for engagement with the outer periphery of said ball cups, the cones of said plates having slots extending from the apertures in said cones, said plates further provided with outwardly extending keys, said keys registering with and engaging said slots in said ball cups and the slots in said plates, and of a length sufficient to enable the outwardly depending ends of said keys to be spread apart for locking said ball cups within the cones of said plates, and a resilient annular ring member placed between the flanges of said plates, said ring member of a diameter greater than the outer diameter of said plates.

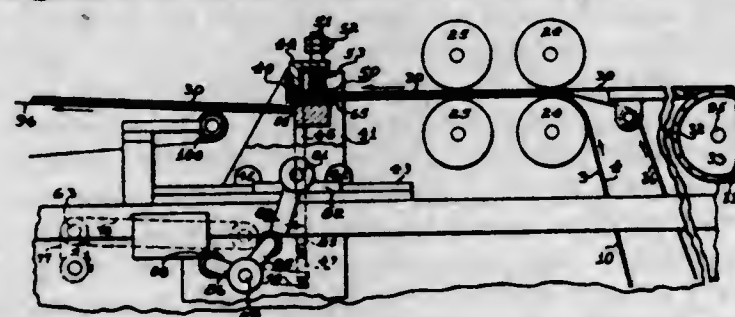
2,434,502

BOOK AND THE PRODUCTION THEREOF

Kenneth Payne Martin, Lancaster, and Walter Paul Rowland, Clinton, Mass., assignors to The Colonial Press, Inc., Clinton, Mass., a corporation of Massachusetts
Application May 4, 1945, Serial No. 591,860
15 Claims. (Cl. 11-1)

1. The method of making a book cover comprising the steps of progressively moving forward two strips of paper which are folded medially to form end sheets and guiding them so that their folded edges are adjacent to each other but spaced by approximately the thickness of a book to be covered, guiding a reinforcing super strip into position between the spaced strips and pro-

gressively gluing one flap of each folded strip to a series of covers fed forward in sequence with

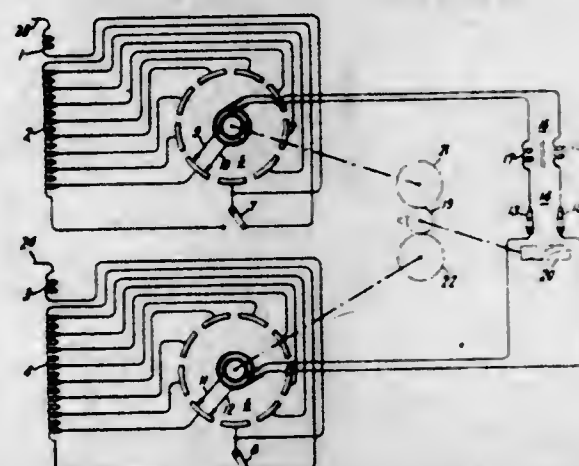


the edges of the super secured in position beneath the folded edges of the end sheets.

2,434,503

TAP CHANGING SYSTEM

Orin P. McCarty, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 27, 1945, Serial No. 590,696
11 Claims. (Cl. 323-55)



5. Electric induction apparatus comprising, a pair of multi-tapped windings on a common core, a first pair of contacts for selectively making connection with the taps of one of said windings, a second pair of contacts for selectively making connection with the taps of the other of said windings, a split reactor, a pair of arcing duty contactors, means including one half of said reactor and one of said contactors in series for interconnecting one contact of each of said pairs of contacts, and means including the other half of said reactor and the other of said contactors in series for interconnecting the remaining two of said contacts.

2,434,504

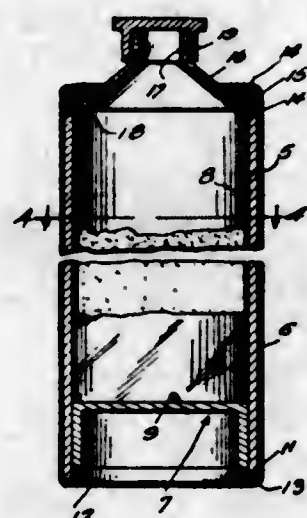
TRIM ELEMENT FOR CLOSURE FRAMES

Oliver B. Merrill, Amesbury, Mass.
Application October 24, 1946, Serial No. 705,393
8 Claims. (Cl. 296-44.5)



5. A core for a trim element which is mounted on a closure frame and adapted to cooperate with a portion of the closure for the frame, which core comprises an elongated strip of substantial width lying substantially in a plane but capable of being bent curvilinearly in that plane, the strip being formed of sheet material and comprising a continuous portion along one side from which projects a series of independent spaced tongues having terminal portions which are bent to extend across the spaces between adjacent tongues and telescopically engaged one with another to provide an effectively continuous but longitudinally compressible edge portion for the strip.

2,434,505
NONMETALLIC PASTE OR SIMILAR TUBE
Herbert L. Miller, Portland, Oreg.
Application May 29, 1945, Serial No. 596,437
2 Claims. (Cl. 222-105)

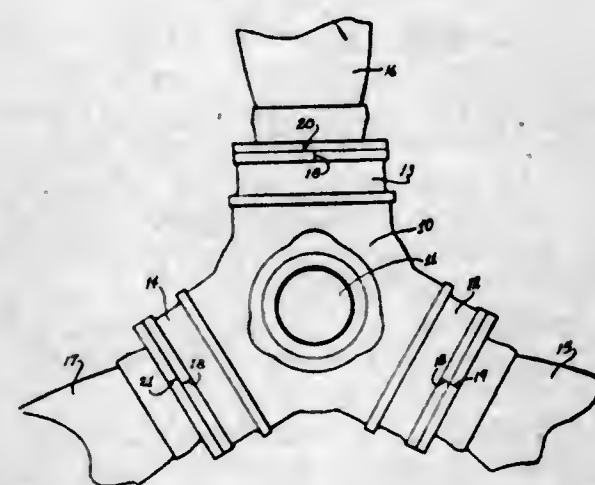


1. A dispensing type container of the class described comprising an open ended inner rigid cylinder, a collapsible paste containing sack mounted in said cylinder, an inverted cup-like follower slidably mounted in the lower portion of the cylinder and engageable with the adjacent bottom of the sack, a second cylinder surrounding and wholly enclosing the first cylinder and having its lower end folded and inwardly bent into the first cylinder to provide an annular shoulder holding said follower in assembled operating position, a closure comprising a neck-equipped shell having a marginal flange, the respective upper ends of the sack and outer second cylinder being inter-collared with one another into an annular seam, the latter constituting an intumed shoulder, and said last mentioned shoulder overlapping and retaining said marginal flange to hold said shell in completely assembled position.

2,434,506

PROPELLER

Harry Lawley Milner, Cheltenham, England, assignor to Rotol Limited, Gloucester, England, a British company
Application March 25, 1944, Serial No. 528,131
In Great Britain March 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 19, 1963
1 Claim. (Cl. 170-159)



An airscrew comprising blades each assessed as to its aerodynamic qualities by the steps of (a) measuring by a convenient empirical method the direction relatively to a fixed datum of the zero-lift line of the section of a master blade at a number of stations along the blade, (b) measuring by the same empirical method any differences in direction of the corresponding lines of the blade

being assessed, (c) determining the torque force produced by such differences, and (d) calculating the departure from the zero-lift setting of the master blade which would produce an equal torque force, and a hub to which said blades are assembled and adjusted to different pitch angles such as will compensate for said differences in torque force.

2,434,507

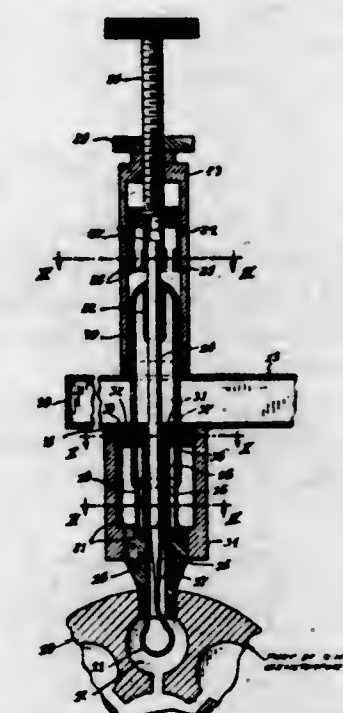
2-CHLORO-3-IMINOBTYRONITRILE AND PROCESS

Jerome L. Mostek, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 10, 1945, Serial No. 621,607
3 Claims. (Cl. 260-464)
1. 2-chloro-3-iminobutyronitrile.

2,434,508

COUPLING DEVICE

Ernest C. Okress, Montclair, N. J., and Polykarp Kusch, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 2, 1942, Serial No. 457,024
14 Claims. (Cl. 178-44)



1. A coupler device comprising a hollow mounting thimble, a sleeve projecting axially from said thimble, an envelope sealed to said sleeve, a central coaxial rod within said sleeve and envelope, and a conductive tube within said sleeve and envelope secured at one end to said thimble and projecting through and beyond said sleeve a distance more than a quarter wave-length of the wave energy promulgated therethrough.

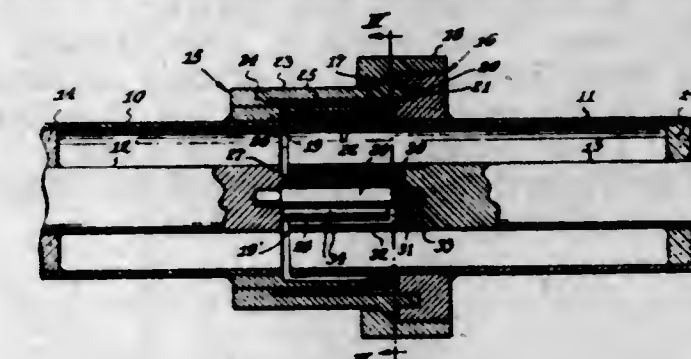
2,434,509

ULTRA HIGH FREQUENCY CONDUCTOR

Ernest C. Okress, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1943, Serial No. 491,453
6 Claims. (Cl. 178-44)

1. An ultra high frequency conductor coupling comprising a pair of aligned conductor sections, a stem interposed between end parts of said conductors, one of said conductors having a collar girdling said stem and spaced radially outward therefrom for providing a cavity within said sec-

tion around said stem, and said stem projecting beyond the said collar and spacing the end of



said collar from the opposed end of the other section.

2,434,510

CONDENSATION OF OLEFINIC COMPOUNDS WITH HYDROGEN SULPHIDE

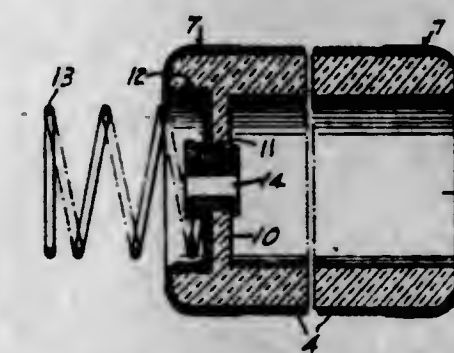
John F. Olin, Grosse Ile, and John L. Eaton, Trenton, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
Application January 20, 1943, Serial No. 472,946
8 Claims. (Cl. 260-609)

1. In the manufacture of tertiary dodecyl mercaptan, the process comprising condensing triisobutylene with hydrogen sulfide by contacting the triisobutylene with a stoichiometric excess of hydrogen sulfide in the presence of an inorganic halide catalyst for the polymerization and depolymerization of olefins chosen from the class consisting of hydrogen fluoride, boron fluoride, aluminum chloride, beryllium chloride, zinc chloride, boron chloride, phosphorus pentafluoride, arsenic trifluoride, stannic chloride, titanium tetrachloride and antimony pentafluoride, the reaction temperature being maintained below 0° C., and the halide catalyst from the above-named class being the principal and essential catalytic constituent of the reaction mixture.

2,434,511

METHOD OF MAKING ELECTRIC COILS

Joseph T. Osterman, Northampton, and Alvah O. Ericksberg, Springfield, Mass., assignors to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application October 7, 1944, Serial No. 557,710
9 Claims. (Cl. 29-155.57)

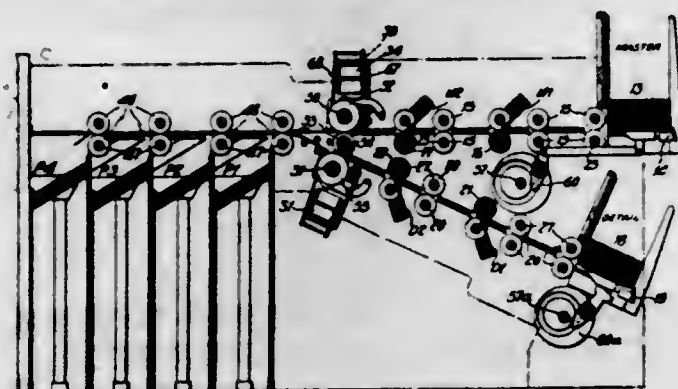


1. The method of making an electric coil having terminals and a heat-resistant inorganic coil form, which consists in spreading an adherent metallic material on separated areas on the coil form, heating the metallic material to a temperature at which it is baked on the coil form to produce conducting areas thereon, winding wire on the coil form over the conducting areas and the portion therebetween, covering at least a part of the surface of the bare end turns of the winding with a coating of an adherent metallic material, and baking the metallic material on the end turns while in contact with the conducting areas to thereby bond the metallic materials into coil terminals rigidly fastening the winding to the coil form.

2,434,512

RECORD CONTROLLED DISTRIBUTING AND ACCOUNTING MACHINE

Ralph E. Page, West Orange, and Horace S. Beattie, East Orange, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 31, 1943, Serial No. 516,572
11 Claims. (Cl. 235—61.7)

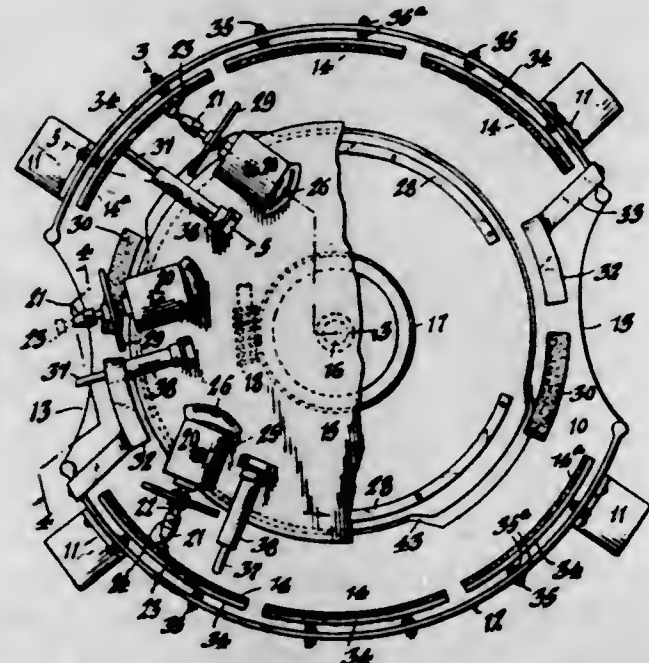


9. In a machine of the class described, means to feed a file of master records, means to feed a file of detail records, both files being arranged in a classification order, both files containing records of corresponding designations and each file also containing records for which there is no corresponding record in the other file, record comparing means for detecting the relative magnitude relationship between records in the two files and separate record comparing means for detecting changes of classification in one of the files, sensing devices for both files of records, an entry receiving device, and means controlled by both said comparing means for causing the sensing devices to enter data into said entry receiving device from only those records of both files for which there are corresponding records in the two files.

2,434,513

BUFFING AND POLISHING MACHINE

Charles R. Palmer, Buffalo, N. Y.
Application March 22, 1945, Serial No. 584,122
7 Claims. (Cl. 51—154)



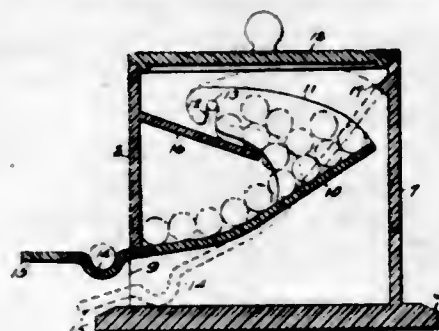
1. A machine of the character described, comprising a frame including a substantially circular base plate having means thereon for supporting a plurality of circumferentially-disposed stationary buffing and polishing elements, a table rotatably supported on said frame, below the plane of said elements, a plurality of horizontally-disposed spindle assemblies mounted on said table with their spindles in end-wise relation to and for detachably supporting the articles to be treated for operative engagement with said buffing and polishing elements, means for con-

tinuously rotating said table, and means for intermittently transmitting motion to said spindle assemblies when they are in registering relation with said buffing and polishing elements.

2,434,514

CIGARETTE CONTAINER FOR HOUSEHOLD USE

George R. Penn, Danville, Va.
Application December 12, 1946, Serial No. 715,787
2 Claims. (Cl. 312—83)

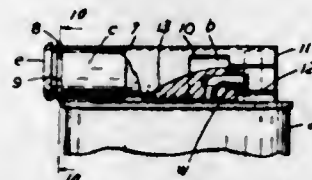


1. In a cigarette container, a body portion having a discharge opening, a tray including wide forwardly extended members formed integral therewith at the inner end of the tray, said members having notches extending inwardly from the lower edges thereof, pivot pins extending inwardly from the side walls of the container and adapted to move into the notches pivotally supporting the tray within the container, the forward end of the tray extending through the discharge opening, and said tray adapted to support cigarettes for movement by gravity through the discharge opening.

2,434,515

POCKET LIGHTER

Alwin Edgar Perkins, Kilburn, London, England, assignor of one-half to John Lemon Burton, London, England
Application July 18, 1944, Serial No. 545,441
In Great Britain September 9, 1943
4 Claims. (Cl. 67—7.1)



1. A pocket lighter of the type described, comprising a fuel container, a casing on the outside of the container, a slidably mounted and spring controlled plunger arranged lengthwise in the casing, a spindle within the casing, means between the plunger and spindle to rotate the latter when the plunger is operated, a friction wheel carried by and operated by the spindle, spark producing means engaged by the friction wheel to produce a spark, a fuel carrying wick to be lighted by the spark, and a slidable tube mounted on the casing and connected to the plunger and formed with an opening to expose the lighted end of the wick on appropriate movement of the plunger.

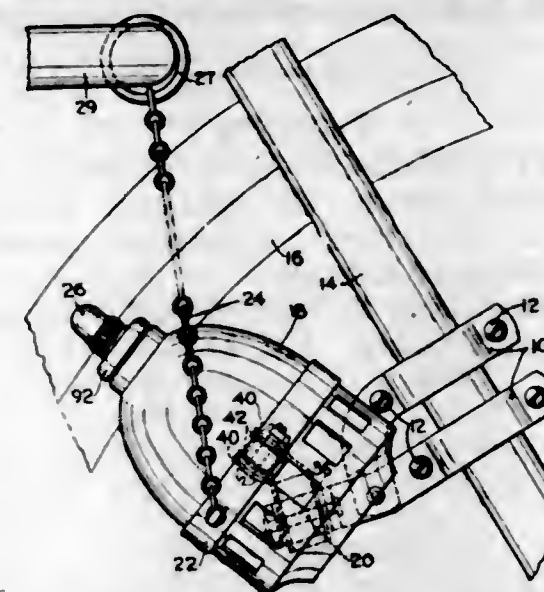
2,434,516

MECHANICAL SIREN

Charles A. Persons and Joseph G. S. Robinson, Worcester, Mass., assignors to Persons-Majestic Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application March 10, 1945, Serial No. 582,064
9 Claims. (Cl. 116—56)

1. An audible signalling device comprising a spindle, a sound generating mechanism at one

end thereof, a driver at the other end of the spindle, a tube about said spindle, a bearing at each end of said tube, a bearing supporting disc adjacent said mechanism, a casing for said mechanism, a cup shaped shell, said shell receiving in its large end said bearing supporting

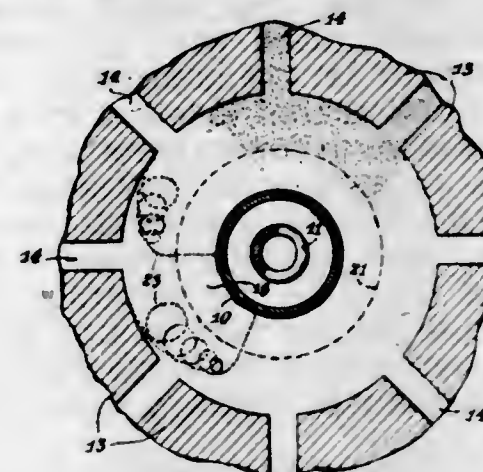


disc and the adjacent edge of said casing, a shoulder near the large end of said shell, a socket at the small end of said shell, said socket being adapted to receive one of said bearings, a clamping band about said shell adapted to receive the shoulder and said casing, and a bracket attached to said clamping band.

2,434,517

METHOD OF ACTIVATING CATHODES

Horst A. Poehler, Long Island City, N. Y., and Lester F. Keene, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1944, Serial No. 535,052
6 Claims. (Cl. 316—1)



1. The hereindescribed method of cathode activation, which comprises emitting electrons from the cathode and simultaneously subjecting region around the cathode to a magnetic field and with said field having greatest intensity remote from the cathode for increasing the electron path.

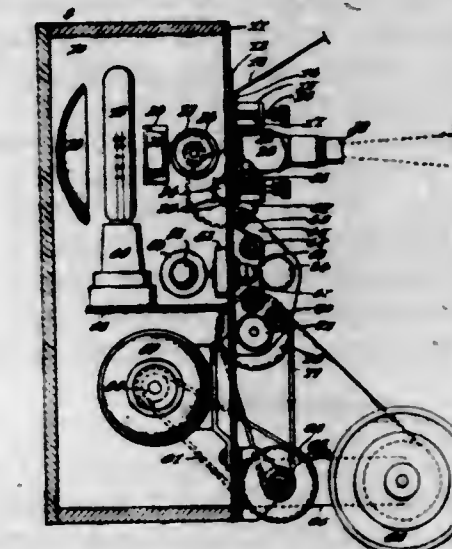
2,434,518

MOTION-PICTURE PROJECTOR

Myron H. Press, Woodside, N. Y.
Application June 23, 1944, Serial No. 541,789
3 Claims. (Cl. 88—16.8)

1. In a motion picture projector, in combination with a film transporting device comprising a drive wheel for frictionally engaging the film, a drive connected with said drive wheel for continuously driving the same, and a gate guiding said film and having a window formed therein, whereby the film is continuously pulled across said window; a sprocket engaging the film and rotated by the movement of the film, a rotary shutter having slots formed therein, said slots

being movable in alignment with said window in the course of rotation of said shutter, and a drive



operatively connecting said sprocket with said shutter to rotate said shutter in synchronism with said movement of the film.

2,434,519

HEAT EXCHANGE CONDUIT WITH A SPIRAL FIN HAVING A CAPILLARY GROOVE

Walter Raskin, New York, N. Y.
Application April 18, 1942, Serial No. 439,471
1 Claim. (Cl. 257—262)

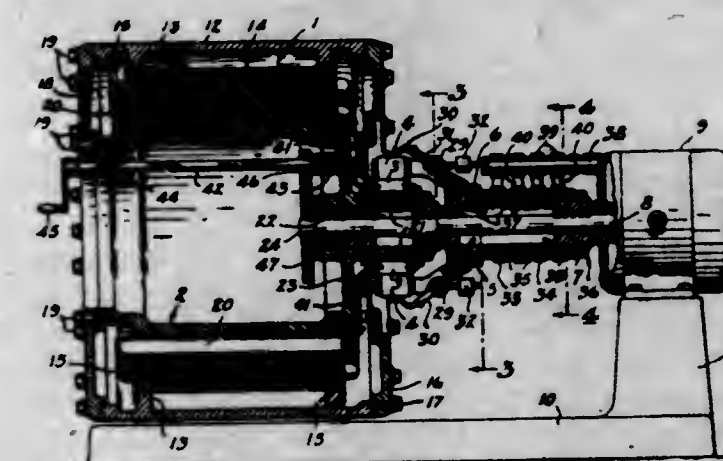


A heat exchange device comprising a tubular portion, a fin portion extending spirally about said tubular portion, said fin portion having a longitudinal slot opening along said conduit, whereby said fin portion will become part of the primary evaporator surface, the width of said slot being of such dimension that capillary attraction will cause the refrigerant to penetrate into said slot.

2,434,520

ROTARY BRUSH TYPE CONVERTER

Gustav A. Reinhard, Shaker Heights, Ohio
Application April 26, 1944, Serial No. 532,849
5 Claims. (Cl. 171—123)

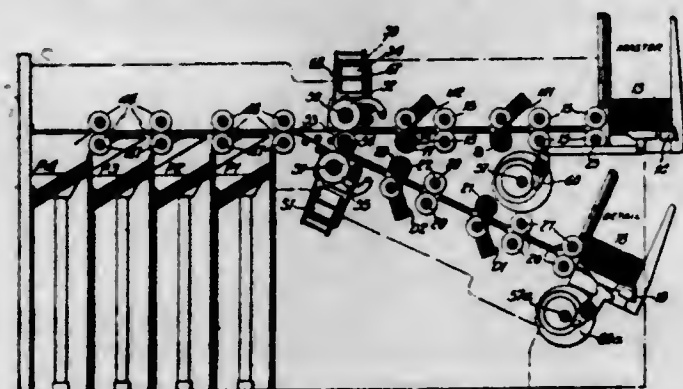


1. Apparatus of the class described comprising a stationary armature having windings, means providing a rotating field to induce current in

2,434,512

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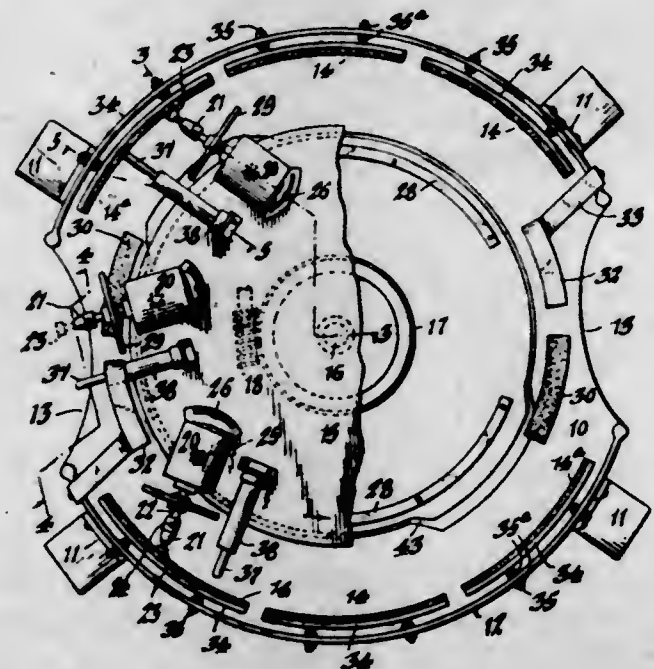


9. In a machine of the class described, means to feed a file of master records, means to feed a file of detail records, both files being arranged in a classification order, both files containing records of corresponding designations and each file also containing records for which there is no corresponding record in the other file, record comparing means for detecting the relative magnitude relationship between records in the two files and separate record comparing means for detecting changes of classification in one of the files, sensing devices for both files of records, an entry receiving device, and means controlled by both said comparing means for causing the sensing devices to enter data into said entry receiving device from only those records of both files for which there are corresponding records in the two files.

2,434,513

BUFFING AND POLISHING MACHINE

Charles R. Palmer, Buffalo, N. Y.
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7 Claims. (Cl. 51—154)



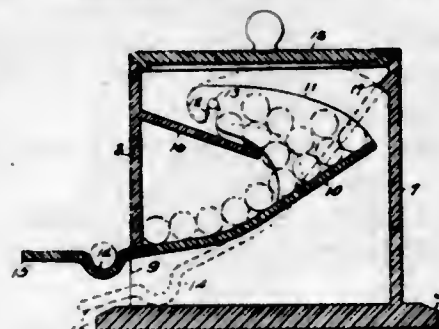
1. A machine of the character described, comprising a frame including a substantially circular base plate having means thereon for supporting a plurality of circumferentially-disposed stationary buffing and polishing elements, a table rotatably supported on said frame, below the plane of said elements, a plurality of horizontally-disposed spindle assemblies mounted on said table with their spindles in end-wise relation to and for detachably supporting the articles to be treated for operative engagement with said buffing and polishing elements, means for con-

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2,434,514

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2 Claims. (Cl. 312—83)



1. In a cigarette container, a body portion having a discharge opening, a tray including wide forwardly extended members formed integral therewith at the inner end of the tray, said members having notches extending inwardly from the lower edges thereof, pivot pins extending inwardly from the side walls of the container and adapted to move into the notches pivotally supporting the tray within the container, the forward end of the tray extending through the discharge opening, and said tray adapted to support cigarettes for movement by gravity through the discharge opening.

2,434,515

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In Great Britain September 9, 1943
4 Claims. (Cl. 67—7.1)



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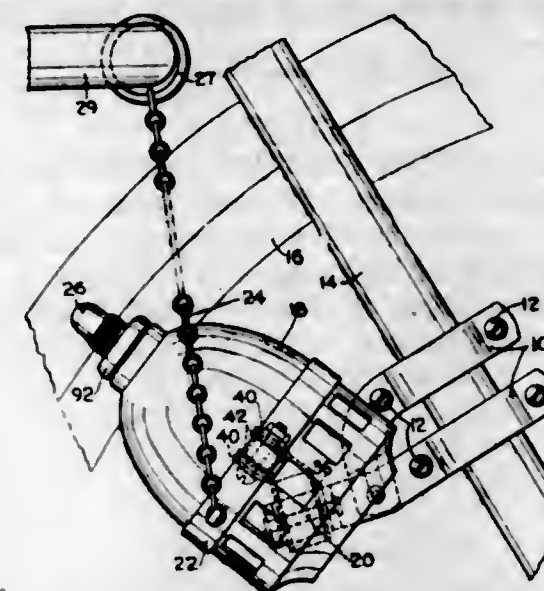
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MECHANICAL SIREN

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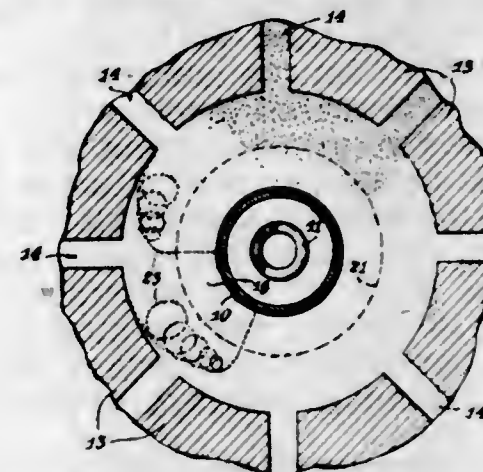


disc and the adjacent edge of said casing, a shoulder near the large end of said shell, a socket at the small end of said shell, said socket being adapted to receive one of said bearings, a clamping band about said shell adapted to receive the shoulder and said casing, and a bracket attached to said clamping band.

2,434,517

METHOD OF ACTIVATING CATHODES

Horst A. Poehler, Long Island City, N. Y., and Lester F. Keene, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
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6 Claims. (Cl. 316—1)



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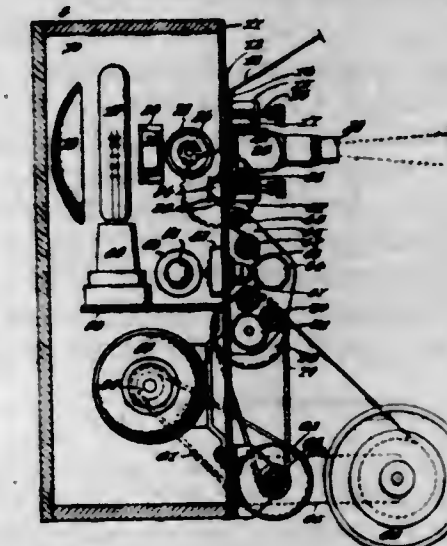
2,434,518

MOTION-PICTURE PROJECTOR

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being movable in alignment with said window in the course of rotation of said shutter, and a drive

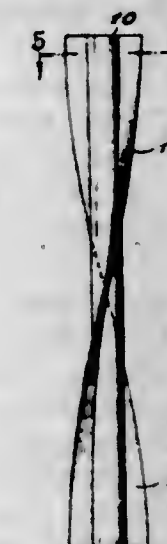


operatively connecting said sprocket with said shutter to rotate said shutter in synchronism with said movement of the film.

2,434,519

HEAT EXCHANGE CONDUIT WITH A SPIRAL FIN HAVING A CAPILLARY GROOVE

Walter Raskin, New York, N. Y.
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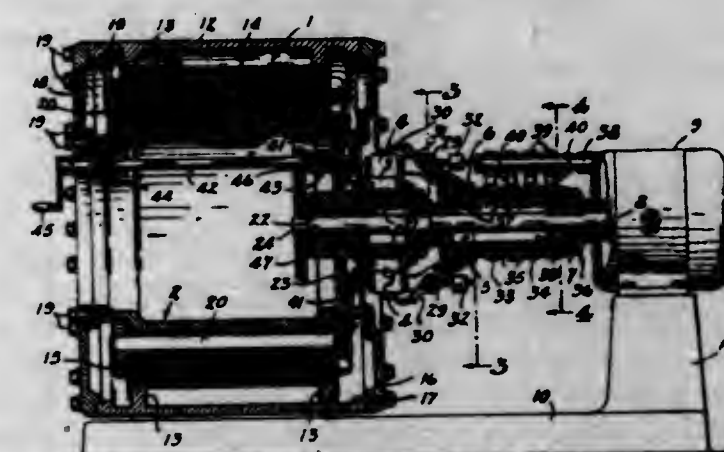


A heat exchange device comprising a tubular portion, a fin portion extending spirally about said tubular portion, said fin portion having a longitudinal slot opening along said conduit, whereby said fin portion will become part of the primary evaporator surface, the width of said slot being of such dimension that capillary attraction will cause the refrigerant to penetrate into said slot.

2,434,520

ROTARY BRUSH TYPE CONVERTER

Gustav A. Reinhard, Shaker Heights, Ohio
Application April 26, 1944, Serial No. 532,849
5 Claims. (Cl. 171—123)



1. Apparatus of the class described comprising a stationary armature having windings, means providing a rotating field to induce current in

said windings, a stationary commutator including bars connected to the armature windings, a plurality of brushes mounted to contact said commutator, means for revolving said brushes at the same electrical speed as the rotating field, said brushes including a pair of main brushes and a pair of compensating brushes with each of the compensating brushes being arranged at ninety electrical degrees from a main brush and said compensating brushes being electrically connected to each other to provide a direct current for setting up poles opposing the shifting of the main poles and for overcoming reactance voltage.

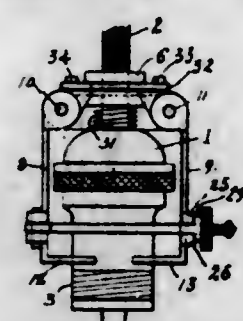
2,434,521

PLUG AND SOCKET CLAMP

Joseph Savage, Cleveland, Ohio

Application January 8, 1947, Serial No. 720,897

2 Claims. (Cl. 173—328)



1. A device of the class described, comprising, in combination a top member having a notch formed therein, a cover plate to cover the aforementioned notch, clamping members hinged to the top member, one of the aforesaid hinged members being provided with oppositely spaced notches and having lugs bent outwardly one on each side of the entrance of each notch; clamping bolts hingedly connected to the other of the said members and being aligned with and adapted to engage in the spaced notches in the other member, the end of the clamping bolts remote from the hinge being provided with a threaded portion, a nut threaded onto the threaded portion of the clamping bolt and having a portion adapted to engage behind the outwardly bent lugs to prevent the clamping bolt from becoming disengaged from the slot after the clamping members are brought into clamping engagement with a socket on which the device is removably clamped.

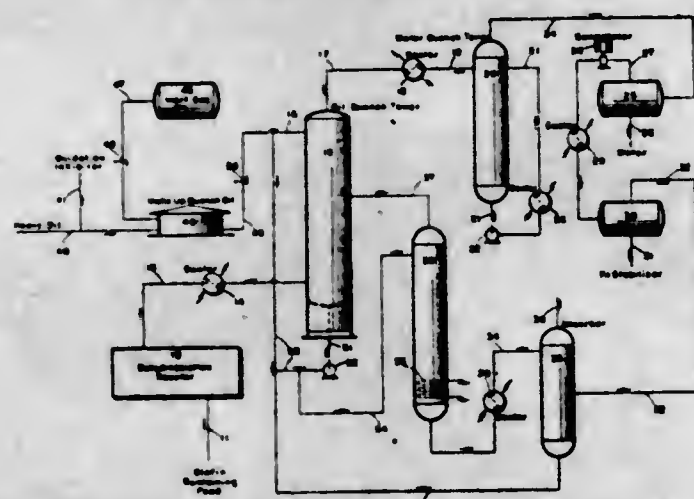
2,434,522

PRODUCTION OF DIOLEFINS

Wilson D. Seyfried, Wooster, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 18, 1944, Serial No. 536,209

6 Claims. (Cl. 260—680)



1. In a process for producing diolefins comprising the steps of passing an olefin-containing hydrocarbon feed stock through a dehydrogenation zone maintained under conditions to convert ole-

fin to diolefin and in which product is removed from the dehydrogenation zone and passed to a quenching zone, the step of cooling the product in the quenching zone to a temperature substantially above atmospheric by bringing it into intimate contact with a mineral oil containing free oxygen and having an oxidation inhibitor added thereto.

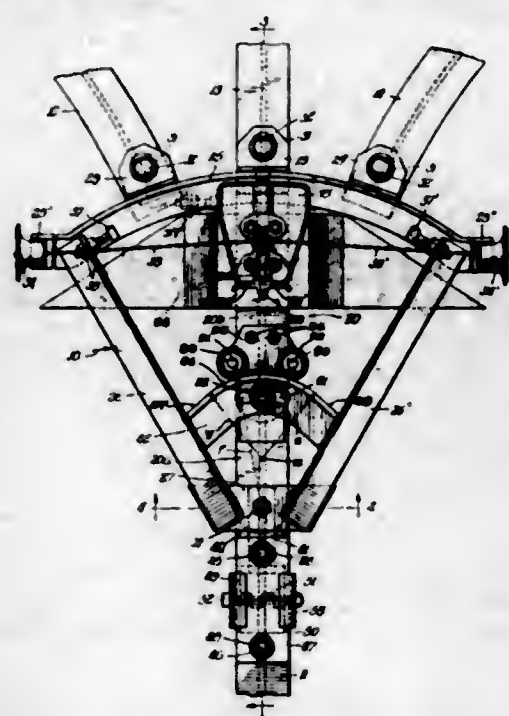
2,434,523

SWITCH FOR CONVEYOR TRACKS

Carl L. Sheets, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois

Application May 8, 1944, Serial No. 534,663

21 Claims. (Cl. 104—103)



1. In a track switch of the class described, the combination of a switch tongue swinging around a substantially stationary pivot axis for enabling the outer end of the said switch tongue to be brought into registration with different branch tracks, said switch tongue comprising inner and outer sections articulated together by a swinging pivot, latching means for holding the outer end of said switch tongue in the different switching positions of said tongue, and locking mechanism separate from said latching means for holding said swinging pivot in the different switching positions of said tongue, said locking mechanism comprising a curved locking surface and cramping means adapted to exert a cramping force thereon.

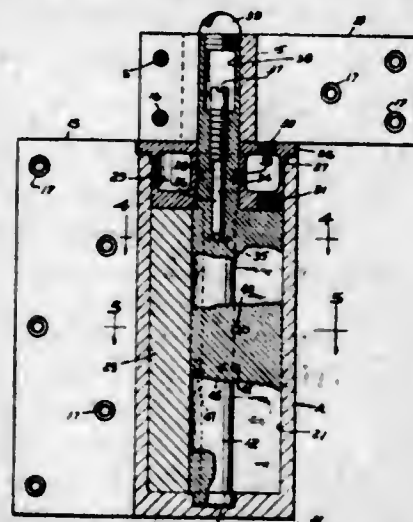
2,434,524

DOOR CHECKING HINGE

Alfred J. Swanson, Los Angeles, Calif.

Application October 6, 1944, Serial No. 557,388

8 Claims. (Cl. 16—54)



1. An hydraulic checking hinge comprising two hinge leaves, an hydraulic cylinder attached to

one of said leaves, a fixed partition defining a segmental working space in said cylinder, a rotary piston in said working space, a shaft for said rotary piston rotating therewith and attached to the other hinge leaf, a non-pressured liquid reservoir adjacent said cylinder, one-way conduits between said reservoir and said cylinder, said one-way conduits being disposed to at times admit liquid to said cylinder from said reservoir on one or the other side of said piston, conduit means adjacent the upper end of said shaft adapted to return to said reservoir any liquid passing up said shaft from said cylinder, said shaft serving as a hinge pin and having bearing contact with said partition, means adapted to at times convey fluid freely from each side of said piston to an opposite side within the working space, and at other times to restrict the free flow of fluid therethrough, whereby to control the resistance to movement of said hinge at selected positions.

2,434,525

COATING ON METALS

Robert M. Thomas, Charles W. Ostrander, and Walter H. Kaelin, Baltimore, Md., assignors, by mesne assignments, to Rheem Manufacturing Company, San Francisco, Calif., a corporation of California

No Drawing. Application August 23, 1943,

Serial No. 499,710

1 Claim. (Cl. 148—6.21)

The method of producing an integral corrosion-resistant coating on zinc, cadmium or copper comprising subjecting the same to an aqueous dip essentially consisting of water, a water soluble chromium compound selected from the group consisting of chromic acid and salts thereof and an alkali metal thiosulfate in smaller amount than said chromium compound.

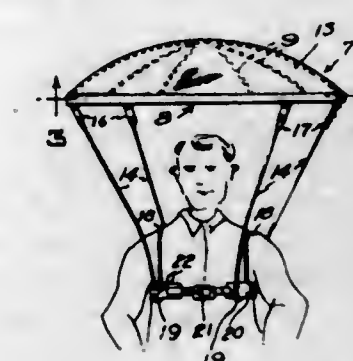
2,434,526

BODY ATTACHED UMBRELLA

Ulysses Thornton, Chicago, Ill.

Application April 22, 1946, Serial No. 664,097

1 Claim. (Cl. 224—5.1)



In a body attached umbrella, supporting means comprising two strands of relatively heavy gauge wire, each of said strands having an upwardly bowed intermediate portion forming a shoulder engaging member and upwardly extending end portions forming supporting legs diverging upwardly from the ends of the shoulder engaging member thereof, said strands being provided with loops, at the junctions of the shoulder engaging members and legs, a body encircling belt connected to said loops for maintaining the shoulder engaging portions in applied position, and a covering member attached to the upper ends of the supporting legs and supported thereby in a position above the head of the wearer.

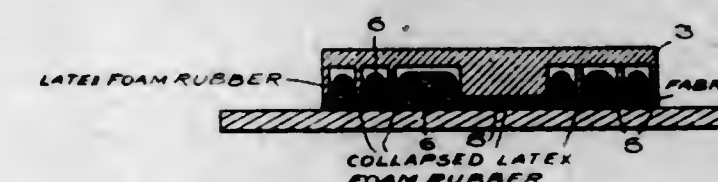
2,434,527

MANUFACTURE OF DECORATIVE FABRIC ARTICLES HAVING A DESIGN IN RELIEF

Frederick H. Untiedt, Chevy Chase, Md.

Application September 22, 1944, Serial No. 555,336

9 Claims. (Cl. 154—106)



1. The process of making a decorative fabric article having a relief design which comprises assembling fabric material and a layer of latex foam rubber which is capable of taking and retaining an impression in relief, imparting a relief design to the fabric and thus collapsing the structure of the foam rubber underlying the depressions in the fabric, the depressed areas of the fabric being secured to the underlying collapsed foam rubber during and after vulcanization, and vulcanizing the rubber to give a fabric having a relief design in which the high portions of the design are supported by vulcanized latex foam rubber, and the depressed areas of the design overlie and are secured to the collapsed and vulcanized foam rubber.

2,434,528

METHOD FOR REMOVING ASH-FORMING CONSTITUENTS AND SEDIMENT FROM ALKALINE PETROLEUM RESIDUUM

Edward F. Wadley, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 4, 1945,

Serial No. 597,588

3 Claims. (Cl. 196—38)

1. A method for treating alkaline petroleum residua obtained by distilling hydrocarbon oil in contact with alkali which comprises mixing said residua with from about 50% to 150% by volume of water, adding only sufficient sulfuric acid of a strength ranging from about 3 N. to about 10 N. to neutralize said residua, adding a petroleum sulfonate in an amount ranging from about .05 to .3% by weight of the water, thoroughly mixing said materials at an elevated temperature, allowing the mixture to settle and stratify and withdrawing the oil layer.

2,434,529

FILAMENT TENSIONING MEANS IN ELECTRON DISCHARGE DEVICE

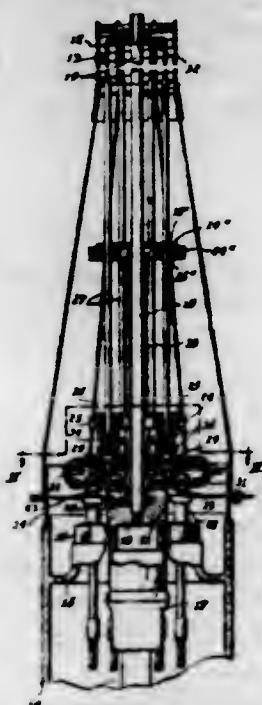
Leo C. Werner, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 1, 1944, Serial No. 538,237

3 Claims. (Cl. 250—27.5)

1. An electron discharge device having a basal end and a hollow anode remote from and opening toward said basal end, a stranded filament within said anode, rods interposed between the foot ends of said filament strands and said basal end and each connected to a strand of the filament, a nut on the end portion of each said rod nearest said basal end of the device, a fixed spacer next said basal end through which said rods project, a spring on each said rod and under compression between said nut and said spacer for tensioning the respective filament strands connected to said rod, opposed cups on said rods

mounting the ends of said springs therein, lead-in posts at the basal end of said device, and



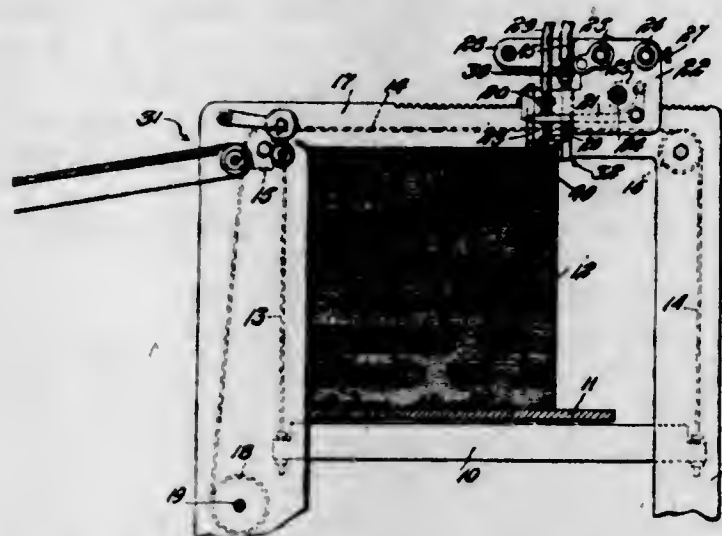
flexible connections looped laterally from and connecting said lead-in posts and rods.

2,434,530

SHEET FEEDING APPARATUS

Leo C. Williams, Pearl River, N. Y., assignor to Dexter Folder Company, Pearl River, N. Y., a corporation of New York

Application June 1, 1944, Serial No. 538,241
17 Claims. (Cl. 271-20)



1. A sheet separator for preliminarily separating a corner portion of a sheet from a pile of sheets for action of other sheet handling means thereon and comprising means providing two jets of air of substantial length extending crosswise of the plane of the sheets and directed toward adjacent sides of the pile at points spaced from a corner thereof, baffle means extending between the two jets, means for guiding said jet means for floating movement in a vertical direction and parallel to said sides of the pile, and means engaged with the top of the pile for automatically maintaining said jet means in a predetermined relation to the top of the pile regardless of variations in the height or unevenness in the surface of the same.

2,434,531

HIGH-SPEED RECORDING SYSTEM

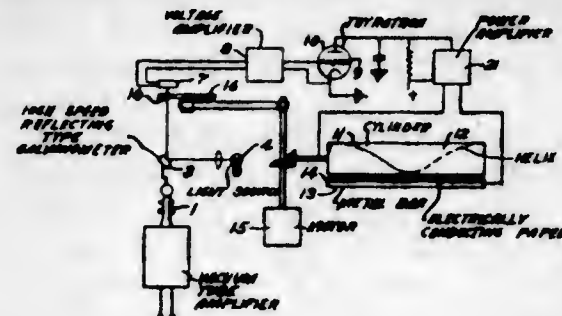
James A. Wilson, Linden, and John J. Heigl, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application April 21, 1944, Serial No. 532,196

3 Claims. (Cl. 234-1.5)

1. A device for producing an indication of the value of a voltage which comprises means for producing a beam of radiations, means for deflecting said beam of radiations, said means being respon-

sive to the voltage the value of which is to be indicated, a rotating spiral slit in the path of said deflected beam of light adapted to break said beam of light into intermittent beams, means adapted to convert said intermittent light beams into intermittent electric impulses, a rotating



voltage measuring means, means for impressing said impulses upon said voltage measuring means and means for synchronizing the rotation of said voltage measuring means with the rotation of said rotating slit so that the electric impulses are displaced across said rotating measuring means as a function of the voltage to be indicated.

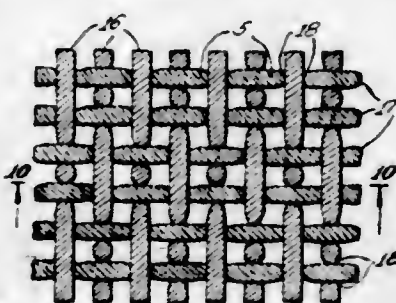
2,434,532

IMITATION FABRIC

Hugo Wurzburger, New York, N. Y., assignor to Paul D. Wurzburger, Cleveland Heights, Ohio

Application September 27, 1944, Serial No. 556,003

3 Claims. (Cl. 154-46)



1. A flexible unwoven fabric, formed integrally in situ, simulating a fabric made of distinct filaments, and composed of synthetic organic plastic material, the portions simulated crossing points of the parts of the fabric simulating filaments being integral and homogeneous and lying substantially in the plane of the fabric, and said portions being solely convex in any plane perpendicular to the plane of the fabric, said fabric having in each of the simulated filaments at least intermediate the simulated crossing points thereof, at least one groove which extends at least one-third of the way around the filaments and serves to impart flexibility to the fabric by tending to compensate for the stiffening effect of the integral crossing points, said grooves further being formed solely as indentations from at least one face of the fabric, so as to impart flexibility thereto as to bending in any direction, while retaining the resistance of the fabric against distortion in the plane thereof substantially unimpaired.

2,434,533

IMITATION FILAMENTS, ROPES, YARNS, AND THE LIKE

Hugo Wurzburger, New York, N. Y., assignor to Paul D. Wurzburger, Cleveland Heights, Ohio

Application May 24, 1945, Serial No. 595,642

4 Claims. (Cl. 28-32)

1. A single filament of synthetic organic plastic material having a helical groove formed in its outer surface and extending continuously from end to end of said filament with a predetermined pitch, and a plurality of substantially longitudi-

nally extending grooves formed in said filament intermediate the several portions of said helical



groove, all said grooves serving to impart flexibility to the filament in use and serving to simulate the appearance of a plural stranded rope.

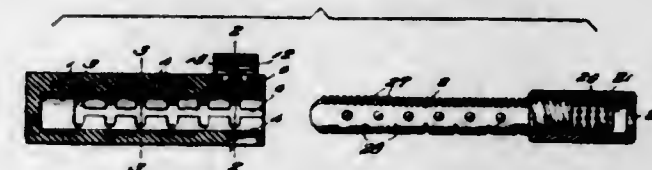
2,434,534

MULTIPLEX JACK AND PLUG

William H. Alford, Winston-Salem, N. C.

Application December 29, 1945, Serial No. 637,932

4 Claims. (Cl. 173-328)



1. A combined multiplex jack and plug comprising an elongated jack housing formed with a longitudinally extending cylindrical bore and diametrically opposed elongated arcuate slots at the opposite sides of said cylindrical bore merging therewith, longitudinally spaced contacts supported along the opposite ends of said slots, connections leading from said contacts exteriorly of said jack housing, said jack housing being formed with a radially extending slot disposed between said cylindrical bore and the outer surface of said jack housing, a cog wheel mounted transversely of said radial slot extending into said cylindrical bore, a counter supported upon said jack housing overlying said cog wheel and operatively connected therewith, an elongated hollow plug having diametrically opposed rows of radially extending spaced longitudinally disposed detachable contact arms and a longitudinally extending cog track intermediate the rows of contacts engageable with said cog wheel when said plug is inserted in said jack housing to indicate the various circuits which are opened or closed as said plug is inserted to various positions within said jack housing.

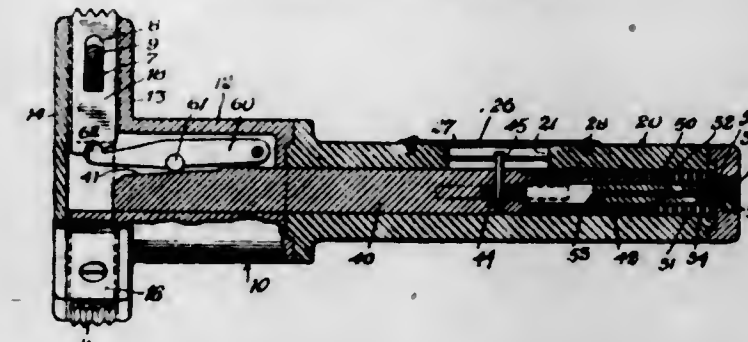
2,434,535

INTERNAL THREAD GAGE

John F. Anders, Kitchawan, N. Y.

Application September 29, 1944, Serial No. 556,362

1 Claim. (Cl. 33-178)



An internal screw thread gage comprising a housing, two fixed and one radially movable segments radially disposed therein, the free ends of said segments being provided with teeth which are adapted to mesh with internal screw threads, a compression spring member engaging said radially movable segment and urging said segment to move inwardly, a longitudinally movable shaft longitudinally carried in said housing, and having a gently tapered reduced forward end, a longitudinally extending arm pivoted at one end to

said housing, its free opposite end engaging the inner end of said radially movable segment, said arm being provided intermediate its two ends with a transversely disposed roller which engages the tapered forward end of the shaft, a second compression spring member engaging said shaft and urging it forwardly whereby outward radial movement of the movable segment is effected against the action of the first spring member, a finger grip on the shaft whereby it may be moved rearwardly against the action of the second spring member, thereby effecting an inward radial movement of said movable segment by releasing it to the action of the first spring member, an air check valve cushioning the forward movement of the shaft effected by the action of the second spring member, a longitudinally extending graduated scale adjustably fixed on the housing and an indicator therefor fixed on the shaft.

2,434,536

EMULSION POLYMERIZATION PROCESS

Erving Arundale, Colonia, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 14, 1942,

Serial No. 450,919

10 Claims. (Cl. 260-84.5)

1. In the manufacture of synthetic rubber-like materials by the polymerization of a conjugated diolefin hydrocarbon in aqueous emulsion in the presence of an aliphatic mercaptan polymerization modifier containing between 8 and 16 inclusive carbon atoms the improvement which comprises adding 50% of the mercaptan modifier to the emulsion initially, adding 25% of the modifier after polymerization has proceeded for from 3 to 5 hours, and adding the remaining 25% after about 50% conversion of the monomers, the total amount of mercaptan modifier being between 0.25% and 0.5% by weight, based on the water present in the emulsion.

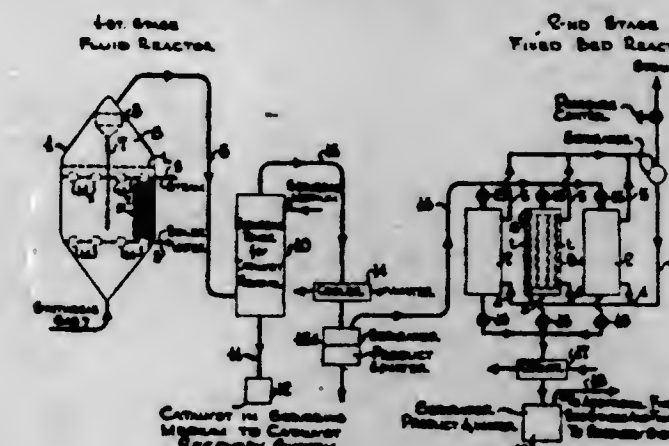
2,434,537

TWO-STAGE SYNTHESIS OF HYDROCARBONS

Frank T. Barr, Summit, and Walter G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 16, 1944, Serial No. 568,514

13 Claims. (Cl. 260-449.6)



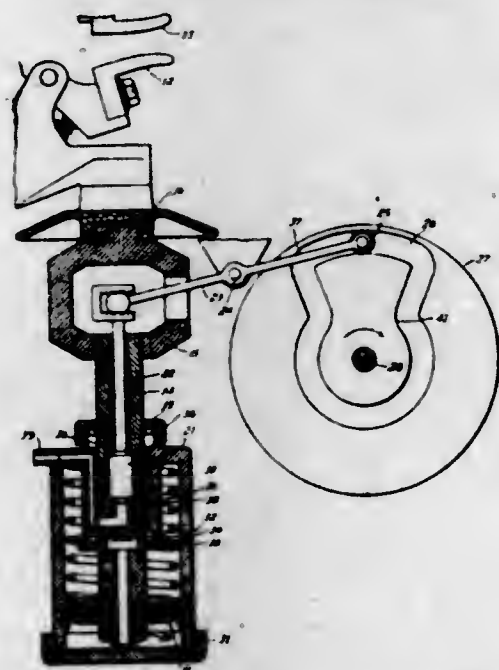
1. In the process of synthesizing hydrocarbons, including hydrocarbon oils, by contacting CO and hydrogen properly stoichiometrically proportioned at elevated temperatures and pressures with a catalyst, the improvement which comprises effecting rigid temperature control by first suspending catalyst in the synthesis gases to form a dense suspension and limiting the time of contact so that hydrocarbons which are liquid at operating conditions are formed in substantial

amounts but not more than about 60% of the amount possible under the reaction conditions, withdrawing the material from the reaction zone and discharging it into a zone containing at least one stationary bed of catalyst, permitting the reactants to remain in contact with the reaction conditions for a sufficient period of time to cause the reaction to proceed until further substantial quantities of normally liquid product are formed, and recovering said normally liquid product from the second reaction zone.

2,434,538

CONTROL DEVICE

Cyril E. Baston, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1944, Serial No. 535,837
2 Claims. (Cl. 200-82)



1. In a fluid-pressure operated switch having a movable contact member, in combination, a cylinder, a piston disposed in the cylinder for actuating said movable contact member, valve means disposed within the cylinder and movable with said piston for controlling the supply of fluid to the cylinder, cam means disposed externally of the cylinder for controlling the operation of said valve means, and a resilient lever arm having one end engaging said cam means and the other end engaging said valve means.

2,434,539

LUBRICANTS

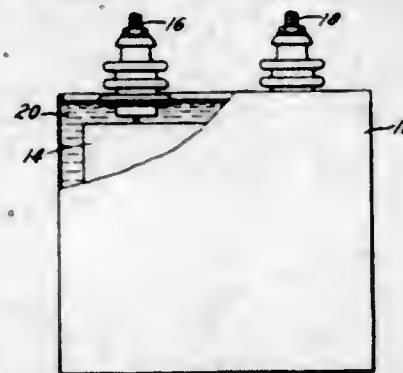
Alan Beerbower, Westfield, and Arnold J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 22, 1945, Serial No. 637,033
17 Claims. (Cl. 252-41)

1. A continuous method for producing anhydrous greases which comprises first forming a slurry of dehydrated metal hydroxide in lubricating oil by heating a mixture of at least partially hydrated metal hydroxide and said oil to a temperature range of above 225° F., to substantially dehydrate said metal hydroxide, said hydrated metal hydroxide being selected from the group consisting of $\text{LiOH} \cdot \text{H}_2\text{O}$, $\text{Ba}(\text{OH})_2 \cdot 8\text{H}_2\text{O}$ and $\text{Sr}(\text{OH})_2 \cdot 8\text{H}_2\text{O}$ next reacting said slurry with hot high molecular weight fatty acid at a temperature at which the soap formed by the reaction of said metal hydroxide with said fatty acid will remain dissolved in the oil, and finally cooling the reaction mass to form a grease.

2,434,540

CAPACITOR AND DIELECTRIC THEREFOR

Leo J. Berberich, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 4, 1941, Serial No. 421,614
9 Claims. (Cl. 175-41)



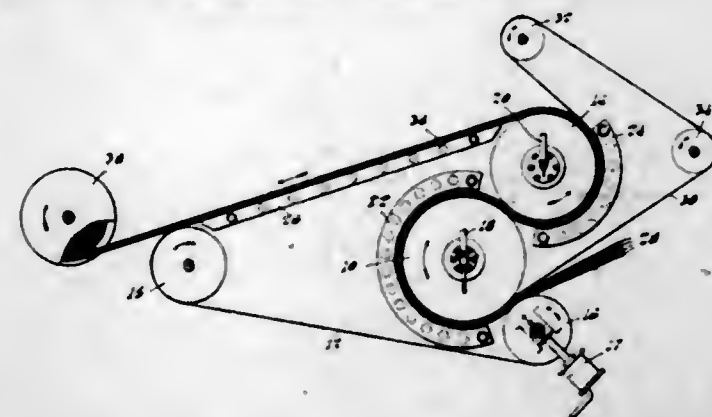
1. A capacitor comprising, in combination, electrodes, a sheet material separating and insulating the electrodes from one another, and a high specific inductive capacity liquid dielectric having a pour point of below 13° C. in the capacitor and cooperating with the sheet material, the dielectric comprising a mixture of diaryl sulfone selected from the group consisting of phenyl xylyl sulfone and tolyl xylyl sulfone and halogenated diphenyl.

4. A dielectric having a high specific inductive capacity and a low pour-point of below 13° C., comprising, in combination, a mixture of diaryl sulfone selected from the group consisting of phenyl xylyl sulfone and tolyl xylyl sulfone and a substantial proportion of chlorinated diphenyl.

2,434,541

MANUFACTURE OF THERMOPLASTIC MATERIALS

John M. Blerer, Waban, Mass., assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application March 4, 1944, Serial No. 525,029
7 Claims. (Cl. 18-57)



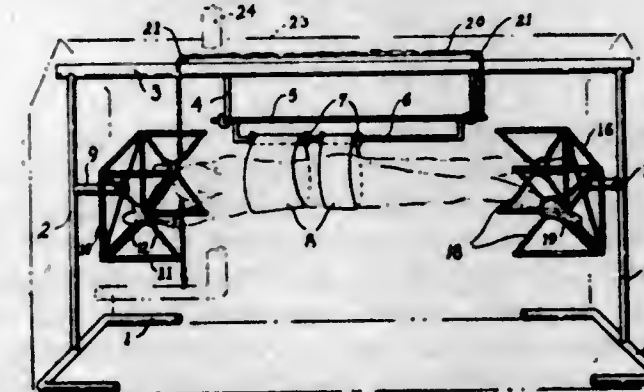
1. A method of combining into a unitary strip of predetermined thickness a plurality of thin component strips of plastic material adapted to be softened by heat, which comprises the steps of feeding the thin strips longitudinally and simultaneously into and through a bight between and in direct contact with two pressure surfaces to which said material is adherent when heated to a sufficiently high temperature and is sufficiently non-adherent to be stripped therefrom without injury when cooled, pressing the thin strips firmly and progressively into face to face contact at said bight thereby continuously excluding the entrapment of air therebetween while joining them into intimate physical contact, continuing the movement of the combined strips along a predetermined path while holding them in firm face to face contact between said surfaces both of which are heated to temperatures at least sufficiently high to bond the component strips

into a unitary strip and at least one surface of which is heated to a temperature sufficiently high to cause adhering of the material thereto, annealing the unitary strip by continuing to maintain it under said heat and pressure through a continuation of said path, continuing the movement of the unitary strip in adhering contact with said one surface through another predetermined path while cooling said one surface and strip sufficient substantially to release the adhering bond therebetween, and thereafter stripping the unitary strip from said one surface.

2,434,542

SWIMMING INSTRUCTION APPARATUS

Joseph N. Borroughs, Piedmont, Calif.
Application April 18, 1945, Serial No. 588,965
6 Claims. (Cl. 272-71)

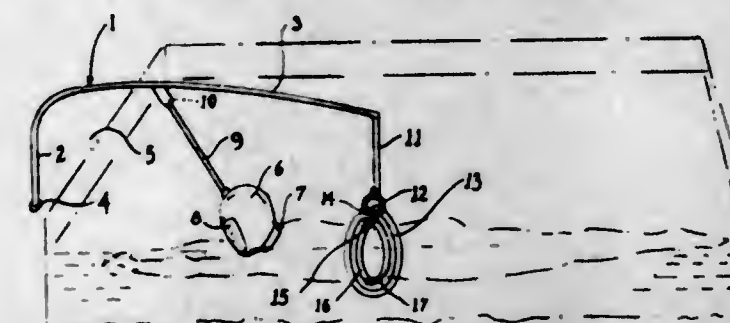


1. A swimming instructive apparatus comprising a frame which includes spaced end standards, frame units supported from the standards in facing relation to each other for independent turning on a horizontal axis, transversely separated members on one unit to engage the hands of a student in a swimming posture, similarly disposed members on the other unit to engage the feet of the student and means supported from the frame intermediate the frame units to support the body of the student.

2,434,543

SWIMMING PRACTICE APPARATUS

Joseph N. Borroughs, Piedmont, Calif.
Application April 18, 1945, Serial No. 588,966
3 Claims. (Cl. 9-14)



1. A device to facilitate practicing swimming strokes comprising a fixed substantially horizontal member adapted to be mounted to overhang a body of water, a rigid ring flexibly supported from and below the member so as to be under water, and of larger diameter than the waist of a swimmer, and a waist engaging belt within and connected at one point to the ring.

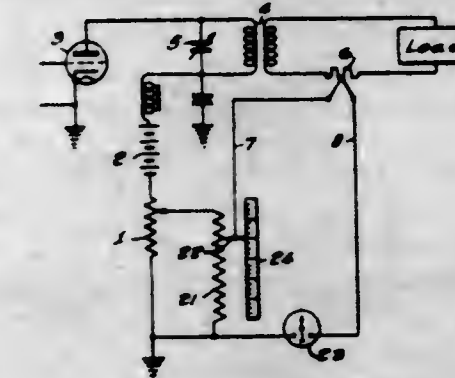
2,434,544

EFFICIENCY METER

John R. Boykin, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 25, 1944, Serial No. 528,124
5 Claims. (Cl. 171-95)

1. In combination with an electrical network having a direct current supply circuit and an out-

put circuit, a resistor traversed by the current of said supply circuit, means having a direct current output from its output terminals which is proportional to the square of the current traversing it connected in said output circuit, an instrument comprising a pair of angularly displaced coils provided with a pivoted support; means for

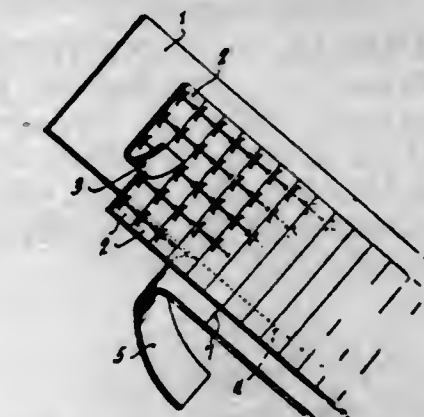


connecting one of said coils in shunt to said resistor; means for connecting the other of said coils to said output terminals; a direct current magnet producing a field transverse to the pivotal axis of said coils; and means for indicating the angular position assumed by said coils, relative to said magnet.

2,434,545

ADHESIVE LABEL DISPENSER

William H. Brady, Jr., Milwaukee, Wis., and Frederick W. Brady, Chicago, Ill.
Application February 21, 1945, Serial No. 579,066
5 Claims. (Cl. 206-56)



5. In a dispensably mounted pressure sensitive adhesive label the combination comprising a backing sheet of light card-board, a label sheet coated with a permanently tacky adhesive and adhered to one face of the backing sheet with one edge of the label sheet in inwardly spaced parallel relation to one edge of the backing sheet, said label sheet having a plurality of spaced parallel slits extending normal to said edge of the label sheet and dividing the label sheet into individual labels, said backing sheet having a line of partial penetration extending entirely across the backing sheet to form a weakened line, said weakened line being beneath the label sheet and extending across the same in inwardly spaced parallel relation to said edge of the label sheet, and the extent of said partial penetration of said board being limited so that the backing sheet provides a flat support for the label and a protective covering for the adhesive of said labels until said backing sheet is parted for use.

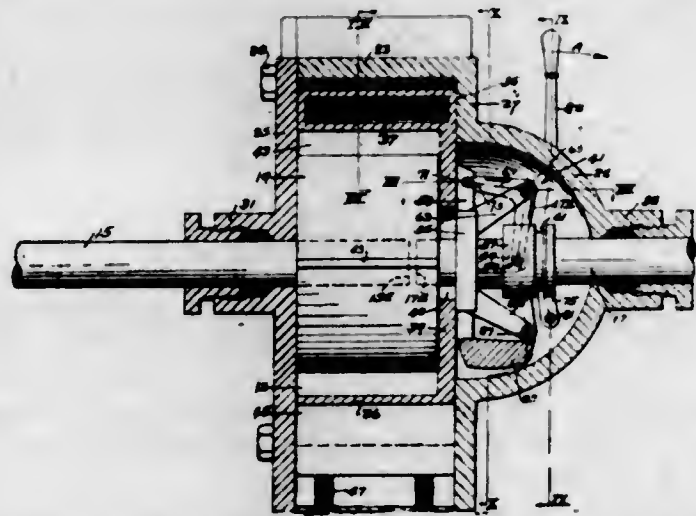
2,434,546

VARIABLE-SPEED HYDRAULIC DRIVE

Harry B. Breedlove, Baton Rouge, La., assignor of one-half to J. H. Weatherford, Memphis, Tenn.
Application September 18, 1942, Serial No. 458,794
28 Claims. (Cl. 60-53)

21. A variable speed hydraulic drive, including a drum having outwardly urged movable blades,

a surrounding casing having inwardly urged movable blades, an annular rotor internally and externally cylindrical interposed between said drum and casing to establish pump and motor sections, said rotor cooperating with said blades and being radially shiftable with respect to said drum and casing, means establishing passage-



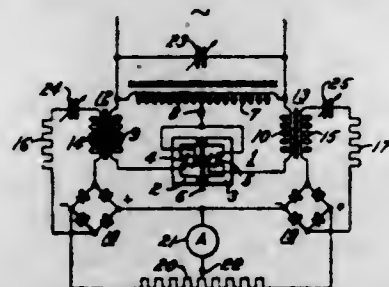
ways between said sections, and means for shifting said rotor.

24. A hydraulic drive comprising a variable capacity pump including a rotor, and a variable capacity motor, including a reaction housing, which said pump and motor include a radially shiftable rotary member in common, which is the reaction housing of said pump and the rotor of said motor.

2,434,547

ELECTRICAL GAUGE CIRCUITS

Thomas E. Browne, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1945, Serial No. 607,433
7 Claims. (Cl. 177-351)



1. In a system for indicating a mechanical displacement, the combination of, an electrical bridge circuit, means for supplying alternating current to the electrical bridge circuit, reactor means including a pair of windings the reactances of which are varied in opposite directions in response to a mechanical displacement, said reactor windings being connected in adjacent legs of said bridge circuit, a pair of transformers each having primary and secondary windings, each of said primary windings being connected in series with one of said reactor windings in one of said adjacent legs of said bridge circuit to have the energization thereof varied according to the reactance change of one of said reactor windings, rectifier means connected across each of said secondary windings, and means responsive to the algebraic sum of the electrical outputs of said rectifiers.

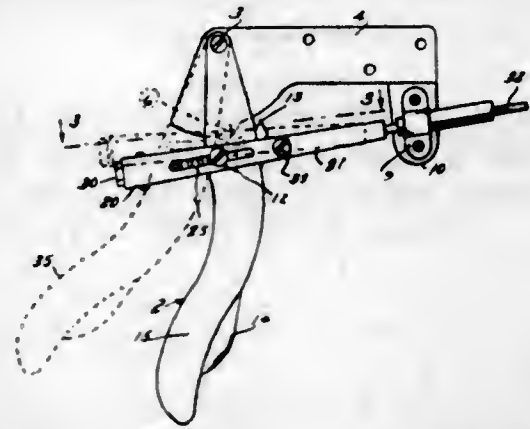
2,434,548

BRAKE LEVER

Edwin S. Camrud, Phoenix, Ariz.
Application June 1, 1945, Serial No. 597,007
1 Claim. (Cl. 74-537)

A braking device for motor vehicles having a cowl, a band brake with a spring normally main-

taining said brake disengaged, and an operative pull cable, comprising in combination, a bracket adapted to be attached to said vehicle cowl; a brake lever having a handle at its lower end pivotally mounted thereon and depending therefrom having a pawl and a pawl releasing lever adjacent said handle; a single detent radially positioned on said bracket, relative to the pivotal mounting of said brake lever, adapted for engagement of said pawl; a U-shaped clevis with its sides embracing said brake lever, having slots cut

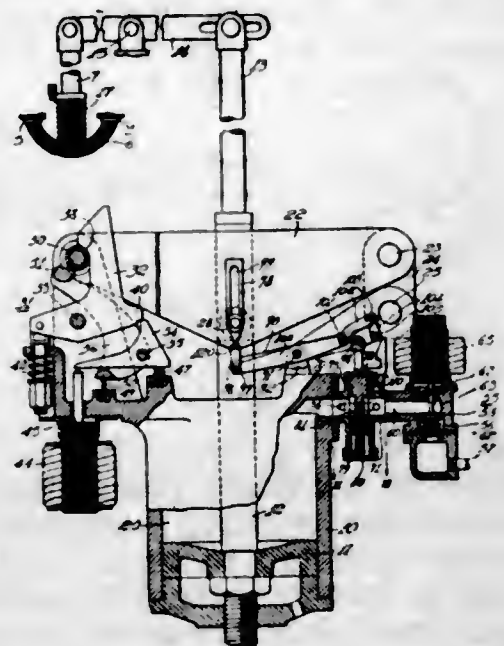


along said sides; a bearing bolt extending transversely through said brake lever slidably engaging said clevis in said slots; means for attaching the open end of said clevis to said brake pull cable; and an open spring operative between the arms of said clevis bearing at one end against said brake lever and at the other against a plate adjustably secured to the web of said clevis by a longitudinally operative screw therein, whereby the tension of said spring against said brake lever may be varied.

2,434,549

FLUID PRESSURE OPERATED CIRCUIT BREAKER

James M. Cumming, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 21, 1945, Serial No. 589,581
10 Claims. (Cl. 200-82)



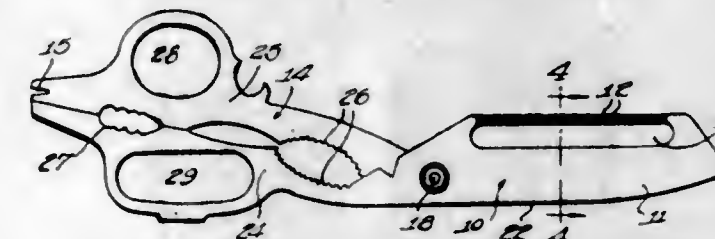
1. In a fluid pressure operated circuit breaker having relatively movable contact means, a cylinder, a piston operative upon an increase in fluid pressure in said cylinder for moving said contact means to a circuit closed position, and means for moving said contact means to an open circuit position, the combination of supply valve means operative to supply fluid under pressure through a communication to said cylinder, throttle valve means interposed in said communication having a position for restricting flow therethrough and an open position for permitting maximum flow, means for biasing said throttle valve means to-

ward open position, and a positive latch for releasably holding said throttle valve means in the restricting position, and a member movable independently of the throttle valve means for releasing said latch during movement of said piston to permit said biasing means to move said throttle valve means to open position.

2,434,550

COMBINATION IMPLEMENT

Daniel J. Daniel, Fort Smith, Ark.
Application December 28, 1945, Serial No. 637,587
2 Claims. (Cl. 43-29)

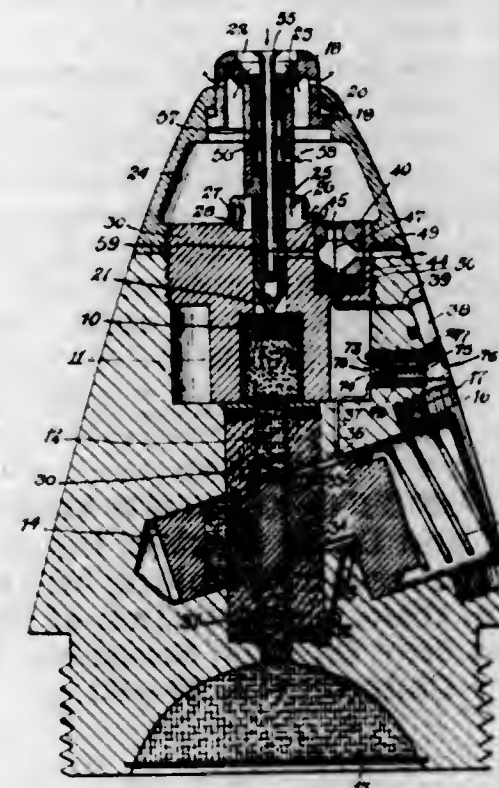


1. An implement of the class described having an elongated element for projection of an end portion thereof into the mouth of a fish, notched means on said end portion for engagement with a hook impaled in said mouth to extract the hook, and an element pivoted to and adapted to be disposed at an angle to the first-mentioned element to function as a handle in the manipulation of the implement, the second-mentioned element provided with a flange having serrations of substantial depth along the longitudinal edge nearest said means and disposed for engagement of the fishing line which carries said hook, when the line is clamped against the second-mentioned element by a finger of the fisherman during a hook-extracting operation.

2,434,551

MAGNETIC FUSE

Panayottis John Eliomarkakis, Philadelphia, Pa.
Application August 11, 1943, Serial No. 498,142
2 Claims. (Cl. 102-70)



1. The combination with a fuse of the super-sensitive type having a striker head supported by air pressure, of means for releasing the air pressure behind said striker head, said means including a plug, a metallic strip holding said plug in place, a circuit connected with said strip, a coil in said circuit adapted to produce a current when rotated in the earth's magnetic field, said current raising said strip to a predetermined temperature

when under the influence of the earth's magnetic field and causing said strip to fracture when an additional magnetic force is superimposed upon the earth's magnetic field.

2,434,552

POLYMERIZATION PROCESS

Norman M. Elmore, Elizabeth, and Hector C. Evans, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 30, 1942, Serial No. 452,910
3 Claims. (Cl. 260-94)

1. A low temperature polymerization process for the polymerization of isobutylene in the presence of 150 to 400 parts of a liquefied paraffinic hydrocarbon internal refrigerant containing 2 to 3 carbon atoms per molecule per 100 parts of isobutylene, which comprises dissolving isobutylene in one portion of the internal refrigerant, dissolving boron trifluoride in an alkyl chloride containing 1 to 2 carbon atoms per molecule to yield a solution having a boron trifluoride concentration within the range of 10% to 50%, diluting the boron trifluoride solution with another portion of said internal refrigerant so that the resulting solution contains from .04% to 2.4% of boron trifluoride and from 0.1% to 4% of boron trifluoride calculated on the amount of isobutylene to be polymerized and then mixing the diluted boron trifluoride-alkyl chloride-refrigerant solution with the refrigerant-isobutylene solution to polymerize isobutylene.

2,434,553

COIN DISPLAY BLOCK

Bert De Witt Ensley, Seattle, Wash.
Application June 26, 1945, Serial No. 601,561
1 Claim. (Cl. 133-1)



A display holder consisting of a cylindrical coin block of transparent material, a circular recess therein adapted to receive a coin, equal in depth to the thickness of the coin to be received, the periphery of said cylindrical coin block being threaded, a base circular recess therein having a threaded wall, said recess being substantially equal in diameter to the said coin block receiving said coin, holes in the upper side of said coin block near its periphery for the removal of said coin block from its base by the application of a tool inserted in said holder.

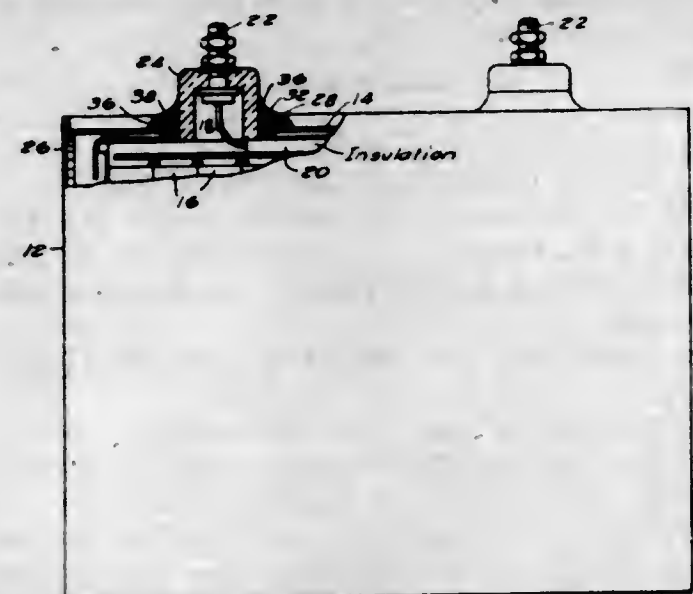
2,434,554

TERMINAL BUSHING SEAL

Charles V. Fields, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 22, 1946, Serial No. 692,330
7 Claims. (Cl. 174-152)

1. In an electrical apparatus, the combination comprising, a case of aluminum for enclosing the electrical apparatus, the case having an opening therein, a bushing disposed to extend through the opening, a ring of metal having a cross section of substantially U-shape carried by the bushing and disposed in the opening to receive the edge of the case forming the opening, a seal of soft-solder disposed between the ring and the edge of the aluminum case forming the opening, and a non-metallic sealing compound disposed

within the body of the U-shaped ring to cover the solder seal externally of the case to seal the



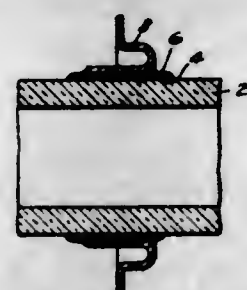
solder seal from the atmosphere externally of the case.

2,434,555

ELECTRICAL INSULATOR

Eugene H. Fischer and John D. Harnish, Derry, and Ralston Russell, Jr., Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 16, 1944, Serial No. 535,812
2 Claims. (Cl. 174-152)

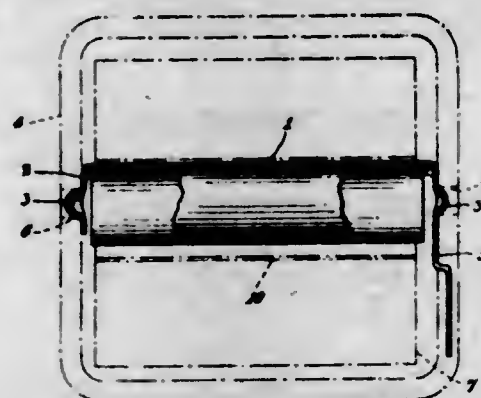


1. An insulator comprising a ceramic body having a glaze coating on a portion of the surface thereof comprising a fired mixture predominately of copper oxide and a lesser amount of lead borate, and a metallic surface overlying said glaze and constituting a part thereof.

2,434,556

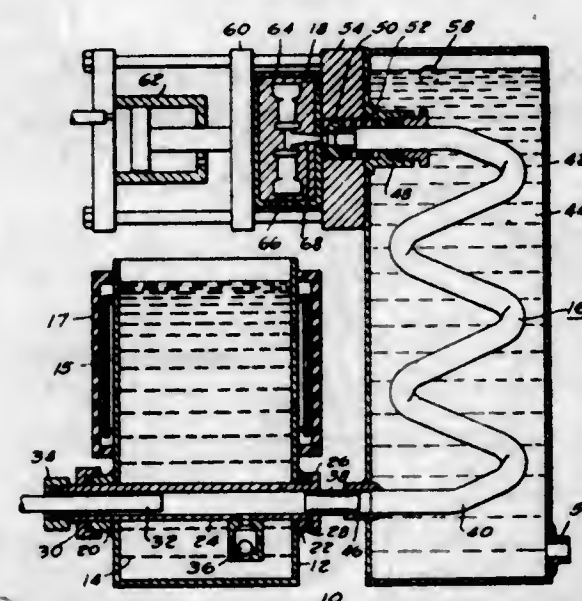
TOILET PAPER HOLDER ATTACHMENT

Anestis Foltis, Jackson Heights, N. Y.
Application April 16, 1946, Serial No. 662,645
2 Claims. (Cl. 242-55.2)



1. A holder for a roll of paper comprising a hollow cylindrical body to support said roll, said body being open at both ends and having a projection at each end, each projection being connected to the body at one side thereof and extending across the longitudinal axis of the body, said projection being formed to present outward bulging studs in line with the axis to form trunnions for engaging bearing recesses in a support for said holder.

2,434,557
APPARATUS FOR MOLDING WAX OBJECTS
Edward A. Fox, Jr., and Stanley C. Tingquist, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1945, Serial No. 584,454
4 Claims. (Cl. 18-30)

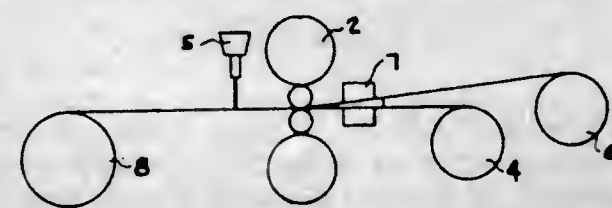


4. Apparatus for the molding of wax objects comprising, in combination, a reservoir for holding a supply of wax, means associated with the reservoir for maintaining the wax in a molten state in the reservoir, an injection cylinder comprising a receiving cylinder having a piston disposed for displacement therein and a tubular member forming a continuation thereof, the receiving cylinder being disposed in the lower portion of the reservoir to receive molten wax therefrom under the static pressure of the supply of wax, a check valve carried by the receiving cylinder for controlling the admission of the molten wax thereto, temperature controlling means disposed about the tubular member for maintaining the tubular member and the wax therein at a substantially constant temperature below the melting point but above the solidification point of the wax to render and maintain the wax therein in a plastic state, the piston, valve and temperature controlling means cooperating to maintain the space in the receiving cylinder and the tubular member filled with wax except for the displacement of the piston, and a mold having a mold cavity therein removably disposed to be supplied with plastic wax from the tubular member as the piston is displaced to apply pressure thereto, the check valve cooperating as the piston is displaced to release pressure from the plastic wax to admit molten wax under static pressure to fill the receiving cylinder.

2,434,558

ROLLING OF THIN GAUGED MATERIAL

Gordon Gage and David Hughes, Butler, Pa., assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application May 20, 1943, Serial No. 487,768
2 Claims. (Cl. 80-60)



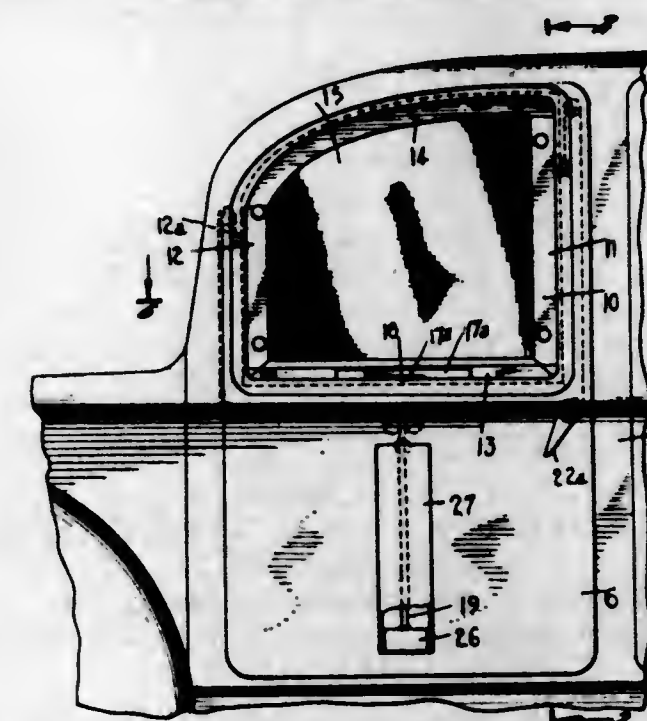
1. A process of producing thin wide strip material which comprises cleaning the surface of a plurality of strips, one at least being of heavier gauge than another, winding said strips into a composite coil under equal tension, withdrawing

said strips together from said composite coil, passing said strips through a rolling mill and concurrently reducing them, separately coiling said strips on the exit side of said mill and applying forward tension at least to said heavier strip.

2,434,559

DISAPPEARING AUTOMOBILE WINDOW SCREEN

Anthony Garcia, New York, N. Y.
Application February 3, 1945, Serial No. 575,990
1 Claim. (Cl. 160-37)



An automobile door having a body provided with a ventilation opening in the upper part thereof, a pair of pulleys arranged in the door on each side of the opening, one pulley of each pair of pulleys being arranged below the opening and one pulley being arranged near the upper end of the opening, a pair of pulleys located between the lowermost pulleys and midway thereof, a screen movable on the door to bridge the opening and provided with a rigid frame; a flexible cord connected to each side of the screen and movable over the uppermost side pulleys and trained over the lowermost side pulleys and over the intermediate pulleys and depending therefrom in a central position, a well on the door below the opening thereof, and a weight slidable in the well and connected to the lower ends of both flexible cords and adapted to balance the weight of the screen, whereby the downward motion of the screen will cause the weight to be elevated in the door well.

2,434,560

TERMINATION FOR TRANSMISSION LINES

Frank B. Gunter, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1943, Serial No. 505,315
6 Claims. (Cl. 178-44)



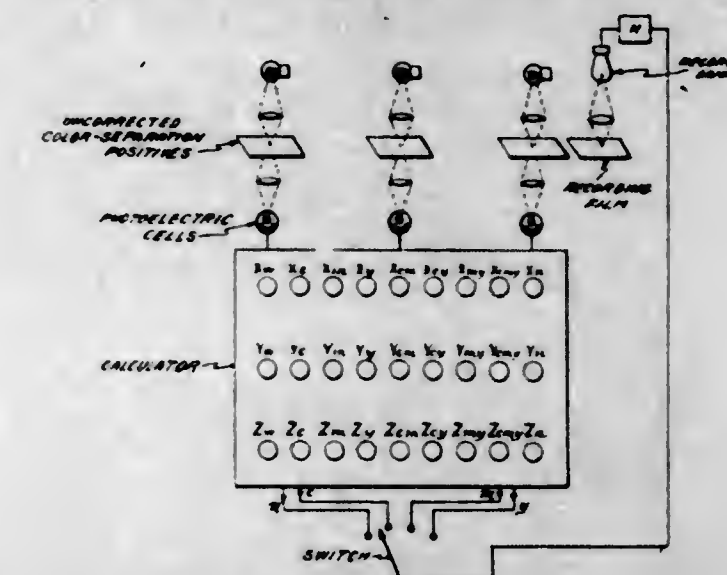
4. A loading element for a transmission line of the core and sheath type comprising a member of resistance material having on its surface an annular high resistance layer extending from said core to said sheath and conductively interconnecting them, the resistance per unit length in a radial direction of said resistance layer being substantially independent of the radial distance from the center of said core.

608 O. G.-22

2,434,561

COLOR FACSIMILE

Arthur C. Hardy, Wellesley, Mass., and Edward C. Dench, West Hartford, Conn., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application August 6, 1946, Serial No. 688,749
25 Claims. (Cl. 178-5.2)



1. In the method of making corrected color-separation images for reproduction of a colored original by superimposed prints from structured printing plates in which electric signals representing different spectral components of the colored original are modified by one another, the new step which consists in utilizing the color stimuli of overprint combinations of the reproduction inks to control the extent of such modification.

2,434,562

PROCESS OF TREATING ANIMAL FIBERS AND PRODUCT THEREOF

Milton Harris, Bethesda, Md., assignor to Textile Foundation, Washington, D. C., a corporation of the District of Columbia
No Drawing. Application October 17, 1941, Serial No. 415,496
11 Claims. (Cl. 8-128)

1. The process of treating animal fibers such as wool, hair, and fur which contain keratin and which are characterized by having a plurality of disulfide linkages in the molecule which comprises subjecting the material to the action of a reducing agent of the group consisting of lower alkyl mercaptans, thioglycolic acid and betamercaptoethanol while maintaining the pH of the reaction below about pH 9 to disrupt at least some of the disulfide linkages and form sulfhydryl groups therefrom, then reacting the so-treated material with a compound of the group consisting of substituted and unsubstituted alkyl compounds containing at least two halogens attached to aliphatic carbon atoms which do not have an acidic group attached thereto to convert the sulfhydryl groups from the disrupted disulfide linkages into bis-thioethers.

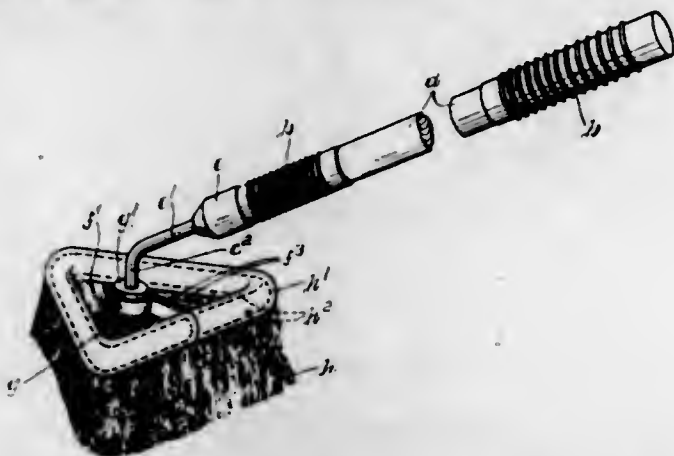
2,434,563

FLOOR MOP

James Edward Hawley, Aughton, Ormskirk, England
Application June 16, 1939, Serial No. 279,457
In Great Britain June 18, 1938
Section 3, Public Law 690, August 8, 1946
Patent expires June 18, 1958
1 Claim. (Cl. 15-147)

A mop-like device of the type referred to and which comprises a stale, a frame bent from a single piece of metal and having its free ends

spaced apart to provide an opening to enable the hem of the usual cleaning material to be threaded onto said frame; a rigid ring-shaped portion situated substantially centrally within said frame and providing a passage at right-angles to the normally horizontal plane of said frame, said ring-shaped portion being shaped from an integral inwardly extending portion of said frame; a normally vertically disposed spindle rigidly extending from said stator



and rigidly held within said ring-shaped portion to form a single axis about which said frame revolves; complementary bearing components interposed between said ring-shaped portion and said spindle, one of said components being secured to said spindle and another secured within said ring-shaped portion; the arrangement being such that said frame revolves solely about said axis through the co-operation of said bearing components in preventing angular displacement between said frame and stator spindle.

2,434,564

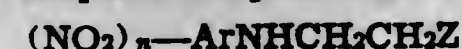
SUBSTITUTED NITRO AROMATIC AMINES AS INSECTICIDES

William F. Hester, Drexel Hill, and W E Craig, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application June 8, 1943, Serial No. 490,046

9 Claims. (Cl. 167-30)

1. An insecticidal composition containing as an active principle a compound of the formula:



wherein Ar is an aryl nucleus selected from a member of the benzene and naphthalene series, Z is a member of the class consisting of —OH, —OR, and —OCOR groups, and n is an integer having a value from one to two, inclusive, R being a hydrocarbon group selected from the aliphatic, aromatic, and alicyclic series, and a carrier therefor selected from the class consisting of inert finely divided solids and organic solvents.

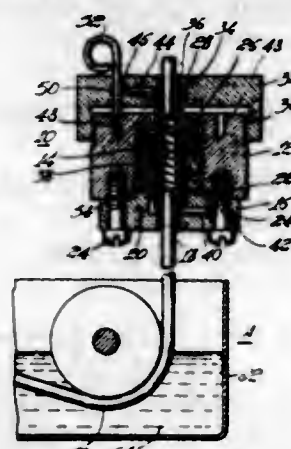
2,434,565

DEVICE FOR TREATING WIRE

Lawrence R. Hill, Wilkesburg, and John J. Keyes, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1945, Serial No. 591,072
5 Claims. (Cl. 91-53)

1. In a wiping device for controlling the amount and distribution of coatings applied to wire comprising a housing having a chamber therein, a helical spring member disposed in the chamber in the housing, one end of the helical member being fixed to the housing, an adjustable member fitted to the housing for rotatable motion with respect to the housing, the other end of the

helical member being attached to the adjustable member whereby the internal diameter of the helical member may be varied by rotating the adjustable member with respect to the housing,



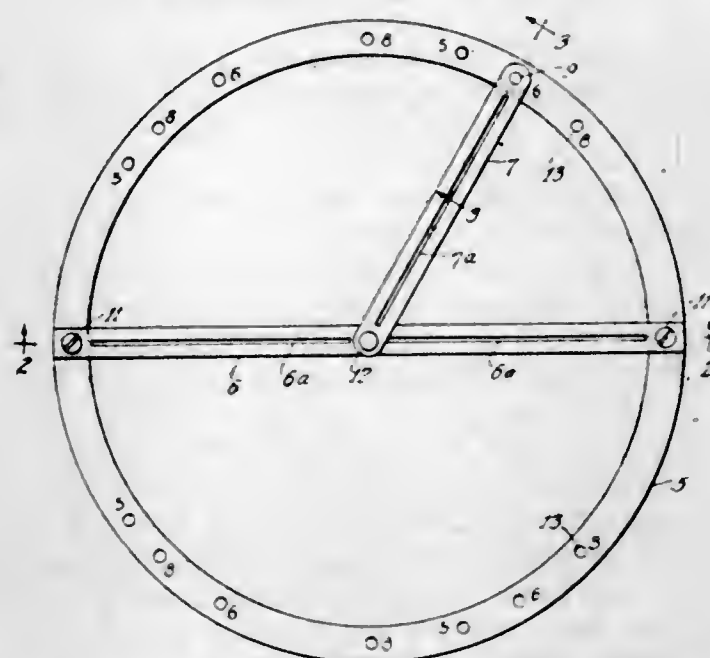
an elastomeric packing associated in pressure contact with the helical member to promote accurate wiping of the applied coatings, and apertures in the housing aligned with the helical member for passage of wire therethrough.

2,434,566

PASTRY SLICING GUIDE WITH PIVOTED GUIDE MEMBER

Edward C. Hulsmann, Chicago, Ill.

Application October 6, 1945, Serial No. 620,762
5 Claims. (Cl. 146-150)



1. A pastry slicing guide comprising a frame having a circular opening therein, a stationary slotted knife guiding member extending diametrically across the frame and secured thereto at both ends, a rotatable slotted knife guiding arm pivotally mounted on the knife guiding member at the center thereof, and cooperating means on the slotted arm and frame for locating the arm at equidistantly spaced places around the frame.

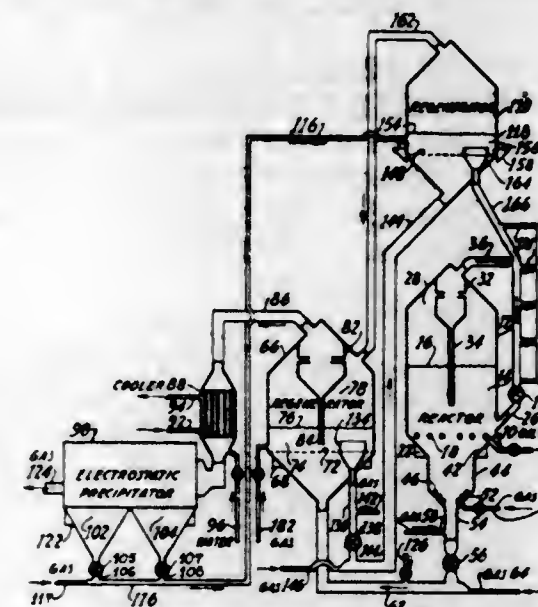
2,434,567

METHOD AND APPARATUS FOR CONTACTING HYDROCARBONS WITH CATALYST PARTICLES

Charles E. Jahnig, Roselle, and Charles W. Tyson, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 19, 1944, Serial No. 518,840
12 Claims. (Cl. 196-52)

11. A method of contacting hydrocarbons with catalyst particles which comprises contacting hydrocarbon vapors with catalyst particles in a contact zone, selecting the velocity of the hydrocarbon vapors to maintain the particles as a dense fluidized bed in said contact zone, withdrawing

fouled catalyst particles from the bottom portion of said contact zone, mixing regenerating gas with the withdrawn fouled catalyst particles and passing the mixture to a regeneration zone wherein the particles are at least partially regenerated before being returned to said contact zone, selecting the velocity of the regenerating gas to maintain the particles as a dense fluidized bed in said regeneration zone, withdrawing regenerated particles as a dense fluidized mixture from the bottom portion of the dense fluidized bed in said regeneration zone and passing them to said contact zone, removing regeneration gases



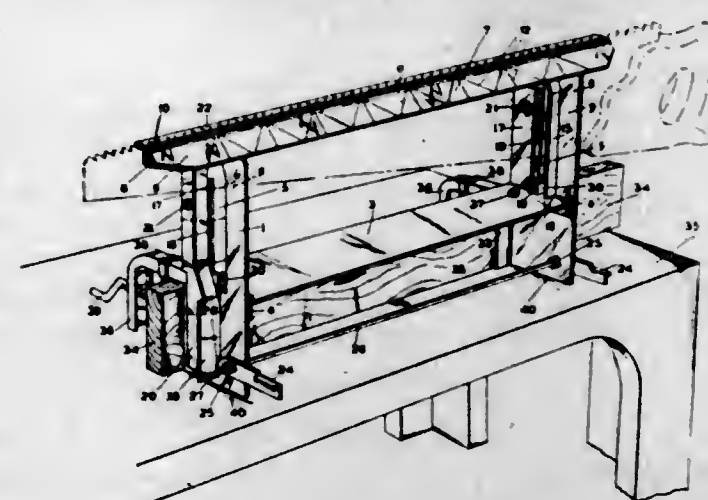
containing entrained particles overhead from said regeneration zone, passing the removed regeneration gases first to a separation step to recover some of the entrained particles and then to an electrostatic precipitation step to separate and recover the fine particles from the regeneration gases, mixing regenerating gas with the separated and recovered fine particles from said electrostatic precipitation step unmixed with particles recovered in said first separation step and passing the resulting mixture to the bed of fluidized particles in said regeneration zone below the level of the bed so that the fluidized bed acts to separate particles from the mixture.

2,434,568

SAW CLAMP

William P. Johnson, Oswego, Ore.

Application October 18, 1946, Serial No. 703,999
4 Claims. (Cl. 76-78)



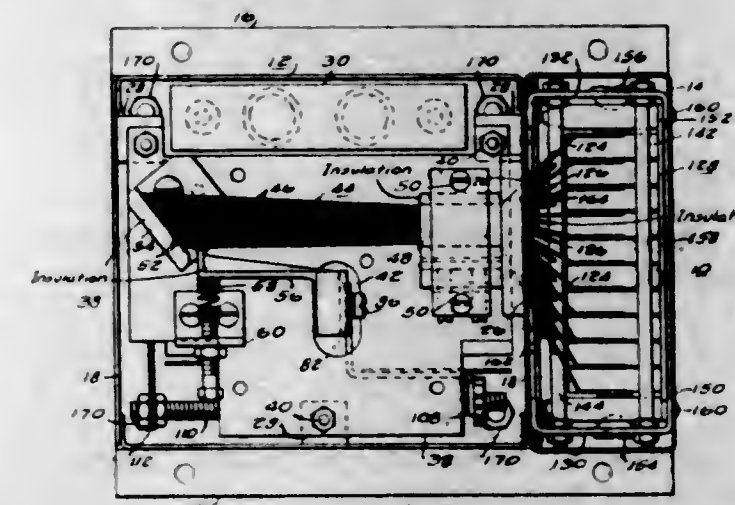
1. A saw clamp comprising a frame, the ends of which are bifurcated, a fixed clamping bar connected to the upper ends of the bifurcated ends of the frame, movable arms pivoted to the ends of the bifurcated frame, said arms having one side edge bent outwardly to form strengthening ribs, lugs extending from the arms to and between the bifurcated ends of the frame to prevent lateral bending of said arms, a clamping bar secured to the upper ends of the arms, and a pair of levers

pivotaly mounted on the ends of the frame, said levers having cams formed on their inner ends to engage the ribs on the arms to actuate the clamping bar carried by the pivoted arms.

2,434,569

VOLTAGE REGULATOR

Joseph F. Kovalsky, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 22, 1945, Serial No. 579,248
6 Claims. (Cl. 201-51)



1. In a voltage regulator for an alternating-current dynamoelectric machine having a variable frequency, in combination, contact members disposed for movement to and from contact making positions, a driver member disposed to be actuated to effect the movement of the contact members, a pair of electromagnets having substantially identical electrical characteristics, each of the electromagnets having a winding and a core member, the windings being connected in parallel circuit relation with each other disposed to be simultaneously and directly energized by alternating current in accordance with the operation of the dynamoelectric machine, the electromagnets being disposed in spaced relation and positioned in the reverse direction to each other whereby the core members move in substantially parallel paths but in opposite directions when the windings are simultaneously energized, a connecting arm pivotally disposed between and connected to the spaced core members, the connecting arm also being connected to the driver member to effect a movement thereof as the arm is pivotally moved, and a capacitor connected in series circuit with only one of the windings, each of the winding circuits comprising a non-resonant circuit, the capacitor functioning upon a change in frequency of the dynamoelectric machine to modify the effective impedance of the one winding circuit whereby the change in the magnetic pull of the one winding occasioned by the change in frequency is in opposition to the change in the magnetic pull of the other winding occasioned by the change in frequency.

2,434,570

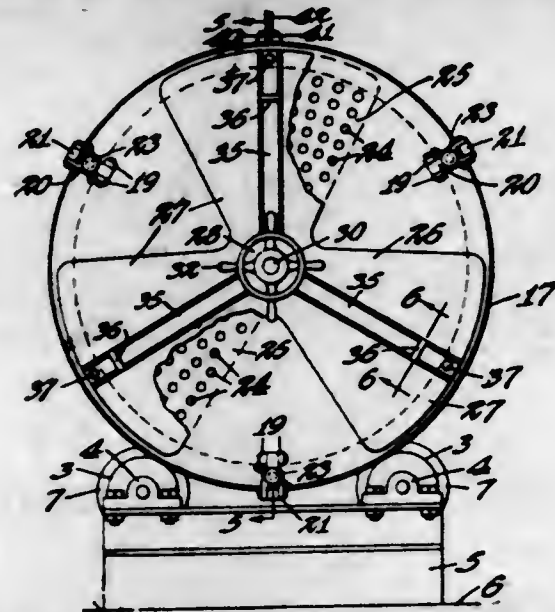
CLOTHES-WASHING MACHINE

John H. Leef, Minneapolis, Minn.

Application September 15, 1945, Serial No. 616,502
4 Claims. (Cl. 68-144)

2. In a washing machine, a horizontally disposed open ended drum, a circular loading and unloading door adapted to be removably secured in the open end of said drum, said door having a plurality of circumferentially spaced drainage ports therein, a valve plate normally overlying and closing said ports, means mounting said valve plate on said door for axial movements with re-

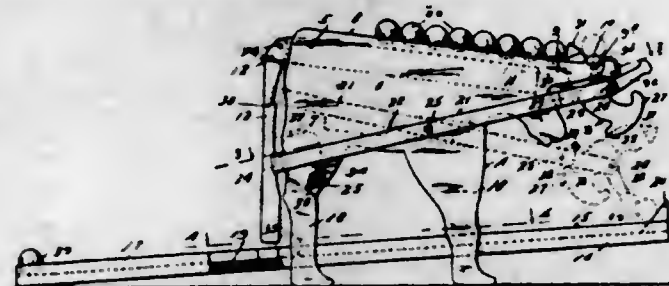
spect thereto to thereby open and close said ports, and means interposed between said door and said



valve plate normally tending to bias said valve plate out of contact with said door.

2,434,571 BALL ACTUATED TOY

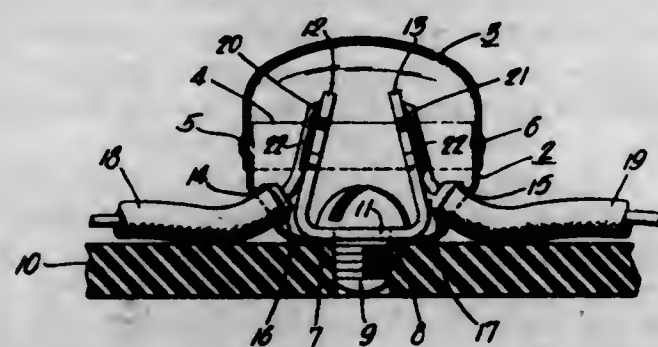
Sidney L. Long, Minneapolis, Minn.
Application August 29, 1945, Serial No. 613,283
6 Claims. (Cl. 46-43)



1. In a toy of the class described, upper and lower inclined runways, balls on the upper runway, said upper runway having at its low end a ball barrier, a carrier, means mounting the carrier for oscillatory movement between the low end of the upper runway and the high end of the lower runway, and a variable weight for operating said means to lift the carrier, said carrier being constructed and arranged to lift the foremost ball on the upper runway over the barrier during its upward movement, and catch and hold said ball, the weight of the ball held by the carrier being sufficient to operate said means and lower the carrier, said carrier being constructed and arranged to release the held ball and deliver the same to the lower runway at the time said carrier reaches its lowermost position.

2,434,572 CORONA SHIELD

Arthur H. Mankin, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 28, 1944, Serial No. 533,221
5 Claims. (Cl. 174-35)

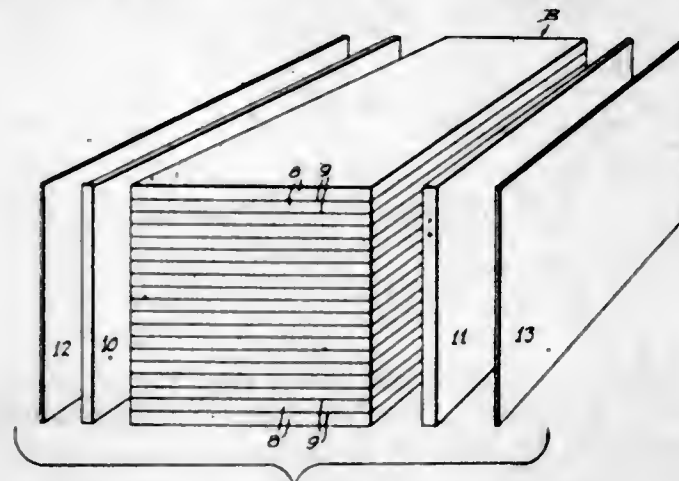


1. A device for connecting two high potential conductors together and for preventing corona

at the juncture thereof, comprising a two-part metallic shield, the parts of which are adapted for removable attachment one to the other, and are shaped to constitute a hollow enclosure when attached together, one of said parts being apertured to receive the ends of the conductors to be connected, and means for electrically connecting the ends of said conductors together and to said one part prior to the attachment of said parts, said shield serving to enclose the electrical juncture of said conductors when said parts are attached together and being maintained at the same electrical potential as the conductors.

2,434,573 RADIO FREQUENCY PARALLEL BONDING

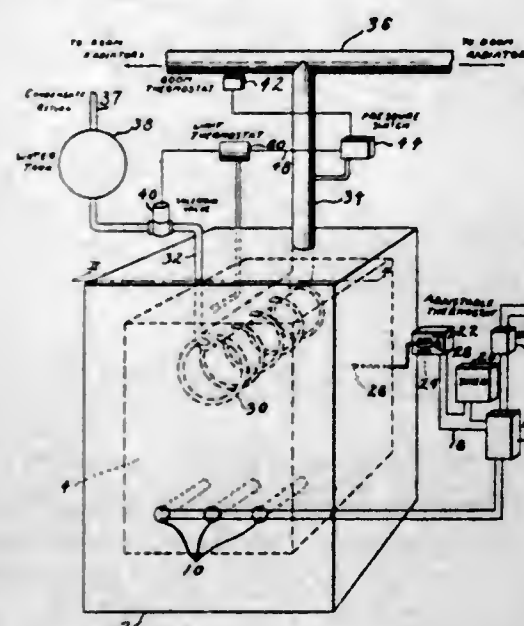
Julius W. Mann and George F. Russell,
Tacoma, Wash.
Application June 26, 1942, Serial No. 448,678
5 Claims. (Cl. 154-126)



1. The herein described step in a method of setting adhesives placed between pieces of material by the penetration of radio frequency lines of force which comprises placing the material with the adhesive in the radio frequency field so that the field lines of force parallel the planes defined by the adhesives so that a concentration of lines of force will pass through the adhesives for quickly drying them.

2,434,574 HEATING SYSTEM

Richard B. Marshall, Detroit, Mich., assignor to Electromaster, Inc., Detroit, Mich., a corporation of Michigan
Application May 8, 1946, Serial No. 668,269
4 Claims. (Cl. 219-39)

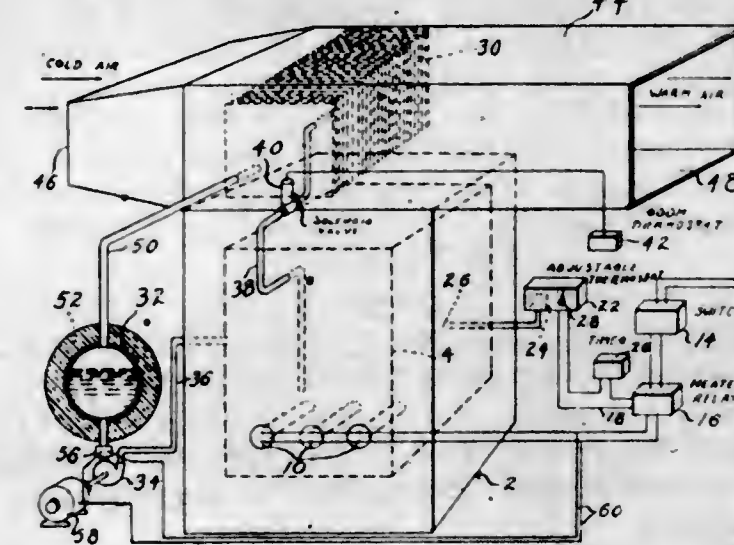


1. A heating system comprising a heat insulated boiler enclosing a fixed volume of high boiling point, heat storing fluid, electrical heater means for heating said fluid, electric circuit means for energizing said heater means includ-

ing a cyclically operating timing switch permitting energization of said heater means only during a predetermined portion of the cyclic period of said timing switch means, a heat transfer unit disposed in heat conducting relation to said heat storing fluid, means for supplying a second fluid in liquid state to said heat exchanger having a substantially lower boiling point than said heat storing fluid, room heating means supplied by heated second fluid from said heat transfer unit, and means for controlling flow of said second fluid into said heat transfer unit in response to room temperature, the heat input to said heat storing fluid during said predetermined portion of the cyclic period being proportioned to exceed the expected heat demand of said room heating means over the entire cyclic period and to raise the temperature of said first fluid substantially above the boiling point of said second fluid.

2,434,575 HEATING SYSTEM

Richard B. Marshall, Detroit, Mich., assignor to Electromaster, Inc., Detroit, Mich., a corporation of Michigan
Application May 8, 1946, Serial No. 668,270
10 Claims. (Cl. 219-39)



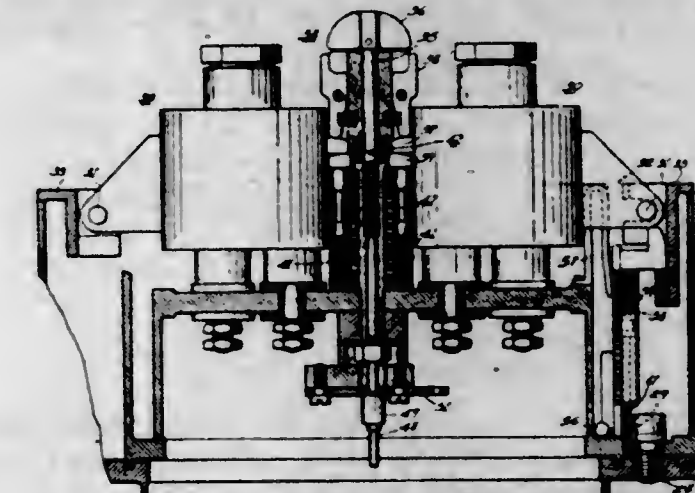
1. An electrical heating system comprising a heat insulated boiler defining a fluid storing chamber, a heat dissipating fluid circulation system supplied by said boiler and including a heat exchanger connected to receive hot fluid in vapor form from said boiler, a condensate collector, and a return conduit to said fluid storing chamber, valve means disposed in said circulation system intermediate said fluid storing chamber and said heat exchanger, means controlling the return of condensate to said fluid storing chamber to return such only during predetermined periods, room heating means heated by said heat exchanger, means responsive to room temperature for controlling said valve means, a fixed quantity of high boiling point, heat storing fluid disposed in said fluid circulation system, and electric heater means in said boiler for heating said fluid.

2,434,576 SOCKET COVER AND PLUG INTERLOCKING SWITCH

Phelan McShane and David E. Renshaw, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1945, Serial No. 608,585
10 Claims. (Cl. 200-50)

8. A control device including a receptacle compartment having a plurality of connector receptacles therein and a control compartment comprising an explosion-proof cover removably at-

tached to the receptacle compartment, a cable connector for each receptacle, cover plates for certain receptacles, clamping means for retaining a connector in or a cover plate over each receptacle, interlocking means controlling the operation of said clamping means, means on said



connectors and said cover plates for releasing said interlocking means, a control switch in the control compartment, and means on the clamping means for actuating said control switch when said connectors or cover plates are in their operating position.

2,434,577 HIGH-COMPRESSION MOTOR FUELS AND THEIR MANUFACTURE

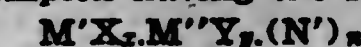
Pharis Miller, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 27, 1941, Serial No. 385,496
2 Claims. (Cl. 196-50)

1. The method of preparing a motor fuel with improved road octane rating and lead susceptibility, which comprises treating a cracked gasoline of high olefin content and containing substantial amounts of aromatic and naphthenic hydrocarbons to replace paraffinic components of a gasoline fraction boiling below 158° F. by monoolefins having 4 to 6 carbon atoms per molecule until said monoolefins constitute at least 75% by volume of said fraction and from 10 to 30% by volume of the fuel, hydrogenating the fraction of said gasoline boiling above 158° F. with hydrogen in the presence of a catalyst under suitable conditions to reduce the olefin content thereof to less than 10% by volume while maintaining the distillation characteristics substantially unaltered, and recombining the olefin-enriched fraction boiling below 158° F. with the hydrogenated fraction boiling above 158° F.

2,434,578 ANTI-KNOCK MOTOR FUEL

Pharis Miller, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 5, 1945, Serial No. 592,275
7 Claims. (Cl. 44-67)

1. An anti-knock motor fuel consisting essentially of a gasoline fuel containing a small amount of a stable complex having the formula



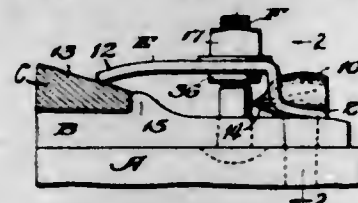
wherein M' and M'' represent different central heavy metal constituents selected from groups I, IV, VI, VII and VIII of the periodic table, X and Y are halogen atoms taken x and y times to satisfy ordinary valences of M' and M'', respectively, and (N') represents molecules selected from the group consisting of carbon monoxide, NO, CN, nitrogen bases and an oxide of said metals having

coordinate linkages to the metal constituents, and n represents a number of such molecules corresponding to an available coordination valence of said metals.

2,434,579

RAIL RETAINING AND SPIKE FASTENING MEANS

George W. Muller, Miami Beach, Fla.
Application April 3, 1944, Serial No. 529,316
2 Claims. (Cl. 238-349)

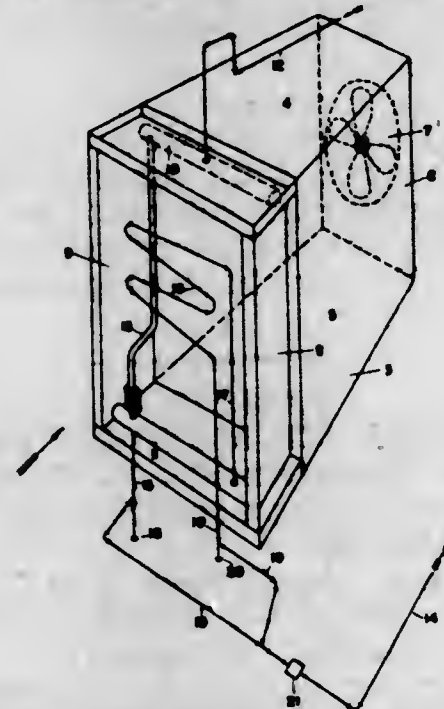


1. A one-piece resilient spring steel spike holding clamp plate comprising a first end portion to be seated upon a railway track element, a second end portion to be seated upon the head of a spike, and a medial portion to be fastened under downward flexure to a tie plate to cause said second end portion to exert constant downward pressure upon the spike and thus prevent upward loosening thereof relative to a tie into which it is driven, said second end portion being stepped downwardly relative to said medial portion, and a substantially vertically disposed leg portion connecting said second end portion with said intermediate portion and through which force is transmitted from said medial portion to said second end portion and the spike, said second end portion including a side portion to seat upon the tie plate to hold the clamp plate against sidewise tilting movement.

2,434,580

PURGE ARRANGEMENT FOR HEATING COILS

Milner Noble, Syracuse, N. Y., assignor to Aerofin Corporation, Syracuse, N. Y., a corporation of New Jersey
Application April 8, 1944, Serial No. 530,203
6 Claims. (Cl. 237-67)



5. A piping arrangement for purging non-condensable gases from a steam heating coil including a coil having a supply header and a return header, means for supplying steam to the supply header, a return line, a connecting line having a trap device therein and connecting said return header and return line, a purge line connected to said trap device and connecting said return header and return line, said purge line having a portion thereof positioned in the path of an air stream passing through the coil.

2,434,581

ABRASIVE SHEET HOLDER

Oscar Ottoson, New York, N. Y.
Application April 7, 1945, Serial No. 587,050
6 Claims. (Cl. 51-187)



1. A surfacing device comprising a flat base, end walls extending above said base, a pair of spring pressed wire clamping members pivoted at their ends in said walls, a handle pivotally supported from said walls, said members formed with a loop intermediate the length thereof, and means slidably carried by said handle engageable in said loops for raising said members against the spring tension.

2,434,582

PRODUCTION OF VULCANIZABLE ISOBUTYLENE-ISOPRENE COPOLYMERS

Reuben F. Pfennig, Goose Creek, and Melvin H. Gertz, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1944, Serial No. 570,467
1 Claim. (Cl. 260-93)

In a process for producing a vulcanizable polymer wherein a chilled mixture consisting of isobutylene, isoprene, and aluminum chloride catalyst dissolved in methyl chloride is produced in free space and reacts to form vulcanizable polymer in said free space, the steps of intimately admixing in a falling stream in free space a chilled stream consisting of about 98 parts of said isobutylene and about 2 parts of said isoprene and a chilled stream consisting of said aluminum chloride catalyst dissolved in said methyl chloride in a concentration in the range from 1.0 to 1.4 grams of catalyst per liter of solution to form a reaction mixture, forming vulcanizable polymer in the falling stream, and maintaining the concentration of polymer in the reaction mixture at no greater than 8% by feeding reactants in the ratio range of 0.217 to 0.253 gram of aluminum chloride per kilogram of hydrocarbons.

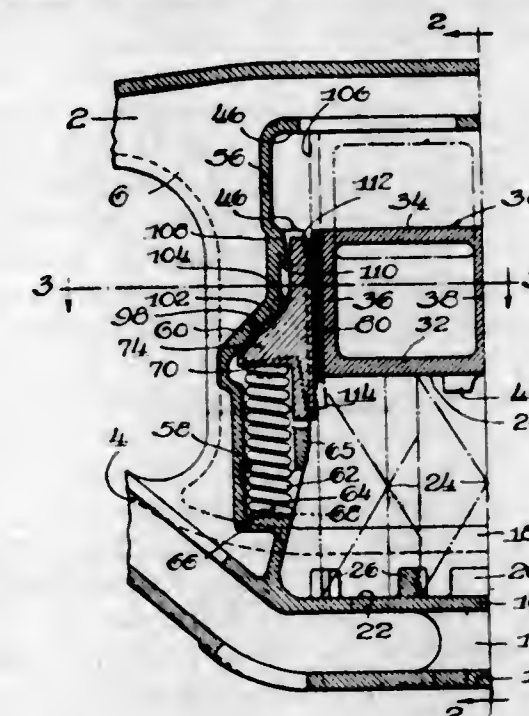
2,434,583

SNUBBED QUICK WHEEL CHANGE TRUCK

Raymond C. Pierce, Chicago, Ill.
Application October 2, 1944, Serial No. 556,709
21 Claims. (Cl. 105-197)

3. In a railway car truck, a side frame having spaced columns defining in part a bolster opening, a bolster spring-supported in said opening, snubbing means housed in each column including an auxiliary spring, a friction shoe having

flat face engagement with the adjacent bolster side wall and having an arcuate wedge face bearing against a diagonal portion of a web of the enclosing column, the bearing of said shoe against said web being eccentric with respect to

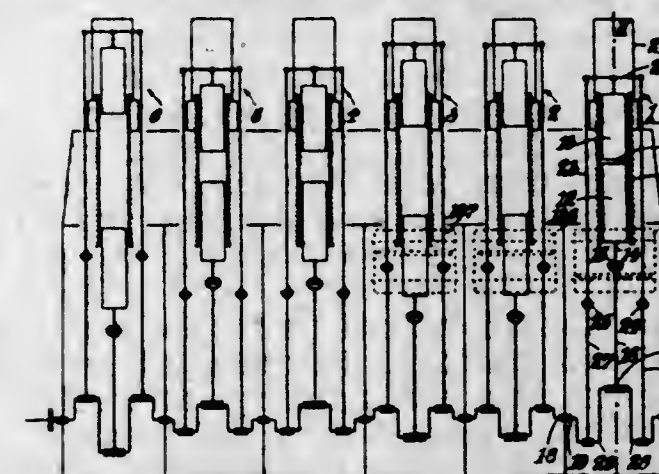


the axis of said auxiliary spring, whereby said spring may automatically tilt said shoe about said bearing to a fixed position in said column as said bolster is elevated to the top of said opening, and interengaging means on said shoe and said web limiting the tilting movement thereof.

2,434,584

MULTIPLE CYLINDER OPPOSED PISTON AND PUMPS

William Hamilton Purdie, Sunderland, England, assignor to William Doxford & Sons Limited, Sunderland, England, a British company
Application July 6, 1945, Serial No. 603,422
In Great Britain July 18, 1944
9 Claims. (Cl. 123-51)

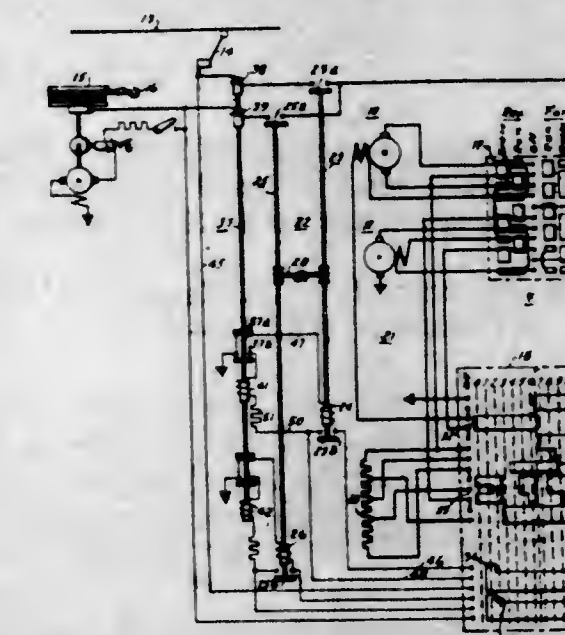


4. In a six-cylinder single-crankshaft 2-stroke-cycle single-acting internal-combustion engine of the opposed-piston vertical type having crossheads operatively connected to said opposed pistons and having engine units numbered 1 to 6 consecutively, said engine units having a crank sequence of 1-4-2-6-3-5, the combination of a plurality of sets of rocking levers, three double-acting scavenge pumps having a relatively large bore and short stroke, pistons in said pumps, piston rods formed with crossheads connected to said pump pistons, suction and delivery valves in said pumps, an air receiver in the entablature of said engine, pipes connecting said delivery valves to said receiver, an air intake to which said suction valves are connected, links connecting said rocking lever sets to said pump crossheads, together with links connecting said rocking lever sets to the crossheads of said lower opposed pistons of said engine units numbered 4, 5 and 6, respectively.

2,434,585

CONTROL SYSTEM FOR VEHICLES WITH MULTIPLE CURRENT SOURCE

David E. Renshaw, Forest Hills, and Herman C. Krapf, Wilkesburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 16, 1943, Serial No. 514,498
11 Claims. (Cl. 191-3)

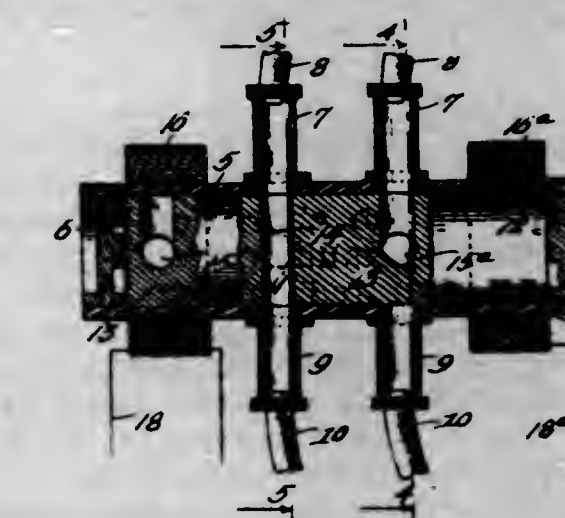


1. In a control system for a power circuit of a machine disposed to be energized from a source of electrical energy through a controller and either of a pair of current conducting means, transfer switch means comprising a single connection between the controller and each of the current conducting means operable to different positions to connect the power circuit to one or another of the current conducting means depending upon which is connected to the source, and circuit means for effecting operation of the switch means to connect the power circuit to the source through the current conducting means including contact means on the controller for completing and interrupting an operating circuit for the switch means when in response to predetermined operations of the controller as it passes a predetermined position wherein the power circuit is set up by the controller.

2,434,586

ELECTROMAGNETIC PULSATOR VALVE

Harold B. Reynolds, Oneida, N. Y.
Application February 6, 1945, Serial No. 576,456
4 Claims. (Cl. 31-58)



1. An electromagnetic pulsator valve for milking machines, comprising a cylindrical non-magnetic casing having lateral inlet and outlet nipples and provided at a point between said nipples with a lateral air inlet port, tubes for respectively connecting the inlet and outlet nipples to a teat cup and a suction line, a cylindrical magnetic slide valve reciprocable in said casing and having

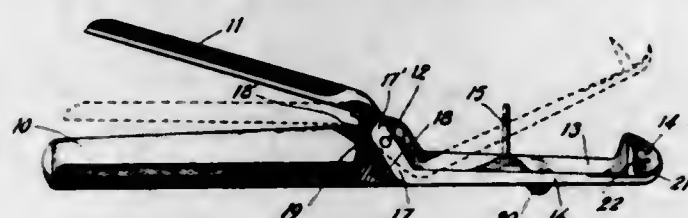
transverse passages arranged to respectively connect said nipples and to place the inlet nipple in communication with the air inlet port when the valve member is at its opposite limits of movement, and magnetic coils carried by and disposed about opposite ends of said casing and adapted to be alternately energized and de-energized for reciprocating said valve member.

2,434,587

SLAUGHTERING TOOL FOR DRY PICKING POULTRY

Patrick F. Riordan, Summit Hill, Pa.; Margaret Balliet, administratrix of said Patrick F. Riordan, deceased, assignor to F. S. Riordan, Lansford, Pa.

Application January 7, 1946, Serial No. 639,597
6 Claims. (Cl. 17-11)



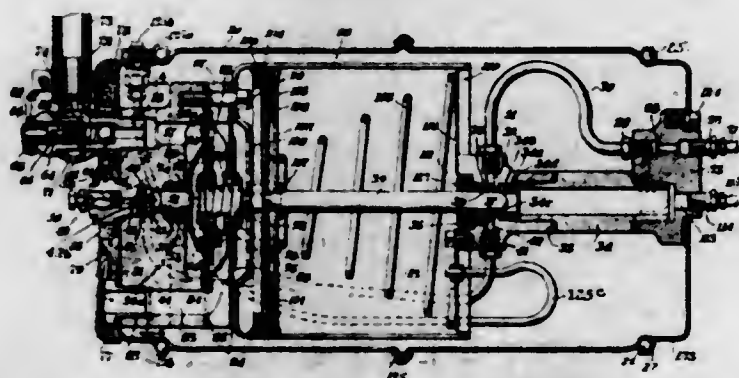
1. A tool for humanely and cleanly slaughtering poultry of any kind, comprising a pair of jaw members pivoted together about midway of their length, the rear portions of which are operating handles, means for keeping the jaw members normally closed and abutment means limiting the opening thereof, means on one of said jaw members for limiting the extent of insertion of the tool in the mouth of a bird and firmly holding its head from moving and other means for piercing and cutting the roof of the mouth at the end of the other jaw member.

2,434,588

POWER SYSTEM

Edward A. Rockwell, Forest Hills, N. Y., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut

Application November 8, 1938, Serial No. 239,436
8 Claims. (Cl. 60-54.5)



3. In a device of the character indicated, a manually operated hydraulic pressure generator, an hydraulically operated motive means, hydraulic connection means between said generator and said motive means whereby the latter may be operated by hydraulic pressure generated by said generator, a hydraulic pressure intensifier for intensifying the pressure generated by said generator on said motive means, said intensifier including a vacuum chamber, a fluid pressure actuated member in said chamber and submerged in the vacuum thereof, a normally open vacuum valve for controlling vacuum communication with one side of said fluid pressure actuated member, a normally closed atmospheric valve for controlling atmospheric connection to said one side of said fluid pressure actuated member, said valves being relatively movable whereby both

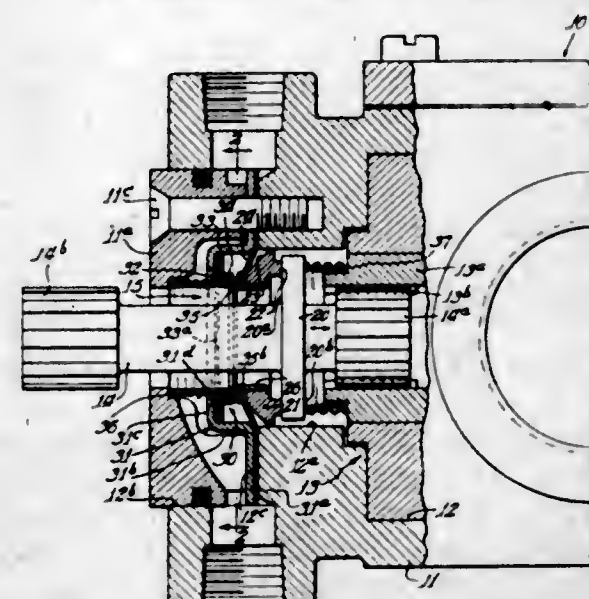
valves may be simultaneously closed and any attained pressure thereby maintained on said one side of said fluid pressure actuated member, valve actuating means including hydraulic pressure actuated means subject to the pressure on said one side of said fluid pressure actuated member, an hydraulic connection from said hydraulic pressure actuated means to said manually operated pressure generator whereby pressure generated by the latter will serve to actuate said hydraulic pressure actuated means and whereby said hydraulic connection will transmit to said manually operated hydraulic pressure generator a pressure substantially directly proportional to the pressure on said one side of fluid pressure actuated member.

2,434,589

PUMP SHAFT SEAL

Jay M. Roth, Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application October 16, 1944, Serial No. 558,840
3 Claims. (Cl. 286-11)



1. In a fluid seal for a rotary shaft having a radially extending flange intermediate the terminals thereof; a diaphragm supported seal and bearing ring, said ring having a radially extending bearing surface engaging said flange; means defining a universal joint-like assembly normally engageable by said seal and bearing ring on the axially opposite side thereof from said flange, said universal joint-like assembly being effective to provide for limited variations in the position of the axis of said shaft; resilient means biasing said flange against said sealing ring; and relatively weaker resilient means biasing said sealing ring toward said flange from the opposite direction whereby the shaft may have limited axial movement in a direction toward the first resilient means while maintaining sealed bearing contact between said flange and sealing ring.

2,434,590

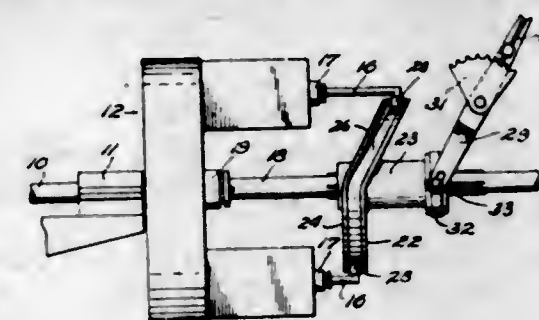
HYDRAULIC TRANSMISSION

Oliver F. Runde, Columbus, Ohio

Application January 30, 1946, Serial No. 644,344
5 Claims. (Cl. 192-59)

1. A hydraulic power-transmitting mechanism comprising a rotatably supported driven member formed with a circular fluid-receiving piston chamber, the latter communicating with a pair of diametrically opposed and laterally situated valve compartments, a drive member disposed in axial relation to the driven member, a piston formed for rotation with said drive member and occupying said piston chamber, slidable valves positioned for movement within said compartments, a cam

wheel rotatable with said drive member and longitudinally movable thereon, means for adjusting the longitudinal operating positions of the cam wheel in relation to the drive member, and shaft means actuated by the cam wheel for alternately



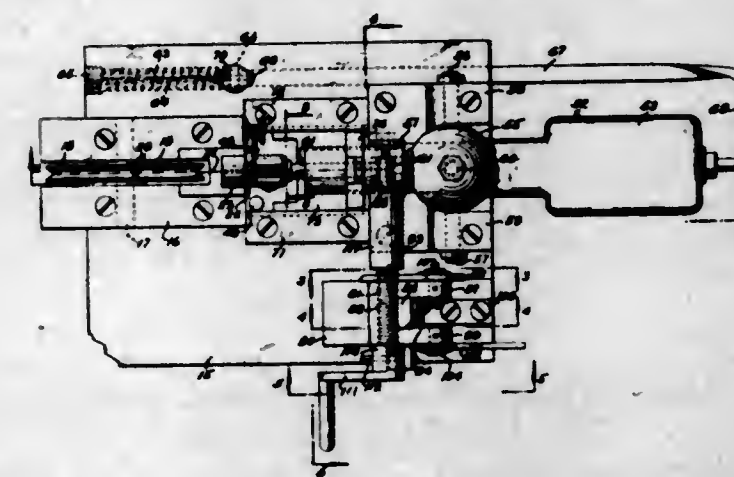
reciprocating said valves into and out of said piston chamber in synchronized relation with the rotation of said piston and maintaining the synchronized relation at any longitudinal operating position of the cam wheel.

2,434,591

COIL-WINDING APPARATUS

Cyril L. Schaefer, Chicago, and Nils H. Swanson, Zion, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 27, 1945, Serial No. 601,824
9 Claims. (Cl. 140-1)



1. In a coil winding apparatus, a rotary mandrel for supporting a core, means for rotating said mandrel, a wire delivering sheave, wire skinning means positioned coaxially with respect to the wire intermediate the sheave and mandrel, means for reciprocating the skinning means longitudinally of the wire, and means operable for engaging the skinning means with the wire and for rotating said skinning means about said wire during reciprocation of said skinning means for removing insulation from the wire.

2,434,592

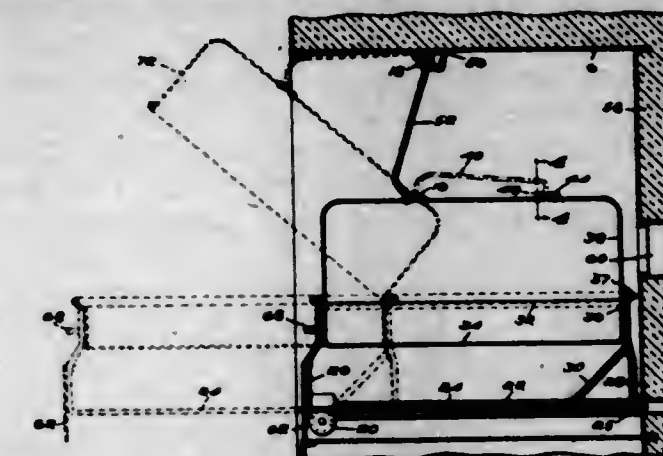
SELF-RAISING LID FOR USE WITH COOKING OVENS

Frank H. Schneider, Gardner, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts

Application September 9, 1944, Serial No. 553,401
5 Claims. (Cl. 126-19)

2. In combination, a cooking oven, a pan in said oven, a cover for said pan pivotally related thereto at its inner end, means for raising said cover as said pan is withdrawn from said oven, said means comprising a link pivotally connected to the top of said cover forward of the middle thereof and detachably and pivotally connected to the roof of said oven whereby movement of said pan from said oven will progressively raise the outer end of said cover from said pan, and additional means on the top of said cover for

connecting thereto the upper end of said link when the link has been detached from the means



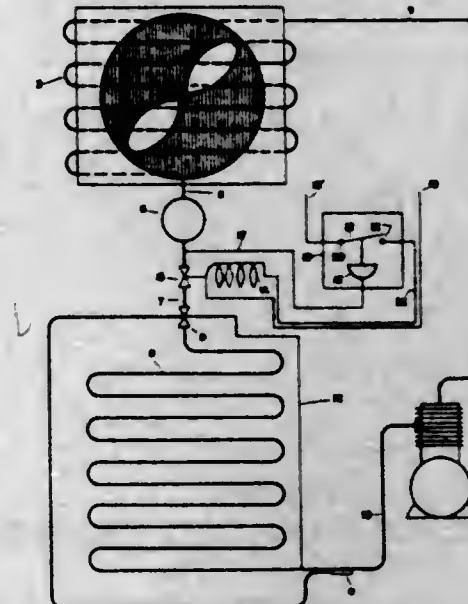
normally connecting said link to the top of said oven.

2,434,593

REFRIGERATION SYSTEM INCLUDING A LOAD CONTROL APPARATUS

Edward L. Schulz, Lakewood, Ohio, and Edward A. Bailey, Marietta, N. Y., assignors to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application February 2, 1946, Serial No. 645,185
3 Claims. (Cl. 62-2)



1. In a refrigeration system, the combination of a compressor, a condenser connected to the compressor, an expansion valve, a discharge line connecting the expansion valve and the condenser, an evaporator connected to the expansion valve, a suction line connecting the evaporator and the compressor, means disposed adjacent the suction line for governing operation of the expansion valve, a solenoid valve disposed in the discharge line adapted to prevent passage of refrigerant to the expansion valve, and means to operate the solenoid valve in response to an increase in condenser pressure above a predetermined level.

2,434,594

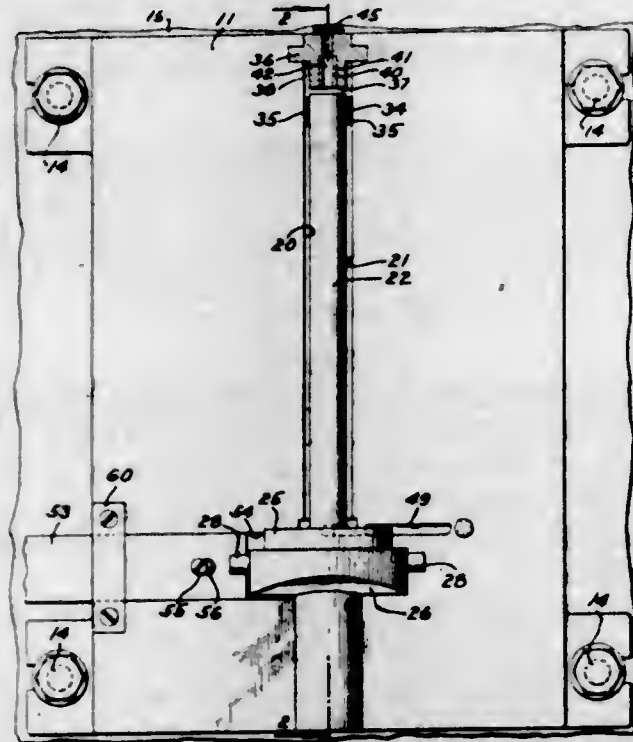
MOLDING APPARATUS

Frank A. Schultz, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 6, 1944, Serial No. 557,400
2 Claims. (Cl. 18-42)

2. In a sectional molding die for molding hollow articles, cooperating stationary and movable die sections having formed jointly therein a die cavity, a core mounted in and spaced from the wall of said cavity at one end, said core having an enlarged die and base portion at its opposite end normally supported in enlarged portions of said cavity, said core base portion and said stationary die section having cooperating extensions and recesses, respectively, so arranged that said

core may be mounted only in one operative position, a lever pivoted on said movable die section bearing at its inner end on one of said extensions for freeing the core from said movable die section upon separation of said die sections, an apertured member surrounding and slidable upon said spaced core end and externally upon the wall of said cavity for maintaining said core end in predetermined position in said cavity during the

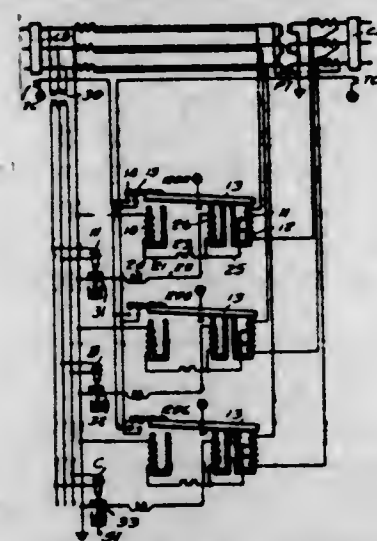


molding of an article, and a die member mounted upon and between said die sections and having a portion adjacent an end face of said spaced core end, said portion of said die member being spaced from said die sections to provide a recess for receiving said member as it moves off said core at the completion of the molding of an article by the pressure of the molding material thereagainst entered in said cavity.

2,434,595

MAGNETIZING-INTRUSH TRIPPING SUPPRESSOR

William Knox Sonnemann, Roselle Park, and Myron A. Bostwick, Budd Lake, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 6, 1943, Serial No. 509,242
15 Claims. (Cl. 175-294)



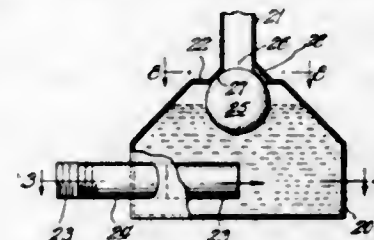
15. Protective relaying equipment for a polyphase electrical apparatus of a type which is subject to transient fault-simulating conditions when the apparatus is unfaulted, said relaying equipment comprising the combination, with the protected apparatus, of a fault-responsive relay having electrical energizing-means for rendering it responsive to a fault-condition in the protected apparatus, transiently operative suppressor-means for rendering said fault-responsive relay relatively ineffective, said suppressor-means including means for selectively responding to any

direct-current component existing in an alternating electrical quantity of the protected apparatus, and a relay-means, energized responsively to a polyphase voltage of the protected apparatus, for at times rendering said suppressor-means inoperative.

2,434,596

AIR ELIMINATOR

Benjamin Spleth, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application April 15, 1944, Serial No. 531,256
6 Claims. (Cl. 237-63)

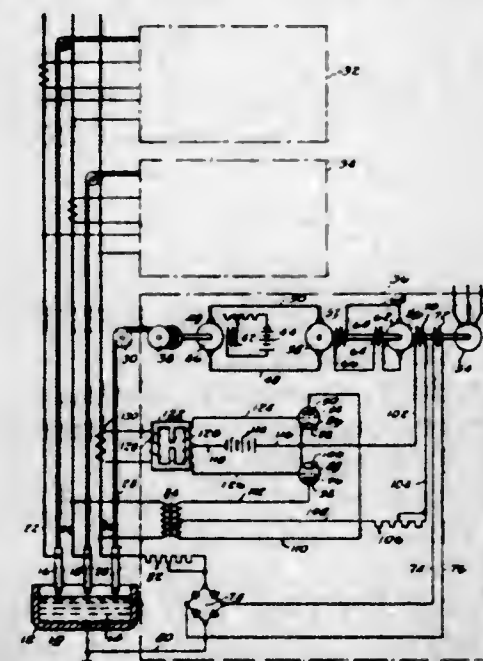


4. An air eliminator for hot water systems comprising an air separator having a cylindrical wall and a dome rising therefrom, an inlet pipe arranged tangentially to the cylindrical wall of the receptacle, an outlet pipe leading from the receptacle on a line offset with respect to the center of the receptacle, said inlet and outlet pipes being interposed in the piping of a hot water system, the dome of said receptacle having an air discharge port, an air discharge pipe leading from said air discharge port, a compression tank into which the air discharge pipe discharges air, said air discharge port having an imperfect valve seat, and a float valve adapted to seat upon said valve seat, said valve being responsive to the rise and fall of the level of the water in the receptacle.

2,434,597

ARC FURNACE ELECTRODE FEED REGULATOR SYSTEM

Paul B. Steed, Detroit, Mich., and Cyril C. Levy, deceased, late of Wilkinsburg, Pa., by Helen A. Levy, executrix, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1944, Serial No. 565,722
5 Claims. (Cl. 314-75)



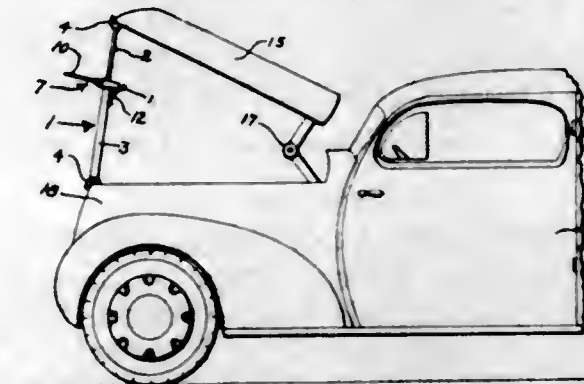
1. In a furnace-regulator system, the combination with a movable electrode, a motor for operating the electrode, and a main generator for supplying energy to the motor, of means for governing the operation of the motor to regulate the arc, said means comprising an exciter generator connected for exciting the main generator, a pair

of oppositely energized control field windings for the exciter generator, means for energizing one of said pair of control field windings with a current that is a measure of the voltage across the arc, and means for energizing the other one of said pair of control field windings with a current that is a measure of the power factor of the arc.

2,434,598

HOOD HOLDER

Frank D. Stegall, Tusculum, Ala.
Application October 27, 1944, Serial No. 560,602
1 Claim. (Cl. 248-355)



A hood holder of the character described comprising a longitudinally extensible rod including tubular, telescopically connected male and female sections, yokes fixed on the outer ends of said sections, an eye fixed on the inner end portion of the female section, a bolt mounted in said eye, a substantially U-shaped clutch mounted for swinging movement on the bolt and embracing the male section, an arm fixed on the clutch, a coil spring having one end connected with the female section and its other end connected to said arm for engaging the clutch with the male section for frictionally securing said male section in adjusted position in the female section, the female section having a recess in its inner end portion accommodating the clutch, and a handle integral with one end of the clutch and projecting in substantially the opposite direction from the arm, said handle providing means for manually disengaging the clutch from the male section against the tension of the coil spring.

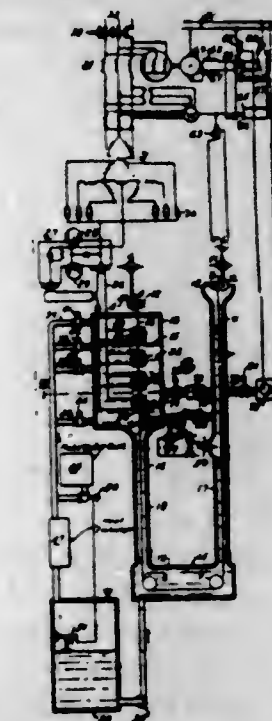
2,434,599

OIL-BATH TIN-PLATE FLOWING APPARATUS AND THE LIKE

Glenn E. Stoltz, Pittsburgh 18, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 20, 1943, Serial No. 472,924
7 Claims. (Cl. 266-3)

4. In combination, a liquid-bath means, work-feeding means adapted to rapidly move a flexible elongated member, in the direction of its length, through the liquid-bath means, said liquid-bath means having guide-means therein for so guiding said elongated member as to provide a substantially vertically extending, downwardly moving portion of said elongated member which moves downwardly through the top surface of the liquid-bath into the bath, and an upwardly moving portion of said elongated member which moves upwardly through the top surface of the liquid-bath out of the bath, means for heating the upper portion of the downwardly moving portion of the elongated member, liquid-circulation cooling-means for causing an intermediate portion of the elongated member, within the liquid bath, to be bathed by a continuously flowing supply of cool liquid, and means for keeping the bath-liquid relatively quiescent in at least the upper part of the bath-portion which is traversed by said up-

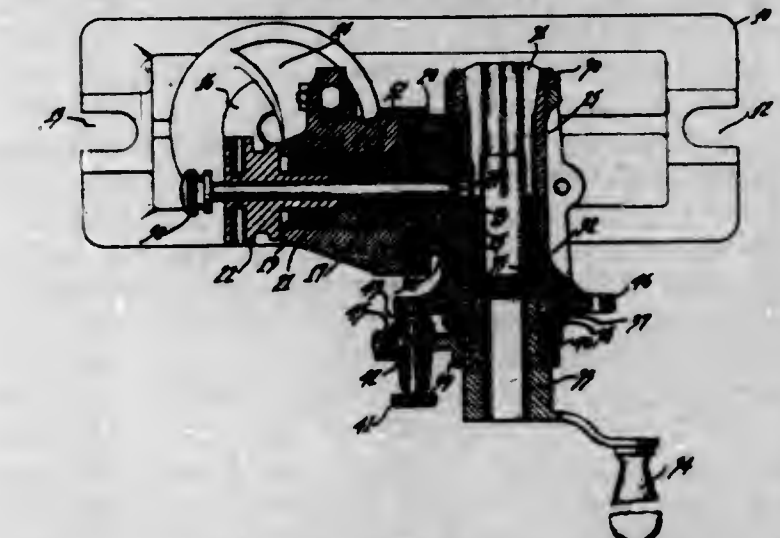
wardly moving portion of the elongated member, whereby the liquid in said quiescent part of the bath is heated to a temperature approaching



2,434,600

UNIVERSAL GRINDING FIXTURE

Helge N. Swenson, Union, N. J.
Application March 5, 1946, Serial No. 652,112
7 Claims. (Cl. 51-217)

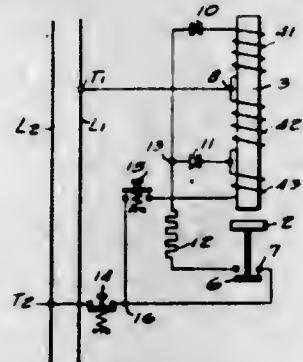


1. A universal work supporting member comprising a base, a bracket mounted for rotation about a vertical axis on said base, said bracket having a bore extending therethrough, a T-shaped member supported in said bore for rotation about a horizontal axis, means for fixing said bracket against rotation about said vertical axis, and other means for fixing said T-shaped member against rotation about said horizontal axis, said T-shaped member having a bore extending through the head thereof, a sleeve extending through said last bore for rotation therein, a collet received within one end of said sleeve and a crank member received in the other end of said sleeve, said crank member and said collet having portions engaged with each other, said collet, sleeve, and crank member normally rotating together, said collet having longitudinal movement with respect to said sleeve upon relative rotation of said crank member and collet for adjusting said collet, means supported by the leg of said T-shaped member for engaging said sleeve to prevent rotation thereof, whereby said collet and crank may have relative rotation with respect to each other, and means for preventing relative rotation between said collet and said sleeve but permitting relative longitudinal movement.

2,434,601

ELECTROMAGNETIC DEVICE

Owen L. Taylor, Wilkesburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1947, Serial No. 731,467
6 Claims. (Cl. 175-335)

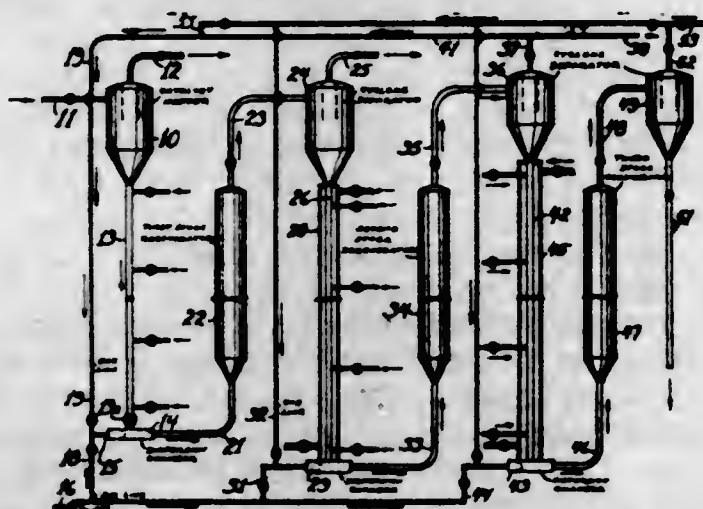


1. An electromagnetic device for alternating-current operation, comprising a magnetic circuit having a substantially E-shaped and substantially non-remnant magnet structure with a center leg and having an armature biased away from said structure, a normally open holding contact controlled by said armature, two series-connected coils disposed on said center leg for cumulative magnetization of said magnetic circuit, two rectifiers series-connected with each other across said two coils so as to form a closed circuit together with said coils, a normally closed stop contact, two alternating-current terminals connected to said closed circuit at midpoint between said rectifiers and a midpoint between said coils respectively, said holding contact and said stop contact being series-arranged relative to each other and interposed between said terminals and said closed circuit, said rectifiers having mutually opposing polarity relative to said terminals and said closed circuit being rated for providing unidirectional magnetization of said magnetic circuit in an amount less than required for picking up the relay but sufficient for holding it picked up, and a normally open start contact connected on the one hand to a circuit point between said stop contact and said holding contact and on the other hand to a point of one of said coils spaced from said coil midpoint so as to pass alternating current through the latter to provide pick-up magnetization for the relay.

2,434,602

REGENERATION OF SOLID MATERIALS

William I. Thompson, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 12, 1941, Serial No. 378,584
3 Claims. (Cl. 252-242)



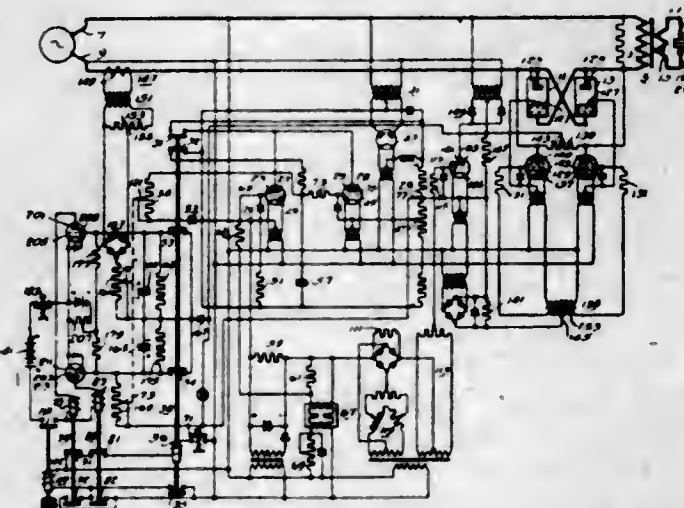
2. A method of regenerating finely divided contact material containing combustible deposits which comprises passing said contact material

through a regenerating zone, contacting said material within said regenerating zone with a regenerating gas containing free oxygen, controlling conditions within said regenerating zone to partially regenerate said contact material, thereafter separating in a separating zone the partially regenerated contact material from the regenerating gas, removing from the separating zone the partially regenerated contact material so separated, cooling and passing the same through a second regenerating zone separate and independent from said first-named regenerating zone and from said separating zone, contacting in concurrent flow said material within said second zone with a second stream of regenerating gas containing free oxygen to further regenerate said contact material and separating the regenerated contact material from said last-named regenerating gas.

2,434,603

ELECTRONIC CONTROL CIRCUIT

Edwin H. Vedder, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 24, 1945, Serial No. 579,535
8 Claims. (Cl. 250-27)



2. A control system for use in supplying current through a load from an alternating voltage source through electric valve means, comprising control means for rendering said valve means effective to supply current through the load for a timed period including means for initiating said timed period, means adapted to be coupled to the circuit through said load for developing a first voltage which varies as the product of the load current and the time of flow thereof, means for developing a second standard voltage which is substantially equal in magnitude at any instant following operation of said initiating means to the magnitude of said first voltage which would be established at said instant by a load current of a desired value which flows for a desired period of time, and means for continuously comparing said first and second voltages including means responsive to a predetermined difference in said first and second voltages for preventing further operation of said control means.

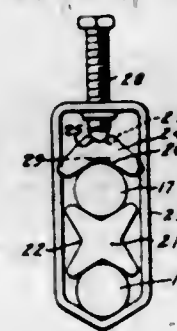
2,434,604

SWITCHGEAR APPARATUS

Charles P. West, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 11, 1943, Serial No. 513,985
3 Claims. (Cl. 173-269)

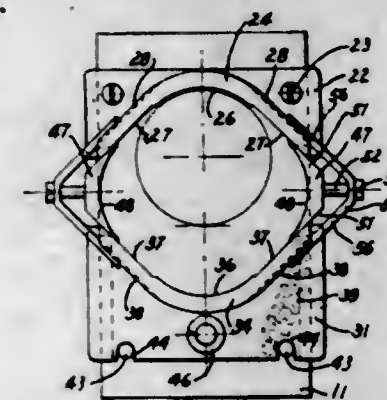
1. In a connector for connecting a conductor to a contact stud having a plurality of conductor engaging surfaces of a V-shape at one end thereof, a connector yoke disposed on said end of the stud, a reversible clamping block slidably dis-

posed in said yoke and guided by the sides thereof, said block having conductor engaging surfaces of a V-shape on opposite sides, said sur-



faces being of different areas, and a screw disposed in said yoke to engage the block, thereby securing the stud and the conductor together and retaining the yoke on the stud.

member for forming a complete circle about the mass, and means carried by the support for trans-



ferring the mass while it is in a shaped and compressed condition from said compressing and shaping means to the container.

2,434,605

METHOD FOR CONSOLIDATING FORMATIONS

Gilbert G. Wrightsman, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 8, 1943, Serial No. 478,471
1 Claim. (Cl. 166-22)

A method for consolidating an incompetent formation penetrated by a borehole comprising the steps of introducing into the borehole a liquid composition comprising aniline and carbon bisulfide which will form a solid reaction product and a gaseous reaction product under the temperature and pressure conditions of the formation by a single delayed action, the combined volume of the solid product and gaseous product being greater than the volume of the liquid composition introduced, forcing said liquid composition into said formation and retaining it in the formation until solid reaction product and gaseous reaction product have been deposited therein.

2,434,606

METHOD OF PREPARING SUCCINONITRILE

Erwin L. Carpenter, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 18, 1945, Serial No. 611,451. In Canada February 2, 1942
20 Claims. (Cl. 260-464)

1. The method which comprises condensing hydrocyanic acid and acrylonitrile in the presence of an alkaline condensing agent to form succinonitrile.

2,434,607

EXPANSIBLE AND CONTRACTIBLE MEANS FOR COMPRESSING AND SHAPING A YIELDING PLIANT MASS

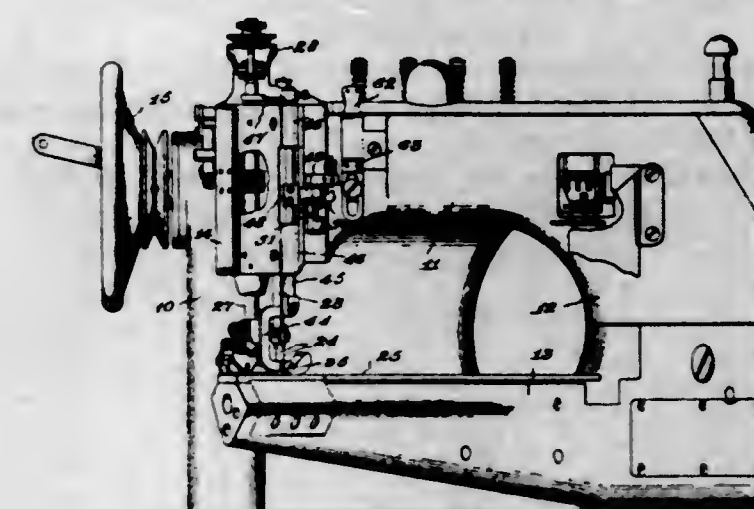
Eben Hunter Carruthers, Ithaca, N. Y.
Application November 23, 1942, Serial No. 466,697
6 Claims. (Cl. 226-101)

1. A mechanism adapted to act upon a yielding pliant mass so that the mass may be shaped and compressed to fit a container of circular section comprising, in combination, a support, means carried by the support for compressing and shaping the mass to a diameter slightly less than that of the container, said means comprising a pair of compressing and shaping members one of which is fixed and the other of which is movable with respect to the support supplemental compressing and shaping elements actuated by said movable

2,434,608

SEWING MACHINE

Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application December 8, 1943, Serial No. 513,336
17 Claims. (Cl. 112-244)



1. In a sewing machine, stitch forming devices including a reciprocable needle, work feeding means, presser means for yieldingly urging work against said work feeding means, means for controlling the supply of needle thread to said needle comprising a thread engaging and shifting element having an invariable extent of movement and an adjustable controlling member operable in conjunction therewith, and means associated with said presser means responsive always to the thickness of the work at a point less than a stitch length from the point at which the needle penetrates the work and cooperating with said controlling member to adjust the same and thereby increase the length of the available needle thread upon an increase in the thickness of the work in the course of the same stitch forming cycle in which it is required.

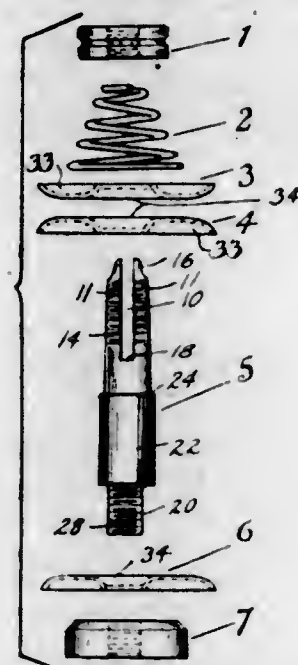
2,434,609

HAND KNITTING OR CROCHETING DEVICE

Anne Coffey, New York, N. Y., assignor to Coffey Creations, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 649,607
3 Claims. (Cl. 68-125)

1. A hand knitting and crocheting device comprising a shaft formed with an axial slot, a portion of the shaft formed with the slot being threaded, yarn guides comprising, respectively,

plane central surfaces and dish-shaped yarn guiding surfaces, a spring to urge the yarn guides

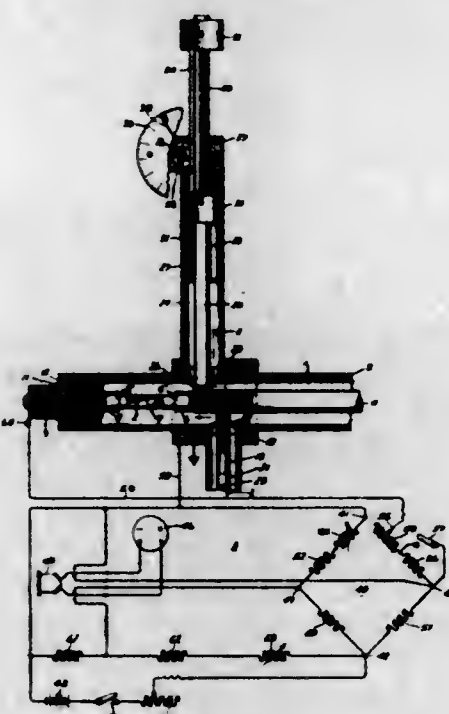


into contact with one another, and a nut-like member to control the tension of the spring.

2,434,610

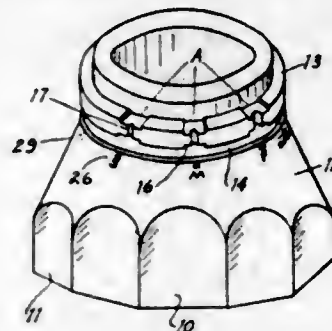
MICROWAVE POWER MEASURING INSTRUMENT

George E. Felker, Jr., Albany, N. Y., assignor to General Electric Company, a corporation of New York
Application June 19, 1944, Serial No. 540,945
10 Claims. (Cl. 171-95)



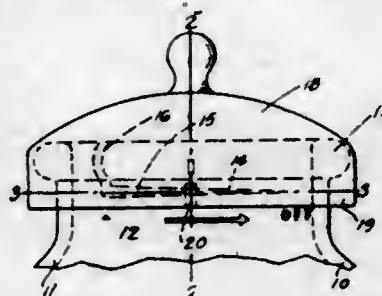
1. In combination, an ultra high frequency transmission line along which an electromagnetic wave to be measured is propagated, a first means connected in series with said line for producing a voltage varying in accordance with the power of said wave, second means connected across said line for eliminating residual susceptance of the portion of said line including said first means at the point of connection of said second means thereto, the length of said line between said first and second means being sufficient to transform the conductance of said first means to match the characteristic conductance of said line at a predetermined frequency, and adjustable means connected across said line at a point between said first and second means to provide for variations in said conductance matching produced by variations in the frequency of said wave.

2,434,611
NURSING BOTTLE
Dorman E. Hamiel, Columbus, Ohio
Application April 17, 1944, Serial No. 531,319
4 Claims. (Cl. 215-11)



1. In combination with a bottle having an open neck, an integral annular rib projecting from the outer surfaces of said neck, said rib being provided with a plurality of spaced vents, each of said vents embodying recessed upper and lower portions united by a connecting passageway, the passageway of each vent differing in cross-sectional area from the corresponding passageways of the remaining vents, and a nipple of flexible material applied to the open neck of said bottle, said nipple embodying an outer band having close elastic engagement with the outer surfaces of said neck and its vented rib, the interior of said band being formed with a single set of vertically aligned vents adapted for selective registration with any one of the multiple vents of said rib, whereby to provide channels of restricted cross sectional area for conducting atmospheric air to the interior of the bottle and nipple when the latter occupies its applied position on the bottle.

2,434,612
AIR-VENTED NURSING BOTTLE
Dorman E. Hamiel, Columbus, Ohio
Application September 23, 1944, Serial No. 555,422
5 Claims. (Cl. 215-11)

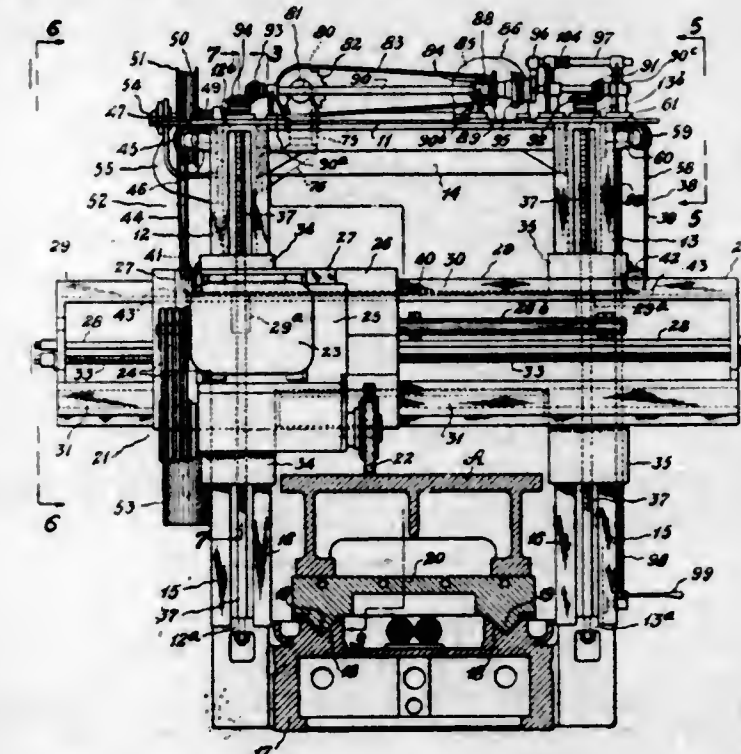


1. A nursing bottle having a nipple-receiving neck member, a nipple member of flexible material adapted for yielding and close-fitting engagement with said neck, one of said members being formed with a tapering channel, and a vent passage provided in the other of said members extending perpendicular to said channel and adapted for registration with different portions thereof upon rotational adjustment of said members, whereby to regulate volumetrically the amount of air entering the interior of said bottle through said vent passage and channel.

2,434,613
COUNTERBALANCING MECHANISM FOR MACHINE TOOLS
Lad L. Hercik, Lakewood, Ohio
Application December 31, 1945, Serial No. 638,529
21 Claims. (Cl. 51-166)

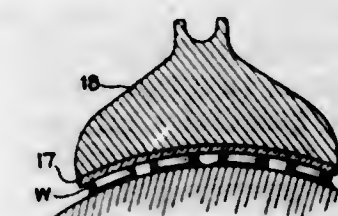
1. Apparatus of the character described, including: a housing, a tool head mounted for vertical movement on the housing, means for moving the tool head, cable means mounted on the housing, tensioning means applied to and

tending to move one end of the cable means, means associated with the tool head engaging the cable means for applying the cable tension to the tool head in a direction tending to counterbalance the weight of the tool head, and means



associated with the cable means intermediate its ends adapted, when the tool head is moved, to control the movement of the tensioned end of the cable means and limit its movement to a rate substantially lower than the rate of movement of the tool head.

2,434,614
THERMOPLASTIC SYNTHETIC RESIN OPTICAL LAP
Lester M. Hicks, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 11, 1944, Serial No. 563,024
7 Claims. (Cl. 51-303)

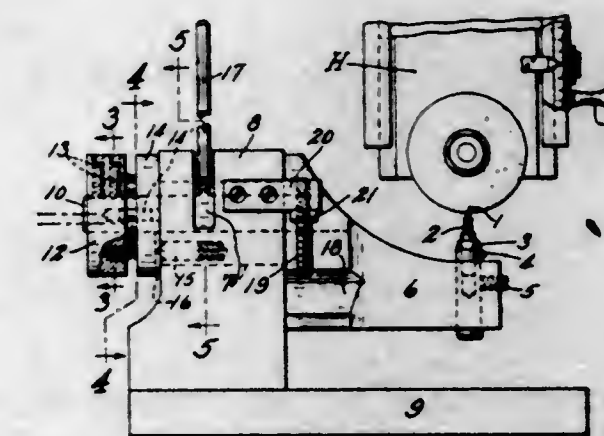


1. An abrading lap for the cold working of solid optical material for producing an optical surface thereon having a working surface consisting of a thermoplastic cellulose derivative molding composition.

2,434,615
DRESSING DEVICE FOR GRINDING WHEELS
William Walter Hopkins, Springfield, Mass.
Application May 17, 1945, Serial No. 594,352
5 Claims. (Cl. 125-11)

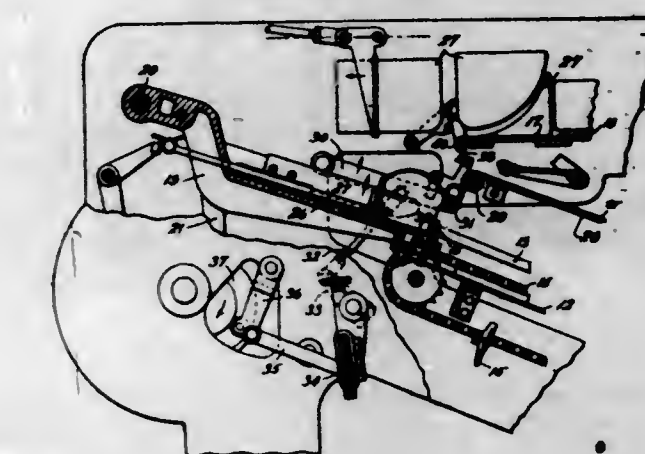
1. A device for dressing grinding wheels, comprising a cylindrical body provided with an end to end cylindrical bore with the axis of the bore offset by an amount equal to the desired radius of a groove to be dressed in a grinding wheel and said axis also parallel to the cylindrical body axis, a tool support to hold a cutting tool point on the axis of said bore to swing in a plane at right angles to the line of such axis, a shaft mounted in said bore and carrying said tool support for its swinging movement, a frame with bearing means to mount said cylindrical body,

means to rock the cylindrical body about its axis to move the axis of said shaft in an arc having



a radius equal to the amount of the shaft axis offset from the cylindrical body axis.

2,434,616
PAPER FEED FOR WRAPPING MACHINES
William Hoppe, Longmeadow, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application February 13, 1946, Serial No. 647,224
1 Claim. (Cl. 93-2)



The combination with a wrapping machine of the type having a carrier movable between an in-feeding station and a delivery station, a constantly rotating frictional surfaced web feed roll located adjacent the path of the carrier and between said stations, and a draping roll movable between the feed roll and the carrier, of mechanism constraining the draping roll for movement from an initial position adjacent the web feed roll towards the in-feeding station as the carrier moves away from it, whereby the formation of slack between the carrier and the web feed roll is prevented, then for movement in the same direction as the carrier to reduce the pull of the web on the article being wrapped, then for movement towards the in-feeding station to draw out a length of web, and finally for movement to its initial position.

2,434,617
METHOD OF WRAPPING ROUND CAKES
William Hoppe, Longmeadow, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application July 26, 1946, Serial No. 686,526
2 Claims. (Cl. 93-2)

1. A method of wrapping a round article with a flat top and bottom which comprises folding a heat sealing wrapper over one flat surface of the article and overlapping its margins on the other flat surface to form an open tube projecting beyond the article at both ends, folding the projecting ends of the tube, so that the folds lie tan-

gential to the round surface of the article, and rolling the wrapped article in contact with a



heated surface to heat seal the wrapper and cause it to conform closely to the round surface of the article.

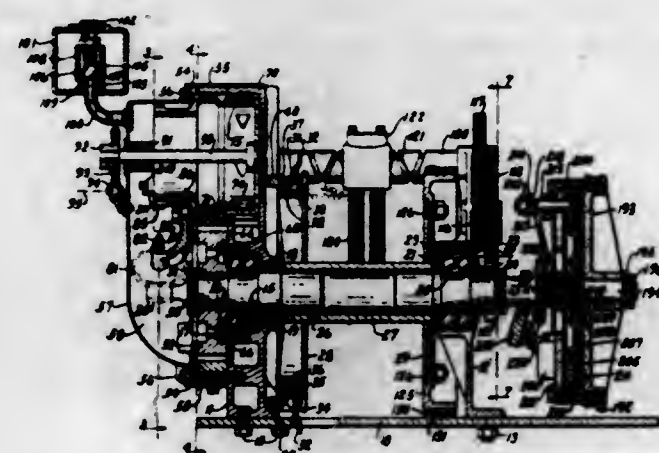
2,434,618

AIRCRAFT PICKUP AND ARRESTING DEVICE

Ralph L. Kerr, Houston, Tex., assignor of one-half to Theodore N. Law, Tulsa, Okla.

Application June 8, 1944, Serial No. 539,324

4 Claims. (Cl. 258—1.2)



4. A pickup device of the character described which comprises a reel for receiving a length of tow cable thereon adapted to be unreel as the pickup is made, hydraulic brake means for controlling the unwinding of said reel to provide increasing resistance thereto with substantially uniform acceleration of the load, a friction brake for stopping the rotation of said reel, means operable when the reel retains a predetermined minimum amount of said cable for effecting the application of said friction brake, a source of power, clutch means for coupling said source of power to said reel for rewinding said cable during the towing operation to establish a desired spacing between towing plane and the load, and means operable upon engagement of said clutch for releasing said friction brake.

2,434,619

OVEREDGE SEWING MACHINE

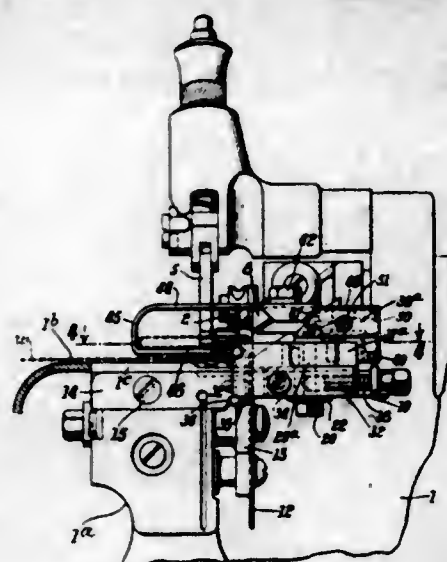
Nicholaus Knaus, Cranford, and Percival J. Anton, Elizabeth, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 6, 1945, Serial No. 626,936

13 Claims. (Cl. 112—177)

1. An overedge sewing machine combining overedge stitch-forming mechanism including a reciprocating needle and a cooperating looper, a work-trimming mechanism, a work-feeding mechanism for feeding a workpiece to the trimming and stitch-forming mechanisms, a hem-folding member located in advance of said stitch-forming and feeding mechanisms, and a horizontally floating guide-member cooperating with the hem-folding member to present to said mechanisms a work-

piece having a marginal portion thereof folded in S-shape with the lower fold in the line of



needle penetration and with the projecting upper ply in the line of trimmer operation.

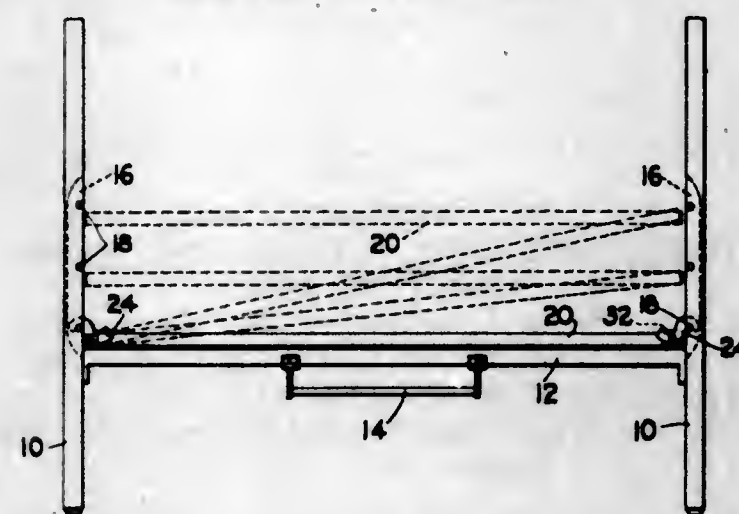
2,434,620

CRIB SPRING

Henry J. Landry, South Ashburnham, and Rubert C. Bockus, Gardner, Mass., assignors to Gem Crib and Cradle Company, Gardner, Mass., a corporation of Massachusetts

Application April 6, 1945, Serial No. 586,841

2 Claims. (Cl. 5—11)



2. In combination with posts each having a series of vertically spaced horizontally arranged pins, a spring frame, pivoted hooks at the corners of the frame for selective engagement with the pins, each hook extending above the frame so that the latter is suspended thereon, each hook having an extension for manually pivoting the hooks away from the pins, each said extension being located above the hook pivot and in position to strike the frame during the pivoting action of the hook and acting as a stop to limit the pivoting movement of the hooks away from the pins.

2,434,621

SOLVENT FOR RAYON AND RAYON TREATING SOLUTION

Charles L. Mantell, Manhasset, N. Y., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application September 19, 1945,

Serial No. 617,449

11 Claims. (Cl. 106—203)

1. An aqueous solution for treating rayon made from about 7 to about 15% by weight of alkali metal hydroxide, about 4 to about 10% by weight of urea, and about 2% to the saturation percentage by weight of zinc oxide, said saturation percentage of zinc oxide being that amount above which zinc oxide will precipitate from the aqueous solution containing said alkali metal hydroxide, urea, and zinc oxide in the said amounts.

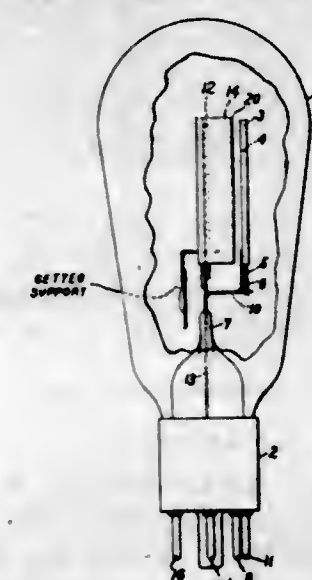
2,434,622

LIGHT SENSITIVE ELECTRIC DISCHARGE DEVICE

Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 24, 1942, Serial No. 459,532

20 Claims. (Cl. 250—171)



1. A light sensitive electric discharge device comprising a plurality of electrodes within an enclosing receptacle, said electrodes comprising an elongated thermionic cathode, an elongated anode and a photo-emissive electrostatic control member of substantially semi-cylindrical configuration in spaced relation between said cathode and said anode with the open side of said member towards said anode and provided with at least one aperture therein to permit the establishment of an electric discharge between said cathode and said anode.

2,434,623

SIMULTANEOUS ALEKYLATION AND DESULFURIZATION

Jacob R. Meadow and William A. Stover, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application June 29, 1944,

Serial No. 542,817

12 Claims. (Cl. 196—50)

8. In the process for producing gasoline by cracking a relatively high sulfur stock containing alkalatable constituents and separating a fraction boiling within the motor fuel range the improvement which comprises admixing hydrocarbon material containing alkylating constituents and having a relatively high sulfur content with hydrocarbons containing alkylatable constituents to form a cracking stock, at least one component of said cracking stock having a boiling range about 400° F. treating said cracking stock with sufficient liquid hydrogen fluoride to ensure liquid phase separation of hydrogen fluoride to obtain treated desulfurized stock and cracking said treated stock.

2,434,624

PERFORATOR FOR PRINTING PRESSES

Henning E. Peterson, Duluth, Minn.

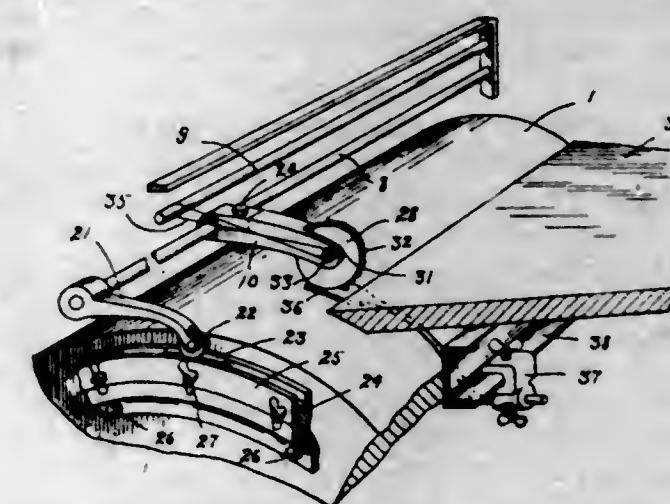
Application May 16, 1946, Serial No. 670,233

2 Claims. (Cl. 164—100)

1. In a cylinder printing press having a feed table, two parallel shafts spaced above the cylinder of said press, parallel therewith and spaced forwardly of the forward edge of said table, means for rotating one of said shafts coincident with the rotation of said cylinder, a perforating disc supported by the other of said shafts, adjustable

606 O. G.—23

longitudinally thereof and extending towards the forward edge of said feed table, means for rotating said disc from said rotative shaft, and an



apertured foot plate for cooperative engagement with said disc and adjustable longitudinally of said cylinder.

2,434,625

PREPARATION OF ALKALI METAL ASCORBATES

Simon L. Ruskin, New York, N. Y., assignor to Frances R. Ruskin

No Drawing. Application November 1, 1944,

Serial No. 561,505

3 Claims. (Cl. 260—344.5)

1. Process for the manufacture of alkali metal ascorbates of crystalline character which in the solid condition are stable in air over long periods of time, which comprises reacting a solution of ascorbic acid in substantially anhydrous methyl alcohol with a member of the group consisting of alkali metal alcoholates and inorganic bases of the alkali metals.

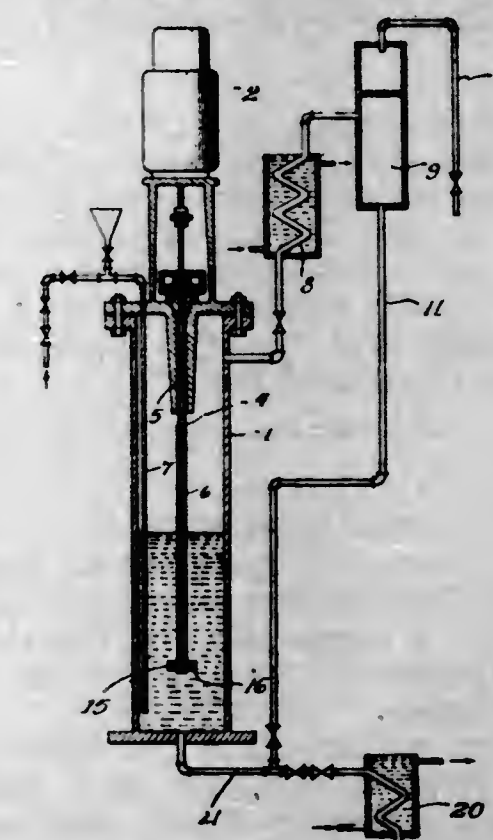
2,434,626

PROCESS FOR MAKING VANILLIN

Jörgen Richter Salvesen, David L. Brink, and Donald G. Diddams, Wausau, and Peter Owzarski, Rothschild, Wis., assignors to Salvo Chemical Corporation, Rothschild, Wis., a corporation of Wisconsin

Application January 22, 1945, Serial No. 574,023

8 Claims. (Cl. 260—600)



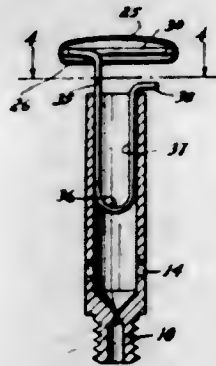
1. The process of making vanillin which comprises heating under autogenic pressure a liquor containing lignosulfonic acid compounds and caustic alkali to a temperature from 160° to 170°

C. and continuously introducing oxygen into said liquor until 25 to 35 grams of oxygen per 100 grams of lignin present in the original liquor is consumed.

2,434,627

PILOT BURNER GUARD

Albert C. Schickler, Cleveland, Ohio, assignor to The Ajax Thermostatic Controls Co., Cleveland, Ohio, a corporation of Ohio
Application November 19, 1945, Serial No. 629,357
3 Claims. (Cl. 158-113)

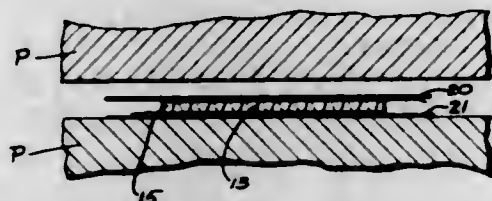


2. A guard for an upright pilot burner tube comprising a button cap substantially larger in diameter than the diameter of the tube and having an intumed flange, a wire support having a loop yieldingly engaging within the flange, and having a horizontal portion extending toward the center of the loop and integral with a downwardly extending loop adapted to project into and yieldingly engage the interior of the tube, and a shoulder formed on the latter loop engaging the top of the tube to space the flanged cap member above it to provide flame burning space between the tube and cap member.

2,434,628

METHOD OF MAKING STRAIN GAGES

Edward E. Simmons, Jr., Pasadena, Calif.
Application November 18, 1943, Serial No. 510,827
2 Claims. (Cl. 201-63)



1. The method of manufacturing an electrical resistance device of the type having a continuous solid resistance filament consisting of wrapping said filament around a piece of plastic material, then placing an etchable membrane over said material, and finally applying heat and pressure to the membrane and material so as to embed the filament in the plastic material.

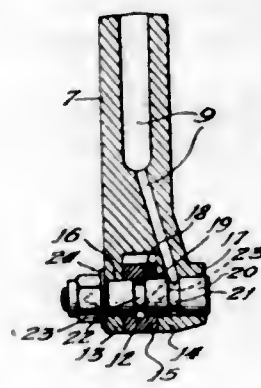
2,434,629

FLUID JOINT

Asa J. Taylor, Zion, Ill., assignor, by mesne assignments, to Trifam Manufacturing Company, Maywood, Ill., a corporation of Illinois
Application January 24, 1944, Serial No. 519,478
5 Claims. (Cl. 285-96.3)

1. A structure comprising a plurality of members having lapping portions, and fluid-joint means for hinging said members together comprising a hinge pin located in certain of said lapping portions and in fluid-joint-forming relation to certain of said members; said members having fluid passages opening to said pin and said pin having fluid passages through which

fluid may flow from one to the other of said members in the various positions of said mem-

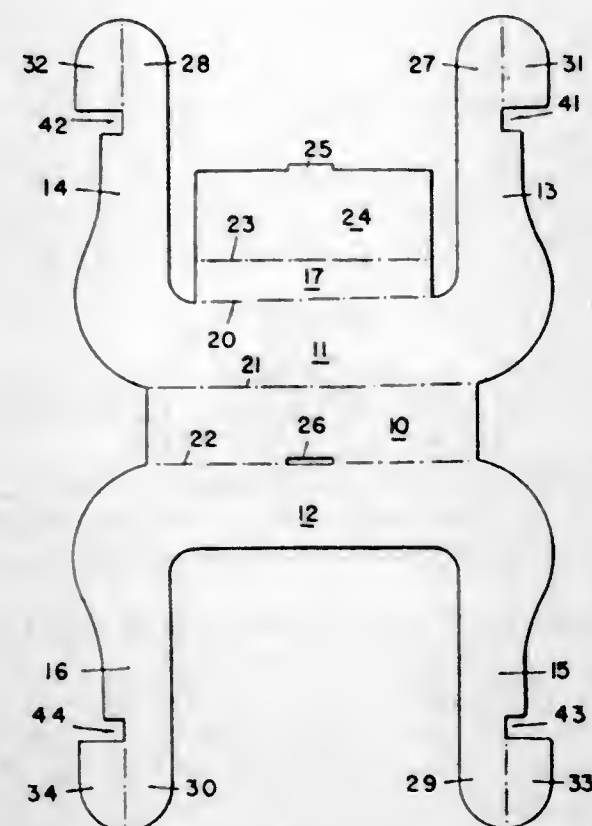


bers relative to each other angularly about the longitudinal axis of said pin.

2,434,630

HANDLE FOR CARDBOARD AND FIBRE BOXES AND THE LIKE

Robert Van Rosen, New York, N. Y., assignor to Techniques, Inc., a corporation of New York
Application September 23, 1946, Serial No. 698,853
9 Claims. (Cl. 16-111)



8. In a handle for a box having slots, two bars, legs extending from the ends of the bars, an intermediate member articulated to and connecting the bars, tongues at the ends of the legs extending through the box slots, and wings articulated to the tongues and within the box.

2,434,631

HYDROLYSIS OF ACETONE AUTO-CONDENSATION PRODUCTS

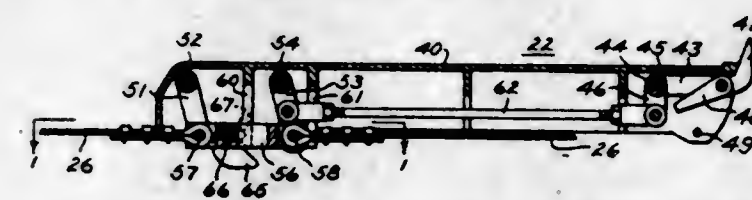
De Loss E. Winkler, Berkeley, and William J. Raab and Seaver A. Ballard, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 10, 1945, Serial No. 577,352
12 Claims. (Cl. 260-586)

1. A process of hydrolysis which comprises contacting a mixture of vapors of acetone auto-condensation products of higher boiling point than isophorone and at least an equal volume of added steam, with an adsorptive alumina catalyst at a temperature of 175 to 525° C.

2,434,632

COOLING BED

Richard W. Young, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application May 3, 1944, Serial No. 533,823
5 Claims. (Cl. 80-48)



2. A cooling bed comprising a series of skids for the reception of hot metal bars, a go-devil frame movable forwardly and rearwardly adjacent said skids, a dog mounted on the frame,

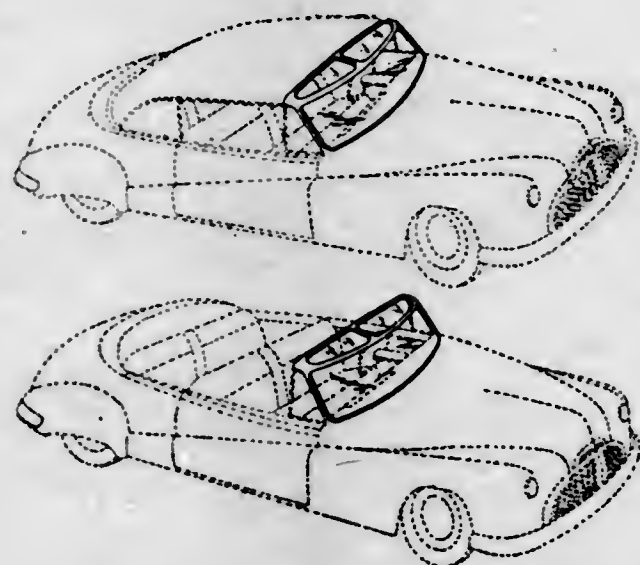
actuating means movable forwardly and rearwardly adjacent the frame, means providing a lost motion connection between the actuating means and the frame, means providing a positive connection between the actuating means and the dog to lower the dog below the tops of the skids when the lost motion is taken up during rearward travel and to raise the dog above the tops of the skids when the lost motion is taken up during forward travel to push a bar broadside along the skids, a movable device associated with the lost motion connection and adapted to prevent the taking up of the lost motion during forward travel of the go-devil and thereby to maintain the dog below the tops of the skids, and means to move the device into operative position automatically upon movement of the go-devil rearwardly beyond a predetermined position.

DESIGNS

JANUARY 13, 1948

148,346

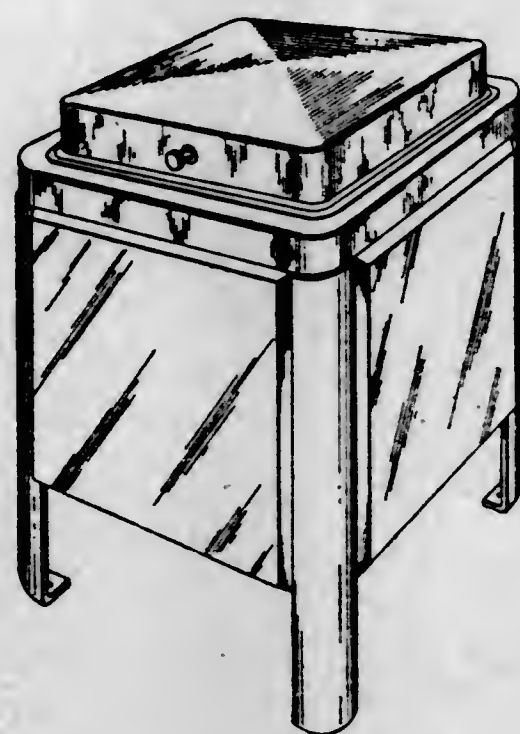
DESIGN FOR AN AUTOMOBILE BODY
John W. J. Ackermans, Detroit, Mich.
Application August 2, 1946, Serial No. 132,226
Term of patent 14 years
(Cl. D14-3)



The ornamental design for an automobile body, substantially as shown and described.

148,347

DESIGN FOR A COFFEE-MAKING APPARATUS CASING
Manuel Blickman, New York, N. Y., assignor to S. Blickman, Inc., Weehawken, N. J., a corporation of New York
Application March 20, 1946, Serial No. 127,701
Term of patent 14 years
(Cl. D44-26)

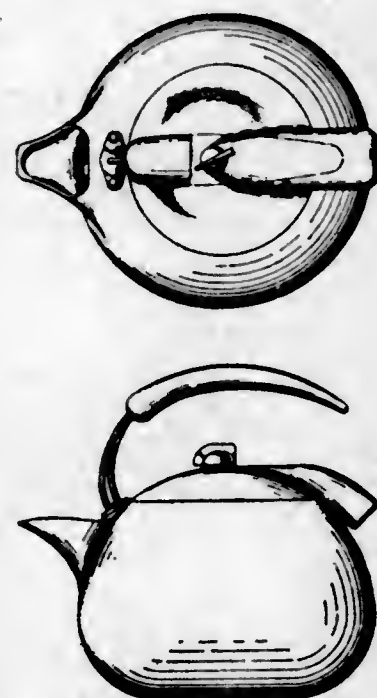


The ornamental design for a coffee-making apparatus casing, substantially as shown and described.

352

148,348

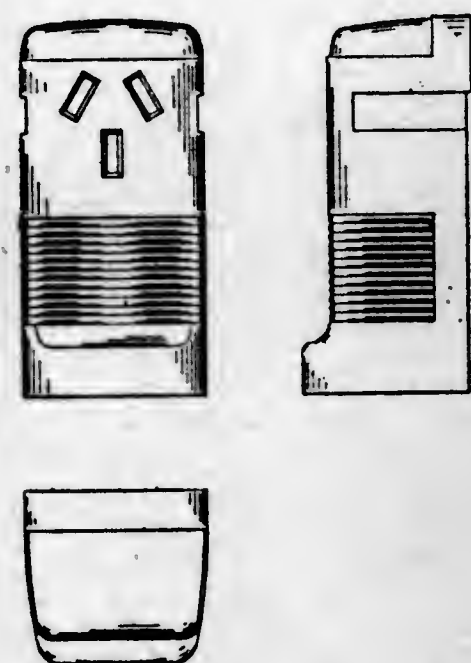
DESIGN FOR A TEAKETTLE
Herbert E. Brannon, Dryden, Mich.
Application September 7, 1946, Serial No. 133,131
Term of patent 7 years
(Cl. D44-25)



The ornamental design for a teakettle, substantially as shown and described.

148,349

DESIGN FOR A RANGE RECEPTACLE
Gordon W. Florian, Long Hill, Conn., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application February 21, 1946, Serial No. 126,787
Term of patent 14 years
(Cl. D26-1)



The ornamental design for a range receptacle, substantially as shown.

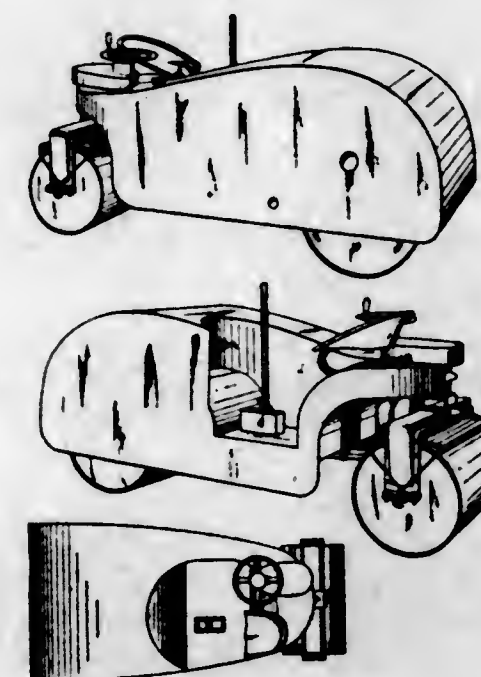
JANUARY 13, 1948

U. S. PATENT OFFICE

353

148,350

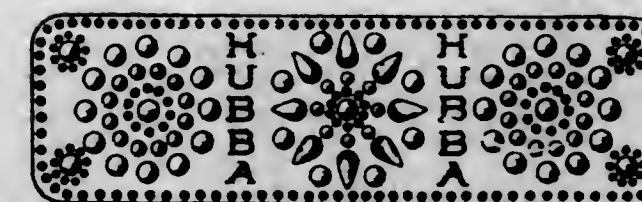
DESIGN FOR A ROAD ROLLER
Kay M. Grier, North Hollywood, Calif.
Application January 22, 1946, Serial No. 125,840
Term of patent 7 years
(Cl. D14-3)



The ornamental design for a road roller, substantially as shown.

148,351

DESIGN FOR A BRACELET
Conrad Dallwin Hamilton, New York, N. Y.
Application August 3, 1946, Serial No. 132,263
Term of patent 7 years
(Cl. D45-4)



The ornamental design for a bracelet, as shown.

148,352

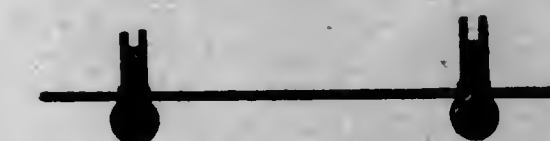
DESIGN FOR AN AUTOMOBILE SEAT COVER OR SIMILAR ARTICLE
Irving Herman, Chicago, Ill.
Application November 10, 1947, Serial No. 142,452
Term of patent 14 years
(Cl. D14-6)



The ornamental design for an automobile seat cover or similar article, substantially as shown and described.

148,353

DESIGN FOR AN AUTOMOBILE SEAT COVER OR SIMILAR ARTICLE
Irving Herman, Chicago, Ill.
Application November 10, 1947, Serial No. 142,453
Term of patent 14 years
(Cl. D14-6)



The ornamental design for an automobile seat cover or similar article, substantially as shown and described.

148,354

DESIGN FOR A MECHANICAL TOY BIRD FIGURE

Herman Herzog, Detroit, Mich.
Application July 19, 1946, Serial No. 131,691
Term of patent 7 years
(Cl. D34—2)

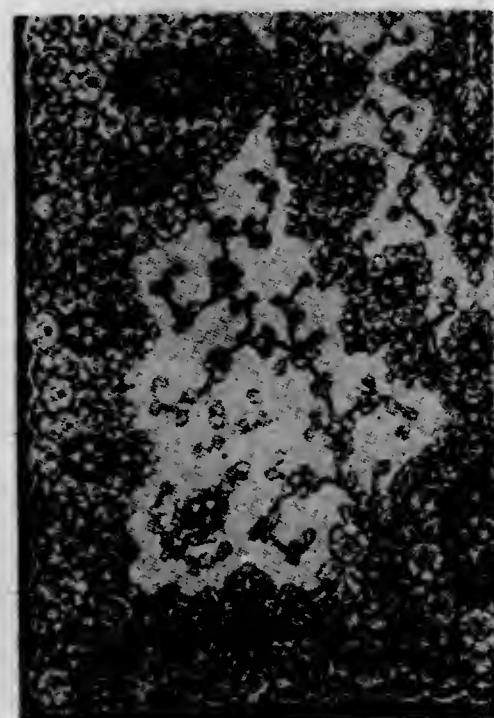


The ornamental design for a mechanical toy bird figure, as shown.

148,355

DESIGN FOR A LACE TABLECLOTH

Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 9, 1947, Serial No. 138,953
Term of patent 7 years
(Cl. D92—26)

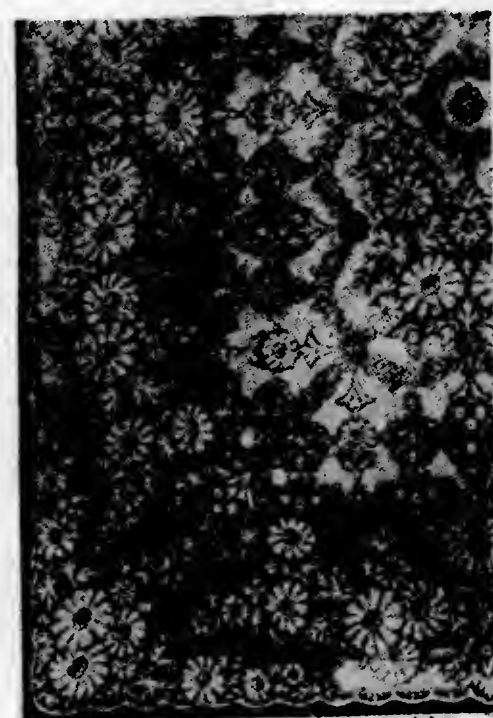


The ornamental design for a lace tablecloth, substantially as shown and described.

148,356

DESIGN FOR A LACE TABLECLOTH

Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 9, 1947, Serial No. 138,954
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

148,357

DESIGN FOR A LACE TABLECLOTH

Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 9, 1947, Serial No. 138,956
Term of patent 7 years
(Cl. D92—26)

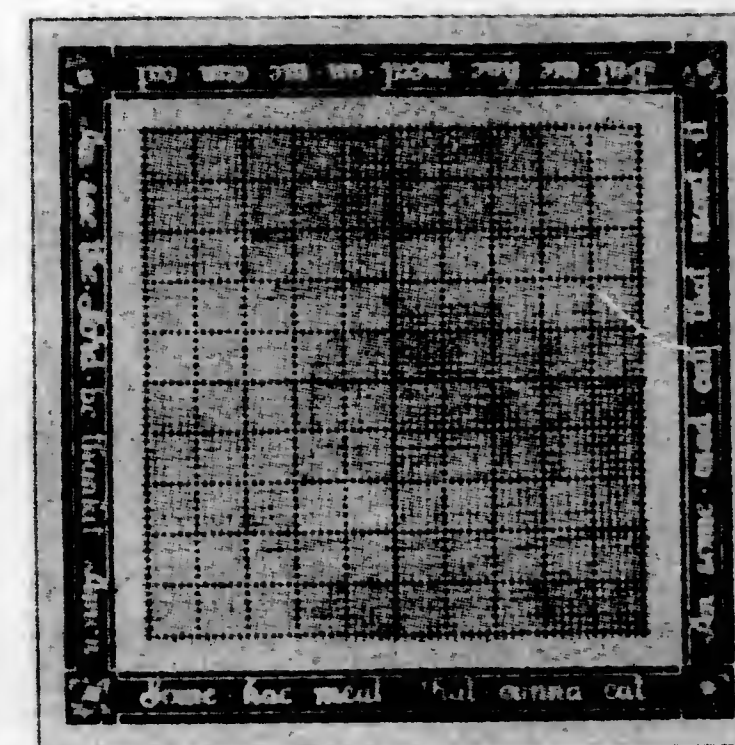


The ornamental design for a lace tablecloth, substantially as shown and described.

148,358

DESIGN FOR A TABLECLOTH, OR THE LIKE

William P. Hudson, Hawthorne, N. J.
Application September 5, 1946, Serial No. 133,068
Term of patent 7 years
(Cl. D92—26)

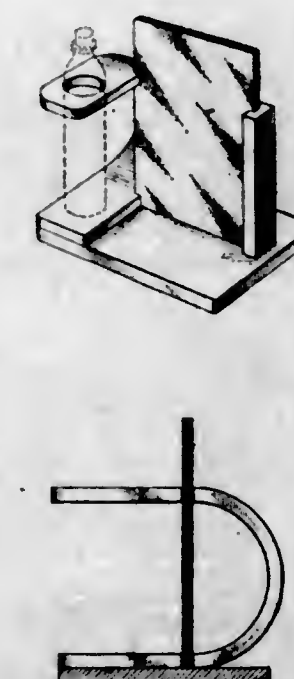


The ornamental design for a tablecloth, or the like, substantially as shown.

148,359

DESIGN FOR A COMBINED HOLDER FOR PICTURE AND PERFUME CONTAINERS

John Joelson, New York, N. Y.
Application March 6, 1946, Serial No. 127,160
Term of patent 3½ years
(Cl. D29—20)



The ornamental design for a combined holder for picture and perfume containers, as shown and described.

148,360

DESIGN FOR AN EARRING

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 27, 1946, Serial No. 132,040
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

148,361

DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application November 22, 1946, Serial No. 135,003
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

148,362

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,379
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,363

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,384
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,364

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application January 24, 1947, Serial No. 136,389
Term of patent 7 years
(Cl. D45—19)

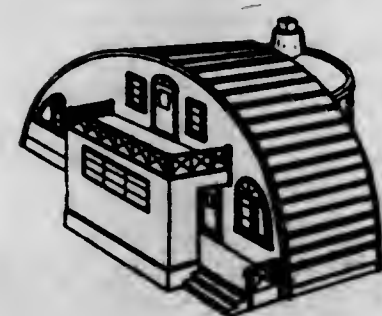
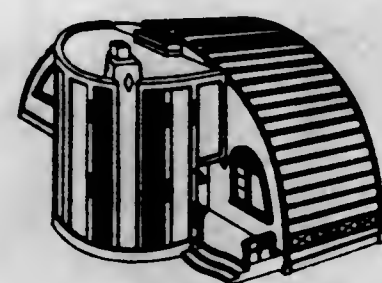


The ornamental design for a brooch or similar article, substantially as shown.

148,365

DESIGN FOR A HOUSE

Edwin O. Klemm, Saginaw, Mich.
Application July 2, 1946, Serial No. 131,284
Term of patent 14 years
(Cl. D13—1)

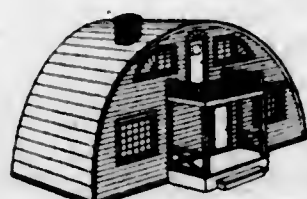
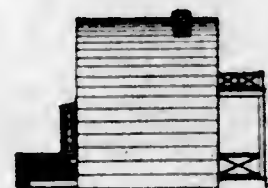


The ornamental design for a house, substantially as shown.

148,366

DESIGN FOR A HOUSE

Edwin O. Klemm, Saginaw, Mich.
Application July 2, 1946, Serial No. 131,285
Term of patent 14 years
(Cl. D13—1)

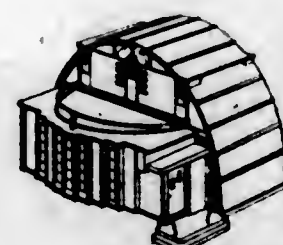


The ornamental design for a house, substantially as shown.

148,367

DESIGN FOR A HOUSE

Edwin O. Klemm, Saginaw, Mich.
Application August 6, 1946, Serial No. 132,316
Term of patent 14 years
(Cl. D13—1)



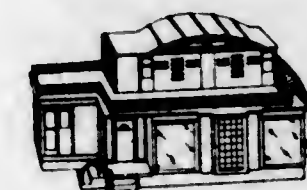
tially as shown.

The ornamental design for a house, substan-

148,368

DESIGN FOR A HOUSE

Edwin O. Klemm, Saginaw, Mich.
Application August 6, 1946, Serial No. 132,317
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a house, substantially as shown.

148,369

DESIGN FOR A LIGHTING FIXTURE

Ervin C. Koegel, St. Louis, Mo., assignor to The Edwin F. Guth Company, St. Louis, Mo., a corporation of Missouri
Application March 14, 1946, Serial No. 127,501
Term of patent 14 years
(Cl. D48—23)

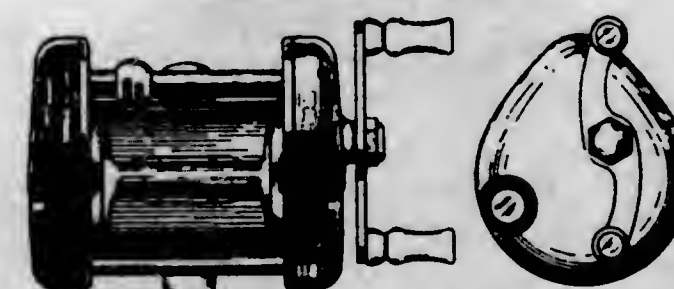


The ornamental design for a lighting fixture, substantially as shown.

148,370

DESIGN FOR A FISHING REEL

Gordon F. Laing, Delavan, Wis., and Arthur C. Haggstrom, Rockford, Ill., assignors to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application March 8, 1946, Serial No. 127,268
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fishing reel, substantially as shown.

148,371

DESIGN FOR A BOOK END

Alexander Leva, New York, N. Y.
Application August 21, 1946, Serial No. 132,695
Term of patent 3½ years
(Cl. D33—1)



The ornamental design for a book end, substantially as shown and described.

148,372

DESIGN FOR A BOOK END

Alexander Leva, New York, N. Y.
Application August 21, 1946, Serial No. 132,696
Term of patent 3½ years
(Cl. D33—1)

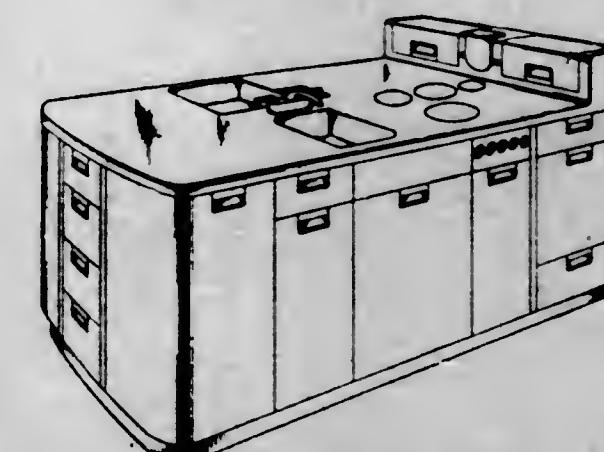


The ornamental design for a book end, substantially as shown and described.

148,373

DESIGN FOR A COMBINATION KITCHEN UNIT

John McLeod Little, Toledo, Ohio
Application February 5, 1946, Serial No. 126,280
Term of patent 14 years
(Cl. D33—19)



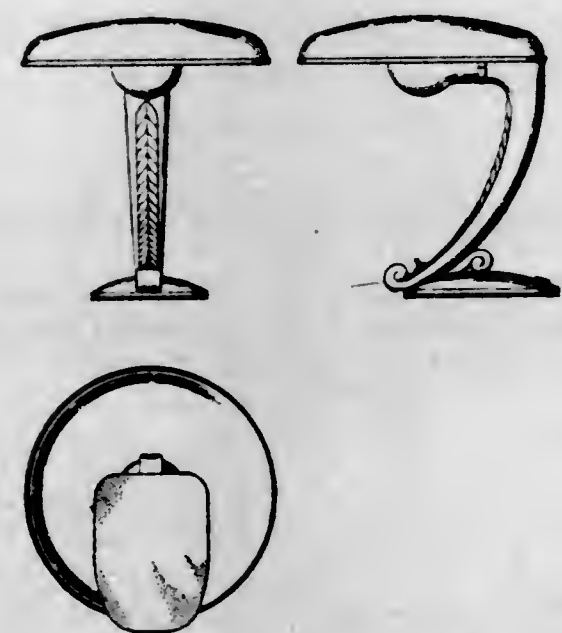
The ornamental design for a combination kitchen unit, as shown and described.

148,374
DESIGN FOR A COSMETIC TRAY
 Elaine M. Malco, Long Beach, Calif.
 Application August 12, 1946, Serial No. 132,448
 Term of patent $3\frac{1}{2}$ years
 (Cl. D86—10)



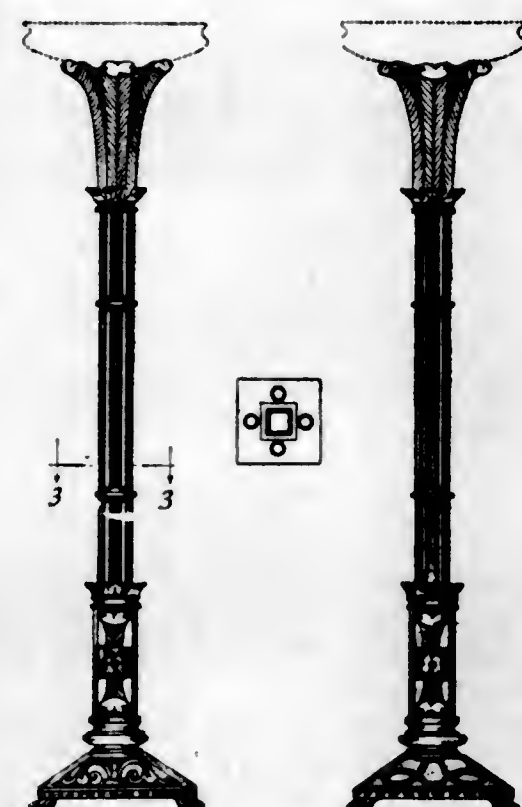
The ornamental design for a cosmetic tray, as shown.

148,375
DESIGN FOR A LAMP OR SIMILAR ARTICLE
 William F. Masterson, Decatur, Ill., assignor to
 Faries Manufacturing Company, Decatur, Ill.,
 a corporation of Illinois
 Application June 19, 1946, Serial No. 130,861
 Term of patent $3\frac{1}{2}$ years
 (Cl. D48—20)



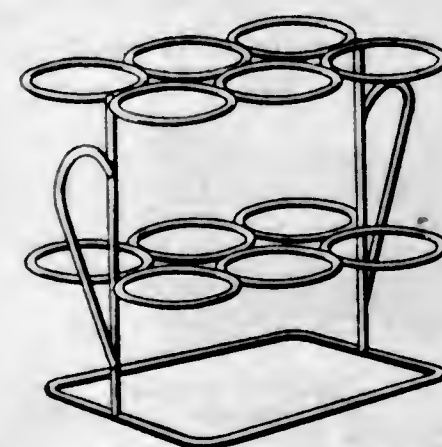
The ornamental design for a lamp or similar article, as shown.

148,376
DESIGN FOR A LAMP OR SIMILAR ARTICLE
 Howard N. Math, New York, N. Y.
 Application April 25, 1946, Serial No. 128,958
 Term of patent $3\frac{1}{2}$ years
 (Cl. D48—20)



The ornamental design for a lamp or similar article, as shown and described.

148,377
DESIGN FOR AN EGG RACK
 John J. Meehan, Vallejo, Calif.
 Application November 18, 1946, Serial No. 134,852
 Term of patent 14 years
 (Cl. D44—10)



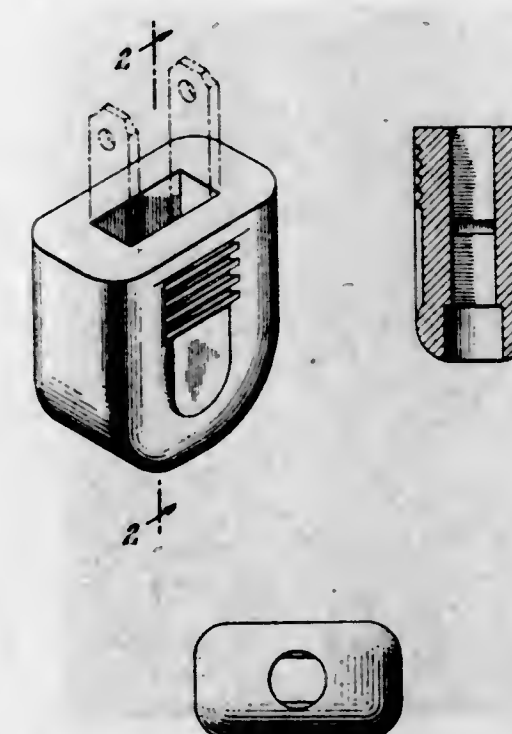
The ornamental design for an egg rack, as shown.

148,378
DESIGN FOR A CANDLESTICK HOLDER
 Rinaldo Minervini, Detroit, Mich.
 Application March 28, 1946, Serial No. 128,023
 Term of patent $3\frac{1}{2}$ years
 (Cl. D48—2)



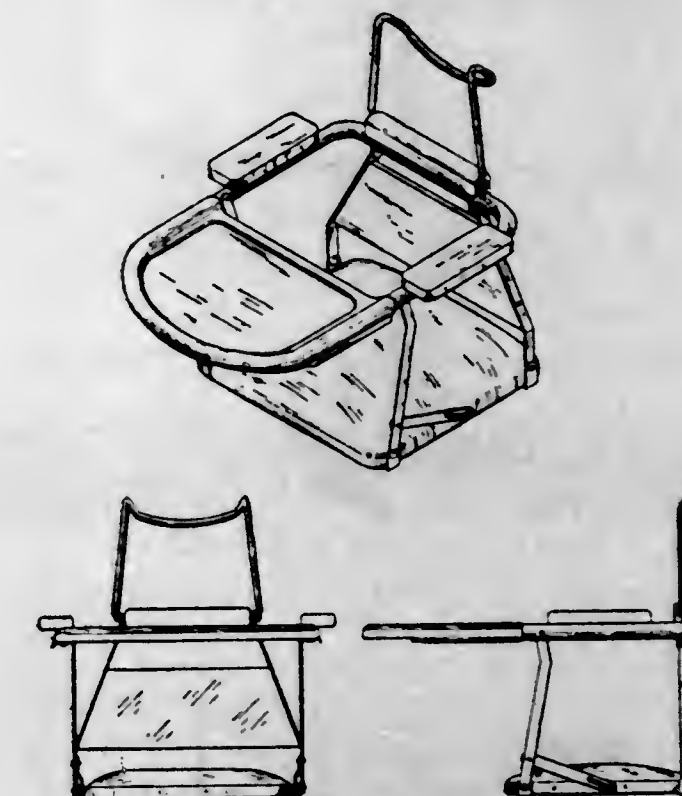
The ornamental design for a candlestick holder, substantially as shown.

148,379
DESIGN FOR AN ELECTRICAL CONNECTING PLUG HOUSING
 Alexander R. Nagy, New York, N. Y.
 Application April 26, 1946, Serial No. 128,967
 Term of patent 7 years
 (Cl. D26—1)



The ornamental design for an electrical connecting plug housing, substantially as shown and described.

148,380
DESIGN FOR A BABY CHAIR
 Harvey V. Noel, Dayton, Ohio
 Application August 13, 1946, Serial No. 132,464
 Term of patent $3\frac{1}{2}$ years
 (Cl. D15—8)

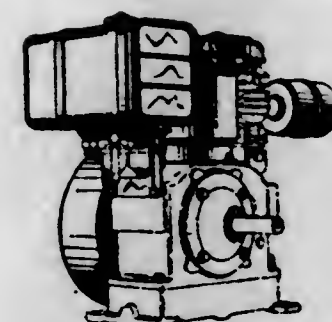
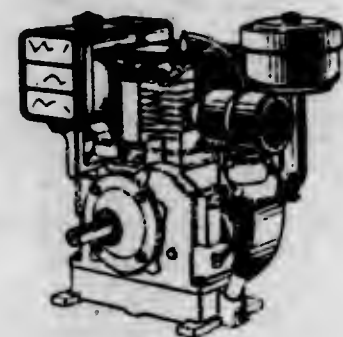
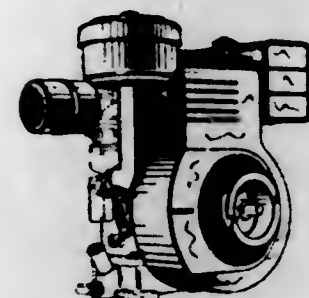
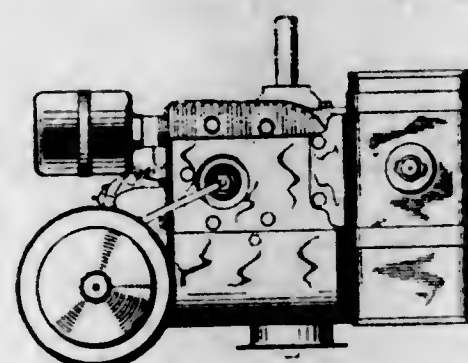
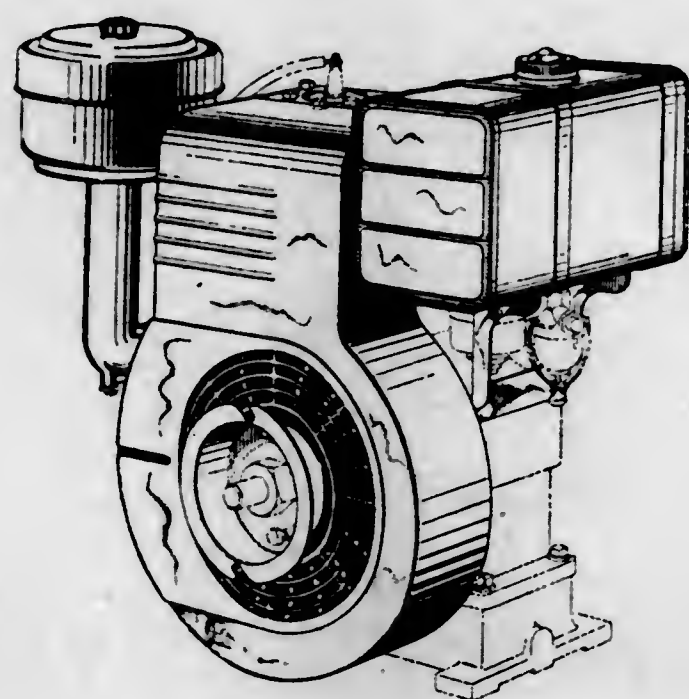


The ornamental design for a baby chair, as shown.

148,381

DESIGN FOR A PORTABLE INTERNAL-COMBUSTION ENGINE

Willard J. Oehrlein, Leo J. Lechtenberg, and Clifford Brooks Stevens, Milwaukee, Wis., assignors to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 7, 1947, Serial No. 136,770
Term of patent 14 years
(Cl. D77-1)

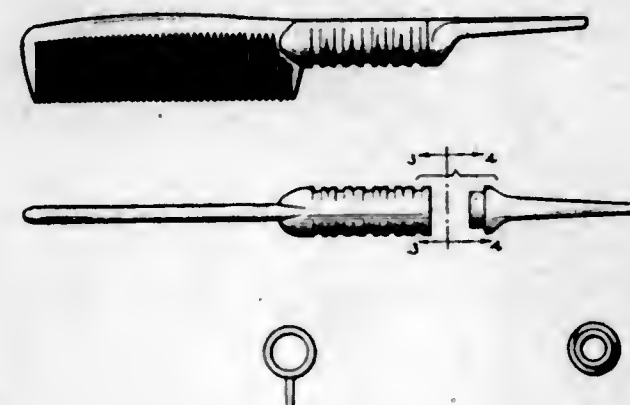


The ornamental design for a portable internal combustion engine, as shown and described.

148,382

DESIGN FOR A COMBINED COMB AND RECEPTACLE

Joseph Oriolo, Bergenfield, N. J., and Mercedes Shull, Scarsdale, N. Y.
Application January 28, 1947, Serial No. 136,466
Term of patent 3½ years
(Cl. D86-8)



The ornamental design for a combined comb and receptacle, as shown.

148,383

DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 9, 1947, Serial No. 138,952
Term of patent 7 years
(Cl. D92-26)



The ornamental design for a lace tablecloth, substantially as shown and described.

148,384

DESIGN FOR A CHATELAIN PIN

Sidney Packales, New York, N. Y.
Application February 18, 1947, Serial No. 136,975
Term of patent 3½ years
(Cl. D45-19)



The ornamental design for a chatelaine pin, substantially as shown.

148,385

DESIGN FOR A LADDER STAND

Edward F. Paulus, Detroit, Mich.
Application August 9, 1946, Serial No. 132,378
Term of patent 14 years
(Cl. D15-8)



The ornamental design for a ladder stand, as shown.

148,386

DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 29, 1947, Serial No. 136,499
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or similar article, substantially as shown.

148,387

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 29, 1947, Serial No. 136,507
Term of patent 7 years
(Cl. D45-19)

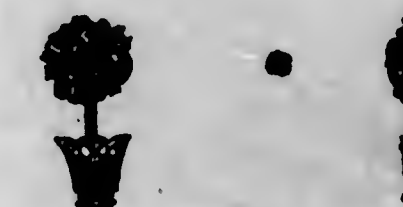


The ornamental design for a brooch or similar article, substantially as shown.

148,388

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 29, 1947, Serial No. 136,510
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,389

DESIGN FOR A PIN CLIP OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,590
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a pin clip or similar article, substantially as shown.

148,390

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,598
Term of patent 7 years
(Cl. D45-19)

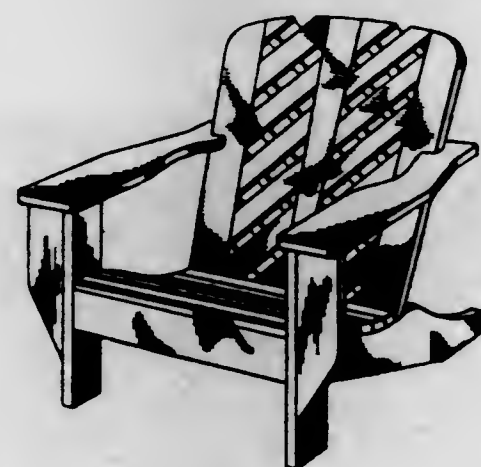


The ornamental design for a brooch or similar article, substantially as shown.

148,391

DESIGN FOR A LAWN CHAIR

Ned Plourde and Frank Plourde, Gaastra, Mich.
Application April 17, 1946, Serial No. 128,686
Term of patent 7 years
(Cl. D15-1)

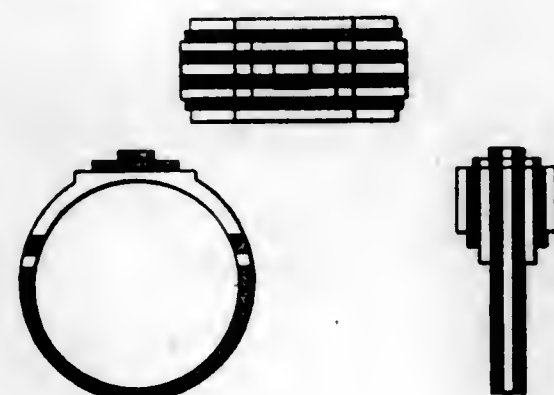


The ornamental design for a lawn chair, as shown and described.

148,392

DESIGN FOR A FINGER RING

Joseph L. Sabol, Bethlehem, Pa.
Application August 27, 1946, Serial No. 132,881
Term of patent 7 years
(Cl. D45-10)

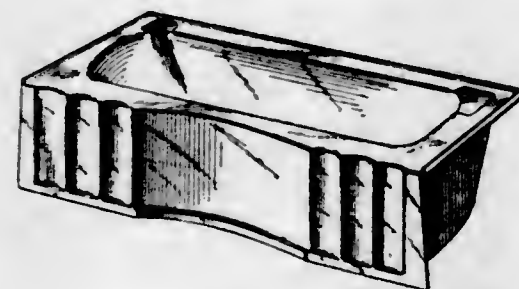


The ornamental design for a finger ring, substantially as shown.

148,393

DESIGN FOR A BATHTUB

Peter Schladermundt, Bronxville, N. Y., and Warren B. Green, Darien, Conn., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 19, 1946, Serial No. 133,418
Term of patent 14 years
(Cl. D4-4)

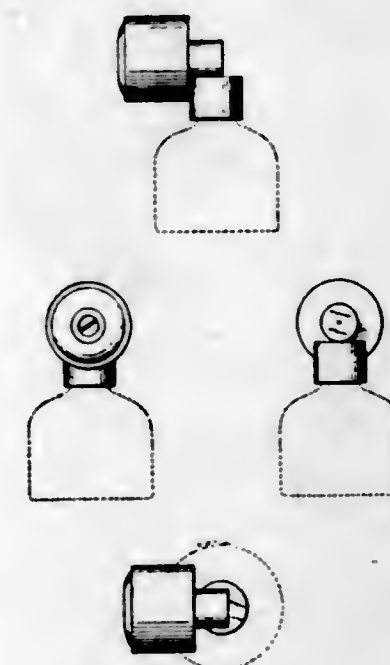


The ornamental design for a bathtub, as shown and described.

148,394

DESIGN FOR AN ATOMIZER

André Schmutz, La Chaux-de-Fonds, Switzerland
Application August 22, 1946, Serial No. 132,742
Term of patent 7 years
(Cl. D83-1)

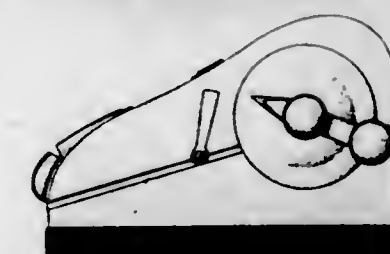
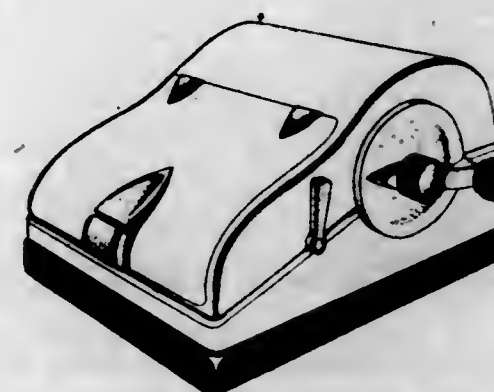


The ornamental design for an atomizer, as shown, and described.

148,395

DESIGN FOR AN ICE-CREAM FREEZER

Edmond J. Spence, Montclair, N. J., assignor to Master Industries, Inc., New York, N. Y., a corporation of New York
Application May 25, 1946, Serial No. 130,070
Term of patent 3½ years
(Cl. D67-3)

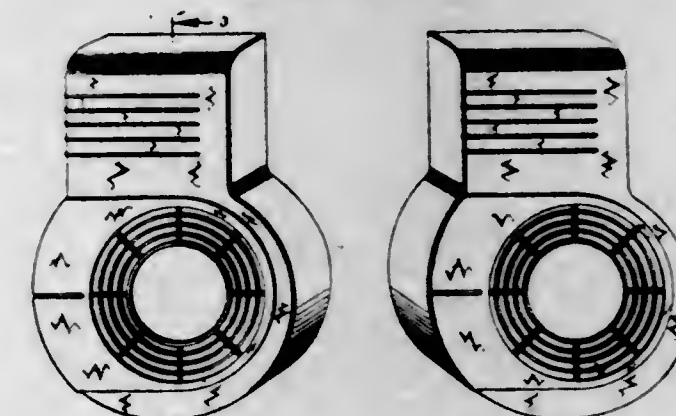


The ornamental design for an ice-cream freezer, as shown and described.

148,396

DESIGN FOR A BLOWER HOUSING FOR AN INTERNAL-COMBUSTION ENGINE

Clifford Brooks Stevens, Willard J. Oehrlin, and Leo J. Lechtenberg, Milwaukee, Wis., assignors to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application August 23, 1946, Serial No. 132,781
Term of patent 14 years
(Cl. D77-1)

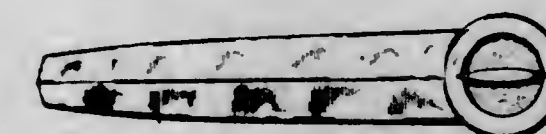


The ornamental design for a blower housing for an internal-combustion engine, substantially as shown.

148,397

DESIGN FOR A NAME PLATE FOR MOTORCYCLES

Clifford Brooks Stevens, Milwaukee, Wis., assignor to Harley-Davidson Motor Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 11, 1946, Serial No. 133,891
Term of patent 7 years
(Cl. D1-12)

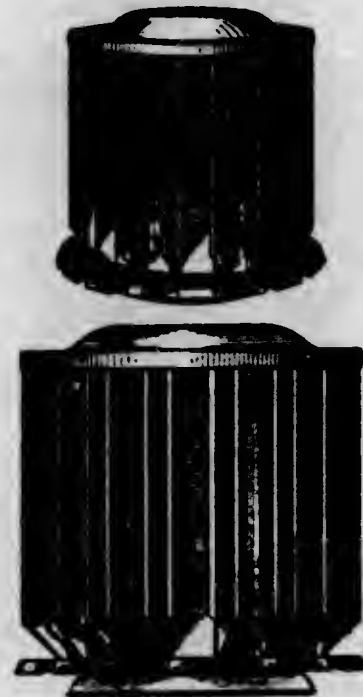


The ornamental design for a name plate for motorcycles, as shown.

148,398

**DESIGN FOR A DISPENSER CABINET
OR THE LIKE**

Aubrey C. Swygard, Bryan, Ohio, assignor to The
Aro Equipment Corporation, Bryan, Ohio, a
corporation of Ohio
Application January 31, 1946, Serial No. 126,117
Term of patent 7 years
(Cl. D52-2)



The ornamental design for a dispenser cabinet
or the like, substantially as shown.

148,399

**DESIGN FOR A BOTTLE VENDING MACHINE
CASE**

Ernest Frederick Thomson, Tuckahoe, N. Y., as-
signor to C. Earl Hovey, Kansas City, Mo.,
trustee
Application February 11, 1946, Serial No. 126,482
Term of patent 14 years
(Cl. D52-3)



The ornamental design for a bottle vending
machine case, as shown.

148,400

DESIGN FOR A CAN PUNCH AND OPENER

John Westerland, Scottsdale, Pa.
Application May 7, 1946, Serial No. 129,409
Term of patent 7 years
(Cl. D22-2)



The ornamental design for a can punch and
opener, as shown.

148,401

DESIGN FOR A LACE TABLECLOTH

William Wolf, Philadelphia, Pa., assignor to
Quaker Lace Company, Philadelphia, Pa.
Application May 9, 1947, Serial No. 138,955
Term of patent 7 years
(Cl. D92-26)



The ornamental design for a lace tablecloth,
substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Abbo, Tito, Junior y Hermanos, Maracaibo, Venezuela.
Green coffee. Serial No. 485,976, Jan. 13. Class 46.
Abbott Laboratories, North Chicago, Ill. Sterile dis-
posable venoclysis sets. Serial No. 543,857, Jan. 13.
Class 44.
Abram's Hardware Shoes. Ladies' and girls' shoes. Se-
rial No. 501,805, Jan. 13. Class 39.
Abram's Hardware Shoes, Philadelphia, Pa. Men's and
boys' shoes. Serial No. 501,806, Jan. 13. Class 39.
Abril Corporation (Gt. Britain) Limited, London, Eng-
land. Waxes. Serial No. 510,465, Jan. 13. Class 6.
Academy Award Products, Inc., New York, N. Y. Carving,
table and pocket knives. Serial No. 500,350, Jan. 13.
Class 23.
Adams, Harry, doing business as Harlo Distributor,
Watertown, N. Y. Cosmetics. Serial No. 508,361, Jan.
13. Class 6.
Adler Bros. Lace Corp., New York, N. Y. Shoe heel
braces, shoe nails, shoe toe plates, etc. Serial No.
525,754, Jan. 13. Class 13.
Advance Aluminum Castings Corp., Chicago, Ill. Cast
aluminum non-electric cookware. Serial No. 507,227,
Jan. 13. Class 13.
Aircraft and Mechanical Productions Limited, High Wy-
combe, Great Britain. Radio receiving sets, radio
transmitting sets, combined radio receiving sets, etc.
Serial No. 491,303, Jan. 13. Class 21.
Air-Craft Shoe Co., Inc., Auburn, Maine. Shoes. Se-
rial No. 523,231, Jan. 13. Class 39.
Airplane Manufacturing & Supply Corporation, North
Hollywood, Calif., now by change of name to Pacific
Airmotive Corporation. Servicing and maintenance
tools and equipment. Serial Nos. 467,221-3, Jan. 13.
Class 23.
Allied Importing Company, San Francisco, Calif., as-
signor to Delphine Salazar, doing business as World-
Wide Importing Company, Albuquerque, N. Mex.
Whiskey. Serial No. 474,616, Jan. 13. Class 49.
Althoff, Warren G., Glendale, Calif. Paper doilies. Se-
rial No. 527,059, Jan. 13. Class 37.
Amherst Blanket Co.: See—
Poor, Edward E., Jr.
Ancinle Sportwear, Inc., Brooklyn, N. Y. Sweaters. Se-
rial No. 515,287, Jan. 13. Class 39.
Aronheim, Walter, New York, N. Y. Jewelry for personal
wear. Serial No. 517,883, Jan. 13. Class 28.
Aronheim, Walter, New York, N. Y. Watches, watch-cases
and watch-parts. Serial No. 525,763, Jan. 13. Class 27.
Aune, Lawrence, Clitherall, Minn. Collapsible scaffolds.
Serial No. 499,687, Jan. 13. Class 50.
Avon Products, Inc., New York, N. Y. Shaving cream,
shaving soap, etc. Serial No. 506,153, Jan. 13. Class 4.
Bahr's Inc., doing business as Creme De Mist Laboratories,
Sioux Falls, S. Dak. Shampoos, permanent waving solu-
tions and hair creme. Serial No. 507,878, Jan. 13.
Class 6.
Balmforth, L. P., & Son, Leeds, England. Resin. Serial
No. 504,025, Jan. 13. Class 36.
Baxter, Don, Inc., Glendale, Calif. Booklets. Serial
No. 528,551, Jan. 13. Class 38.
Benedict, Irving H., doing business as Novo Process Co.,
New York, N. Y. Waterproof baby pants. Serial No.
497,524, Jan. 13. Class 39.
Blanke-Baer Extract & Preserving Company, St. Louis,
Mo. Food colorings. Serial No. 527,442, Jan. 13.
Class 6.
Blossom Products Corporation, Allentown, Pa. Pajamas.
Serial No. 516,948, Jan. 13. Class 39.
Boatwright Paint & Varnish Works, Inc., Atlanta, Ga.
Paints, enamels and varnishes. Serial No. 530,713,
Jan. 13. Class 16.
Boland Manufacturing Company: See—
Boland, Stanley V.
Boland, Stanley V., doing business as Boland Manufac-
turing Company, Chicago, Ill. Plastic film bags for
storing food in refrigerators, bread bags, etc. Serial
No. 487,303, Jan. 13. Class 2.
Bow Age, Inc., New York, N. Y. Children's garments.
Serial No. 509,498, Jan. 13. Class 39.
Bradley, Richard, doing business as Richard Bradley and
Associates, Chicago, Ill. Mechanically grooved phono-
graph records of the disc type. Serial No. 507,366,
Jan. 13. Class 36.
Bradley, Richard, and Associates: See—
Bradley, Richard.
Brock Chemical Co., Inc., North Abington, Mass. Textile
covers for polishing buffing and finishing. Serial No.
523,238, Jan. 13. Class 4.
Brog, Victor, doing business as Gintone Laboratories,
Memphis, Tenn. Hair tonic and a face cream. Serial
No. 519,255, Jan. 13. Class 6.
606 O. G.—23a
- Brooks, Charles R., doing business as Brookcraft Indus-
tries, Knoxville, Tenn. Unit assemblies of cut-out
leather or felt pieces and lacings for making up into
a cap. Serial No. 510,158, Jan. 13. Class 39.
Brookcraft Industries: See—
Brooks, Charles R.
Brunmark, Elmer H., Worcester, Mass. Dispensing and
display cabinets. Serial No. 519,852, Jan. 13. Class 32.
Bupane Gas Company, Incorporated, Cedar Rapids, Iowa.
Liquified petroleum gas. Serial No. 533,432, Jan. 13.
Class 6.
California Fruit Growers Exchange, Los Angeles, Calif.
Metal strainers intended primarily for fruit juices,
and the like. Serial No. 514,408, Jan. 13. Class 13.
California Telephone & Electric Company, Los Angeles,
Calif. Electrical communications systems. Serial No.
520,261, Jan. 13. Class 21.
Carter, William, Company, The, Needham Heights, Mass.
Infant's undergarments. Serial No. 529,961, Jan. 13.
Class 39.
Celotex Corporation, The, Chicago, Ill. Sheet metal
building panels. Serial No. 490,100, Jan. 13. Class 12.
Chaput, Elmer J., doing business as The Johns Products
Co., Detroit, Mich. Preparation for the relief of pain.
Serial No. 507,886, Jan. 13. Class 6.
Chrom Glo Company, Toledo, Ohio. Metal polish in
liquid form. Serial No. 521,435, Jan. 13. Class 4.
Claffelter, H. C., and Company, Ferndale, Mich. Adapter
bushings for supporting tools in tool holders. Serial
No. 489,160, Jan. 13. Class 23.
Cleveland Tobacco Company: See—
Rose, Irvin A.
Cling-Surface Company, Buffalo, N. Y. Preparation used
as a preservative and filler. Serial No. 509,825, Jan.
13. Class 4.
Coleman, Marvin W., Detroit, Mich. Fixture for hand
operated portable power driven saws. Serial Nos.
492,988-9, Jan. 13. Class 23.
Colma Built Radio Company, Chicago, Ill. Electric radio,
phonograph and television receiving sets. Serial No.
521,176, Jan. 13. Class 21.
Commonwealth Varnish Co., Chicago, Ill. Ready-mixed
paints and varnishes. Serial No. 483,259, Jan. 13.
Class 16.
Consolidated Cosmetics: See—
Smith, Olive.
Copy-Plus, Inc., Milwaukee, Wis. Hectograph transfer
moistening fluid. Serial No. 518,660, Jan. 13. Class 11.
Corn Products Refining Company, New York, N. Y. Corn
starch. Serial No. 511,068, Jan. 13. Class 46.
Creme De Mist Laboratories: See—
Bahr's Inc.
Dan River Mills Incorporated: See—
Riverside & Dan River Cotton Mills, Inc.
Decto Products Company, The, Salem, Mass. Grease com-
pound. Serial No. 513,656, Jan. 13. Class 6.
Delfiner Brothers, Inc., Philadelphia, Pa. Shrinkproof
coat fronts. Serial No. 521,569, Jan. 13. Class 39.
Delphine Salazar: See—
Allied Importing Company.
Denebelm Distilling Company, Kansas City, Mo. Whiskey.
Serial No. 521,861, Jan. 13. Class 49.
Detroit Harvester Company, Detroit, Mich. Electrical
switches. Serial No. 492,691, Jan. 13. Class 21.
Dollar & Pattan, Gloversville, N. Y. Antiseptic ointment
preparation. Serial No. 493,053, Jan. 13. Class 6.
Dorelis, Count, Ltd., New York, N. Y. Perfumes, toilet
waters, cold creams, etc. Serial No. 510,938, Jan. 13.
Class 6.
Du-Ev Products Co., Inc., Brooklyn, N. Y. Liquid hand
soap, a floor cleaning compound, soap cleaning com-
pounds, etc. Serial No. 521,508, Jan. 13. Class 4.
Durobuilt Brush Mfg. Co., New York, N. Y. Shaving
brushes. Serial No. 500,465, Jan. 13. Class 29.
Early American Wax Company, New Orleans, La. Furni-
ture wax and polish. Serial No. 509,978, Jan. 13.
Class 16.
Elfinware, Inc., New York, N. Y. Miniature porcelain
boxes, trays, and dishes, etc. Serial No. 515,166, Jan.
13. Class 30.
Elmore and Stahl, doing business as Sunbelt Farms, Pharr,
Tex. Fresh vegetables. Serial No. 523,011, Jan. 13.
Class 46.
Etablissements Bollean, Paris, France. Hosiery and socks.
Serial No. 520,866, Jan. 13. Class 39.
Etablissements Rigaud, Inc., New York, N. Y. Perfumes
and toilet waters. Serial No. 515,706, Jan. 13. Class 6.
Evans, David G., Coffee Company, assignee: See—
Overbacker Coffee Co.
Ewing, Ray, Company, The, Pasadena, Calif. Vitamin
concentrate. Serial No. 522,672, Jan. 13. Class 6.

LIST OF TRADE-MARK APPLICANTS

Fijelen Research and Development Company, Washington, D. C., assignor to Flame Cultivation, Incorporated, New York, N. Y. Flame cultivators. Serial No. 495,370, Jan. 13. Class 23.

Fikany Shoe Company of New York, Inc., Rochester, N. Y. Ladies' shoes. Serial No. 494,396, Jan. 13. Class 39.

Flame Cultivation, Incorporated: See—
Fijelen Research and Development Company.

Fletcher, G. G., & Sons, Yuma, Ariz. Fresh vegetables. Serial No. 523,833, Jan. 13. Class 46.

Forex Ag. Zurich, Zurich, Switzerland. Dextrose. Serial No. 524,642, Jan. 13. Class 46.

Fredart Stationery Company, New York, N. Y. Writing paper in boxes and otherwise, cardboard, wrapping paper, etc. Serial No. 495,876, Jan. 13. Class 37.

Friend, Hilda L., doing business as Hairmetique Distributors, New York, N. Y. Hair pomades. Serial No. 503,722, Jan. 13. Class 6.

Funk Bros. Hat & Cap Co., St. Louis, Mo. Men's and boys' hats and caps. Serial No. 529,624, Jan. 13. Class 39.

Funk, Joe & Ted, Inc., New York, N. Y. Misses' and junior misses' coats and suits. Serial No. 511,869, Jan. 13. Class 39.

Gebauer, Carl H., Chicago, Ill. Elastic surgical goods. Serial No. 520,026, Jan. 13. Class 44.

Ginsberg, Isaac, & Bros., Inc., New York, N. Y. Women's, girls', and children's dresses. Serial No. 530,315, Jan. 13. Class 39.

Gintone Laboratories: See—
Brog, Victor.

Golden Lotus Press, The, Philadelphia, Pa. Monthly periodical. Serial No. 518,292, Jan. 13. Class 28.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Soap powder, soap grains, soap flakes, etc. Serial No. 513,050, Jan. 13. Class 4.

Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. Serial No. 520,029, Jan. 13. Class 12.

Greene, Myles L., doing business as Myles L. Greene & Co., Fort Lauderdale, Fla. Fresh tomatoes. Serial No. 488,586, Jan. 13. Class 46.

Greene, Myles L., & Co.: See—
Greene, Myles L.

Grenard Manufacturing Corporation, Hawthorne, N. J. Venetian blinds. Serial Nos. 515,710-11, Jan. 13. Class 32.

Haag Machine Company, Hawthorne, N. J. Metal spinning lathes and parts thereof. Serial No. 511,942, Jan. 13. Class 23.

Haffenreffer & Co. Inc., Boston, Mass. Ale. Serial No. 523,964, Jan. 13. Class 48.

Hairmetique Distributors: See—
Friend, Hilda L.

Harlo Distributor: See—
Adams, Harry.

Harris, J. E., Company, The, Wooster, Ohio. Ready mixed paints, paint enamels, varnishes, and lacquers. Serial No. 525,592, Jan. 13. Class 16.

Hat Corporation of America, Norwalk, Conn. Men's hats. Serial No. 513,110, Jan. 13. Class 39.

Hindu Incense Manufacturing Co., Chicago, Ill. Incense. Serial Nos. 527,345-6, Jan. 13. Class 6.

Hodges, Henry P., Chicago, Ill. Abrasive hand soap. Serial No. 511,945, Jan. 13. Class 4.

Holes-Webway Co., The, St. Cloud, Minn. Paper products. Serial No. 501,252, Jan. 13. Class 37.

Holly Molding Devices, Inc., Chicago, Ill. Sheets of woven and plastic material. Serial No. 524,465, Jan. 13. Class 23.

Hydropack: See—
Pool, Clarence.

Hy-Pro Tool Company, New Bedford, Mass. Taps, dies, saws, etc. Serial No. 487,368, Jan. 13. Class 23.

Inches, Howard, Products, Chalfont, Pa. Toilet skin salve. Serial No. 502,216, Jan. 13. Class 6.

Interstate Shade Cloth Company, Hoboken, N. J. Shade cloth. Serial No. 528,721, Jan. 13. Class 42.

Interstate Shade Cloth Company, Hoboken, N. J. Holland shade-cloth. Serial No. 528,724, Jan. 13. Class 42.

Itsa Mfg. Co., St. Louis, Mo. Scrub brush clamp handles. Serial No. 524,708, Jan. 13. Class 29.

Jaffray Food Products Co., Los Angeles, Calif. Frozen dressed rabbit. Serial No. 512,672, Jan. 13. Class 46.

Janshaw Fabrics Inc., New York, N. Y. Textile fabrics. Serial No. 511,682, Jan. 13. Class 42.

Janshaw Fabrics Inc., New York, N. Y. Woven textile fabrics of rayon and cotton. Serial No. 511,684, Jan. 13. Class 42.

Jetmore Co., The, Olathe, Kan. Children's play garments. Serial No. 508,734, Jan. 13. Class 39.

Johns Products Co., The: See—
Chaput, Elmer J.

Junior Food Products Co. Inc., Tyrone, Pa. Flavored gelatin dessert preparation. Serial No. 521,845, Jan. 13. Class 46.

Katz Drug Company, Kansas City, Mo. Photographic prints. Serial No. 520,339, Jan. 13. Class 38.

Kaufmann, R. & M., Inc., Aurora, Ill. Wash frocks, slacks, and pajamas. Serial No. 528,285, Jan. 13. Class 39.

Kesel, W. P.: See—
Kesel, William P.

Kesel, William P., doing business as W. P. Kesel, New York, N. Y. Powdered dehydrated flour. Serial No. 514,610, Jan. 13. Class 46.

Klenzade Products, Incorporated, Beloit, Wis. Alkali compound for cleaning. Serial No. 493,605, Jan. 13. Class 4.

Klenzade Products, Incorporated, Beloit, Wis. Detergent preparation. Serial No. 493,606, Jan. 13. Class 4.

Korkmaster Company, The, Red Bank, N. J. Cork-screw. Serial No. 500,758, Jan. 13. Class 23.

Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Shampoo. Serial No. 528,290, Jan. 13. Class 6.

Lavril, Maurice, Saint-Aquilin-de-Pacy S/Eure, Eure, France. Toilet creams. Serial No. 519,270, Jan. 13. Class 6.

Linde Air Products Company, The, New York, N. Y. Electric welding torches and parts thereof. Serial No. 485,226, Jan. 13. Class 21.

Linde Air Products Company, The, New York, N. Y. Abrasive powders. Serial No. 501,747, Jan. 13. Class 4.

Lorillard, P., Company, New York, N. Y. Plug cut chewing tobacco. Serial No. 525,344, Jan. 13. Class 17.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and powdered concentrates. Serial No. 508,163, Jan. 13. Class 46.

Lube-X Systems, Inc., Chicago, Ill. Lubricating guides and charts. Serial No. 530,749, Jan. 13. Class 38.

Mallinckrodt Chemical Works, St. Louis, Mo. Collodion. Serial No. 526,865, Jan. 13. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Chemical known as monomethyl paraamidophenol sulphate, etc. Serial No. 526,867, Jan. 13. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Mixture containing potassium iodide. Serial No. 526,932, Jan. 13. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Iodine-adding supplement. Serial No. 526,933, Jan. 13. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Sodium hyposulphite in crystal form. Serial No. 526,937, Jan. 13. Class 6.

Maltex Company, Burlington, Vt. Breakfast cereal and cowfeed. Serial No. 514,712, Jan. 13. Class 46.

Maltex Company, Burlington, Vt. Breakfast cereal. Serial No. 515,502, Jan. 13. Class 46.

Manischewitz, B., Company, The, Jersey City, N. J., and Cincinnati, Ohio. Matzos. Serial No. 491,860, Jan. 13. Class 46.

Marshall Clothing Manufacturing Company, Butler, Ind. Trousers, breeches, slacks, etc. Serial No. 495,316, Jan. 13. Class 39.

Matulich, T. J., doing business as T. J. Matulich Co., Watsonville, Calif. Fresh vegetables. Serial No. 507,738, Jan. 13. Class 46.

Matulich, T. J., Co.: See—
Matulich, T. J.

McDowell Manufacturing Company, Millvale, Pa. Hand operated presses. Serial No. 512,186, Jan. 13. Class 23.

Mengel Company, The, Louisville, Ky. Wood veneer; plywood; hollow flush doors, etc. Serial No. 524,072, Jan. 13. Class 12.

Mennen Company, The, Newark, N. J. Deodorants. Serial No. 519,590, Jan. 13. Class 6.

Metcalf Brothers & Co., New York, N. Y. Woven woolen and worsted fabrics in the piece. Serial No. 525,632, Jan. 13. Class 42.

Microbore Company, Ferndale, Mich. Metal cutting tools. Serial No. 515,123, Jan. 13. Class 23.

Miller, Charles, Coat Company, Inc., New York, N. Y. Women's coats and suits. Serial No. 517,319, Jan. 13. Class 39.

Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Pigmented sealer and primer white paint ready for use. Serial No. 527,957, Jan. 13. Class 16.

Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Under coat, fume proof, eggshell, flat white and gloss interior wall finish paint. Serial No. 527,958, Jan. 13. Class 16.

Mohawk Rubber Company, The, Akron, Ohio. Mold gum. Serial No. 521,674, Jan. 13. Class 35.

Monsanto Chemical Company, St. Louis, Mo. Thread and yarns. Serial No. 521,748, Jan. 13. Class 43.

Moran, R. J., Co., Boston, Mass. Diuretic medicine. Serial No. 523,977, Jan. 13. Class 6.

Motloid Company, Inc., The, Chicago, Ill. Acrylic denture base materials; acrylic repair material for dentures, acrylic tray material, etc. Serial No. 515,510, Jan. 13. Class 44.

Naco Fertilizer Company, New York, N. Y. Fertilizers. Serial No. 519,615, Jan. 13. Class 10.

Naco Fertilizer Company, New York, N. Y. Fertilizers. Serial No. 520,781, Jan. 13. Class 10.

Newton, Earl W., Chicago, Ill. Beverage glasses. Serial No. 521,459, Jan. 13. Class 33.

New Way Co., Inc., St. Paul, Minn. Steam garment finisher. Serial No. 503,924, Jan. 13. Class 24.

Nilonk Pottery & Tile Company, Little Rock, Ark. Vitri-fied chinaware. Serial No. 521,996, Jan. 13. Class 30.

North Products Corp., Chicago, Ill. Hand cleaner preparation. Serial No. 518,479, Jan. 13. Class 4.

Northrop-Hendy Co., Hawthorne, Calif. Gas turbines, axial flow compressors for fluids, accessories, etc. Serial No. 499,344, Jan. 13. Class 23.

LIST OF TRADE-MARK APPLICANTS

Novo Process Co.: See—
Benedict, Irving H.

Okes & Company, Chicago, Ill. Ready-mixed paints, cold water paints, floor sealers, etc. Serial No. 525,386, Jan. 13. Class 16.

Oklahoma Clothing Manufacturers, Oklahoma City, Okla. Boys' clothing. Serial No. 501,923, Jan. 13. Class 39.

Ouerbacker Coffee Co., The, Louisville, Ky., assignor to David G. Evans Coffee Company, St. Louis, Mo. Peanut butter. Serial No. 515,328, Jan. 13. Class 46.

Owen, R. C., Company, Gallatin, Tenn. Chewing tobacco. Serial No. 521,277, Jan. 13. Class 17.

Owen, R. C., Company, Gallatin, Tenn. Natural-leaf twist tobacco. Serial No. 521,283, Jan. 13. Class 17.

Pacific Air motive Corporation: See—
Airplane Manufacturing & Supply Corporation.

Parfums Chiron, Société à Responsabilité Limitée, Mont-rouge, France. Perfumes, toilet waters, rouge, etc. Serial No. 517,513, Jan. 13. Class 6.

Patterson-Sargent Company, The, Cleveland, Ohio. Floor enamels containing oil, varnish and coloring material. Serial No. 500,121, Jan. 13. Class 16.

Pearlduck, Inc., New York, N. Y. Razors, scissors, shears, etc. Serial No. 518,364, Jan. 13. Class 33.

Penberthy Injector Company, Detroit, Mich. Liquid level indicators. Serial No. 515,678, Jan. 13. Class 26.

Penn Tool Co., Inc., Philadelphia, Pa. Hand tools. Serial No. 504,999, Jan. 13. Class 23.

Peoples Packing Corporation, San Diego, Calif. Canned fish. Serial No. 523,037, Jan. 13. Class 46.

Perkins Soap Company, Springfield, Mass. Textile soap. Serial Nos. 528,884-5, Jan. 13. Class 4.

Pfizer, Chas., & Co., Inc., New York, N. Y. Streptomycin preparation. Serial No. 526,914, Jan. 13. Class 6.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs and insulated picnic boxes. Serial No. 499,003, Jan. 13. Class 2.

Pool, Clarence, doing business as Hydropack, Los Angeles, Calif. Dinner and kitchen ware. Serial No. 511,434, Jan. 13. Class 2.

Poor, Edward E., Jr., doing business as Amherst Blanket Co., Passaic, N. J. Disposable bedding of paper. Serial No. 517,338, Jan. 13. Class 37.

Porterville Vegetable Growers Inc., Porterville, Calif. Fresh vegetables. Serial No. 498,452, Jan. 13. Class 46.

Preservative Products Company, New York, N. Y. Chemically altered linseed oil. Serial No. 507,023, Jan. 13. Class 6.

Preservative Products Company, New York, N. Y. Liquid compositions for treating cement surfaces. Serial No. 515,275, Jan. 13. Class 12.

Prestitute Engineering Company, The, St. Louis, Mo. Dry powdered asphalt compounded with other ingredients. Serial No. 527,132, Jan. 13. Class 12.

Prestitute Engineering Company, The, St. Louis, Mo. Asphalt compounded with other ingredients. Serial No. 527,168, Jan. 13. Class 12.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 524,477, Jan. 13. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 524,621, Jan. 13. Class 4.

Publicker Industries Inc., Philadelphia, Pa. Denatured alcohol and antifreeze preparations. 526,795, Jan. 13. Class 6.

Puhl, John, Products Company, The, Chicago, Ill. Laundry bleach compound. Serial No. 528,119, Jan. 13. Class 6.

Pull-The-String Mailing Wrapper Co.: See—
Roden, E. H.

Quellette, Edward C., Houston, Tex. Granular clay preparation. Serial No. 511,182, Jan. 13. Class 4.

Radio Corporation of America, New York, N. Y. Set screw wrenches. Serial No. 525,950, Jan. 13. Class 23.

Rapids-Standard Company, Inc., The, Grand Rapids, Mich. Molded plastic wheels. Serial No. 509,876, Jan. 13. Class 23.

Riordan, Harold P., Dallas, Tex. Wheel balancer. Serial No. 510,027, Jan. 13. Class 26.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills Incorporated. Cotton piece goods treated to render the same weather resistant. Serial No. 486,119, Jan. 13. Class 42.

Robbins, Julius, Los Angeles, Calif. Cleansing face cream. Serial No. 528,706, Jan. 13. Class 6.

Robbins & Naumburg Co., New York, N. Y. Men's hose. Serial No. 499,283, Jan. 13. Class 39.

Robertson, H. H., Company, Pittsburgh, Pa. Paints. Serial No. 483,152, Jan. 13. Class 16.

Roden, E. H., doing business as Pull-The-String Mailing Wrapper Co., Chicago, Ill. Mailing wrapper. Serial No. 480,389, Jan. 13. Class 37.

Rose, Irvin A., doing business as Cleveland Tobacco Company, Cleveland, Ohio. Smoking tobacco. Serial No. 525,250, Jan. 13. Class 17.

Rothwell Ceramic Laboratories: See—
Rothwell, Peter.

Rothwell, Peter, doing business as Rothwell Ceramic Laboratories, Buffalo, N. Y. Artificial teeth in various forms. Serial No. 511,039, Jan. 13. Class 44.

Rubank, Inc., Chicago, Ill. Sheet music and music books. Serial No. 529,933, Jan. 13. Class 38.

Schalk Chemical Company, Los Angeles, Calif. Paint brush cleaner. Serial No. 528,587, Jan. 13. Class 16.

Schreiber Milling and Grain Company, St. Joseph, Mo. Feed for livestock and poultry. Serial No. 523,016, Jan. 13. Class 46.

Schurman, Clyde, doing business as Schurman Machine Works, Woodland, Wash. Machine. Serial No. 518,485, Jan. 13. Class 23.

Schurman Machine Works: See—
Schurman, Clyde.

Schutte, William H., North Hollywood, Calif. Self luminous washers of transparent plastic material. Serial No. 497,882, Jan. 13. Class 50.

Scurlock, James C., Hawthorne, Calif. Light-weight construction panel. Serial No. 508,071, Jan. 13. Class 12.

Sea Cadets of America, The, Milwaukee, Wis. Instruction books or handbooks. Serial No. 516,584, Jan. 13. Class 38.

Sessions Company, Inc., Enterprise, Ala. Peanut butter. Serial No. 523,327, Jan. 13. Class 46.

Sicca Soya Paint Co., Inc., Peoria, Ill. Paints and paint enamels. Serial No. 493,836, Jan. 13. Class 16.

Skater Manufacturing Co., Inc., New York, N. Y. Fountain pens. Serial No. 519,350, Jan. 13. Class 37.

Skyline Turkey Hatchery, Worthington, Minn. Live turkey poulters. Serial No. 492,525, Jan. 13. Class 46.

Smith, Olive, assignor to Consolidated Cosmetics, Chicago, Ill. Lipstick, face powder, hand lotion, etc. Serial No. 518,915, Jan. 13. Class 6.

Societe Anonyme des Etablissements Gringoire, Pithiviers, France. Ginger bread, honey, cakes, etc. Serial No. 518,369, Jan. 13. Class 46.

Societe Anonyme des Etablissements Gringoire, Pithiviers, France. Ginger bread. Serial No. 518,370, Jan. 13. Class 46.

Sorority Miss Underwear Co., Inc., New York, N. Y. Ladies' pajamas, slips, night gowns, etc. Serial No. 523,164, Jan. 13. Class 39.

Southern Mills, Incorporated, Atlanta, Ga. Knitted napped laundry padding. Serial No. 516,645, Jan. 13. Class 24.

Spacarb, Inc., Dover, Del., and New York, N. Y. Manually operated soda fountains. Serial No. 520,064, Jan. 13. Class 23.

Standard Alcohol Company, New York, N. Y. Petroleum base preparation. Serial No. 510,210, Jan. 13. Class 15.

Stewart-Warner Corporation, Chicago, Ill. Lubricant feeder valves. Serial No. 478,725, Jan. 13. Class 23.

Sunalt Farms: See—
Elmore and Stahl.

Swift, B. & P., Limited, Ealing and London, England. Weighing scales and weighing machines. Serial No. 498,812, Jan. 13. Class 26.

Tennessee Newspapers, Inc., Nashville, Tenn. Newspaper feature column. Serial No. 508,066, Jan. 13. Class 37.

Tidy House Products Company, Des Moines, Iowa. Scratch and mar remover for furniture. Serial No. 509,798, Jan. 13. Class 16.

Treesdale Laboratories, Inc., Pittsburgh, Pa. Liquid detergent composition. Serial No. 504,222, Jan. 13. Class 4.

Treesdale Laboratories, Inc., Pittsburgh, Pa. Liquid detergent and general cleansing compositions. Serial No. 504,223, Jan. 13. Class 4.

Turner Mfg. Company, Chicago, Ill. Wall mirrors. Serial No. 515,641, Jan. 13. Class 32.

Tykor Products, Inc., New York, N. Y. Cleaning, washing, detergent and grease solvent compounds. Serial No. 511,772, Jan. 13. Class 4.

United States Plywood Corporation, New York, N. Y. General shipping boxes and tubing. Serial No. 493,302, Jan. 13. Class 2.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Wax emulsion for coating rubber products. Serial No. 510,218, Jan. 13. Class 6.

Vanderbilt, R. T., Co., Inc., New York, N. Y. Clay carrier or diluent. Serial No. 522,982, Jan. 13. Class 6.

Victaulic Company of America, New York, N. Y. Pipe couplings. Serial No. 516,515, Jan. 13. Class 13.

Vita-Var Corporation, Newark, N. Y. Waterproofing compound for wood, brick, concrete, etc. Serial No. 473,353, Jan. 13. Class 12.

Wanskuck Company, Providence, R. I., and New York, N. Y. Woven woolen and worsted fabrics in the piece. Serial No. 528,547, Jan. 13. Class 42.

Webb Corporation, The, Webb City, Mo. Plate bending rolls, gear reduction units (gear trains), speed reducers, etc. Serial No. 518,592, Jan. 13. Class 23.

Webb, John M., doing business as John Mcd. Webb Associates, Minneapolis, Minn. After shave lotion. Serial No. 526,674, Jan. 13. Class 6.

Webb, John Mcd., Associates: See—
Webb, John M.

Weiner, Martin, Corp., Clifton, N. J., and New York, N. Y. Rayon, cotton, linen, etc., goods in the piece. Serial No. 529,217, Jan. 13. Class 42.

West Creek Hosiery Co., Tuckerton, N. J. Hosiery. Serial No. 507,448, Jan. 13. Class 39.

LIST OF TRADE-MARK APPLICANTS

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets and papereries. Serial No. 526,122, Jan. 13, Class 37.
 Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; loose writing paper; envelopes, etc. Serial No. 526,123, Jan. 13, Class 37.
 Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,130, Jan. 13, Class 37.
 Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets and scrap books, photograph or autograph albums, etc. Serial No. 526,131, Jan. 13, Class 37.
 Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data or order books; and loose writing paper, etc. Serial No. 526,132, Jan. 13, Class 37.
 Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,138, Jan. 13, Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories: See—
 Milliken, John T., & Company.
 Abitante & Nola Packing Co., San Jose, Calif. Dried fruits, canned fruits, and canned vegetables. 435,842, Jan. 13; Serial No. 499,457, published Oct. 14, 1947. Class 46.
 Academy Award Products, Inc., New York, N. Y. Table glassware. 435,844, Jan. 13; Serial No. 500,447, published Sept. 23, 1947. Class 33.
 Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France. Thread and yarn. 22,384, re-renewed Jan. 31, 1943. O. G. Jan. 13, Class 43.
 Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France. Thread and yarn. 22,386, re-renewed Jan. 31, 1943. O. G. Jan. 13, Class 43.
 American Crayon Company, The, Sandusky, Ohio. Writing ink. 231,271, renewed Aug. 16, 1947. O. G. Jan. 13, Class 11.
 American Malze-Products Company, New York, N. Y. Stabilizer produced from waxy maize (amloca) for water emulsions. 435,855, Jan. 13; Serial No. 505,470, published Oct. 7, 1947. Class 46.
 American Smelting and Refining Company, New York, N. Y. Salts, acids, and compounds made from non-ferrous metals. 229,786, renewed July 5, 1947. O. G. Jan. 13, Class 6.
 American Smelting and Refining Company, New York, N. Y. Lead traps, bends, flanges, etc. 229,812, renewed July 5, 1947. O. G. Jan. 13, Class 13.
 American Stove Company, St. Louis, Mo. Coal and wood cooking stoves and ranges and gas, etc. 64,652, re-renewed Aug. 20, 1947. O. G. Jan. 13, Class 34.
 American Sugar Refining Company, The, New York, N. Y. Syrup. 121,537, May 7, 1918. Republished Jan. 13, Class 46.
 Andrew's Coffee Co., New York, N. Y. Coffee. 435,888, Jan. 13; Serial No. 513,997, published Sept. 30, 1947. Class 46.
 Animal Trap Company of America, Lititz, Pa. Rodent traps. 435,874, Jan. 13; Serial No. 511,130, published Oct. 21, 1947. Class 50.
 Arabol Mfg. Co., The, New York, N. Y. Mucilage, glue, shoe cement, etc. 435,883, Jan. 13; Serial No. 512,480, published May 13, 1947. Class 5.
 Argo Knitting Mills, Inc., assignee: See—
 Rosen, M., & Company.
 Ark Bakers, assignor to Ark Bakers, Inc., Wichita, Kans. Bread. 435,830, Jan. 13; Serial No. 489,032, published Oct. 14, 1947. Class 46.
 Ark Bakers, Inc., assignee: See—
 Ark Bakers.
 Arkansas Soft Pine Bureau, Little Rock, Ark. Rough lumber, common lumber dressed on one side only, and dressed lumber. 110,196, May 9, 1916. Republished Jan. 13, Class 12.
 Arma Corporation, assignee: See—
 Pollak Manufacturing Company.
 Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Slip-soles for shoes. 120,057, Jan. 8, 1918. Republished Jan. 13, Class 39.
 Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Publications issued regularly bimonthly. 125,953, July 22, 1919. Republished Jan. 13, Class 38.
 Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Bottle and prescription corks. 128,612, Jan. 13, 1920. Republished Jan. 13, Class 50.
 Armstrong Mfg. Co., Bridgeport, Conn. Threading and cutting-off machines. 68,005, re-renewed Mar. 3, 1948. O. G. Jan. 13, Class 23.
 Atkins, E. C., and Company, Indianapolis, Ind. Saws of all kinds. 82,950, Aug. 8, 1911. Republished Jan. 13, Class 23.

White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. Serial No. 520,662, Jan. 13, Class 38.
 Winter, Jack, Inc., Milwaukee, Wis. Wearing apparel. Serial No. 517,393, Jan. 13, Class 39.
 Wolff, Simon, doing business as Simon Wolff & Co., New York, N. Y. Hosiery and knit underwear. Serial No. 511,526, Jan. 13, Class 39.
 Wolff, Simon, & Co.: See—
 Wolff, Simon.
 World-Wide Importing Company: See—
 Allied Importing Company.
 Worth Lacquer and Chemical Company, Long Island City, N. Y., assignor to Worth Lacquer and Chemical Company, Inc. Rubberized liquid lacquer. Serial No. 508,350, Jan. 13, Class 16.
 Worth Lacquer and Chemical Company, Inc.: See—
 Worth Lacquer and Chemical Company.
 Yorkville Paper Co. Inc., New York, N. Y. Cartons. Serial No. 507,451, Jan. 13, Class 2.

Atkins, E. C., and Company, Indianapolis, Ind. Saws of all kinds. 92,033, June 17, 1913. Republished Jan. 13, Class 23.
 Atlantic Laboratories, Inc., Paltides Park, N. J. Printed charts in the nature of a calendar having an adjustable indicator. 435,857, Jan. 13; Serial No. 505,677, published Aug. 26, 1947. Class 26.
 Aulabaugh Bros., Brosius, W. Va. Canned vegetables. 435,847, Jan. 13; Serial No. 500,731, published Oct. 14, 1947. Class 46.
 B. B. B. Pipe Co., Inc., to D. A. Schulte, Inc., New York, N. Y. Tobacco pipes, cigar and cigarette tubes and holders. 218,141, renewed Sept. 21, 1946. O. G. Jan. 13, Class 8.
 B. B. B. Pipe Co., Inc., to D. A. Schulte, Inc., New York, N. Y. Tobacco pipes, cigar and cigarette tubes and holders. 218,159, renewed Sept. 21, 1946. O. G. Jan. 13, Class 8.
 Barber, W. H., Company, Minneapolis, Minn. Lubricating oils and greases. 236,017, renewed Nov. 29, 1947. O. G. Jan. 13, Class 15.
 Bay State Milling Co., Winona, Minn. Wheat flour. 179,424, renewed Jan. 5, 1948. O. G. Jan. 13, Class 46.
 Bay State Optical Company, Attleboro, Mass. Spectacle frames. 435,919-20, Jan. 13; Serial Nos. 521,108-9, published Oct. 14, 1947. Class 26.
 Becken, A. C., Co.: See—
 Young, Otto.
 Bendix Helicopter, Inc., New York, N. Y. Rotary wing aircraft. 435,932, Jan. 13, Class 19.
 Benjamin Electric Manufacturing Company, Des Plaines, Ill. Wireless plural receptacles, reflector sockets; skeleton reflector-holders. 125,962, July 22, 1919. Republished Jan. 13, Class 21.
 Benjamin & Johns, by Benjamin & Johns, Inc., Newark, N. J. Corsets, brassieres, and women's underwear of knitted or textile fabric. 180,463, Apr. 27, 1920. Republished Jan. 13, Class 39.
 Benjamin & Johns, Inc.: See—
 Benjamin & Johns.
 Berger, C. L., & Sons, Inc., Boston, Mass. Levels and transits. 236,621, renewed Dec. 20, 1947. O. G. Jan. 13, Class 26.
 Beverly Hills Wine Company, Syracuse, N. Y. Wines. 435,839, Jan. 13; Serial No. 497,062, published Sept. 24, 1946. Class 47.
 Bjorndal, Magnus, doing business as Tech Laboratories, Jersey City, N. J. Radiotransmitting and receiving instruments and parts. 435,929, Jan. 13, Class 21.
 Bloch, Julius, doing business as Brooks, San Francisco, Calif. Lens shades, photographic cameras, and parts thereof. 435,846, Jan. 13; Serial No. 500,644, published Aug. 26, 1947. Class 26.
 Bolton, John A., doing business as the Chilprufe Manufacturing Company, to Chilprufe Limited, Leicester, England. Woolen garments. 202,122, renewed Aug. 18, 1945. O. G. Jan. 13, Class 39.
 Borden Company, The, New York, N. Y. Combination stabilizer-emulsifier for ice cream. 435,880, Jan. 13; Serial No. 512,234, published Sept. 30, 1947. Class 46.
 Bosworth, Margaret L.: See—
 Howarth, John H.
 Bradham, Caleb D., Newbern, N. C., by Pepsi-Cola Company, Long Island City, N. Y. Flavoring-syrup for soda water. 40,619, June 16, 1903. Republished Jan. 13, Class 45.
 Bridges, Clyde L., doing business as Clyde L. Bridges Co., Dallas, Tex. Non-alcoholic, non-cereal, maltless beverages. 435,877, Jan. 13; Serial No. 511,595, published Sept. 30, 1947. Class 45.
 Bridges, Clyde L. Co.: See—
 Bridges, Clyde L.
 Brooks: See—
 Bloch, Julius.
 Brown-Bassman Co., New York, N. Y. Emulsified plastic coating composition. 435,853, Jan. 13; Serial No. 504,029, published June 24, 1947. Class 16.

LIST OF REGISTRANTS OF TRADE-MARKS

Brown & Bigelow, St. Paul, Minn. Monthly periodical. 92,944, Aug. 12, 1913. Republished Jan. 13, Class 38.
 Buckeye Cotton Oil Co., The, Cincinnati, Ohio. Cotton-seed roughage. 119,428, Nov. 20, 1917. Republished Jan. 13, Class 46.
 Bullet Recording & Transcription Co., Inc., Nashville, Tenn. Grooved phonograph records. 435,881, Jan. 13; Serial No. 512,236, published Sept. 23, 1947. Class 38.
 Burks-Hallman Co., Memphis, Tenn. Ready-mixed paint and varnish. 435,939, Jan. 13, Class 16.
 California and Hawaiian Sugar Refining Corporation, Ltd., San Francisco, Calif. Cane sugar syrups. 435,843, Jan. 13; Serial No. 500,519, published Oct. 14, 1947. Class 46.
 California Rex Spray Co., Benicia, Calif., to Rex Research Corporation, Toledo, Ohio. Fly repellent. 237,143, renewed Jan. 3, 1948. O. G. Jan. 13, Class 6.
 Calfrut Canning Company, Manteca, Calif. Canned fruits and canned vegetables. 435,911, Jan. 13; Serial No. 519,059, published Sept. 30, 1947. Class 46.
 Capitol Records, Inc., Hollywood, Calif. Steel phonograph needles. 435,918, Jan. 13; Serial No. 520,320, published Oct. 14, 1947. Class 36.
 Caplan, Benjamin, doing business as Purity Beverage Co., Wilmington, Del. Non-alcoholic, maltless, and carbonated beverages. 435,861, Jan. 13; Serial No. 506,921, published Oct. 14, 1947. Class 45.
 Carpenter, L. E., & Company, Wharton, N. J. Resinous coated fabrics in the nature of artificial leather. 435,903, Jan. 13; Serial No. 516,533, published Oct. 14, 1947. Class 50.
 Central Paper Company: See—
 Liberty Paper Co.
 Century Projector Corporation, New York, N. Y., and elsewhere. Moving picture projectors and parts thereof. 435,878, Jan. 13; Serial No. 511,727, published Aug. 26, 1947. Class 26.
 Chateau Wines Corporation, Royal Oak, Mich. Wines. 435,882, Jan. 13; Serial No. 512,382, published Sept. 30, 1947. Class 47.
 Chilprufe Manufacturing Company, The: See—
 Bolton, John A.
 Coast Manufacturing & Supply Company, Livermore, Calif. Safety fuses. 238,605, renewed Feb. 14, 1948. O. G. Jan. 13, Class 9.
 Cock 'n Bull Products, Hollywood, Calif. Plum pudding. 435,910, Jan. 13; Serial No. 518,752, published Oct. 7, 1947. Class 46.
 Colgate & Company, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 167,949, renewed Jan. 5, 1948. O. G. Jan. 13, Class 4.
 Colgate-Palmolive-Peet Company: See—
 Colgate & Company.
 Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Lithographic offset blankets. 435,859, Jan. 13; Serial No. 506,010, published Sept. 9, 1947. Class 50.
 Columbian Enameling & Stamping Co., by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Enameled steel teapots, coffee-pots, and bignins, etc. 89,539, Dec. 24, 1912. Republished Jan. 13, Class 13.
 Columbian Enameling & Stamping Co., Inc.: See—
 Columbian Enameling & Stamping Co.
 Concert Hall Society, Inc., New York, N. Y. Mechanically grooved phonograph records. 435,928, Jan. 13; Serial No. 522,814, published Oct. 21, 1947. Class 36.
 Conklin, E. W., & Sons: See—
 Conklin, Horace E.
 Conklin, Horace E., doing business as E. W. Conklin & Sons, Binghamton, N. Y., to The Philadelphia Seed Company, Philadelphia, Pa. Grass, field, and agriculture seeds, and seed grains. 237,548, renewed Jan. 10, 1948. O. G. Jan. 13, Class 1.
 Conklin Pen Company, Inc., The: See—
 Conklin Pen Manufacturing Co., The.
 Conklin Pen Manufacturing Co., The, Toledo, Ohio, to The Conklin Pen Company, Inc., Chicago, Ill. Fountain pens. 138,382, renewed Jan. 5, 1948. O. G. Jan. 13, Class 37.
 Conley Camera Company, to Waters Conley Company, Rochester, Minn. Phonographs, reproducers, tone arms, etc. 230,647, renewed Aug. 2, 1947. O. G. Jan. 13, Class 36.
 Cosby-Hodges Milling Company, Incorporated, Birmingham, Ala. Stock and poultry feed. 236,658, renewed Dec. 20, 1947. O. G. Jan. 13, Class 46.
 Crane-Ferry Company, Los Angeles, Calif. Semi-paste wall paint. 435,849, Jan. 13; Serial No. 501,118, published Sept. 9, 1947. Class 16.
 Crown Controls Company, assignor to Crown Controls Company, Inc., New Bremen, Ohio. Electrical temperature control mechanism. 436,848, Jan. 13; Serial No. 500,742, published Aug. 26, 1947. Class 26.
 Crown Controls Company, Inc., assignee: See—
 Crown Controls Company.
 Davies, Theo. H., Company, Ltd., Honolulu, Hawaii, by The J. B. Inderrieden Co., Chicago, Ill. Canned pineapple. 84,819, Jan. 9, 1912. Republished Jan. 13, Class 46.
 Dawn Donut Company of Jackson, Jackson, Mich. Doughnuts and doughnut mixture. 226,173, renewed Apr. 5, 1947. O. G. Jan. 13, Class 46.

Dextora Company: See—
 Four Roses Malt Extract Co.
 Diamond Chain Company, Inc.: See—
 Diamond Chain and Manufacturing Company.
 Diamond Chain and Manufacturing Company, to Diamond Chain Company, Inc., Indianapolis, Ind. Chains, machine-made chains, bicycle chains, etc. 228,184, renewed Jan. 31, 1948. O. G. Jan. 13, Class 13.
 Diamond T Motor Car Company, Chicago, Ill. Motor cars and trucks. 110,814, June 13, 1916. Republished Jan. 13, Class 19.
 Diamond T Motor Car Company, Chicago, Ill. Motor cars and trucks. 110,816, June 13, 1916. Republished Jan. 13, Class 19.
 Diamond T Motor Car Company, Chicago, Ill. Motor cars and trucks. 121,419, Apr. 30, 1918. Republished Jan. 13, Class 19.
 Dietz, R. E., Company, New York, N. Y. Glass globes and chimneys. 67,585, re-renewed Feb. 11, 1948. O. G. Jan. 13, Class 33.
 Doan Manufacturing Corp., Cleveland, Ohio. Automobile floor mats. 435,851, Jan. 13; Serial No. 501,647, published Sept. 2, 1947. Class 50.
 Dollfus-Mieg & Cie. Societe Anonyme: See—
 Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie.
 Dunham, Thomas C., Inc., Long Island City, N. Y. Quick-drying enamel paint. 435,885-6, Jan. 13; Serial Nos. 512,824-5, published Sept. 9, 1947. Class 16.
 Dunhill, Alfred, of London, Inc., New York, N. Y. Smoking tobacco, chewing tobacco, and snuff. 435,850, Jan. 13; Serial No. 501,243, published Oct. 21, 1947. Class 17.
 Eagle Pencil Company, New York, N. Y. Lead pencils. 232,824, renewed Sept. 20, 1947. O. G. Jan. 13, Class 37.
 Elsenstat, David, New York, N. Y. Electrical apparatus. 435,945, Jan. 13, Class 21.
 Elsheet Manufacturing Co., Inc., Rochester, N. Y. Photographic lenses. 435,858, Jan. 13; Serial No. 505,953, published Aug. 26, 1947. Class 26.
 Elgin Softener Corporation, Elgin, Ill. Preneutralized coagulants for use in liquid clarification. 435,942, Jan. 13, Class 6.
 Ellenville Wood Novelty Co., Inc., Ellenville, N. Y. Wooden nut bowls with mallet and picks. 435,946, Jan. 13, Class 50.
 Esquire, Inc.: See—
 Men's Wear Service Corporation, The.
 Essential Books, New York, N. Y. Books and pamphlets. 435,930, Jan. 13, Class 38.
 Etablissements F. Vibert, Société Anonyme: See—
 Vibert, R. Laurent.
 Evershed & Vignoles Ltd., London, England. Electric testing apparatus. 64,980, re-renewed Sept. 3, 1947. O. G. Jan. 13, Class 26.
 Fairly Silk Mills, Shillington, Pa. Ladies' and children's underwear. 238,091, renewed Feb. 14, 1948. O. G. Jan. 13, Class 39.
 Falstaff Brewing Corporation: See—
 Lemp, Wm. J., Brewing Co.
 Fips Food Company, Alexandria, Va., and Minneapolis, Minn. Corn chips. 435,894, Jan. 13; Serial No. 515,025, published Oct. 7, 1947. Class 46.
 Fiske Inc., Anburndale, Mass. Wax candles and glass cups. 435,933, Jan. 13, Class 50.
 Flour Mills of America, Inc., doing business as Valler & Spies Milling Company, Kansas City and St. Louis, Mo. Wheat flour. 435,918, Jan. 13; Serial No. 519,860, published Oct. 7, 1947. Class 46.
 Flying Tigers (American Volunteer Group-Chinese Air Force) Incorporated, The, New York, N. Y. Lapel buttons. 435,905-7, Jan. 13; Serial Nos. 518,665-7, published Oct. 21, 1947. Class 50.
 Foley & Company, Chicago, Ill. Cold, cough, lung, and bronchial medicines, laxatives and cathartics, etc. 128,697, Jan. 13, 1920. Republished Jan. 13, Class 6.
 Foley & Company, Chicago, Ill. Cold, cough, lung, and bronchial medicines, laxatives and cathartics, etc. 129,456, Feb. 24, 1920. Republished Jan. 13, Class 6.
 Four Roses Malt Extract Co., Cincinnati, Ohio, to Dextora Company, Indianapolis, Ind. Malt extracts for food purposes. 237,424, renewed Jan. 10, 1948. O. G. Jan. 13, Class 46.
 Frankau, Adolph & Co. Ltd., London, England, to D. A. Schulte, Inc., New York, N. Y. Tobacco-pipes, cigar and cigarette tubes. 53,968, re-renewed June 19, 1946. O. G. Jan. 13, Class 8.
 Frankau, Adolph & Co. Ltd., London, England, to D. A. Schulte, Inc., New York, N. Y. India-rubber and gutta-percha pouches and receptacles for holding tobacco. 55,031, re-renewed Aug. 7, 1946. O. G. Jan. 13, Class 8.
 Franklin Sugar Refining Company, The, Philadelphia, Pa. Granulated sugar. 112,658, Sept. 19, 1916. Republished Jan. 13, Class 46.
 Furrnoto Chemical Company: See—
 Thornfield, Charles.
 General Aniline & Film Corporation, New York and Binghamton, N. Y. Photographic cameras. 435,833, Jan. 13; Serial No. 495,663, published Mar. 4, 1947. Class 26.
 George Importing Company: See—
 Ungar, George.

Getzoff, George, doing business as Standard Flavors Company, New York, N. Y. Food flavoring extract. 435,914, Jan. 13; Serial No. 519,326, published Oct. 14, 1947. Class 46.

Globe-Wernicke Co., The, Cincinnati, Ohio. Bookcases, filing-cabinets, filing-cases, etc. 121,180, Apr. 16, 1918. Republished Jan. 13. Class 32.

Golden Ridge Orchards Company, The, Milton, N. Y. Fresh deciduous fruits and vegetables. 435,828, Jan. 13; Serial No. 483,542, published Sept. 30, 1947. Class 46.

Goldman Costume Co., by M & W Thomas Co., New York, N. Y. Silk piece goods. 109,530, Apr. 11, 1916. Republished Jan. 13. Class 42.

Graves, C. H., & Sons Company: See—
Zakon, William, & Sons.

Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. 238,809, renewed Feb. 14, 1948. O. G. Jan. 13. Class 12.

Gulfport Canning and Packing Co.: See—
Johnson Canning Company.

Hansen Glove Corporation: See—
Hansen, O. C., Mfg. Co.

Hansen, O. C., Mfg. Co., by Hansen Glove Corporation, Milwaukee, Wis. Gloves. 128,990, Jan. 20, 1920. Republished Jan. 13. Class 39.

Hearst Corporation, The: See—
King Features Syndicate, Inc.

Heide, Henry, Incorporated, New York, N. Y. Candy. 435,900, Jan. 13; Serial No. 516,075, published Oct. 7, 1947. Class 46.

Hemingray Glass Co., Muncie, Ind., and Covington, Ky., by Owens-Illinois Glass Company, Toledo, Ohio. Electric, telegraph, telephone, cable, street-railway, and floor insulators, and break-knobs of glass. 78,096, May 31, 1910. Republished Jan. 13. Class 21.

Hewitt Bros. Soap Co., The, by The Hewitt Soap Company, Inc., Dayton, Ohio. Flaked laundry soap. 125,140, Apr. 15, 1919. Republished Jan. 13. Class 4.

Hewitt Soap Company, Inc., The: See—
Hewitt Bros. Soap Co., The.

Kirk, James S., & Company.

Higginsville Milling Company: See—
Higginsville Milling Company, The.

Higginsville Milling Company, The, to C. B. Stout, doing business as Higginsville Milling Company, Higginsville, Mo. Wheat flour. 59,873, re-renewed Jan. 22, 1947. O. G. Jan. 13. Class 46.

Hilker-Wiechers Manufacturing Co., The, Racine, Wis., by John Rissman & Son, Chicago, Ill. Men's shirts for outer wear. 124,537, Feb. 25, 1919. Republished Jan. 13. Class 39.

Hockaday, Inc.: See—
Morgan Company, The.

Hoover Company, The, assignee: See—
Hoover Suction Sweeper Company.

Hoover Suction Sweeper Company, The, assignor to The Hoover Company, North Canton, Ohio. Electric suction sweepers. 165,890, renewed Jan. 5, 1948. O. G. Jan. 13. Class 21.

Howarth, John H., New Haven, Conn., to M. L. Bosworth, White Plains, N. Y. Remedy for rheumatism and gout. 66,645, re-renewed Dec. 17, 1947. O. G. Jan. 13. Class 6.

Hunt & Winterbottom Limited, Cam, England. Plastic-surfaced textile fabrics resembling leather. 435,832, Jan. 13; Serial No. 495,386, published Sept. 9, 1947. Class 50.

Hygrade Meat Packing Co., El Monte, Calif. Canned dog and cat food. 435,915, Jan. 13; Serial No. 519,822, published Sept. 30, 1947. Class 46.

Imperial Baker Co., Brooklyn, N. Y. China and hand-painted china. 435,872-3, Jan. 13; Serial Nos. 511,089-90, published Sept. 16, 1947. Class 30.

Inderrieden, J. B., Co., The: See—
Davies, Theo H., Company Ltd.

Waukesha Canning Co.

Industrial Tape Corporation, North Brunswick Township, Middlesex County, N. J. Plastic coated mending tape. 435,827, Jan. 13; Serial No. 474,167, published Mar. 6, 1945. Class 5.

Inland Empire Paper Company, Millwood, Wash., by Zellerbach Paper Company, San Francisco, Calif. Writing and bond papers. 109,899, Apr. 25, 1916. Republished Jan. 13. Class 37.

International Register Company, Chicago, Ill. Cutting machines. 233,331, renewed Sept. 27, 1947. O. G. Jan. 13. Class 23.

Jacquin, Charles, et Cie, Inc., Philadelphia, Pa. Brandy, gin, rum, etc. 435,863, Jan. 13; Serial No. 508,465, published Oct. 14, 1947. Class 46.

Jed Venetian Blind Supply Co.: See—
King, Norene E.

Jenny Optical Company: See—
Mullen, John E.

Johnson Canning Company, to F. E. Johnson, doing business as Gulfport Canning and Packing Co., Biloxi, Miss. Canned oysters and shrimp. 237,826, renewed Jan. 17, 1948. O. G. Jan. 13. Class 46.

Johnson, F. E.: See—
Johnson Canning Company.

Jordan Marsh Company, Boston, Mass. Bias-fold tape. 232,544, renewed Sept. 13, 1947. O. G. Jan. 13. Class 40.

Kaakinen Fish Company, Westport, Wash. Canned fish and canned shell fish. 435,852, Jan. 13; Serial No. 503,576, published Oct. 14, 1947. Class 46.

Kansas Milling Company, The, Wichita, Kans. Wheat flour. 231,059, renewed Aug. 9, 1947. O. G. Jan. 13. Class 46.

Kelco Company, San Diego, Calif. Algin product. 435,904, Jan. 13; Serial No. 516,855, published Sept. 30, 1947. Class 46.

Kent Products Company, Chicago, Ill. Filter type glass coffee makers. 435,876, Jan. 13; Serial No. 511,477, published Oct. 7, 1947. Class 33.

Keyes Fibre Company: See—
Keyes Fibre Company, Inc.

Keyes Fibre Company, Fairfield, by Keyes Fibre Company (1935), Waterville, Maine. Molded pulp plates and dishes. 72,284, Jan. 12, 1909. Republished Jan. 13. Class 2.

Keyes Fibre Company, Fairfield, by Keyes Fibre Company (1935), Waterville, Maine. Molded pulp plates and dishes. 72,457, Jan. 26, 1909. Republished Jan. 13. Class 2.

Keyes Fibre Company, Waterville, Maine. Molded pulp packing devices. 344,854-5, Apr. 6, 1937. Republished Jan. 13. Class 2.

Keyes Fibre Company, Waterville, Maine. Containers. 346,336, May 25, 1937. Republished Jan. 13. Class 2.

Keyes Fibre Company, Waterville, Maine. Molded pulp plates. 369,878, Aug. 8, 1939. Republished Jan. 13. Class 2.

Keyes Fibre Company, Waterville, Maine. Resin-bearing fibrous articles. 383,958, Dec. 31, 1940. Republished Jan. 13. Class 2.

Keyes Fibre Company, Waterville, Maine. Molded pulp packing sheets. 383,977, Dec. 31, 1940. Republished Jan. 13. Class 2.

Keyes Fibre Company, Waterville, Maine. Molded resin-bearing fibrous frames, covers, and miscellaneous, detail parts for typewriters, adding machines, etc. 395,599, June 2, 1942. Republished Jan. 13. Class 23.

Keyes Fibre Company, Waterville, Maine. Resin-bearing fibrous articles. 395,768, June 9, 1942. Republished Jan. 13. Class 2.

Keyes Fibre Company, Waterville, Maine. Mold charge in the nature of a molding compound. 398,406, July 14, 1942. Republished Jan. 13. Class 1.

Keyes Fibre Company, Waterville, Maine. Molded pulp protective packing sheets and pads. 408,864, Aug. 29, 1944. Republished Jan. 13. Class 50.

Keyes Fibre Company, Waterville, Maine. Molded pulp plates, dishes, trays, etc. 408,909, Sept. 5, 1944. Republished Jan. 13. Class 2.

Keyes Fibre Company, Waterville, Maine. Printed publication in the nature of a house organ published from time to time. 417,743, Nov. 13, 1945. Republished Jan. 13. Class 38.

Keyes Fibre Company, Inc., by Keyes Fibre Company, Waterville, Maine. Plates and dishes. 264,917, Dec. 10, 1929. Republished Jan. 13. Class 2.

Keyes Fibre Company, Inc., by Keyes Fibre Company, Waterville, Maine. Plates and dishes. 269,697, Apr. 15, 1930. Republished Jan. 13. Class 2.

Keyes Fibre Company, Inc., by Keyes Fibre Company, Waterville, Maine. Plates, dishes, food packing and shipping dishes, etc. 272,438, July 8, 1930. Republished Jan. 13. Class 2.

Keyes Fibre Company, Inc., by Keyes Fibre Company, Waterville, Maine. Plates and dishes. 274,009, Aug. 19, 1930. Republished Jan. 13. Class 2.

Keyes Fibre Company, Inc., by Keyes Fibre Company, Waterville, Maine. Protective gaskets and fillers of moulded pulp. 300,661, Jan. 31, 1933. Republished Jan. 13. Class 2.

Keyes Fibre Company, Inc., by Keyes Fibre Company, Waterville, Maine. Plates and dishes. 303,802, June 6, 1933. Republished Jan. 13. Class 2.

Keyes Fibre Company, Inc., by Keyes Fibre Company, Waterville, Maine. Protective packing sheets of moulded pulp. 345,561, May 4, 1937. Republished Jan. 13. Class 2.

Keyes Fibre Company (1935): See—
Keyes Fibre Company.

King Bros.: See—
King Bros. Boiler Works.

King Bros. Boiler Works, doing business as King Bros., to King Bros., Inc., Portland, Ore. Coated steel interment vaults. 231,733, renewed Aug. 23, 1947. O. G. Jan. 13. Class 2.

King Bros., Inc.: See—
King Bros. Boiler Works.

King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Newspaper section. 231,594, renewed Aug. 23, 1947. O. G. Jan. 13. Class 38.

King, Norene E., doing business as Jed Venetian Blind Supply Co., Chicago, Ill. Venetian blind kits. 435,862, Jan. 13; Serial No. 507,259, published Aug. 26, 1947. Class 50.

Kirk, James S., & Company, Chicago, Ill., by The Hewitt Soap Company, Inc., Dayton, Ohio. Toilet soap. 123,723, Dec. 3, 1918. Republished Jan. 13. Class 4.

Krohn-Fechheimer Co., The, by The United States Shoe Corporation, Cincinnati, Ohio. Ladies leather shoes. 124,550, Feb. 25, 1919. Republished Jan. 13. Class 39.

Land O'Lakes Creameries, Inc.: See—
Land O'Lakes Creameries Inc.

Land O'Lakes Creameries Inc., to Land O'Lakes Creameries, Inc., Minneapolis, Minn. Sweet milk, condensed milk, powdered milk, etc. 232,493, renewed Sept. 13, 1947. O. G. Jan. 13. Class 46.

Lemp, Wm. J., Brewing Co., by Falstaff Brewing Corporation, St. Louis, Mo. Beer. 40,948-9, Aug. 18, 1903. Republished Jan. 13. Class 48.

Levinson, Stanley, doing business as Stanley Levinson Co., Los Angeles, Calif. Fresh vegetables and fruit deciduous fruits. 435,913, Jan. 13; Serial No. 519,131, published Oct. 7, 1947. Class 46.

Levinson, Stanley Co.: See—
Levinson, Stanley.

Liberty Paper Co., New York, N. Y., by Central Paper Company, Menasha, Wis. Gummed paper tape. 120,597, Feb. 19, 1918. Republished Jan. 13. Class 5.

Line-O-Scribe, Inc., Adrian, Mich., to Ray E. Morgan, doing business as The Morgan Company, Chicago, Ill. Printing machines. 237,733, renewed Jan. 17, 1948. O. G. Jan. 13. Class 23.

Loewenthal, Siegfried, Company, Cleveland, Ohio. Corn whiskey. 435,937, Jan. 13. Class 49.

Loew's Incorporated: See—
Metro-Goldwyn Pictures Corporation.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid concentrates or syrups for making the same. 435,908, Jan. 13; Serial No. 518,683, published Oct. 21, 1947. Class 46.

Lucas, John, & Co. to John Lucas & Company, Incorporated, Philadelphia, Pa. Green paint. 64,036, re-renewed July 23, 1907. O. G. Jan. 13. Class 16.

Lucas, John, & Company Incorporated: See—
Lucas, John, & Co.

M. V. Bloembollenbedrijf to Voortzetting der Firm M. Veldhuysen van Zanten & Zonen: See—
Van Zanten, M. Veldhuysen, & Zonen.

Maas & Waldstein Company, Newark, N. J. Baking primer composition. 435,829, Jan. 13; Serial No. 488,336, published Oct. 7, 1947. Class 16.

Marshall Field & Company, Chicago, Ill. Watches. 73,745, May 18, 1909. Republished Jan. 13. Class 27.

Master Bronze Powder Co., Hammond, Ind. Aluminum paints, aluminum paste, aluminum powder, etc. 435,891, Jan. 13; Serial No. 514,831, published Oct. 7, 1947. Class 16.

McCormick & Co., Incorporated, Baltimore, Md. Liquid-insecticide-spraying compositions. 237,373, renewed Jan. 10, 1948. O. G. Jan. 13. Class 6.

McGraw Electric Company: See—
Waters-Genter Company.

Mechanical Products Company, Plainfield, N. J. Dry cleaning machines. 435,892, Jan. 13; Serial No. 514,832, published Oct. 21, 1947. Class 24.

Men's Wear Service Corporation, The, to Esquire, Inc., Chicago, Ill. Monthly magazine. 230,031, renewed July 12, 1947. O. G. Jan. 13. Class 38.

Merton, Percy: See—
Merton, Percy Inc.

Merton, Percy, Inc., Park Ridge, N. J., to Percy Merton, New York, N. Y. Beach hats. 238,579, renewed Feb. 14, 1948. O. G. Jan. 13. Class 39.

Metro-Goldwyn Pictures Corporation, to Loew's Incorporated, New York, N. Y. Motion-picture films. 231,203, renewed Aug. 16, 1947. O. G. Jan. 13. Class 26.

Middleby-Marshall Oven Co., Chicago, Ill. Portable bake ovens. 237,729, renewed Jan. 17, 1948. O. G. Jan. 13. Class 34.

Milliken, John T., & Company, St. Louis, Mo., to Abbott Laboratories, North Chicago, Ill. Liquid digestive preparation. 238,497, renewed Feb. 7, 1948. O. G. Jan. 13. Class 6.

Mira Company, The, Atlanta, Ga. Non-alcoholic, non-cereal maltless beverages. 435,841, Jan. 13; Serial No. 498,161, published Jan. 7, 1947. Class 45.

Moller, Peter, A/S, Oslo, Norway. Cod-liver oil. 231,602, renewed Aug. 23, 1947. O. G. Jan. 13. Class 6.

Montague Rod and Reel Company, Montague City, Mass. Fishing rods. 435,940, Jan. 13. Class 22.

Moore, Benjamin, & Co., Flemington, N. J., and New York, N. Y. Mixed paints. 435,887, Jan. 13; Serial No. 513,328, published Sept. 16, 1947. Class 16.

Morgan Company, The: See—
Line-O-Scribe, Inc.

Morgan Company, The, Peoria, to Hockaday, Inc., Chicago, Ill. Flat wall paint. 234,626, renewed Nov. 1, 1947. O. G. Jan. 13. Class 16.

Morgan Company, The, Peoria, to Hockaday, Inc., Chicago, Ill. Wall paint. 235,294, renewed Nov. 15, 1947. O. G. Jan. 13. Class 16.

Morgan Company, The, Peoria, to Hockaday, Inc., Chicago, Ill. Flat varnish. 235,295, renewed Nov. 15, 1947. O. G. Jan. 13. Class 16.

Morgan Company, The, Peoria, to Hockaday, Inc., Chicago, Ill. Varnishes and varnish finishes. 235,297-8, renewed Nov. 15, 1947. O. G. Jan. 13. Class 16.

Morgan Company, The, Peoria, to Hockaday, Inc., Chicago, Ill. Prepared paint. 235,301, renewed Nov. 15, 1947. O. G. Jan. 13. Class 16.

Morgan Company, The, Peoria, to Hockaday, Inc., Chicago, Ill. Paint enamel. 235,302, renewed Nov. 15, 1947. O. G. Jan. 13. Class 16.

Morgan, Ray F.: See—
Line-O-Scribe, Inc.

Motor Terminals Company, New York, N. Y., to Motor Terminals, Inc., Cleveland, Ohio. Automobile trucks and removable bodies therefor. 232,340, renewed Sept. 6, 1947. O. G. Jan. 13. Class 19.

Motor Terminals, Inc.: See—
Motor Terminals Company.

Mullen, John E., doing business as Jenny Optical Company, Boston, Mass. Contact lenses. 435,899; Jan. 13; Serial No. 515,843, published Aug. 26, 1947. Class 28.

Nalbene, Charles, Trenton, N. J. China; china console sets; china vanity sets. 435,944, Jan. 13. Class 30.

Nordmann, Joseph, doing business as Nordmann's Bakery, Cincinnati, Ohio. Bread. 435,838, Jan. 13; Serial No. 497,036, published Oct. 14, 1947. Class 46.

Nordmann's Bakery: See—
Nordmann, Joseph.

Northrup, King & Co., Minneapolis, Minn. Fodder-corn seeds. 90,234, Feb. 11, 1913. Republished Jan. 13. Class 1.

Northrup, King & Co., Minneapolis, Minn. Fodder-corn seeds. 90,728, Mar. 18, 1913. Republished Jan. 13. Class 1.

Nye and Naumes Packing Company, Medford, Oreg. Fresh deciduous fruits. 435,909, Jan. 13; Serial No. 518,735, published Oct. 7, 1947. Class 46.

Oakes & Company, Chicago, Ill. Rubber automobile floor mats. 435,912, Jan. 13; Serial No. 519,088, published Oct. 21, 1947. Class 50.

O'Brien's of California, Inc., San Jose, Calif. Candles. 435,879, Jan. 13; Serial No. 511,956, published Oct. 7, 1947. Class 46.

Ohio Brewery, Inc., Columbus, Ohio. Bottle ale. 435,869, Jan. 13; Serial No. 510,443, published Oct. 14, 1947. Class 48.

Outlook Company, The, to Standard & Poor's Corporation, New York, N. Y. Periodical. 230,932, renewed Aug. 9, 1947. O. G. Jan. 13. Class 38.

Owen, R. C., Company, Gallatin, Tenn. Smoking and chewing tobacco. 435,921, Jan. 13; Serial No. 521,276, published Oct. 21, 1947. Class 17.

Owen, R. C., Company, Gallatin, Tenn. Smoking tobacco. 435,922, Jan. 13; Serial No. 521,280, published Oct. 21, 1947. Class 17.

Owen, R. C., Company, Gallatin, Tenn. Chewing tobacco. 435,923, Jan. 13; Serial No. 521,281, published Oct. 21, 1947. Class 17.

Owens-Illinois Glass Company: See—
Hemingray Glass Co.

P & J Manufacturing Co., Gary, Ind. Medicinal preparation in liquid form. 237,748, renewed Jan. 17, 1948. O. G. Jan. 13. Class 6.

Paramount Famous Lasky Corporation, to Paramount Pictures Inc., New York, N. Y. Moving pictures. 238,152, renewed Jan. 31, 1948. O. G. Jan. 13. Class 26.

Paramount Pictures Inc.: See—
Paramount Famous Lasky Corporation.

Peper, Christian, Tobacco Company, St. Louis, Mo. Cigarettes and smoking tobacco. 435,924, Jan. 13; Serial No. 521,434, published Oct. 21, 1947. Class 17.

Pepsi-Cola Company: See—
Bradham, Caleb D.

Pepsi-Cola Co., The, Newbern, N. C., by Pepsi-Cola Company, Long Island City, N. Y. Flavoring-syrup for soda water. 111,508, July 18, 1916. Republished Jan. 13. Class 45.

Personality Plastics Inc., New York, N. Y. Coat, suit, and skirt hangers, garment shoulder covers, and garment covers, etc. 435,875, Jan. 13; Serial No. 511,351, published Oct. 21, 1947. Class 50.

Peters & Garabedian, Fresno, Calif. Fresh deciduous fruits, fresh grapes, and fresh melons. 435,917, Jan. 13; Serial No. 519,896, published Oct. 14, 1947. Class 46.

Philadelphia Seed Company: See—
Conklin, Horace E.

Pierce & Stevens, Incorporated, Buffalo, N. Y. Protective floor finishes of lacquer type. 435,898, Jan. 13; Serial No. 515,683, published Oct. 7, 1947. Class 16.

Pioneer Suspender Company, Philadelphia, Pa. Combination suspenders and garters. 119,771, Dec. 11, 1917. Republished Jan. 13. Class 39.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints, paint primers, paint enamels, etc. 435,860, Jan. 13; Serial No. 506,198, published Apr. 29, 1947. Class 16.

Plastic & Die Cast Products Corp., Los Angeles, Calif. Combined electric lamp and mirror. 435,941, Jan. 13. Class 21.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Drinking glasses of various types, glass plates, glass vases, etc. 435,902, Jan. 13; Serial No. 516,499, published Oct. 14, 1947. Class 33.

Pollak Manufacturing Company, Arlington, N. J., assignor to Arma Corporation, Brooklyn, N. Y. Electronic limit comparator gauge. 435,854, Jan. 13; Serial No. 505,231, published Oct. 14, 1947. Class 26.

Pritchard, E. Inc., Bridgeton, N. J. Canned cranberry sauce. 435,893, Jan. 13; Serial No. 514,908, published Sept. 30, 1947. Class 46.

Protective Coatings Corporation, Belleville, N. J. Coating material of lacquer, varnish, and like origin. 435,837, Jan. 13; Serial No. 496,568, published Apr. 22, 1947. Class 16.

Purity Beverage Co.: See—
Caplan, Benjamin.

Rallton, B. A. Co., Chicago, Ill. Prepared mustard, india relish, salad-dressing, etc. 121,208, Apr. 16, 1918. Republished Jan. 13. Class 46.

Rattan Manufacturing Company, The, New Haven, Conn. Conduit fittings, outlet boxes, and covers. 237,024, renewed Jan. 3, 1948. O. G. Jan. 13. Class 21.

Rattray, Charles, Perth, Scotland. Smoking tobacco, chewing tobacco, cigarettes, etc. 435,936, Jan. 13. Class 17.

Rex Research Corporation: See—
California Rex Spray Co.

Richard, Rudolph, London, England. Alcoholic beverages containing rum. 435,843, Jan. 13; Serial No. 499,917, published Oct. 14, 1947. Class 49.

Richmond Cedar Works, Richmond, Va., to Richmond Cedar Works, Richmond and Norfolk, Va. Ice-cream freezers. 64,046, re-renewed Aug. 27, 1947. O. G. Jan. 13. Class 31.

Rissman, John, & Son: See—
Hilker-Welchers Manufacturing Co., The.

Robbins Company, The, Attleboro, Mass. Advertising and good-will souvenir novelties. 435,856, Jan. 13; Serial No. 505,517, published Oct. 7, 1947. Class 50.

Robbins & Myers Company, The, by Robbins & Myers, Inc., Springfield, Ohio. Electric fans, motors, dynamos, generators, etc. 110,933, June 20, 1916. Republished Jan. 13. Class 21.

Robbins & Myers, Inc.: See—
Robbins & Myers Company, The.

Rose Manufacturing Company, Denver, Colo. Pipe racks. 435,925-6, Jan. 13; Serial Nos. 521,929-30, published Oct. 21, 1947. Class 8.

Rosen, M., & Company, assignor to Argo Knitting Mills, Inc., Schuylkill Haven, Pa. Ladies' and children's knitted panties and vests. 435,836, Jan. 13; Serial No. 496,472, published Sept. 2, 1947. Class 39.

Sallerno, Vincent, Newark, N. J. Optical frames. 435,864, Jan. 13; Serial No. 508,928, published Aug. 26, 1947. Class 26.

Sanchis, Jose, Newark, N. J. Automatically operated dispensers. 435,938, Jan. 13. Class 26.

Schulte, D. A., Inc.: See—
B. B. B. Pipe Co. Inc.

Frankau, Adolph, & Co. Ltd.

Schumann, Charles, to F. Schumann, Hunter, N. Y. Medical preparations. 228,284, renewed May 31, 1947. O. G. Jan. 13. Class 6.

Schumann, Frances: See—
Schumann, Charles.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. 435,867, Jan. 13; Serial No. 509,952, published Oct. 7, 1947. Class 32.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. 435,868, Jan. 13; Serial No. 509,956, published Oct. 7, 1947. Class 32.

Serdex, Inc., Boston, Mass. Hygrometers. 435,927, Jan. 13; Serial No. 521,757, published Oct. 14, 1947. Class 26.

Seufert Brothers Company, The, Dallas, Tex. Canned fish, canned fruits, and canned vegetables. 435,896, Jan. 13; Serial No. 515,462, published Sept. 30, 1947. Class 46.

Sherwin-Williams Company, The, Cleveland, Ohio. Varnishes, first coats, paint enamels, etc. 233,582, renewed Oct. 4, 1947. O. G. Jan. 13. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Varnishes and waxes and polishes, etc. 435,884, Jan. 13; Serial No. 512,711, published Sept. 9, 1917. Class 16.

Stiegel, A. L. Co., Inc., New York, N. Y. Article protective covers. 435,834, Jan. 13; Serial No. 496,107, published Oct. 7, 1947. Class 50.

Silvers, Joseph, Brooklyn, N. Y. General household cleaning compounds and all purpose cleaners. 435,931, Jan. 13. Class 4.

Sivon, Charles A., doing business as Sivon Machine Shop and Manufacturing Company, Painesville, Ohio. Fly swatters. 435,890, Jan. 13; Serial No. 514,503, published Sept. 30, 1947. Class 50.

Sivon Machine Shop and Manufacturing Company: See—
Sivon, Charles A.

Societe Anonyme des Parfums d'Arya, Courbevois, France. Perfume, eau de cologne, toilet cream, etc. 152,273, renewed Feb. 21, 1947. O. G. Jan. 13. Class 6.

Societe du Louvre, Societe Anonyme, Paris, France. Silk piece goods and textile carpets. 220,557, renewed Nov. 9, 1946. O. G. Jan. 13. Class 42.

Societe du Louvre, Societe Anonyme, Paris, France. Desks, commodes, cabinets, etc. 223,103, renewed Jan. 18, 1947. O. G. Jan. 13. Class 32.

Societe Job, Anciens Etablissements Bardou-Job et Paulhac, Perpignan and Toulouse, France. Cigars, smoking tobacco, snuff, etc. 183,601, renewed May 6, 1944. O. G. Jan. 13. Class 17.

Societe Job, Anciens Etablissements Bardou-Job et Paulhac, Perpignan and Toulouse, France. Cigarette papers, pipes, cigar holders. 184,387, renewed May 20, 1944. O. G. Jan. 13. Class 8.

Southwestern Milling Company, Inc., The, New York, N. Y., and Kansas City, Mo., by Standard Milling Company, Chicago, Ill. Wheat flour. 113,162, Oct. 10, 1910. Republished Jan. 13. Class 46.

Spencerian Pen Company, The, to Spencerian Pen Company, Inc., New York, N. Y. Writing ink. 236,566, renewed Dec. 13, 1947. O. G. Jan. 13. Class 11.

Spencerian Pen Company, Inc.: See—
Spencerian Pen Company, The.

Sponge Rubber Products Company, The, Shelton, Conn. Shock cushioning resilient compressible mats, pads, nests, etc. 435,835, Jan. 13; Serial No. 496,343, published Sept. 16, 1947. Class 50.

Standard Flavors Company: See—
Getzoff, George.

Standard Milling Company: See—
Southwestern Milling Company, Inc.

Standard & Poor's Corporation: See—
Outlook Company, The.

Starlight Brothers, New York, N. Y., to Starlight Bros., Inc., Passaic, N. J. Cigars. 66,887, re-renewed Dec. 31, 1947. O. G. Jan. 13. Class 17.

Starlight Bros., Inc.: See—
Starlight Brothers.

Stout, Charles B.: See—
Higginsville Milling Company, The.

Styles, A. E., Manufacturing Co., Point Pleasant, N. J. Automobile polish. 435,935, Jan. 13. Class 16.

Sullivan Company, The, Memphis, Tenn. Cement mixing compound. 237,466, renewed Jan. 10, 1948. O. G. Jan. 13. Class 12.

Tech Laboratories: See—
Bjorndal, Magnus.

Thomas, M. & W.: See—
Goldman Costume Co.

Thornfield, Charles, doing business as Furmoto Chemical Company, London, England. Automobile and furniture polish. 435,895, Jan. 13; Serial No. 515,141, published Oct. 7, 1947. Class 16.

Tilghman, Wm. B., Company, Salisbury, Md. Farm journal. 435,870, Jan. 13; Serial No. 510,811, published Sept. 16, 1947. Class 38.

Tippecanoe Novelty Corporation, Lafayette, Ind. Cigarette servers. 435,901, Jan. 13; Serial No. 516,329, published Oct. 21, 1947. Class 8.

Toch Brothers, New York, to Toch Brothers, Incorporated, Staten Island, N. Y. Insulating paint. 65,691, re-renewed Oct. 15, 1947. O. G. Jan. 13. Class 16.

Toch Brothers, Incorporated: See—
Toch Brothers.

Toledo Scale Company, to Toledo Scale Company, Toledo, Ohio. House organs. 234,120, renewed Oct. 18, 1947. O. G. Jan. 13. Class 38.

Undertakers Supply Company, Chicago, Ill. Monthly magazine. 237,837, renewed Jan. 17, 1947. O. G. Jan. 13. Class 38.

Ungar, George, doing business as George Importing Company, Chicago, Ill. Pancake syrup, honey, pepper, spices, etc. 435,934, Jan. 13. Class 46.

U. S. Luggage & Leather Products Co., New York, N. Y. Jewel cases, jewel boxes, and sewing cases, all of fabric, imitation leather, and combinations thereof, etc. 435,840, Jan. 13; Serial No. 497,581, published Oct. 14, 1947. Class 2.

United States Shoe Corporation, The: See—
Krohn-Fechheimer Co., The.

Universal Camera Corporation, New York, N. Y. Cameras, camera lenses, optical view finders, etc. 435,889, Jan. 13; Serial No. 514,231, published Aug. 26, 1947. Class 26.

Valier & Spies Milling Company: See—
Flour Mills of America, Inc.

Van Zanten, M. Veldhuyzen, & Zonen, to N. V. Bloembollenbedrijf tot Voortzetting der Firma M. Veldhuyzen van Zanten & Zonen, Lisse, Netherlands. Bulbs, plants, seeds. 146,617, renewed Sept. 13, 1941. O. G. Jan. 13. Class 1.

Verallin Inc., Chicago, Ill. Fruit preserves, coffee, dog food, etc. 435,897, Jan. 13; Serial No. 515,472, published Sept. 30, 1947. Class 46.

Vibert, R. Laurent, to Etablissements F. Vibert, Societe Anonyme, Lyon, France. Hair tonic and hair lotion. 154,410, renewed Apr. 11, 1942. O. G. Jan. 13. Class 6.

Walker China Company, The, Bedford, Ohio. Vitreous chinaware. 435,943, Jan. 13. Class 30.

Waters Conley Company: See—
Conley Camera Company.

Waters-Genter Company, Minneapolis, Minn., to McGraw Electric Company, Elgin, Ill. Device intended to maintain the freshness of bakery products. 231,941, renewed Aug. 30, 1947. O. G. Jan. 13. Class 34.

Waukesha Canning Co., Waukesha, Wis., by The J. B. Inderrieden Co., Chicago, Ill. Canned peas. 72,123, Jan. 5, 1909. Republished Jan. 13. Class 46.

Waukesha Canning Co., Waukesha, Wis., by The J. B. Inderrieden Co., Chicago, Ill. Canned peas and canned corn. 72,693, Feb. 9, 1909. Republished Jan. 13. Class 46.

Waukesha Canning Co., Waukesha, Wis., by The J. B. Inderrieden Co., Chicago, Ill. Canned peas, canned corn, and canned tomatoes. 72,695, Feb. 9, 1909. Republished Jan. 13. Class 46.

Waukesha Canning Co., Waukesha, Wis., by The J. B. Inderrieden Co., Chicago, Ill. Canned peas, corn and tomatoes. 73,121, Mar. 16, 1909. Republished Jan. 13. Class 46.

Waukesha Canning Co., Waukesha, Wis., by The J. B. Inderrieden Co., Chicago, Ill. Canned peas. 75,493, Oct. 5, 1909. Republished Jan. 13. Class 46.

Weissberg, Harry E., Los Angeles, Calif. Commercial and horse trailers. 435,831, Jan. 13; Serial No. 492,239, published May 21, 1946. Class 19.

Wenatchee-Okanogan Co-operative Federation, Wenatchee, Wash. Fresh fruits. 240,113, renewed Mar. 20, 1948. O. G. Jan. 13. Class 46.

Whitin Machine Works, Whitinsville, Mass. Spindles, rings, filers, etc. 230,090, renewed July 12, 1947. O. G. Jan. 13. Class 23.

Williams, Geo. L., Company, The, Cleveland, Ohio. Disinfectants, insecticides, spray fluids, etc. 235,526, renewed Nov. 22, 1947. O. G. Jan. 13. Class 6.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 127,168, Oct. 21, 1919. Republished Jan. 13. Class 22.

Wyeth Incorporated, Philadelphia, Pa. Medicinal preparations. 435,871, Jan. 13; Serial No. 510,914, published Sept. 23, 1947. Class 6.

Young, Otto, & Co., to A. C. Becken Co., Chicago, Ill. Watches. 30,729-30, re-renewed Oct. 26, 1947. O. G. Jan. 13. Class 27.

Zakon, William, & Sons, also doing business as C. H. Graves & Sons Company, Boston, Mass. Slivovitz. 435,865, Jan. 13; Serial No. 509,906, published Oct. 14, 1947. Class 49.

Zakon, William, & Sons, also doing business as C. H. Graves & Sons Company, Boston, Mass. Wines. 435,866, Jan. 13; Serial No. 509,907, published Oct. 14, 1947. Class 47.

Zellerbach Paper Company: See—
Inland Empire Paper Company.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bulbs, plants, seeds. M. Veldhuyzen van Zanten & Zonen. 146,617, renewed Sept. 13, 1941. O. G. Jan. 13.

Fodder-corn seeds. Northrup, King & Co. 90,234, Feb. 11, 1913. Republished Jan. 13.

Fodder-corn seeds. Northrup, King & Co. 90,728, Mar. 18, 1913. Republished Jan. 13.

Mold charge in the nature of a molding compound. Keyes Fibre Company. 396,406, July 14, 1942. Republished Jan. 13.

Seeds, and seed grains, Grass, field, and agricultural. H. E. Conklin. 237,548, renewed Jan. 10, 1948. O. G. Jan. 13.

CLASS 2

Cases, jewel boxes, and sewing cases, all of fabric, imitation leather, and combinations thereof, etc. Jewel. U. S. Luggage & Leather Products Co. 435,840, Jan. 13; Serial No. 497,581, published Oct. 14, 1947.

Containers. Keyes Fibre Company. 346,336, May 25, 1937. Republished Jan. 13.

Gaskets and fillers of moulded pulp. Protective. Keyes Fibre Company, Inc. 300,661, Jan. 31, 1933. Republished Jan. 13.

Packing devices, Moulded pulp. Keyes Fibre Company. 344,854-5, Apr. 6, 1937. Republished Jan. 13.

Packing sheets, Moulded pulp. Keyes Fibre Company. 383,977, Dec. 31, 1940. Republished Jan. 13.

Packing sheets of moulded pulp, Protective. Keyes Fibre Company, Inc. 345,561, May 4, 1937. Republished Jan. 13.

Plates and dishes. Keyes Fibre Company, Inc. 264,917, Dec. 10, 1929. Republished Jan. 13.

Plates and dishes. Keyes Fibre Company, Inc. 269,697, Apr. 15, 1930. Republished Jan. 13.

Plates and dishes. Keyes Fibre Company, Inc. 274,000, Aug. 19, 1930. Republished Jan. 13.

Plates and dishes. Keyes Fibre Company, Inc. 303,802, June 6, 1933. Republished Jan. 13.

Plates and dishes, Moulded pulp. Keyes Fibre Company. 72,284, Jan. 12, 1909. Republished Jan. 13.

Plates and dishes, Moulded pulp. Keyes Fibre Company. 72,457, Jan. 26, 1909. Republished Jan. 13.

Plates, dishes, food packing and shipping dishes, etc. Keyes Fibre Company, Inc. 272,438, July 8, 1930. Republished Jan. 13.

Plates, dishes, trays, etc., Moulded pulp. Keyes Fibre Company. 408,909, Sept. 5, 1944. Republished Jan. 13.

Plates, Moulded pulp. Keyes Fibre Company. 369,878, Aug. 8, 1939. Republished Jan. 13.

Resin-bearing fibrous articles. Keyes Fibre Company. 393,958, Dec. 31, 1940. Republished Jan. 13.

Resin-bearing fibrous articles. Keyes Fibre Company. 395,768, June 9, 1942. Republished Jan. 13.

Vaults, Coated steel interment. King Bros. Boiler Works. 231,733, renewed Aug. 23, 1947. O. G. Jan. 13.

CLASS 4

Cleaning compounds and all purpose cleaners. J. Silvers. 435,931, Jan. 13.

Soap. Colgate & Company. 167,949, renewed Jan. 5, 1948. O. G. Jan. 13.

Soap, Flaked laundry. Hewitt Bros. Soap Co. 125,140, Apr. 15, 1919. Republished Jan. 13.

Soap, Toilet. James S. Kirk & Company. 123,723, Dec. 3, 1918. Republished Jan. 13.

CLASS 5

Mucilage, glue, shoe cement, etc. Arabol Mfg. Co. 435,883, Jan. 13; Serial No. 512,480, published May 13, 1947.

Tape, Gummed paper. Liberty Paper Co. 120,597, Feb. 19, 1918. Republished Jan. 13.

CLASS 6

Tape, Plastic coated mending. Industrial Tape Corporation. 435,827, Jan. 13; Serial No. 474,167, published Mar. 6, 1945.

Coagulants for use in liquid clarification, Preneutralized. Elgin Softener Corporation. 435,942, Jan. 13.

Cod-liver oil. Peter Moller A/S. 231,602, renewed Aug. 23, 1947. O. G. Jan. 13.

Digestive preparation, Liquid. John T. Milliken & Company. 238,497, renewed Feb. 7, 1948. O. G. Jan. 13.

Disinfectants, insecticides, spray fluids, etc. Geo. L. Williams Company. 235,526, renewed Nov. 22, 1947. O. G. Jan. 13.

Fly repellent. California Rex Spray Co. 237,143, renewed Jan. 3, 1948. O. G. Jan. 13.

Liquid-insecticide-spraying compositions. McCormick & Co., Incorporated. 237,373, renewed Jan. 10, 1948. O. G. Jan. 13.

Medical preparations. C. Schumann. 228,284, renewed May 31, 1947. O. G. Jan. 13.

Medicinal preparation in liquid form. P & J Manufacturing Co. 237,748, renewed Jan. 17, 1948. O. G. Jan. 13.

Medicinal preparations. Wyeth Incorporated. 435,871, Jan. 13; Serial No. 510,914, published Sept. 23, 1947.

Medicines, laxatives, and cathartics, Cold, cough, lung and bronchial, etc. Foley & Company. 129,456, Feb. 24, 1920. Republished Jan. 13.

Medicines, laxatives and cathartics, etc., Cold, cough, lung and bronchial. Foley & Company. 128,697, Jan. 13, 1920. Republished Jan. 13.

Perfume, eau de cologne, toilet cream, etc. Societe Anonyme des Parfums d'Arya. 152,273, renewed Feb. 21, 1947. O. G. Jan. 13.

Remedy for rheumatism and gout. J. H. Howarth. 66,645, re-renewed Dec. 17, 1947. O. G. Jan. 13.

Salts, acids, and compounds made from non-ferrous metals. American Smelting and Refining Company. 229,786, renewed July 5, 1947. O. G. Jan. 13.

Tonic and hair lotion, Hair. R. Laurent Vibert. 154,410, renewed Apr. 11, 1942. O. G. Jan. 13.

CLASS 8

Cigarette papers, pipes, cigar holders, etc. Societe Job, Anciens Etablissements Bardou-Job et Paulhac. 184,387, renewed May 20, 1944. O. G. Jan. 13.

Pipes, cigar and cigarette tubes and holders, Tobacco. B. B. B. Pipe Co. Inc. 218,141, renewed Sept. 21, 1940. O. G. Jan. 13.

Pipes, cigar and cigarette tubes, and holders, Tobacco. B. B. B. Pipe Co. Inc. 218,159, renewed Sept. 21, 1940. O. G. Jan. 13.

Pouches and receptacles for holding tobacco, India-rubber and gutta-percha. Adolph Frankau & Co. Ltd. 55,031, re-renewed Aug. 7, 1946. O. G. Jan. 13.

Racks, pipe. Rose Manufacturing Company. 435,925-6, Jan. 13; Serial Nos. 521,929-30, published Oct. 21, 1947.

Servers. Cigarette. Tippecanoe Novelty Corporation. 435,901, Jan. 13; Serial No. 516,329, published Oct. 21, 1947.

Tobacco-pipes, cigar and cigarette tubes. Adolph Frankau & Co. Ltd. 53,968, re-renewed June 19, 1946. O. G. Jan. 13.

CLASS 9

Fuses, Safety. Coast Manufacturing & Supply Company. 238,605, renewed Feb. 14, 1948. O. G. Jan. 13.

CLASS 11

Ink, writing. American Crayon Company. 231,271, renewed Aug. 16, 1947. O. G. Jan. 13.

Inks, Writing. Spencerian Pen Company. 236,566, renewed Dec. 13, 1947. O. G. Jan. 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 12

Brick, Fire. A. P. Green Fire Brick Company. 238,809, renewed Feb. 14, 1948. O. G. Jan. 13.
Cement mixing compound. Sullivan Company. 237,466, renewed Jan. 10, 1948. O. G. Jan. 13.
Lumber, common lumber dressed on one side only, and dressed lumber, Rough. Arkansas Soft Pine Bureau. 110,196, May 9, 1916. Republished Jan. 13.

CLASS 13

Chains, machine-made chains, bicycle chains, etc. Diamond Chain and Manufacturing Company. 238,186, renewed Jan. 31, 1948. O. G. Jan. 13.
Lead traps, bends, flanges, etc. American Smelting and Refining Company. 229,812, renewed July 5, 1947. O. G. Jan. 13.
Teapots, coffee-pots, and biggins, etc. Enameled steel. Columbian Enameling & Stamping Co. 89,539, Dec. 24, 1912. Republished Jan. 13.

CLASS 15

Oils and greases, Lubricating. W. H. Barber Company. 236,017, renewed Nov. 29, 1947. O. G. Jan. 13.

CLASS 16

Coating composition, Emulsified plastic. Brown-Bassman Co. 435,853, Jan. 13; Serial No. 504,029, published June 24, 1947.
Coating material of lacquer, varnish and like origin. Protective Coatings Corporation. 435,837, Jan. 13; Serial No. 496,568, published Apr. 22, 1947.
Enamel, Paint. Morgan Company. 235,302, renewed Nov. 15, 1947. O. G. Jan. 13.
Finishes of lacquer type, Protective floor. Pierce & Stevens, Incorporated. 435,898, Jan. 13; Serial No. 515,583, published Oct. 7, 1947.
Paint and Varnish, Ready-mixed. Burks-Hallman Co. 435,939, Jan. 13.
Paint, Flat wall. Morgan Company. 234,626, renewed Nov. 1, 1947. O. G. Jan. 13.
Paint, Green. John Lucas & Co. 64,036, re-renewed July 23, 1907. O. G. Jan. 13.
Paint, Insulating. Toch Brothers. 65,691, re-renewed Oct. 15, 1947. O. G. Jan. 13.
Paint, Prepared. Morgan Company. 235,301, renewed Nov. 15, 1947. O. G. Jan. 13.
Paint, Quick-drying enamel. Thomas C. Dunham, Inc. 435,885-6, Jan. 13; Serial Nos. 512,824-5, published Sept. 9, 1947.
Paint, Semi-paste wall. Crane-Ferry Company. 435,849, Jan. 13; Serial No. 501,118, published Sept. 9, 1947.
Paint, Wall. Morgan Company. 235,294, renewed Nov. 15, 1947. O. G. Jan. 13.
Paints, aluminum paste, aluminum powder, etc. Aluminum. Master Bronze Powder Co. 435,891, Jan. 13; Serial No. 514,831, published Oct. 7, 1947.
Paints, Mixed. Benjamin Moore & Co. 435,887, Jan. 13; Serial No. 513,328, published Sept. 16, 1947.
Paints, paint primers, paint enamels, etc. Liquid and paste. Pittsburgh Plate Glass Company. 435,860, Jan. 13; Serial No. 506,198, published Apr. 29, 1947.
Polish, Automobile. A. E. Styles Manufacturing Co. 435,935, Jan. 13.
Polish, Automobile and furniture. C. Thronfield. 435,895, Jan. 13; Serial No. 515,141, published Oct. 7, 1947.
Primer composition, Baking. Maas & Waldstein Company. 435,829, Jan. 13; Serial No. 488,336, published Oct. 7, 1947.
Varnish, Flat. Morgan Company. 235,295, renewed Nov. 15, 1947. O. G. Jan. 13.
Varnishes and varnish finishes. Morgan Company. 235,297-8, renewed Nov. 15, 1947. O. G. Jan. 13.
Varnishes and waxes and polishes, etc. Sherwin-Williams Company. 435,884, Jan. 13; Serial No. 512,711, published Sept. 9, 1947.
Varnishes, first coat, paint enamels, etc. Sherwin Williams Company. 233,582, renewed Oct. 4, 1947. O. G. Jan. 13.

CLASS 17

Cigarettes and smoking tobacco. Christian Peper Tobacco Company. 435,924, Jan. 13; Serial No. 521,434, published Oct. 21, 1947.
Cigars. Starlight Brothers. 66,887, re-renewed Dec. 31, 1947. O. G. Jan. 13.
Cigars, smoking tobacco, snuff, etc. Société Job, Anciens Etablissements Bardon-Job et Paulhac. 183,601, renewed May 6, 1944. O. G. Jan. 13.
Tobacco, Chewing. R. C. Owen Company. 435,923, Jan. 13; Serial No. 521,281, published Oct. 21, 1947.
Tobacco, chewing tobacco and snuff, Smoking. Alfred Dunhill of London, Inc. 435,850, Jan. 13; Serial No. 501,243, published Oct. 21, 1947.
Tobacco, chewing tobacco, cigarettes, etc., Smoking. C. Rattray. 435,936, Jan. 13.
Tobacco, Smoking. R. C. Owen Company. 435,922, Jan. 13; Serial No. 521,280, published Oct. 21, 1947.
Tobacco, Smoking and chewing. R. C. Owen Company. 435,921, Jan. 13; Serial No. 521,276, published Oct. 21, 1947.

CLASS 19

Aircraft, Rotary wing. Bendix Helicopter, Inc. 435,932, Jan. 13.
Cars and trucks, Motor. Diamond T Motor Car Company. 110,814, June 13, 1916. Republished Jan. 13.
Cars and trucks, Motor. Diamond T Motor Car Company. 110,816, June 13, 1916. Republished Jan. 13.
Cars and trucks, Motor. Diamond T Motor Car Company. 121,419, Apr. 30, 1918. Republished Jan. 13.
Trailers, Commercial and horse. H. E. Weissberg. 435,831, Jan. 13; Serial No. 492,239, published May 21, 1946.
Trucks and removable bodies therefor, Automobile. Motor Terminals Company. 232,340, renewed Sept. 6, 1947. O. G. Jan. 13.

CLASS 21

Conduit fittings, outlet boxes and covers. Rattan Manufacturing Company. 237,024, renewed Jan. 3, 1948. O. G. Jan. 13.
Electrical apparatus. D. Elsenstat. 435,945, Jan. 13.
Fans, motors, dynamos, generators, etc., Electric. Robbins & Myers Company. 110,933, June 20, 1916. Republished Jan. 13.
Insulators, and break-knobs of glass, Electric, telegraph, telephone, cable, street railway, and floor. Hemingray Glass Co. 78,096, May 31, 1910. Republished Jan. 13.
Lamp and mirror, Combined electric. Plastic & Die Cast Products Corp. 435,941, Jan. 13.
Radiotransmitting and receiving instruments and parts. M. Bjorndal. 435,929, Jan. 13.
Receptacles; reflector sockets; skeleton reflector-holders, Wireless plural. Benjamin Electric Manufacturing Company. 125,962, July 22, 1919. Republished Jan. 13.
Sweepers, Electric suction. Hoover Suction Sweeper Company. 165,890, renewed Jan. 5, 1948. O. G. Jan. 13.

CLASS 22

Fishing rods. Montague Rod and Reel Company. 435,940, Jan. 13.
Golf balls. Worthington Ball Company. 127,168, Oct. 21, 1919. Republished Jan. 13.

CLASS 23

Cutting machines. International Register Company. 233,331, renewed Sept. 27, 1947. O. G. Jan. 13.
Frames, covers and miscellaneous detail parts for typewriters, adding machines, etc., Molded resin-bearing fibrous. Keyes Fibre Company. 395,599, June 2, 1942. Republished Jan. 13.
Printing machines. Line-O-Scribe, Inc. 237,733, renewed Jan. 17, 1948. O. G. Jan. 13.
Saws of all kinds. E. C. Atkins and Company. 82,950, Aug. 8, 1911. Republished Jan. 13.
Saws of all kinds. E. C. Atkins and Company. 92,033, June 17, 1913. Republished Jan. 13.
Spindles, rings, fliers, etc. Whitin Machine Works. 230,090, renewed July 12, 1947. O. G. Jan. 13.
Threading and cutting-off machines. Armstrong Mfg. Co. 68,005, re-renewed Mar. 3, 1948. O. G. Jan. 13.

CLASS 24

Cleaning machines, Dry. Mechanical Products Company. 435,892, Jan. 13; Serial No. 514,832, published Oct. 21, 1947.

CLASS 26

Cameras, camera lenses, optical view finders, etc. Universal Camera Corporation. 435,889, Jan. 13; Serial No. 514,231, published Aug. 26, 1947.
Cameras, Photographic. General Aniline & Film Corporation. 435,833, Jan. 13; Serial No. 495,663, published Mar. 4, 1947.
Charts in the nature of a calendar having an adjustable indicator. Printed. Atlantic Laboratories, Inc. 435,857, Jan. 13; Serial No. 505,677, published Aug. 26, 1947.
Dispensers, Automatically operated. J. Sanchis. 435,938, Jan. 13.
Electrical temperature control mechanism. Crown Controls Company. 435,848, Jan. 13; Serial No. 500,742, published Aug. 26, 1947.
Films, Motion-picture. Metro-Goldwyn Pictures Corporation. 231,203, renewed Aug. 16, 1947. O. G. Jan. 13.
Frames, Spectacle. Bay State Optical Company. 435,919-20, Jan. 13; Serial Nos. 521,108-9, published Oct. 14, 1947.
Gauge, Electronic limit comparator. Pollak Manufacturing Company. 435,854, Jan. 13; Serial No. 505,231, published Oct. 14, 1947.
Hygrometers. Serdex, Inc. 435,927, Jan. 13; Serial No. 521,757, published Oct. 14, 1947.
Lens shades, photographic cameras, and parts thereof. J. Bloch. 435,846, Jan. 13; Serial No. 500,644, published Aug. 26, 1947.
Lenses, Contact. J. E. Mullen. 435,899, Jan. 13; Serial No. 515,843, published Aug. 26, 1947.
Lenses, Photographic. Elgeet Manufacturing Co. Inc. 435,858, Jan. 13; Serial No. 505,953, published Aug. 26, 1947.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Levels and transits. C. L. Berger & Sons, Inc. 236,621, renewed Dec. 20, 1947. O. G. Jan. 13.
Optical frames. V. Sallerno. 435,864, Jan. 13; Serial No. 508,928, published Aug. 26, 1947.
Pictures, Moving. Paramount Famous Lasky Corporation. 238,152, renewed Jan. 31, 1948. O. G. Jan. 13.
Projectors and parts thereof, Moving picture. Century Projector Corporation. 435,878, Jan. 13; Serial No. 511,727, published Aug. 26, 1947.
Testing apparatus, Electric. Evershed & Vignoles Ltd. 64,980, re-renewed Sept. 3, 1947. O. G. Jan. 13.

CLASS 27

Watches. Marshall Field & Company. 73,745, May 18, 1909. Republished Jan. 13.
Watches. Otto Young & Co. 30,729-30, re-renewed Oct. 26, 1947. O. G. Jan. 13.

CLASS 30

China and hand-painted china. Imperial Baker Co. 435,872-3, Jan. 13; Serial Nos. 511,089-90, published Sept. 16, 1947.
China; china console sets; china vanity sets. C. Nalbene. 435,944, Jan. 13.
Chinaware, Vitreous. Walker China Company. 435,943, Jan. 13.

CLASS 31

Freezers, Ice-cream. Richmond Cedar Works. 64,946, re-renewed Aug. 27, 1947. O. G. Jan. 13.

CLASS 32

Desks, commodes, cabinets, etc. Societe du Louvre, Societe Anonyme. 223,103, renewed Jan. 18, 1947. O. G. Jan. 13.
Bookcases, filing-cabinets, filing-cases, etc. Globe-Wernicke Co. 121,180, Apr. 16, 1918. Republished Jan. 13, 1948.
Mattresses and box springs. Sealy, Incorporated. 435,867, Jan. 13; Serial No. 509,952, published Oct. 7, 1947.
Mattresses and box springs. Sealy, Incorporated. 435,868, Jan. 13; Serial No. 509,956, published Oct. 7, 1947.

CLASS 33

Coffee makers, Filter type glass. Kent Products Company. 435,870, Jan. 13; Serial No. 511,477, published Oct. 7, 1947.
Glasses of various types, glass plates, glass vases, etc., Drinking. Plymouth Wholesale Dry Goods Corporation. 435,902, Jan. 13; Serial No. 516,499, published Oct. 14, 1947.
Glassware, Table. Academy Award Products, Inc. 435,844, Jan. 13; Serial No. 500,447, published Sept. 23, 1947.
Globes and chimneys, Glass. R. E. Dietz Company. 67,585, re-renewed Feb. 11, 1948. O. G. Jan. 13.

CLASS 34

Device intended to maintain the freshness of bakery products. Waters-Genter Company. 231,941, renewed Aug. 30, 1947. O. G. Jan. 13.
Ovens, Portable bake. Middleby-Marshall Oven Co. 237,729, renewed Jan. 17, 1948. O. G. Jan. 13.
Stoves and ranges and gas, etc., Coal and wood cooking. American Stove Company. 64,652, re-renewed Aug. 20, 1947. O. G. Jan. 13.

CLASS 36

Needles, Steel phonograph. Capitol Records, Inc. 435,918, Jan. 13; Serial No. 520,320, published Oct. 14, 1947.
Phonographs, reproducers, tone arms, etc. Conley Camera Company. 230,647, renewed Aug. 2, 1947. O. G. Jan. 13.
Records, Grooved phonograph. Bullet Recording & Transcription Co. Inc. 435,881, Jan. 13; Serial No. 512,236, published Sept. 23, 1947.
Records, Mechanically grooved phonograph. Concert Hall Society, Inc. 435,928, Jan. 13; Serial No. 522,814, published Oct. 21, 1947.

CLASS 37

Fountain-pens. Conklin Pen Manufacturing Co. 138,382, renewed Jan. 5, 1948. O. G. Jan. 13.
Papers, Writing and bond. Inland Empire Paper Company. 109,899, Apr. 25, 1916. Republished Jan. 13.
Pencils, Lead. Eagle Pencil Company. 232,824, renewed Sept. 20, 1947. O. G. Jan. 13.

CLASS 38

Books and pamphlets. Essential books. 435,930, Jan. 13.
House organs. Toledo Scale Company. 234,120, renewed Oct. 18, 1947. O. G. Jan. 13.
Journal, Farm. Wm. B. Tilghman Company. 435,870, Jan. 13; Serial No. 510,811, published Sept. 16, 1947.
Magazine, Monthly. Men's Wear Service Corporation. 230,031, renewed July 12, 1947. O. G. Jan. 13.
Magazine, Monthly. Undertakers Supply Company. 237,837, renewed Jan. 17, 1948. O. G. Jan. 13.
Newspaper section. King Features Syndicate, Inc. 231,694, renewed Aug. 23, 1947. O. G. Jan. 13.
Periodical, Outlook Company. 230,932, renewed Aug. 9, 1947. O. G. Jan. 13.
Periodical, Monthly. Brown & Bigelow. 92,944, Aug. 12, 1913. Republished Jan. 13.

Publication in the nature of a house organ published from time to time. Printed. Keyes Fibre Company. 417,743, Nov. 13, 1945. Republished Jan. 13.
Publications issued regularly bimonthly. Armstrong Cork Company. 125,953, July 22, 1919. Republished Jan. 13.

CLASS 39

Corsets, brassieres, and women's underwear of knitted or textile fabric. Benjamin & Johnes. 130,463, Apr. 27, 1920. Republished Jan. 13.
Garments, Woolen. J. A. Bolton. 202,122, renewed Aug. 18, 1945. O. G. Jan. 13.
Gloves. O. C. Hansen Mfg. Co. 128,990, Jan. 20, 1920. Republished Jan. 13.
Hats, Beach. Percy Merton Inc. 238,579, renewed Feb. 14, 1948. O. G. Jan. 13.
Panties and vests, Ladies' and children's knitted. M. Rosen & Company. 435,836, Jan. 13; Serial No. 496,472, published Sept. 2, 1947.
Shirts for outer wear, Men's. Hilker-Wiechers Manufacturing Co. 124,537, Feb. 25, 1919. Republished Jan. 13.
Shoes, Ladies' leather. Krohn-Fechheimer Co. 124,550, Feb. 25, 1919. Republished Jan. 13.
Slip-insoles for shoes. Armstrong Cork Company. 120,057, Jan. 8, 1918. Republished Jan. 13.
Suspenders and garters, Combination. Pioneer Suspender Company. 119,771, Dec. 11, 1917. Republished Jan. 13.
Underwear, Ladies' and children's. Fairy Silk Mills. 238,691, renewed Feb. 14, 1948. O. G. Jan. 13.

CLASS 40

Tape, Bias-fold. Jordan Marsh Company. 232,544, renewed Sept. 13, 1947. O. G. Jan. 13.

CLASS 42

Piece goods and textile carpets, Silk. Societe du Louvre, Societe Anonyme. 220,557, renewed Nov. 9, 1946. O. G. Jan. 13.
Piece goods, Silk. Goldman Costume Co. 109,530, Apr. 11, 1916. Republished Jan. 13.

CLASS 43

Thread and yarn. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie. 22,384, re-renewed Jan. 31, 1943. O. G. Jan. 13.
Thread and yarn. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie. 22,386, re-renewed Jan. 31, 1943. O. G. Jan. 13.

CLASS 45

Beverages, Non-alcoholic, maltless, and carbonated. B. Caplan. 435,861, Jan. 13; Serial No. 508,921, published Oct. 14, 1947.
Beverages, Non-alcoholic, non-cereal, maltless. C. L. Bridges. 435,877, Jan. 13; Serial No. 511,595, published Sept. 30, 1947.
Beverages, Non-alcoholic, non-cereal, maltless. Mira Company. 435,841, Jan. 13; Serial No. 498,161, published Jan. 7, 1947.
Flavoring-syrup for soda water. C. D. Bradham. 40,619, June 16, 1903. Republished Jan. 13.
Flavoring syrup for soda water. Pepsi-Cola Co. 111,508, July 18, 1916. Republished Jan. 13.

CLASS 46

Algin product. Kelco Company. 435,904, Jan. 13; Serial No. 516,855, published Sept. 30, 1947.
Bread. Ark Bakers. 435,830, Jan. 13; Serial No. 489,032, published Oct. 14, 1947.
Bread. J. Nordmann. 435,838, Jan. 13; Serial No. 497,036, published Oct. 14, 1947.
Candles. O'Brien's of California, Inc. 435,879, Jan. 13; Serial No. 511,958, published Oct. 7, 1947.
Candy. H. Heide, Incorporated. 435,900, Jan. 13; Serial No. 516,075, published Oct. 7, 1947.
Canned cranberry sauce. E. Pritchard, Inc. 435,893, Jan. 13; Serial No. 514,908, published Sept. 30, 1947.
Canned dog and cat food. Hygrade Meat Packing Co. 435,915, Jan. 13; Serial No. 519,822, published Sept. 30, 1947.
Canned fish and canned shell fish. Kaakinen Fish Company. 435,852, Jan. 13; Serial No. 503,576, published Oct. 14, 1947.
Canned fish, canned fruits, and canned vegetables. Seufert Brothers Company. 435,896, Jan. 13; Serial No. 515,462, published Sept. 30, 1947.
Canned fruits and canned vegetables. Calfruit Canning Company. 435,911, Jan. 13; Serial No. 519,059, published Sept. 30, 1947.
Canned oysters and shrimp. Johnson Canning Company. 237,826, renewed Jan. 17, 1948. O. G. Jan. 13.
Canned peas. Waukesha Canning Co. 72,123, Jan. 5, 1909. Republished Jan. 13.
Canned peas. Waukesha Canning Co. 75,493, Oct. 5, 1909. Republished Jan. 13.
Canned peas and canned corn. Waukesha Canning Co. 72,693, Feb. 9, 1909. Republished Jan. 13.
Canned peas, canned corn, and canned tomatoes. Waukesha Canning Co. 72,695, Feb. 9, 1909. Republished Jan. 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Canned peas, corn, and tomatoes. Waukesha Canning Co. 73,121, Mar. 16, 1909. Republished Jan. 13.
 Canned pineapple. Theo. H. Davies Company Ltd. 84,819, Jan. 9, 1912. Republished Jan. 13.
 Canned vegetables. Aulabaugh Bros. 435,847, Jan. 13; Serial No. 500,731, published Oct. 14, 1947.
 Coffee. Andrew's Coffee Co. 435,888, Jan. 13; Serial No. 513,997, published Sept. 30, 1947.
 Confections and liquid concentrates or syrups for making the same. Frozen. Joe Lowe Corporation. 435,908, Jan. 13; Serial No. 518, 683, published Oct. 21, 1947.
 Corn chips. Fips Food Company. 435,894, Jan. 13; Serial No. 515,025, published Oct. 7, 1947.
 Cottonseed roughage. Buckeye Cotton Oil Co. 119,428, Nov. 20, 1917. Republished Jan. 13.
 Doughnuts and doughnut mixture. Dawn Donut Company of Jackson. 226,173, renewed Apr. 5, 1947. O. G. Jan. 13.
 Extract, Food flavoring. G. Getzoff. 435,914, Jan. 13; Serial No. 519,326, published Oct. 14, 1947.
 Feed, Stock and poultry. Cosby-Hodges Milling Company, Incorporated. 236,658, renewed Dec. 20, 1947. O. G. Jan. 13.
 Flour, Wheat. Bay State Milling Co. 179,424, renewed Jan. 5, 1948. O. G. Jan. 13.
 Flour, Wheat. Flour Mills of America, Inc. 435,916, Jan. 13; Serial No. 519,889, published Oct. 7, 1947.
 Flour, Wheat. Higginsville Milling Company. 59,873, renewed Jan. 22, 1947. O. G. Jan. 13.
 Flour, Wheat. Kansas Milling Company. 231,059, renewed Aug. 9, 1947. O. G. Jan. 13.
 Flour, Wheat. Southwestern Milling Company, Inc. 113,162, Oct. 10, 1916. Republished Jan. 13.
 Fruits and vegetables, Fresh deciduous. Golden Ridge Orchards Company. 435,828, Jan. 13; Serial No. 483,542, published Sept. 30, 1947.
 Fruits, canned fruits, and canned vegetables. Dried. Abinante & Nola Packing Co. 435,842, Jan. 13; Serial No. 499,457, published Oct. 14, 1947.
 Fruits, Fresh. Wenatchee-Okanogan Co-operative Federation. 240,113, renewed Mar. 20, 1948. O. G. Jan. 13.
 Fruits, Fresh deciduous. Nye and Naumes Packing Company. 435,909, Jan. 13; Serial No. 518,735, published Oct. 7, 1947.
 Fruits, fresh grapes and fresh melons, Fresh deciduous. Peters & Garabedian. 435,917, Jan. 13; Serial No. 519,896, published Oct. 14, 1947.
 Malt extracts for food purposes. Four Roses Malt Extract Co. 237,424, renewed Jan. 10, 1948. O. G. Jan. 13.
 Milk, condensed milk, powdered milk, etc., Sweet. Land O'Lakes Creameries Inc. 232,493, renewed Sept. 13, 1947. O. G. Jan. 13.
 Mustard, India relish, salad-dressing, etc., Prepared. B. A. Ralston Co. 121,208, Apr. 16, 1918. Republished Jan. 13.
 Plum pudding. Cock 'n Bull Products. 435,910, Jan. 13; Serial No. 518,752, published Oct. 7, 1947.
 Preserves, coffee, dog food, etc., Fruit. Veralin Inc. 435,897, Jan. 13; Serial No. 515,472, published Sept. 30, 1947.
 Stabilizer-emulsifier for ice cream. Combination. Borden Company. 435,880, Jan. 13; Serial No. 512,234, published Sept. 30, 1947.
 Stabilizer produced from waxy maize (amloca) for water emulsions. American Maize-Products Company. 435,855, Jan. 13; Serial No. 505,470, published Oct. 7, 1947.
 Sugar, Granulated. Franklin Sugar Refining Company. 112,658, Sept. 19, 1916. Republished Jan. 13.
 Syrup. American Sugar Refining Company. 121,537, May 7, 1918. Republished Jan. 13.
 Syrup, honey, peppers, spices, etc., Pancake. G. Ungar. 435,934, Jan. 13.
 Syrups, Cane sugar. California and Hawaiian Sugar Refining Corporation, Ltd. 435,845, Jan. 13; Serial No. 500,519, published Oct. 14, 1947.
 Vegetables and fresh deciduous fruits, Fresh. S. Levinson. 435,913, Jan. 13; Serial No. 519,131, published Oct. 7, 1947.

CLASS 47

Wines. Beverly Hills Wine Company. 435,839, Jan. 13; Serial No. 497,062, published Sept. 24, 1936.
 Wines. Chateau Wines Corporation. 435,882, Jan. 13; Serial No. 512,382, published Sept. 30, 1947.
 Wines. William Zakon & Sons. 435,866, Jan. 13; Serial No. 509,907, published Oct. 14, 1947.

CLASS 48

Ale, Bottle. Ohio Brewery, Inc. 435,860, Jan. 13; Serial No. 510,443, published Oct. 14, 1947.
 Beer. Wm. J. Lemp Brewing Co. 40,948-9; Aug. 18, 1903. Republished Jan. 13.

CLASS 49

Beverages containing rum, Alcoholic. R. Richard. 435,843, Jan. 13; Serial No. 499,917, published Oct. 14, 1947.
 Brandy, gin, rum, etc. Charles Jacquin, et Cie, Inc. 435,863, Jan. 13; Serial No. 508,465, published Oct. 14, 1947.
 Silivovitz. William Zakon & Sons. 435,865; Jan. 13; Serial No. 509,906, published Oct. 14, 1947.
 Whiskey, Corn. Siegfried Loewenthal Company. 435,937, Jan. 13.

CLASS 50

Buttons, Lapel. Flying Tigers (American Volunteer Group-Chinese Air Force) Incorporated. 435,905-7, Jan. 13; Serial Nos. 518,665-7, published Oct. 21, 1947.
 Candles and glass cups, Wax. Fiske Inc. 435,933, Jan. 13.
 Corks, Bottle and prescription. Armstrong Cork Company. 128,612, Jan. 13, 1920. Republished Jan. 13.
 Covers, Article protective. A. L. Siegel Co., Inc. 435,834, Jan. 13; Serial No. 496,107, published Oct. 7, 1947.
 Floor mats, Automobile. Doan Manufacturing Corp. 435,851, Jan. 13; Serial No. 501,647, published Sept. 2, 1947.
 Hangers, garment shoulder covers and garment covers, etc., Coat, suit and skirt. Personality Plastics Inc. 435,875, Jan. 13; Serial No. 511,351, published Oct. 21, 1947.
 Kits, Venetian blind. N. E. King. 435,862, Jan. 13; Serial No. 507,259, published Aug. 26, 1947.
 Lithographic offset blankets. Columbia Ribbon and Carbon Manufacturing Company, Inc. 435,859, Jan. 13; Serial No. 506,010, published Sept. 9, 1947.
 Mats, pads, nests, etc., Shock cushioning resilient compressible. Sponge Rubber Products Company. 435,835, Jan. 13; Serial No. 496,343, published Sept. 16, 1947.
 Mats, Rubber automobile floor. Oakes & Company. 435,912, Jan. 13; Serial No. 519,088, published Oct. 21, 1947.
 Novelties, Advertising and good-will souvenir. Robbins Company. 435,856, Jan. 13; Serial No. 505,517, published Oct. 7, 1947.
 Nut bowls with mallet and picks, Wooden. Ellenville Wood Novelty Co., Inc. 435,946, Jan. 13.
 Packing sheets, and pads, Molded pulp protective. Keyes Fibre Company. 408,864, Aug. 29, 1944. Republished Jan. 13.
 Resinous coated fabrics in the nature of artificial leather. L. E. Carpenter & Company. 435,903, Jan. 13; Serial No. 516,533, published Oct. 14, 1947.
 Swatters, Fly. C. A. Siron. 435,890, Jan. 13; Serial No. 514,503, published Sept. 30, 1947.
 Textile fabrics resembling leather, Plastic-surfaced. Hunt & Winterbotham Limited. 435,832, Jan. 13; Serial No. 495,386, published Sept. 9, 1947.
 Traps, Rodent. Animal Trap Company of America. 435,874, Jan. 13; Serial No. 511,130, published Oct. 21, 1947.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1948

NOTE—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anderson, William W.: See—
 Monson, Louis T., Anderson, and Jenkins.
 Jenkins, Fred W.: See—
 Monson, Louis T., Anderson, and Jenkins.

Monson, Louis T., Alhambra, W. W. Anderson, Montebello, and F. W. Jenkins, Los Angeles, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Processes for resolving oil-in-water emulsions. Re. 22,963, Jan. 13.

LIST OF PLANT PATENTEES

Inter-State Nurseries, assignee: See—

Toms, Lawrence M.
 Toms, Lawrence M., Nevada, assignor to Inter-State Nurseries, Hamburg, Iowa. Raspberry plant. 779, Jan. 13.

LIST OF DESIGN PATENTEES

Ackermans, John W. J., Detroit, Mich. Automobile body. 148,346, Jan. 13.
 Aro Equipment Corporation, The, assignee: See—
 Swygard, Aubrey C.
 Blickman, Manuel, New York, N. Y., assignor to S. Blickman, Inc., Weehawken, N. J. Coffee-making apparatus casing. 148,347, Jan. 13.
 Blickman, S., Inc., assignee: See—
 Blickman, Manuel.
 Borg, George W., Corporation, The, assignee: See—
 Laing, Gordon F., and Haggstrom.
 Brannon, Herbert E., Dryden, Mich. Teakettle. 148,348, Jan. 13.
 Briggs & Stratton Corporation, assignee: See—
 Oehrlein, Willard J., Lechtenberg, and Stevens.
 Stevens, Clifford B., Oehrlein, and Lechtenberg.
 Coro, Inc., assignee: See—
 Katz, Adolph.
 Faries Manufacturing Company, assignee: See—
 Masterson, William F.
 Florian, Gordon W., Long Hill, assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Range receptacle. 148,349, Jan. 13.
 Green, Warren B.: See—
 Schladermundt, Peter, and Green.
 Grier, Kay M., North Hollywood, Calif. Road roller. 148,350, Jan. 13.
 Guth, Edwin F., Company, The, assignee: See—
 Koegel, Ervin C.
 Haggstrom, Arthur C.: See—
 Laing, Gordon F., and Haggstrom.
 Hamilton, Conrad D., New York, N. Y. Bracelet. 148,351, Jan. 13.
 Harley-Davidson Motor Company, assignee: See—
 Stevens, Clifford B.
 Herman, Irving, Chicago, Ill. Automobile seat cover or similar article. 148,352, Jan. 13.
 Herman, Irving, Chicago, Ill. Automobile seat cover or similar article. 148,353, Jan. 13.
 Herzog, Herman, Detroit, Mich. Mechanical toy bird figure. 148,354, Jan. 13.
 Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,355, Jan. 13.
 Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,356, Jan. 13.
 Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,357, Jan. 13.
 Hovey, C. Earl, assignee: See—
 Thomson, Ernest F.
 Hudson, William P., Hawthorne, N. J. Tablecloth or the like. 148,358, Jan. 13.
 Hubbell, Harvey, Incorporated, assignee: See—
 Florian, Gordon W.
 Joelson, John, New York, N. Y. Combined holder for picture and perfume containers. 148,359, Jan. 13.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 148,360, Jan. 13.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,361, Jan. 13.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,362, Jan. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,363, Jan. 13.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,364, Jan. 13.
 Klemm, Edwin O., Saginaw, Mich. House. 148,365, Jan. 13.
 Klemm, Edwin O., Saginaw, Mich. House. 148,366, Jan. 13.
 Klemm, Edwin O., Saginaw, Mich. House. 148,367, Jan. 13.
 Klemm, Edwin O., Saginaw, Mich. House. 148,368, Jan. 13.
 Koegel, Ervin C., assignor to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. 148,369, Jan. 13.
 Laing, Gordon F., Delavan, Wis., and A. C. Haggstrom, Rockford, assignors to The George W. Borg Corporation, Chicago, Ill. Fishing reel. 148,370, Jan. 13.
 Lechtenberg, Leo J.: See—
 Oehrlein, Willard J., Lechtenberg, and Stevens.
 Stevens, Clifford B., Oehrlein, and Lechtenberg.
 Leva, Alexander, New York, N. Y. Book end. 148,371, Jan. 13.
 Leva, Alexander, New York, N. Y. Book end. 148,372, Jan. 13.
 Little, John M., Toledo, Ohio. Combination kitchen unit. 148,373, Jan. 13.
 Malco, Elaine M., Long Beach, Calif. Cosmetic tray. 148,374, Jan. 13.
 Master Industries, Inc., assignee: See—
 Spence, Edmond J.
 Masterson, William F., assignor to Faries Manufacturing Company, Decatur, Ill. Lamp or similar article. 148,375, Jan. 13.
 Math, Howard N., New York, N. Y. Lamp or similar article. 148,376, Jan. 13.
 Meehan, John J., Vallejo, Calif. Egg rack. 148,377, Jan. 13.
 Minervini, Rinaldo, Detroit, Mich. Candlestick holder. 148,378, Jan. 13.
 Nagy, Alexander R., New York, N. Y. Electrical connecting plug housing. 148,379, Jan. 13.
 Noel, Harvey V., Dayton, Ohio. Baby chair. 148,380, Jan. 13.
 Oehrlein, Willard J.: See—
 Stevens, Clifford B., Oehrlein, and Lechtenberg.
 Oehrlein, Willard J., L. J. Lechtenberg, and C. B. Stevens, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Portable internal-combustion engine. 148,381, Jan. 13.
 Oriolo, Joseph, Bergenfield, N. J., and M. Shull, Scarsdale, N. Y. Combined comb and receptacle. 148,382, Jan. 13.
 Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,383, Jan. 13.
 Packales, Sidney, New York, N. Y. Chatelaine pin. 148,384, Jan. 13.
 Paulus, Edward F., Detroit, Mich. Ladder stand. 148,385, Jan. 13.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 148,386, Jan. 13.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,387, Jan. 13.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,388, Jan. 13.

LIST OF DESIGN PATENTEES

- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or similar article. 148,389, Jan. 13.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,390, Jan. 13.
 Plourde, Frank: *See—*
 Plourde, Ned and F. Gaastra, Mich. Lawn chair. 148,391, Jan. 13.
 Quaker Lace Company, assignee: *See—*
 Hooven, Howard.
 Otto, Ferdinand P.
 Wolf, William.
 Sabol, Joseph L., Bethlehem, Pa. Finger ring. 148,392, Jan. 13.
 Schladermundt, Peter, Bronxville, N. Y., and W. B. Green, Darien, Conn., assignors to Sears, Roebuck and Co., Chicago, Ill. Bath tub. 148,393, Jan. 13.
 Schmutz, André, La Chaux-de-Fonds, Switzerland. Atomizer. 148,394, Jan. 13.
 Sears, Roebuck and Co., assignee: *See—*
 Schladermundt, and Green.
 Shull, Mercedes: *See—*
 Oriolo, Joseph, and Shull.
 Spence, Edmond J., Montclair, N. J., assignor to Master Industries, Inc., New York, N. Y. Ice-cream freezer. 148,395, Jan. 13.
 Stevens, Clifford B.: *See—*
 Oehrlein, Willard J., Lechtenberg, and Stevens.
 Stevens, Clifford B., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Name plate for motorcycles. 148,397, Jan. 13.
 Stevens, Clifford B., W. J. Oehrlein, and L. J. Lechtenberg, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Blower housing for an internal-combustion engine. 148,396, Jan. 13.
 Swygard, Aubrey C., assignor to The Aro Equipment Corporation, Bryan, Ohio. Dispenser cabinet or the like. 148,398, Jan. 13.
 Thomson, Ernest F., Tuckahoe, N. Y., assignor to C. E. Hovey, Kansas City, Mo., trustee. Bottle vending machine case. 148,399, Jan. 13.
 Trifari, Krussman & Fishel, Inc., assignee: *See—*
 Philippe, Alfred.
 Westerland, John, Scottsdale, Pa. Can punch and opener. 148,400, Jan. 13.
 Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,401, Jan. 13.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Admiral Corporation, assignee: *See—*
 Iwashita, George K.
 Aerofin Corporation, assignee: *See—*
 Noble, Milner.
 Agriculture, United States of America, as represented by the Secretary of: *See—*
 Jones, Edwin P.
 Ahlgren, William E., Burlingame, Calif. Lacing beveller. 2,434,307, Jan. 13.
 Ajax Thermostatic Controls Co., The, assignee: *See—*
 Schickler, Albert C.
 Alford, William H., Winston-Salem, N. C. Multiplex jack and plug. 2,434,534, Jan. 13.
 Allen, Howard E., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Incandescent electric lamp and method. 2,434,478, Jan. 13.
 Allen, Raney R., Dayton, Ohio. Reel assembly. 2,434,479, Jan. 13.
 Allis-Chalmers Manufacturing Company, assignee: *See—*
 Kleiner, George J., and Schumbacker.
 American Bosch Corporation, assignee: *See—*
 Ericksberg, Alvah O., and Osterman.
 Osterman, Joseph T., and Ericksberg.
 American Cyanamid Company, assignee: *See—*
 Carpenter, Erwin L.
 Cook, Elmer W., and Moss.
 American Optical Company, assignee: *See—*
 Moulton, Harold R.
 Weyl, Woldemar A.
 American Rolling Mill Company, The, assignee: *See—*
 Gage, Gordon, and Hughes.
 American Steel and Wire Company of New Jersey, The, assignee: *See—*
 Herath, Russell A., and Pettigrew.
 Anders, John F., Kitchawan, N. Y. Internal thread gage. 2,434,535, Jan. 13.
 Anderson, Cleophos E., Columbia City, Ind., assignor to General Electric Company. Brake mechanism. 2,434,480, Jan. 13.
 Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Wing flap actuating mechanism. 2,434,341, Jan. 13.
 Anderson, Rea V., Los Angeles, assignor to Rheem Manufacturing Company, Richmond, Calif. Submerged melt welding. 2,434,481, Jan. 13.
 Anderson, Stanley E., Chicago, Ill. Stamping machine. 2,434,381, Jan. 13.
 Anderson, Thomas F., and H. Taber, Cleveland, Ohio. Paper towel or paper napkin dispensing device. 2,434,342, Jan. 13.
 Anemostat Corporation of America, assignee: *See—*
 Wallen, George R.
 Anton, Percival J.: *See—*
 Knaus, Nicholas, and Anton.
 Armstrong Cork Company, assignee: *See—*
 Spencer, Virgil.
 Arundale, Erving, Colonia, N. J., assignor to Standard Oil Development Company. Emulsion polymerization process. 2,434,536, Jan. 13.
 Attapulugus Clay Company, assignee: *See—*
 La Lande, William A., Jr.
 Laughlin, Carl D., and Gwyn.
 Auby, André, Puteaux, assignor to Société à Responsabilité Limitée Etablissements Bertrand Faure, Puteaux (Seine), France. Resilient mattress for seats, cushions, or other applications. 2,434,382, Jan. 13.
 Austin, Leslie W., San Jose, assignor, by mesne assignments, to The Permanente Metals Corporation, Oakland, Calif. Refractories. 2,434,451, Jan. 13.
 Auto Specialties Manufacturing Company, assignee: *See—*
 Mueller, Joseph J.
 Automatic Electric Laboratories, Inc., assignee: *See—*
 Riebe, Theodore C.
 Bailey, Edward A.: *See—*
 Schulz, Edward A., and Bailey.
 Baldwin Locomotive Works, The, assignee: *See—*
 Ruge, Arthur C.
 Ballard, Seaver A.: *See—*
 Winkler, De Loss E., Raab and Ballard.
 Ballet, Margaret, administratrix: *See—*
 Riordan, Patrick F.
 Barber, Lonnie, assignor of one-half to (Mrs.) Irene Pritchett, Danville, Va. Aerial bomb. 2,434,452, Jan. 13.
 Barkelew, Richard C., Los Angeles, Calif. Resistance welding electrode and holder. 2,434,343, Jan. 13.
 Barker, William M., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,434,240, Jan. 13.
 Barr, Frank T., Summit, and Walter G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company. Two-stage synthesis of hydrocarbons. 2,434,537, Jan. 13.
 Baston, Cyril E., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control device. 2,434,538, Jan. 13.
 Beard, Charles L., Lancaster, Pa. Motor operated multiple blade shears. 2,434,308, Jan. 13.
 Beattie, Horace S.: *See—*
 Page, Ralph E., and Beattie.
 Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive centimetric antenna. 2,434,253, Jan. 13.
 Beckstrom, Harry A., Seattle, Wash. Loom mechanism. 2,434,344, Jan. 13.
 Beede, Herbert G., Pawtucket, R. I., assignor, by mesne assignments, to Pantex Manufacturing Corporation. Adjustable actuating means for garment pressing machines. 2,434,482, Jan. 13.
 Beeman, Charles E., Grand Rapids, Mich. Centrifugal means for admitting air to submarines. 2,434,453, Jan. 13.
 Beerbower, Alan, Westfield, and Arnold J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Lubricants. 2,434,539, Jan. 13.
 Bell Telephone Laboratories, Incorporated, assignee: *See—*
 Beck, Alfred C.
 Bond, Walter L., and Willard.
 Burton, Everett T.
 Edson, James O.
 Holden, William H. T.
 Ketchledge, Raymond W.
 Lakatos, Emory.
 Mason, Warren P.
 Peek, Robert L., Jr.
 Pfann, William G.
 Benjamin, Allen, Chicago, Ill. Flexible watch band. 2,434,383, Jan. 13.
 Benner, Dale A., Alton, Ill. Rail leveler. 2,434,254, Jan. 13.
 Berberich, Leo J., Forest Hills, assignor to Westinghouse Corporation, East Pittsburgh, Pa. Capacitor and dielectric therefor. 2,434,540, Jan. 13.
 Berthier, Jules H., Chamalleres, C. Montriant, and J. A. Colin, Suresnes, assignors to Comptoir de Materiel Textile. Société à Responsabilité Limitée, Paris, France. Making cabled yarns or cabled thread and means for carrying out the said method. 2,434,384, Jan. 13.
 Bierer, John M., Waban, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Manufacture of thermoplastic materials. 2,434,541, Jan. 13.
 Bockus, Robert C.: *See—*
 Landry, Henry J.
 Bonard, Claude, administrator: *See—*
 Dreyfus, Henry.
 Bond, Walter L., Brooklyn, N. Y., and G. W. Willard, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Temperature compensated wave propagation device. 2,434,255, Jan. 13.
 Bonnet, Maurice, assignor to Société La Reliéphographique Société pour l'Exploitation des Procédés de Photographie en Relief, Maurice Bonnet, Paris, France. Apparatus for obtaining photographs giving an impression of relief. 2,434,385, Jan. 13.
 Borg-Warner Corporation, assignee: *See—*
 Roth, Jay M.
 Borroughs, Joseph N., Piedmont, Calif. Swimming instruction apparatus. 2,434,542, Jan. 13.
 Borroughs, Joseph N., Piedmont, Calif. Swimming practice apparatus. 2,434,543, Jan. 13.
 Boston Woven Hose and Rubber Company, assignee: *See—*
 Bierer, John M.
 Bostwick, Myron A.: *See—*
 Sonnemann, William K., and Bostwick.
 Bowdill Company, The, assignee: *See—*
 Bowman, Charles L.
 Bower Roller Bearing Company, assignee: *See—*
 Johnson, Glen F.
 Bowman, Charles L., Canton, Ohio, assignor to The Bowdill Company. Wedge-grip holder for bits. 2,434,256, Jan. 13.
 Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Efficiency meter. 2,434,544, Jan. 13.
 Boylan, Gove S., Ridgway, Pa., assignor to United States Leather Company, New York, N. Y. Conveying mechanism. 2,434,345, Jan. 13.

Bradshaw, Jess H., San Jose, Calif. Valve silencer. 2,434,386, Jan. 13.
 Brady, Frederick W.: See—
 Brady, William H., Jr. and F. W. Brady, Chicago, Ill. Adhesive label dispenser. 2,434,545, Jan. 13.
 Brandt, Edison R., Marblehead, assignor to Edison Engineering Company, Inc., Swampscott, Mass. Article carrier. 2,434,387, Jan. 13.
 Breedlove, Harry B., Baton Rouge, La., assignor of one-half to J. H. Weatherford, Memphis, Tenn. Variable-speed hydraulic drive. 2,434,546, Jan. 13.
 Breese Burners, Inc., assignee: See—
 Breese, James L.: See—
 Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Generator burner and fuel control therefor. 2,434,346, Jan. 13.
 Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Temperature responsive motor control system. 2,434,347, Jan. 13.
 Brehm, Joseph R., Auburn, N. Y. Canning foods. 2,434,388, Jan. 13.
 Breitwieser, Paul, Jackson Heights, N. Y. Sheet paper dispenser. 2,434,454, Jan. 13.
 Breth, Ferdinand W., and A. Kinsel, Petrolia, Pa., assignors to L. Sonneborn Sons, Inc., New York, N. Y. Removal of fine dust from bauxite. 2,434,389, Jan. 13.
 Briggs, Allan L., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Portable ironing device. 2,434,483, Jan. 13.
 Briggs Manufacturing Company, assignee: See—
 Courtemanche, Edward O.: See—
 Brink, David L.: See—
 Salvesen, Jorgen R., Brink, Diddams, and Owzarski. Broughton, Napoleon L., Charleston, S. C. Tobacco curing stick. 2,434,309, Jan. 13.
 Brown, George H., Danbury, Conn. Crankcase compression supercharger for engines. 2,434,348, Jan. 13.
 Browne, Thomas E., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical gauge circuits. 2,434,547, Jan. 13.
 Bulova Watch Company, assignee: See—
 Burgbacher, John C.: See—
 Burgbacher, John C., Bayside, Long Island, assignor to Bulova Watch Company, New York, N. Y. Watch stem-winding and setting mechanism. 2,434,390, Jan. 13.
 Burns, William C., Santa Ana, Calif. Body weight distributing shoe pad construction. 2,434,258, Jan. 13.
 Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit arrangement utilizing a plurality of electron discharge devices. 2,434,259, Jan. 13.
 Burton, John L., assignee: See—
 Perkins, Alwin E.: See—
 Bussman, Aloysius B., St. Louis, Mo. Fence knob. 2,434,391, Jan. 13.
 Burch, Nathan, Irvington, Ky. Dispensing device for slender articles. 2,434,257, Jan. 13.
 California Research Corporation, assignee: See—
 Claussen, William H., and Powell. Camrud, Edwin S., Phoenix, Ariz. Brake lever. 2,434,548, Jan. 13.
 Cantrell, Harland J., Huntington, W. Va. Safety lock for locomotive throttle levers. 2,434,455, Jan. 13.
 Carey, Philip, Manufacturing Company, The, assignee: See—
 Marc, Henri M.: See—
 Carnegie-Illinois Steel Corporation, assignee: See—
 Schutte, Harry S.: See—
 Carpenter, Erwin L., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing succinonitrile. 2,434,606, Jan. 13.
 Carrier Corporation, assignee: See—
 Schulz, Edward L., and Bailey. Carruthers, Eben H., Ithaca, N. Y. Expandable and contractible means for compressing and shaping a yielding plant mass. 2,434,607, Jan. 13.
 Cavanagh, Agnes L.: See—
 Cavanagh, John F.: See—
 Cavanagh, John F., Providence, R. I., assignor to J. F. and A. L. Cavanagh, as joint tenants. Implement for driving staples. 2,434,260, Jan. 13.
 Chace, Paul G., Attleboro Falls, assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic element. 2,434,392, Jan. 13.
 Chace, Paul G., Attleboro Falls, and U. U. Savolainen, assignors to Metals & Controls Corporation, Attleboro, Mass. Radiator vent valve. 2,434,393, Jan. 13.
 Chambers, Albert M., Jr., Pittsford, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y. Oil seal. 2,434,484, Jan. 13.
 Chambers, Albert M., Jr., assignor to The Garlock Packing Company, Palmyra, N. Y. Oil seal. 2,434,485, Jan. 13.
 Chapman, Stuart H., Lima, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Spreader stoker apparatus. 2,434,261, Jan. 13.
 Chatelas, Edouard G., assignor of one-half to J. Moreau, Nice, France. Roundabout. 2,434,486, Jan. 13.

Cheney, Harry A., R. Dagley, Jr., and S. H. McAllister, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated alcohols. 2,434,394, Jan. 13.
 Cherry Rivet Company, assignee: See—
 Kugler, Herbert W.: See—
 Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,434,608, Jan. 13.
 Clarostat Mfg. Co., Inc., assignee: See—
 Mucher, George J.: See—
 Claussen, William H., and T. M. Powell, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Preparation of pure aromatics from petroleum distillates. 2,434,395, Jan. 13.
 Coffey, Anne, assignor to Coffey Creations, Inc., New York, N. Y. Hand knitting or crocheting device. 2,434,609, Jan. 13.
 Coffey Creations, Inc., assignee: See—
 Coffey, Anne.: See—
 Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Viscosity measuring apparatus. 2,434,349, Jan. 13.
 Collin, Joseph A.: See—
 Berthier, Jules H., and Collin.: See—
 Colonial Press, Inc., The, assignee: See—
 Martin, Kenneth P., and Rowland.: See—
 Colostom-Ease Inc., assignee: See—
 McArdle, James W.: See—
 Commerce, the United States of America, as represented by the Secretary of: See—
 Diamond, Harry, Dunmore, and Hinman.: See—
 Comptoir de Matériel Textile, Société à Responsabilité Limitée, assignee: See—
 Berthier, Jules H., and Collin.: See—
 Connors, James S.: See—
 Latchum, John W., Jr., and Connors.: See—
 Container Corporation of America, assignee: See—
 Van Saun, Raymond H.: See—
 Control Instrument Company, Inc., assignee: See—
 Lehde, Henry.: See—
 Cook, Elmer W., New York, N. Y., and P. H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Aminodiphenyl sulfides. 2,434,396, Jan. 13.
 Cook, Nathan B., Syracuse, N. Y. Poppet valve assembling tool. 2,434,456, Jan. 13.
 Cooper, Virgil K., North Hollywood, Calif. Self-wringing mop. 2,434,397, Jan. 13.
 Coulter, Alexander: See—
 Wiesner, Frank W., and Coulter.: See—
 Courtemanche, Edward O., Roseville, assignor to Briggs Manufacturing Company, Detroit, Mich. Control unit for welders. 2,434,350, Jan. 13.
 Courtemanche, Edward O., Roseville, assignor to Briggs Manufacturing Company, Detroit, Mich. Welding device. 2,434,351, Jan. 13.
 Corthead, Charles B., New York, N. Y. Iron with folding handle. 2,434,310, Jan. 13.
 Craig, Frank S., Chili, assignor to General Railway Signal Company, Rochester, N. Y. Mounting covers on mechanism cases. 2,434,241, Jan. 13.
 Craig, W. E.: See—
 Hester, William F., and Craig.: See—
 Cruikshank, Virgil M., Sunbury, Pa. Convertible riparian structure. 2,434,457, Jan. 13.
 Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid pressure operated circuit breaker. 2,434,549, Jan. 13.
 Curry, Paul N., assignor to Durametallic Corporation, Kalamazoo, Mich. Sealing device for shafts. 2,434,458, Jan. 13.
 Curtiss-Wright Corporation, assignee: See—
 Lemonier, Camille R., and Payne.: See—
 D. B. C. Sales Corporation, assignee: See—
 Sigmund, David.: See—
 Daellenbach, Raymond E., assignor of one-third to C. Humphrey, Grove City, Pa., and one-third to N. Nestas, Ellwood City, Pa. Auto-battery terminal connection. 2,434,398, Jan. 13.
 Dagley, Robert, Jr.: See—
 Cheney, Harry A., Dagley, and McAllister.: See—
 Dahlstrand, Josef Y., assignor to Universal Gear Corporation, Indianapolis, Ind. Pumping mechanism. 2,434,459, Jan. 13.
 Daniel, Daniel J., Fort Smith, Ark. Combination implement. 2,434,550, Jan. 13.
 Dean, Robert A., Minneapolis, Minn. Dental mirror. 2,434,311, Jan. 13.
 Delany, John J., Brooklyn, N. Y., and J. D. Langdon, Long Beach, Calif. Removable valve seat and sleeve. 2,434,262, Jan. 13.
 Dench, Edward C.: See—
 Hardy, Arthur C., and Dench.: See—
 Dexter Folding Company, assignee: See—
 Williams, Leo C.: See—
 Diamond, Harry, and F. W. Dunmore, Washington, D. C., and W. S. Hinman, Jr., Falls Church, Va., assignors to the United States of America, as represented by the Secretary of Commerce. Determining upper air wind conditions by radio direction finding. 2,434,263, Jan. 13.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Record controlled adding and comparing machine. 2,434,487, Jan. 13.
 Diddams, Donald G.: See—
 Salvesen, Jorgen Richter, Brink, Diddams, and Owzarski.: See—
 Dolude, Roman J., Los Angeles, Calif., assignor to General Electric Company. Erecting device for gyroscopes. 2,434,488, Jan. 13.
 Dow Chemical Co., The, assignee: See—
 Houtman, Thomas, Jr.: See—
 Downs, Austin H., Glen Ridge, assignor to Eclipse Air Brush Co., Newark, N. J. Mechanical agitator. 2,434,312, Jan. 13.
 Doxford, William, & Sons Limited, assignee: See—
 Purdie, William H.: See—
 Dreyfus, Henry, London, England; Claude Bonard, administrator of said Henry Dreyfus, deceased. Manufacture of compounds containing carbonyl groups. 2,434,313, Jan. 13.
 Duckenfield, Horace, San Francisco, Calif. Combination flush and storage tank for toilets or the like. 2,434,399, Jan. 13.
 Dugas, Joseph J., assignor to Higgins Industries, Inc., New Orleans, La. Dual throttle control for internal-combustion engine power plants. 2,434,489, Jan. 13.
 Duncan, Gordon W., Westfield, N. J., assignor to Standard Oil Development Company. Rust preventive lubricating oil compositions. 2,434,490, Jan. 13.
 Dunmore, Francis W.: See—
 Diamond, Harry, Dunmore, and Hinman.: See—
 Durametallic Corporation, assignee: See—
 Curry, Paul N.: See—
 Eastman Kodak Company, assignee: See—
 Hicks, Lester M.: See—
 Jelley, Edwin W., and Vittum.: See—
 Easton, Allan, Long Island City, assignor to Emerson Radio and Phonograph Corporation, New York, N. Y. Pulse modulated oscillator. 2,434,400, Jan. 13.
 Eaton, John L.: See—
 Olin, John F., and Eaton.: See—
 Eclipse Air Brush Co., assignee: See—
 Downs, Austin H.: See—
 Edison Engineering Company, Inc., assignee: See—
 Brandt, Edison R.: See—
 Edson, James O., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray oscilloscope circuit with timing marks. 2,434,264, Jan. 13.
 Edwards, Hilbert E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus having a water-softening mechanism controlled thereby. 2,434,352, Jan. 13.
 Edwards, Hilbert E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus having an automatically cycled regenerative water-softening system. 2,434,353, Jan. 13.
 Elder, Harold G., Chicago, and John F. Mowat, La Grange, Ill. Firing metallurgical furnaces. 2,434,491, Jan. 13.
 Electrolux Corporation, assignee: See—
 Anderson, Emil.: See—
 Electromaster, Inc., assignee: See—
 Marshall, Richard B.: See—
 Eliomarkakis, Panayotis J., Philadelphia, Pa. Magnetic fuse. 2,434,551, Jan. 13.
 Elliott Bay Mill Co., assignee: See—
 Johnson, Alfred C.: See—
 Elmore, Norman M., Elizabeth, and H. C. Evans, Cranford, N. J., assignors to Standard Oil Development Company. Polymerization process. 2,434,552, Jan. 13.
 Emerson Radio and Phonograph Corporation, assignee: See—
 Easton, Allan.: See—
 Emmons, Eugene R., assignor to Penn Electric Switch Co., Goshen, Ind. Driver for studs and the like. 2,434,354, Jan. 13.
 Ensley, Bert De W., Seattle, Wash. Coin display block. 2,434,553, Jan. 13.
 Era Tool and Engineering Company, assignee: See—
 Lonze, Ervin O.: See—
 Ericksberg, Alvah O.: See—
 Osterman, Joseph T., and Ericksberg.: See—
 Ericksberg, Alvah O., Springfield, and J. T. Osterman, Northampton, assignors to American Bosch Corporation, Springfield, Mass. Electric coil. 2,434,492, Jan. 13.
 Evans, Hector C.: See—
 Elmore, Norman M., and Evans.: See—
 Evans, Theodore W.: See—
 Morris, Rupert C., and Evans.: See—
 Fairbanks, Henry N., Beverly Hills, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Automatic loop replenisher. 2,434,355, Jan. 13.
 Fairbanks, Morse & Co., assignee: See—
 Justus, James E.: See—
 Farnstrom, Harry L., Erie, Pa. Manually operated sheet metal flanging tool. 2,434,401, Jan. 13.
 Farnsworth Research Corporation, assignee: See—
 Hallmark, Clyde E.: See—
 Sallinger, Hans W. G.: See—
 Felker, George E., Jr., Albany, N. Y., assignor to General Electric Company. Microwave power measuring instrument. 2,434,610, Jan. 13.

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 Felker, Walton A., Torrance, Calif. Abrasive article and manufacture. 2,434,314, Jan. 13.
 Fengler, Ferdinand, assignor to The E. Ingraham Company, Bristol, Conn. Bell mount for timepieces. 2,434,460, Jan. 13.
 Fields, Charles V., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Terminal bushing seal. 2,434,554, Jan. 13.
 Finkelstein, William, Rye, N. Y. Interchangeable sand-paper device. 2,434,356, Jan. 13.
 Fischer, Arthur H., assignor to Minerec Corporation, New York, N. Y. Tetra-alkyl carbonyl tetrathio diphosphates and their preparation. 2,434,357, Jan. 13.
 Fischer, Eugene H., J. D. Harnish, Derry, and R. Russell, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical insulator. 2,434,555, Jan. 13.
 Flier, Alfred W., assignor to Shell Development Company, San Francisco, Calif. Concentrating dilute aqueous solutions of metal ammonium complex compounds. 2,434,402, Jan. 13.
 Florence Stove Company, assignee: See—
 Schneider, Frank H.: See—
 Foltis, Anestis, Jackson Heights, N. Y. Toilet paper holder attachment. 2,434,556, Jan. 13.
 Forchheimer, Ben, New Orleans, La. Garment protector. 2,434,461, Jan. 13.
 Fox, Edward A., Jr., and S. C. Tingquist, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for molding wax objects. 2,434,557, Jan. 13.
 Frank, Louis, Fellows, Calif. Clamping connector and carrier. 2,434,358, Jan. 13.
 Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing cyclopentadiene. 2,434,403, Jan. 13.
 Froland, Olav, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,434,315, Jan. 13.
 Fruth, Hal F., Chicago, Ill., assignor to Motorola, Inc. Holder for piezoelectric crystal units. 2,434,265, Jan. 13.
 Fruth, Hal F., Chicago, and D. E. Noble, Elmhurst, Ill., assignors to Motorola, Inc. Piezoelectric crystal unit. 2,434,266, Jan. 13.
 Gage, Gordon, and D. Hughes, Butler, Pa., assignors to The American Rolling Mill Company, Middletown, Ohio. Rolling of thin gauged material. 2,434,558, Jan. 13.
 Garcia, Anthony, New York, N. Y. Disappearing automobile window screen. 2,434,559, Jan. 13.
 Garlock Packing Company, The, assignee: See—
 Chambers, Albert M., Jr.: See—
 Gburski, Leonard J., Fort Wayne, Ind., assignor to General Electric Company. Voltage stabilizing transformer. 2,434,493, Jan. 13.
 Gelgy, J. R., A. G. assignee: See—
 Jenny, Alfred, and Pedolin.: See—
 Gem Crib and Cradle Company, assignee: See—
 Landry, Henry J., and Bockus.: See—
 General Controls Co., assignee: See—
 Ray, William A.: See—
 General Electric Company, assignee: See—
 Anderson, Cleophos E.: See—
 Dolude, Roman J.: See—
 Gburski, Leonard J.: See—
 Felker, George E., Jr.: See—
 Kearsley, William K.: See—
 McArthur, Elmer D.: See—
 McCarty, Orin P.: See—
 General Motors Corporation, assignee: See—
 McCormick, Francis H.: See—
 General Railway Signal Company, assignee: See—
 Craig, Frank S.: See—
 Barker, William M.: See—
 Pfleger, Harry M.: See—
 George, Warren E.: See—
 Olivier, Jules A., and George.: See—
 Gerner, Anson J., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Grid structure in electron discharge devices. 2,434,494, Jan. 13.
 Gertz, Melvin H.: See—
 Pfennig, Reuben F., and Gertz.: See—
 Ginton, Edward L., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Frequency control system. 2,434,294, Jan. 13.
 Giroux, Joseph A., Southbridge, Mass. Intermittent strip feed projector mechanism. 2,434,359, Jan. 13.
 Gistucci, Paul X. A., assignee: See—
 Lichtenstein, Johann, and Gistucci.: See—
 Goehring, Alfred E.: See—
 Moffatt, Frank R., and Goehring.: See—
 Golden, John V., Stamford, Conn., and F. H. Runz, New York, N. Y. Frankfurter skinning machine. 2,434,316, Jan. 13.
 Goodwin, Don O., St. Louis, Mo. Spotting board. 2,434,404, Jan. 13.
 Gorman, Frank J., Reno, Nev. Furnace hot-water heater. 2,434,267, Jan. 13.
 Grinnell Corporation, assignee: See—
 Loepfinger, Albert J.: See—

Gross, George L., Hartford, Conn. Finger cot. 2,434,317, Jan. 13.
 Gunter, Frank B., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Termination for transmission lines. 2,434,560, Jan. 13.
 Gwyn, Harry M., Jr.: See—
 Laughlin, Carl D., and Gwyn.
 Haddad, Jerrier: See—
 Leathers, Ward, and Haddad.
 Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Television background control system. 2,434,405, Jan. 13.
 Hamel, Dorman E., Columbus, Ohio. Nursing bottle. 2,434,611, Jan. 13.
 Hamel, Dorman E., Columbus, Ohio. Air-vented nursing bottle. 2,434,612, Jan. 13.
 Hardy, Arthur C., Wellesley, Mass., and E. C. Dench, West Hartford, Conn., assignors to Interchemical Corporation, New York, N. Y. Color facsimile. 2,434,561, Jan. 13.
 Harnish, John D.: See—
 Fischer, Eugene H., Harnish, and Russell.
 Harris, Milton, Bethesda, Md., assignor to Textile Foundation, Washington, D. C. Treating animal fibers and product thereof. 2,434,562, Jan. 13.
 Hartford National Bank & Trust Co., assignee, trustee: See—
 Strutt, Maximilian J. O.
 Strutt, Maximilian J. O., and van der Ziel.
 Van Loon, Carel Jan.
 Hartkopf, William, East Orange, N. J. Making scissors. 2,434,268, Jan. 13.
 Harvey, Earle M., Springfield, Mass. Firearm magazine. 2,434,269, Jan. 13.
 Haubert, Leo, Tulsa, Okla. Combination swivel eye and swivel base. 2,434,318, Jan. 13.
 Hawley, James E., Aughton, Ormskirk, England. Floor mop. 2,434,563, Jan. 13.
 Hazeltine Research, Inc., assignee: See—
 Sheppard, Charles B.
 Heigl, John J.: See—
 Wilson, James A., and Heigl.
 Helpy Selfy Service System, Inc., assignee: See—
 McEwen, Norman S.
 Herath, Russell A., Joliet, and C. P. Pettigrew, Elwood, Ill., assignors to The American Steel and Wire Company of New Jersey. Automatic stop mechanism. 2,434,406, Jan. 13.
 Herick, Lad L., Lakewood, Ohio. Counterbalancing mechanism for machine tools. 2,434,613, Jan. 13.
 Hermes, Bernard P., Los Gatos, Calif. Space miser clothes rack. 2,434,242, Jan. 13.
 Hess, John, St. Louis, Mo. Adjustable ash tray and stand for beds. 2,434,360, Jan. 13.
 Hester, William F., Drexel Hill, and W. E. Craig, assignors to Rohm & Haas Company, Philadelphia, Pa. Substituted nitro aromatic amines as insecticides. 2,434,564, Jan. 13.
 Hicks, Lester M., assignor to Eastman Kodak Company, Rochester, N. Y. Thermoplastic synthetic resin optical lap. 2,434,614, Jan. 13.
 Higgins Industries, Inc., assignee: See—
 Dugas, Joseph J.
 Hill, Lawrence R., Wilkinsburg, and J. J. Keyes, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Device for treating wire. 2,434,565, Jan. 13.
 Hinman, Wilbur S., Jr.: See—
 Diamond, Harry, Dunmore, and Hinman.
 Hjelte, Sixten M., Stockholm, Sweden. Bituminous emulsions. 2,434,243, Jan. 13.
 Hofe, George D., South Orange, N. J. Depilatory device. 2,434,407, Jan. 13.
 Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric air position indicator. 2,434,270, Jan. 13.
 Holton, Rollin C., Canton, Ohio. Cribbage board. 2,434,495, Jan. 13.
 Hopkins, William W., Springfield, Mass. Dressing device for grinding wheels. 2,434,615, Jan. 13.
 Hoppe, William, Longmeadow, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass. Paper feed for wrapping machines. 2,434,616, Jan. 13.
 Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Wrapping round cakes. 2,434,617, Jan. 13.
 Hornblow, Messrs., Limited, assignee: See—
 Winter, Hugo A. M.
 Houtman, Thomas, Jr., assignor to The Dow Chemical Co., Midland, Mich. Light stable compositions comprising polymeric vinylidene chloride or vinyl chloride and certain 5-substituted 2-hydroxybenzophenones. 2,434,496, Jan. 13.
 Howatt, Glenn N., U. S. Army, Metuchen, N. J. Injection molding ceramic bodies using thermoplastic binder. 2,434,271, Jan. 13.
 Huffman, James O., Los Angeles, Calif. Trowelling machine. 2,434,408, Jan. 13.
 Hughes, David: See—
 Gage, Gordon, and Hughes.
 Hulsmann, Edward C., Chicago, Ill. Pastry slicing guide with pivoted guide. 2,434,566, Jan. 13.
 Humphrey, Carl, assignee, et al.: See—
 Daellenbach, Raymond E.
 Industrial Patent Corporation, assignee: See—
 Wales, Nathaniel B.
 Ingraham, E., Company, The, assignee: See—
 Fongler, Ferdinand.
 Inel-X Corporation, assignee: See—
 Smith, Howard E.
 Interchemical Corporation, assignee: See—
 Hardy, Arthur C., and Dench.
 International Business Machines Corporation, assignee: See—
 Dickinson, Arthur H.
 Lang, William.
 Leathers, Ward, and Haddad.
 Page, Ralph E., and Beattie.
 International Nickel Company, Inc., The, assignee: See—
 Wise, Edmund M.
 Ipatieff, Vladimir N., and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Purifying a hydrocarbon mixture containing small amounts of organic fluorine compounds. 2,434,409, Jan. 13.
 Iwashita, George K., Indianapolis, Ind., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Two-temperature refrigerator. 2,434,361, Jan. 13.
 Jahnig, Charles E., Roselle, and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Method and apparatus for contacting hydrocarbons with catalyst particles. 2,434,567, Jan. 13.
 Jamestown Metal Equipment Company, Inc., assignee: See—
 Briggs, Allan L.
 Jelley, Edwin E., and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Color photography with azo-substituted couplers. 2,434,272, Jan. 13.
 Jenny, Alfred, and A. Pedolin, assignors to J. R. Gelgy A. G., Basel, Switzerland. Trisazo dyestuffs and making same. 2,434,410, Jan. 13.
 Johnson, Alfred C., assignor to Elliott Bay Mill Co., Seattle, Wash. Selective transfer apparatus for plywood. 2,434,411, Jan. 13.
 Johnson, Birger L., Bozeman, Mont. Paint and varnish scraper. 2,434,244, Jan. 13.
 Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Grinding machine. 2,434,245, Jan. 13.
 Johnson, William P., Oswego, Oreg. Saw clamp. 2,434,568, Jan. 13.
 Jones, Edwin P., Salinas, Calif., assignor to the United States of America, as represented by the Secretary of Agriculture. Recovering rubber from guayule shrub. 2,434,412, Jan. 13.
 Justus, James E., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Control means for Diesel-electric locomotives. 2,434,413, Jan. 13.
 Kaellin, Walter H.: See—
 Thomas, Robert M., Ostrander, and Kaellin.
 Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Pusher installation for turbine-driven propellers. 2,434,319, Jan. 13.
 Kapp, Roland, Newark, F. D. Pickel, Bogota, and L. T. Rosenberg, Ridgefield Park, assignors to Nopco Chemical Company, Harrison, N. J. Synthesis of aldehydes and lactones. 2,434,246, Jan. 13.
 Karlström, Hans O.: See—
 Svensson, Rolf A., and Karlström.
 Karlström, Karl A. S., Gave, Sweden. Device for the fixing of dental apparatus in the cavity of the mouth in a definite position relative to the teeth. 2,434,320, Jan. 13.
 Kearney, James R., Corporation, assignee: See—
 Froland, Olav.
 Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Therapeutic apparatus. 2,434,497, Jan. 13.
 Keene, Lester F.: See—
 Poehler, Horst A., and Keene.
 Kellogg, M. W., Company, The, assignee: See—
 Solomon, Ernest.
 Kempthorne, James L., Montclair, N. J. Texturing device. 2,434,462, Jan. 13.
 Kerr, Ralph L., Houston, Tex., assignor of one-half to T. N. Law, Tulsa, Okla. Aircraft pickup and arresting device. 2,434,618, Jan. 13.
 Ketchledge, Raymond W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,434,273, Jan. 13.
 Keyes, John J.: See—
 Hill, Lawrence R., and Keyes.
 Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Making 2-hydroxy-methyl-1,4-dioxane. 2,434,414, Jan. 13.
 Kile, Clifford S., Hutchinson, Kans. Dental articulator and producing same. 2,434,415, Jan. 13.
 Kinsel, Anthony: See—
 Breth, Ferdinand W., and Kinsel.
 Klassett, George E., Atlanta, Ga. Brake drum trueing machine. 2,434,498, Jan. 13.
 Klein, Joseph S., Jr., Detroit, Mich. Valve seat grinder. 2,434,463, Jan. 13.

Kleiner, George J., South Milwaukee, and W. Schumbacker, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Welding. 2,434,321, Jan. 13.
 Knaus, Nicholas, Cranford, and P. J. Anton, Elizabeth, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Overedge sewing machine. 2,434,619, Jan. 13.
 Kohn, Joseph, Merion, Pa., and M. R. Stein, New York, N. Y., assignors to Universal Dental Company, Philadelphia, Pa. Forming artificial teeth. 2,434,416, Jan. 13.
 Kovalsky, Joseph F., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Voltage regulator. 2,434,569, Jan. 13.
 Kraft Foods Company, assignee: See—
 Nelson, Clarence E.
 Krapf, Herman C.: See—
 Renshaw, David E., and Krapf.
 Krasnow, Shelley: See—
 Test, Meyer J., and Krasnow.
 Kugler, Herbert W., assignor to Cherry Rivet Company, Los Angeles, Calif. Small parts holder for electrolytic baths. 2,434,417, Jan. 13.
 Kusch, Polykarp: See—
 Okress, Ernest C., and Kusch.
 Lakatos, Emory, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artillery computer. 2,434,274, Jan. 13.
 La Lande, William A., Jr., Upper Darby, assignor to Attapulugus Clay Company, Philadelphia, Pa. Preparation of magnesium silicate adsorbents. 2,434,418, Jan. 13.
 Landes, Benjamin D., Middletown, R. I. Device for attaching antiskid chains to vehicle wheels. 2,434,362, Jan. 13.
 Landry, Henry J., South Ashburnham, and R. C. Bockus, assignors to Gem Crib and Cradle Company, Gardner, Mass. Crib spring. 2,434,620, Jan. 13.
 Lang, William, assignor to International Business Machines Corporation, New York, N. Y. Relay computing mechanism. 2,434,499, Jan. 13.
 Langdon, Jesse D.: See—
 Delany, John J., and Langdon.
 Langdon, Jesse D., Long Beach, Calif. Safety razor. 2,434,275, Jan. 13.
 Laskowitz, Isidor B., Brooklyn, N. Y. Tilttable counter-rotating rotor system for helicopters and control means therefor. 2,434,276, Jan. 13.
 Latchum, John W., Jr., and J. S. Connors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Azeotropic distillation of toluene with propionic acid. 2,434,322, Jan. 13.
 Laughlin, Carl D., Drexel Hill, and H. M. Gwyn, Jr., assignors to Attapulugus Clay Company, Philadelphia, Pa. Regenerating adsorbents. 2,434,419, Jan. 13.
 Law, Theodore N., assignee: See—
 Kerr, Ralph L.
 Leathers, Ward, Brooklyn, and Jerrier Haddad, Ithaca, assignors to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,434,500, Jan. 13.
 Ledwith, Walter A., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Sliding compressor cylinder. 2,434,323, Jan. 13.
 Leef, John H., Minneapolis, Minn. Clothes-washing machine. 2,434,570, Jan. 13.
 Lehde, Henry, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Earth inductor compass. 2,434,324, Jan. 13.
 Lemonier, Camille R., East Aurora, and Samuel T. Payne, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Cargo airplane. 2,434,464, Jan. 13.
 Lenox, Frank J., Weehawken, N. J. Spool. 2,434,363, Jan. 13.
 Le Vesconte, Harold J., Glendale, Calif., assignor to Union Special Machine Company, Chicago, Ill. Intermittent feed high-frequency electrical apparatus for uniting dielectric materials. 2,434,325, Jan. 13.
 Levy, Cyril C.: See—
 Steed, Paul B., and Levy.
 Levy, Helen A., executrix: See—
 Steed, Paul B., and Levy.
 Lewis, Frank M., Weston, Mass., assignor to Lima-Hamilton Corporation, New York, N. Y. Piston safety stop and reversing means for free piston engines. 2,434,277, Jan. 13.
 Lewis, John R., D. McCreath, and R. J. W. Reynolds, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Production of elastic nylon articles. 2,434,247, Jan. 13.
 Lichtenstein, Johann, Levallois-Perret, and P. X. A. Gistucci, Paris, France, assignors to Societe Generale Des Carburateurs Zenith, Geneva, Switzerland. Induction pressure regulator. 2,434,420, Jan. 13.
 Lilly, Eli, and Company, assignee: See—
 Kharasch, Morris S.
 Lima-Hamilton Corporation, assignee: See—
 Lewis, Frank M.
 Morain, Willard A.
 Linding, Herman M., Ossining, N. Y. Fly catcher. 2,434,364, Jan. 13.
 Linn, Carl B.: See—
 Ipatieff, Vladimir N., and Linn.
 Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Regulating apparatus. 2,434,421, Jan. 13.
 Long, Sidney L., Minneapolis, Minn. Ball actuated toy. 2,434,571, Jan. 13.
 Lonze, Ervin O., assignor to Era Tool and Engineering Company, Chicago, Ill. Wheel construction. 2,434,501, Jan. 13.
 Maciejowski, John J., Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Mechanism for retarding the rate of fire of automatic firearms. 2,434,326, Jan. 13.
 Mankin, Arthur H., assignor to Philco Corporation, Philadelphia, Pa. Corona shield. 2,434,572, Jan. 13.
 Mann, Julius W., and G. F. Russell, Tacoma, Wash. Radio frequency parallel bonding. 2,434,573, Jan. 13.
 Mantell, Charles L., Manhasset, N. Y., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del. Solvent for rayon and rayon treating solution. 2,434,621, Jan. 13.
 Marc, Henri M., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Manufacture of ducts. 2,434,465, Jan. 13.
 Marc, Henri M., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Composite board. 2,434,466, Jan. 13.
 Marsden, Douglas J., Redwood City, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,434,422, Jan. 13.
 Marshall, Richard B., assignor to Electromaster, Inc., Detroit, Mich. Heating system. 2,434,574, Jan. 13.
 Marshall, Richard B., assignor to Electromaster, Inc., Detroit, Mich. Heating system. 2,434,575, Jan. 13.
 Martin, Glenn L., Company, The, assignee: See—
 Wiesner, Frank W., and Coulter.
 Martin, Kenneth P., Lancaster, and W. P. Rowland, assignors to The Colonial Press, Inc., Clinton, Mass. Book and the production thereof. 2,434,502, Jan. 13.
 Maschin, Harold F., assignor to The Westfield Manufacturing Company, Westfield, Mass. Bicycle stand. 2,434,423, Jan. 13.
 Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine detecting device. 2,434,278, Jan. 13.
 McAllister, Sumner H.: See—
 Cheney, Harry A., Dagley, and McAllister.
 McArdle, James W., assignor to Colostom-Ease Inc., Pittsburgh, Pa. Colostomy irrigator. 2,434,327, Jan. 13.
 McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Light sensitive electric discharge device. 2,434,622, Jan. 13.
 McCarty, Orin P., Pittsfield, Mass., assignor to General Electric Company. Tap changing system. 2,434,503, Jan. 13.
 McCormick, Francis H., assignor to General Motors Corporation, Dayton, Ohio. Electric heating system for ovens. 2,434,467, Jan. 13.
 McCreath, David: See—
 Lewis, John R., McCreath, and Reynolds.
 McDonough, Everett G., Yonkers, and V. M. McGoldrick, Jackson Heights, N. Y. Permanently waving hair. 2,434,279, Jan. 13.
 McEwen, Norman S., assignor to Helpy Selfy Service System, Inc., Fort Lauderdale, Fla. Plural compartment tumbler type washing machine. 2,434,468, Jan. 13.
 McGoldrick, Virginia M.: See—
 McDonough, Everett G., and McGoldrick.
 McLane, Edward A., Elko, Nev. Shoemaker's clamp. 2,434,328, Jan. 13.
 McMahan, William W., assignor to Wingfoot Corporation, Akron, Ohio. Vacuum apparatus for filling tires with water. 2,434,365, Jan. 13.
 McShane, Phelan, and D. E. Renshaw, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Socket cover and plug interlocking switch. 2,434,576, Jan. 13.
 Meadow, Jacob R., and W. A. Stover, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Simultaneous alkylation and desulfurization. 2,434,623, Jan. 13.
 Meltzer, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Accumulator injection apparatus. 2,434,329, Jan. 13.
 Merchandising Engineers, Inc., assignee: See—
 Sullivan, Harry G.
 Merrill, Oliver B., Amesbury, Mass. Trim element for closure frames. 2,434,504, Jan. 13.
 Merz, Benjamin W., Narberth, Pa., and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. High-frequency dielectric seaming apparatus. 2,434,330, Jan. 13.
 Metals & Controls Corporation, assignee: See—
 Chace, Paul G.
 Chace, Paul G., and Savolainen.
 Mignona, William, Pottstown, Pa. Automatic infeed mechanism. 2,434,366, Jan. 13.
 Miller, Beulah F., and E. F. Probst, Cleveland, Ohio. Shoe apron or protector. 2,434,331, Jan. 13.
 Miller, Herbert L., Portland, Oreg. Nonmetallic paste or similar tube. 2,434,505, Jan. 13.

LIST OF PATENTEEES

Miller, Pharis, Elizabeth, N. J., assignor to Standard Oil Development Company. High-compression motor fuels and their manufacture. 2,434,577, Jan. 13.
 Miller, Pharis, Mountaine, N. J., assignor to Standard Oil Development Company. Antiknock motor fuel. 2,434,578, Jan. 13.
 Milner, Harry L., Cheltenham, assignor to Rotol Limited, Gloucester, England. Propeller. 2,434,506, Jan. 13.
 Minerece Corporation, assignee: See—
 Fischer, Arthur H.
 Mitchell Camera Corporation, assignee: See—
 Fairbanks, Henry N.
 Modine Manufacturing Company, assignee: See—
 Spieth, Benjamin.
 Moffatt, Frank R., and A. E. Goehring, Ridgeway, Pa., assignors to United States Leather Company, New York, N. Y. Wringing machine. 2,434,367, Jan. 13.
 Morain, Willard A., Hamilton, Ohio, assignor to Lima-Hamilton Corporation, New York, N. Y. Free piston engine air pressure make-up and auxiliary supply means. 2,434,280, Jan. 13.
 Moreau, Jean, assignee: See—
 Chatelas, Edouard G.
 Morgan Construction Company, assignee: See—
 Young, Richard W.
 Morris, Rupert C., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Plural stage extractive distillation with inverse solvents. 2,434,424, Jan. 13.
 Morway, Arnold J.: See—
 Beerbower, Alan, and Morway.
 Moss, Philip H.: See—
 Cook, Elmer W., and Moss.
 Mostek, Jerome L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. 2-chloro-3-iminobutynitrile and process. 2,434,507, Jan. 13.
 Motorola, Inc., assignee: See—
 Fruth, Hal F.
 Fruth, Hal F., and Noble.
 Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Glass and making same. 2,434,281, Jan. 13.
 Mowat, John F.: See—
 Elder, Harold G., and Mowat.
 Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Coupling for potentiometers. 2,434,248, Jan. 13.
 Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,434,282, Jan. 13.
 Muller, George W., Miami Beach, Fla. Rail retaining and spike fastening means. 2,434,579, Jan. 13.
 Muller, Jacques, La Garenne-Colombes, France. Apparatus for the gauging of liquids. 2,434,425, Jan. 13.
 Muller, Jacques, La Garenne-Colombes, France. Coupling. 2,434,426, Jan. 13.
 Muller, Jacques, La Garenne-Colombes, France. Device for cleaning filters. 2,434,427, Jan. 13.
 Mueller, Jacques, La Garenne-Colombes, France. Self-closing filling nozzle. 2,434,428, Jan. 13.
 Muskat, Irving E., Glenside, Pa., assignor to Vulcan Detinning Company, Seward, N. J. Treating tin-containing materials. 2,434,283, Jan. 13.
 Muskat, Irving E., Glenside, Pa., assignor to Vulcan Detinning Company, Seward, N. J. Treating tin-containing materials. 2,434,284, Jan. 13.
 Myers, William A., San Diego, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Pressure-proof reproducer. 2,434,469, Jan. 13.
 National Bread Wrapping Machine Co., assignee: See—
 Hoppe, William.
 National Carbon Company, Inc., assignee: See—
 Williford, Edward A.
 National Dairy Research Laboratories, Inc., assignee: See—
 Weisberg, Samuel M., and Stimpson.
 Navy, United States of America, as represented by the Secretary of: See—
 Myers, William A.
 Nelson, Clarence E., Chicago, Ill., assignor to Kraft Foods Company. Manufacture of oleomargarine. 2,434,429, Jan. 13.
 Nelson Company, The, assignee: See—
 Watson, Edgar.
 Nestas, Nancy: See—
 Daellenbach, Raymond E.
 New Britain Machine Company, The, assignee: See—
 Rockwell, Edward A.
 Noble, Daniel E.: See—
 Fruth, Hal F., and Noble.
 Noble, Milner, assignor to Aerofin Corporation, Syracuse, N. Y. Purge arrangement for heating coils. 2,434,580, Jan. 13.
 Nopco Chemical Company, assignee: See—
 Kapp, Roland, Pickel, and Rosenberg.
 Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency conductor. 2,434,509, Jan. 13.
 Okress, Ernest C., Montclair, N. J., and P. Kusich, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coupling device. 2,434,508, Jan. 13.

Olin, John F., Grosse Ile, and J. L. Eaton, Trenton, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Condensation of olefinic compounds with hydrogen sulfide. 2,434,510, Jan. 13.
 Olivier, Jules A., Grosse Pointe Farms, and W. E. George, Detroit, Mich. Convertible automobile top. 2,434,332, Jan. 13.
 Olson, Nels L., Detroit, Mich. Combined toilet seat and cover. 2,434,249, Jan. 13.
 Osterman, Joseph T.: See—
 Ericksberg, Alvah O., and Osterman.
 Osterman, Joseph T., Northampton, and A. O. Ericksberg, Springfield, assignors to American Bosch Corporation, Springfield, Mass. Making electric coils. 2,434,511, Jan. 13.
 Ostrander, Charles W.: See—
 Thomas, Robert M., Ostrander and Kaelin.
 Ottoson, Oscar, New York, N. Y. Abrasive sheet holder. 2,434,581, Jan. 13.
 Owzarski, Peter: See—
 Salvesen, Jorgen Richter, Brink, Diddams and Owzarski.
 Page, Ralph E., West Orange, and H. S. Beattie, East Orange, N. J. assignors to International Business Machines Corporation, New York, N. Y. Record controlled distributing and accounting machine. 2,434,512, Jan. 13.
 Palmer, Charles E., Buffalo, N. Y. Buffing and polishing machine. 2,434,513, Jan. 13.
 Pantex Manufacturing Corporation, assignee: See—
 Beede, Herbert G.
 Paulic, Leo S., East Lansing, Mich. Trouser hanger. 2,434,430, Jan. 13.
 Pava, Jack R., assignee: See—
 Pincok, Douglas F.
 Payne, Samuel T.: See—
 Lemonier, Camille R., and Payne.
 Pederson, Ben, Chicago, Ill. Paper roll holding fixture. 2,434,368, Jan. 13.
 Pedolin, Alex.: See—
 Jenny, Alfred, and Pedolin.
 Peek, Robert L., Jr., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compression wave translating device. 2,434,285, Jan. 13.
 Penn Electric Switch Co., assignee: See—
 Emmons, Eugene R.
 Penn, George R., Danville, Va. Cigarette container for household use. 2,434,514, Jan. 13.
 Perkins, Alwin E., Kilburn, London, assignor of one-half to J. L. Burton, London, England. Pocket lighter. 2,434,515, Jan. 13.
 Permanente Metals Corporation, The, assignee: See—
 Austin, Leslie W.
 Persons, Charles A., and J. G. S. Robinson, Worcester, assignors to Persons-Majestic Manufacturing Company, Worcester, Mass. Mechanical siren. 2,434,516, Jan. 13.
 Persons-Majestic Manufacturing Company, assignee: See—
 Persons, Charles A., and Robinson.
 Peterson, Henning E., Duluth, Minn. Perforators for printing presses. 2,434,624, Jan. 13.
 Pettigrew, Charles P.: See—
 Herath, Russell A., and Pettigrew.
 Pfann, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Forming a point at the end of a wire. 2,434,286, Jan. 13.
 Pfennig, Reuben F., Goose Creek and M. H. Gertz, Baytown, Tex., assignors to Standard Oil Development Company. Production of vulcanizable isobutylene-isoprene copolymers. 2,434,582, Jan. 13.
 Pfager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,434,287, Jan. 13.
 Philco Corporation, assignee: See—
 Mankin, Arthur H.
 Phillips Petroleum Company, assignee: See—
 Frey, Frederick E.
 Latchum, John W., Jr., and Connors.
 Pickel, Frank D.: See—
 Kapp, Roland, Pickel, and Rosenberg.
 Pierce, Raymond C., Chicago, Ill. Snubbed quick wheel change truck. 2,434,583, Jan. 13.
 Pincok, Douglas F., assignor of one-half to J. R. Pava, Santa Barbara, Calif. Surgical pin guide. 2,434,431, Jan. 13.
 Poehler, Horst A., Long Island City, N. Y. and L. F. Keene, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Activating cathodes. 2,434,517, Jan. 13.
 Powell, Thomas M.: See—
 Claussen, William H., and Powell.
 Preble, Andrew Y., El Centro, Calif. Method and apparatus for precooling freight cars. 2,434,432, Jan. 13.
 Press, Myron H., Woodside, N. Y. Motion-picture projector. 2,434,518, Jan. 13.
 Pritchett, Irene, (Mrs.), assignee: See—
 Barber, Lonnie.
 Probst, Ernest F.: See—
 Miller, Beulah F., and Probst.
 Purdie, William H., assignor to William Dorrard & Sons Limited, Sunderland, England. Multiple cylinder opposed piston and pumps. 2,434,584, Jan. 13.

LIST OF PATENTEEES

Raab, William J.: See—
 Winkler, De Loss E., Raab, and Ballard.
 Raskin, Walter, New York, N. Y. Heat exchange conduit with a spiral fin having a capillary groove. 2,434,519, Jan. 13.
 Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Control circuit. 2,434,433, Jan. 13.
 Read, Davis, Jr., La Grange, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,434,434, Jan. 13.
 Rebus, Carl, Edmonton, Alberta, Canada. Advertising display stand in the form of a globe. 2,434,250, Jan. 13.
 Rebel, Sidney, Huntington Woods, Mich. System for conveying chips or other loose material. 2,434,435, Jan. 13.
 Reinhard, Gustav A., Shaker Heights, Ohio. Rotary brush type converter. 2,434,520, Jan. 13.
 Renshaw, David E.: See—
 McShane, Phelan, and Renshaw.
 Renshaw, David E., Forest Hills, and H. C. Krapf, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for vehicles with multiple current source. 2,434,585, Jan. 13.
 Reynolds, Harold B., Onelda, N. Y. Electromagnetic pulsator valve. 2,434,586, Jan. 13.
 Reynolds, Reginald J. W.: See—
 Lewis, John R., McCreath, and Reynolds.
 Rheem Manufacturing Company, assignee: See—
 Anderson, Rea V.
 Thomas, Robert M., Ostrander, and Kaelin.
 Rhodes, M. H., Incorporated, assignee: See—
 Rhodes, Marcus H.
 Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Audible time signal. 2,434,470, Jan. 13.
 Rhodes, Marcus H., assignor to M. H. Rhodes Incorporated, Hartford, Conn. Electric time switch. 2,434,471, Jan. 13.
 Richards-Wilcox Manufacturing Company, assignee: See—
 Sheets, Carl L.
 Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Friction clutch and detent mechanism on indicator drive. 2,434,369, Jan. 13.
 Riordan, F. S., assignee: See—
 Riordan, Patrick F.
 Riordan, Patrick F., Summit Hill, Pa.; M. Ballet, administratrix of said Patrick F. Riordan, deceased, assignor to F. S. Riordan, Lansford, Pa. Slaughtering tool for dry picking poultry. 2,434,587, Jan. 13.
 Rochowiak, Harold S., Detroit, Mich. Toy machine gun. 2,434,436, Jan. 13.
 Rockwell, Edward A., Forest Hills, N. Y., assignor to The New Britain Machine Company, New Britain, Conn. Power system. 2,434,588, Jan. 13.
 Roddenberry, Walter B., Jr., Marietta, Ga. Length gauge for crosscut saws. 2,434,472, Jan. 13.
 Rühm & Haas Company, assignee: See—
 Hester, William F., and Craig.
 Rosenberg, Louis T.: See—
 Kapp, Roland, Pickel, and Rosenberg.
 Ross, William E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Isomerization of paraffin hydrocarbons with fluid Friedel-Crafts catalyst and added dicyclic naphthenic hydrocarbons. 2,434,437, Jan. 13.
 Roth, Jay M., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump shaft seal. 2,434,589, Jan. 13.
 Rotol Limited, assignee: See—
 Milner, Harry L.
 Rowland, Walter P.: See—
 Martin, Kenneth P., and Rowland.
 Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Condition responsive circuit for rotatable members. 2,434,438, Jan. 13.
 Runde, Oliver F., Columbus, Ohio. Hydraulic transmission. 2,434,590, Jan. 13.
 Runz, Frank H.: See—
 Golden, John V., and Runz.
 Ruskin, Frances R., assignee: See—
 Ruskin, Simon L.
 Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Preparation of alkali metal ascorbates. 2,434,625, Jan. 13.
 Russell, George F.: See—
 Mann, Julius W., and Russell.
 Russell, Ralston: See—
 Fischer, Eugene H., Harnish, and Russell.
 Sallinger, Hans W. G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Oscilloscope amplifier. 2,434,439, Jan. 13.
 Salvensen, Jorgen R., D. L. Brink, D. G. Diddams, Wausau, and P. Owzarski, assignors to Salvo Chemical Corporation, Rothschild, Wis. Making vanillin. 2,434,626, Jan. 13.
 Salvo Chemical Corporation, assignee: See—
 Salvensen, Jorgen R., Brink, Diddams, and Owzarski.
 Savage, Joseph, Cleveland, Ohio. Plug and socket clamp. 2,434,521, Jan. 13.
 Savolainen, Unto U.: See—
 Chace, Paul G., and Savolainen.
 Schaefer, Cyril L., Chicago, and N. H. Swanson, Zion, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Coll-winding apparatus. 2,434,591, Jan. 13.
 Schafranek, Juthus, Newark, N. J. Flashlight holder. 2,434,440, Jan. 13.
 Scharmann, Walter G.: See—
 Barr, Frank T., and Scharmann.
 Schickler, Albert C., assignor to The Ajax Thermostatic Controls Co., Cleveland, Ohio. Pilot burner guard. 2,434,627, Jan. 13.
 Schlage, Anna, executrix: See—
 Schlage, Walter B.
 Schlage Lock Company, assignee: See—
 Schlage, Walter B.
 Schlage, Walter B., deceased, Burlingame; A. Schlage, executrix, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,434,288, Jan. 13.
 Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of hydrocarbons. 2,434,289, Jan. 13.
 Schmidli, Esber A., New York, N. Y. Cement type shoe with cushioning means. 2,434,370, Jan. 13.
 Schneider, Frank H., assignor to Florence Stove Company, Gardner, Mass. Self-raising lid for use with cooking ovens. 2,434,592, Jan. 13.
 Schreiber, John H., St. Louis, Mo. Well drilling equipment. 2,434,333, Jan. 13.
 Schultz, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,434,594, Jan. 13.
 Schulz, Edward L., Lakewood, Ohio, and E. A. Bailey, Marietta, assignors to Carrier Corporation, Syracuse, N. Y. Refrigeration system including a load control apparatus. 2,434,593, Jan. 13.
 Schumacker, Willard: See—
 Kleiner, George J., and Schumacker.
 Schutte, Harry S., Carnegie, Pa., assignor to Carnegie-Illinois Steel Corporation. Electrolytic tin plate. 2,434,290, Jan. 13.
 Schweda, Albert M.: See—
 Merz, Benjamin W., and Schweda.
 Seeger Refrigerator Company, assignee: See—
 Wade, Charles R.
 Seybold, René, Strasbourg-Meinau, France. Device for retarding and for regulating the speed of the flow in accordions and similar musical reed instruments. 2,434,441, Jan. 13.
 Seyfried, Wilson D., Wooster, Tex., assignor to Standard Oil Development Company. Production of diolefins. 2,434,522, Jan. 13.
 Sharples Chemicals Inc., assignee: See—
 Olin, John F., and Eaton.
 Sheets, Carl L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Switch for conveyor tracks. 2,434,523, Jan. 13.
 Shell Development Company, assignee: See—
 Cheny, Harry A., Dagley, and McAllister.
 Fleer, Alfred W.
 Morris, Rupert C., and Evans.
 Ross, William E.
 Winkler, De Loss E., Raab, and Ballard.
 Sheppard, Charles B., Cheltenham, Pa., assignor to Hazeltine Research, Inc., Chicago, Ill. High-frequency pulse measuring system. 2,434,334, Jan. 13.
 Sigmond, David, Brooklyn, assignor of one-half to D. B. C. Sales Corporation, New York, N. Y. Dress bottom cutter. 2,434,371, Jan. 13.
 Signalness, Alfred M., North Bend, Oreg. Decoy. 2,434,335, Jan. 13.
 Simmons, Edward E., Jr., Pasadena, Calif. Making strain gages. 2,434,628, Jan. 13.
 Sinclair Refining Company, assignee: See—
 Mostek, Jerome L.
 Singer Manufacturing Company, The, assignee: See—
 Knaus, Nicholas, and Anton.
 Smith, Howard E., Kew Gardens, Long Island, assignor to Insl-X Corporation, Brooklyn, N. Y. Marine antifouling steel base. 2,434,291, Jan. 13.
 Snook, Harry N., Maywood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuity and short-circuit test set. 2,434,336, Jan. 13.
 Société à Responsabilité Limitée Etablissements Bertrand Faure, assignee: See—
 Aubry, Andre.
 Societe Generale de Machines et Brevets, assignee: See—
 Toulon, Pierre M. G.
 Societe Generale des Carburateurs Zenith, assignee: See—
 Lichtenstein, Johann, and Glatucci.
 Societe la Bellephotographie Société pour l'Exploitation des Procédes de Photographie en Relief, Maurice Bonnet, assignee: See—
 Bonnet, Maurice.
 Socony-Vacuum Oil Company, assignee: See—
 Meadow, Jacob R., and Stover.
 Söderström, Folke B., Linköping, Sweden, assignor to Vibro-Plus Corporation, New York, N. Y. Electromagnetic vibration motor. 2,434,337, Jan. 13.
 Solomon, Ernest, Nutley, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J. Paraffin hydrocarbon isomerization. 2,434,338, Jan. 13.
 Sonneborn, L., Sons, Inc., assignee: See—
 Breth, Ferdinand W., and Kinsel.
 Sonnemann, William K., Roselle Park, and M. A. Bostwick, Budd Lake, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetizing-inrush tripping suppressor. 2,434,595, Jan. 13.

Spencer, Virgil, East Petersburg, assignor to Armstrong Cork Company, Lancaster, Pa. Apparatus for making variegated hard surface covering. 2,434,292, Jan. 13.

Sperry Gyroscope Company, Inc., assignee: See—
Gintson, Edward L.
Stearns, Horace M.

Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Air eliminator. 2,434,596, Jan. 13.

Standard Oil Development Company, assignee: See—
Arundale, Erving.
Barr, Frank T., and Scharmann.
Beerbower, Alan, and Morway.
Duncan, Gordon W.
Elmore, Norman M., and Evans.
Jahnig, Charles E., and Tyson.
Miller, Pharis.
Pfennig, Reuben F., and Gertz.
Seyfried, William D.
Thompson, William I.
Wadley, Edward F.
Wilson, James A., and Heigel.
Wrightman, Gilbert G.

Stanfield, Wayne E., Oakland, Calif. Combined electrical indicator and note receptacle for doors. 2,434,442, Jan. 13.

Starr, Ralph W., Napa, Calif. Full automatic landing legs for semi-trailers. 2,434,443, Jan. 13.

Stearns, Horace M., Merrick, N. Y., assignor to Sperry Gyroscope Company, Inc. Frequency control of an oscillator of the velocity modulation type. 2,434,293, Jan. 13.

Steed, Paul B., Detroit, Mich., and C. C. Levy, deceased, Wilkinsburg, Pa., by H. A. Levy, executrix, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc furnace electrode feed regulator system. 2,434,597, Jan. 13.

Stegall, Frank D., Tusculum, Ala. Hood holder. 2,434,598, Jan. 13.

Stein, Michael R.: See—
Kohn, Joseph, and Stein.

Steinschlaeger, Michael, London, England. Production of industrial or power gases. 2,434,444, Jan. 13.

Stewart, Alexander P., Detroit, Mich. Die spotting device. 2,434,372, Jan. 13.

Stiles, Le Conle, Seattle, Wash. Production of coffee cakes. 2,434,339, Jan. 13.

Stimpson, Edwin G.: See—
Welsberg, Samuel M., and Stimpson.

Stock, Herman E., New Haven, Conn. Billfold having external access means. 2,434,473, Jan. 13.

Stoltz, Glenn E., Pittsburgh 18, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil-bath tin-plate flowing apparatus and the like. 2,434,599, Jan. 13.

Stormberg, Bernard, Kimball, Nebr. Vertically adjustable grain loading screw. 2,434,445, Jan. 13.

Stover, William A.: See—
Meadow, Jacob R., and Stover.

Strutt, Maximilian J. O., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Circuit arrangement for ultra short waves. 2,434,474, Jan. 13.

Strutt, Maximilian, J. O. and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifying circuit arrangement for ultra high frequencies. 2,434,295, Jan. 13.

Sullivan, Harry G., De Land, Fla., assignor to Merchandising Engineers, Inc., Detroit, Mich. Electrical connector. 2,434,475, Jan. 13.

Sun Chemical Corporation, assignee: See—
Wekeman, Stephen N.

Svensson, Rolf A., and H. O. Karlström, Stockholm, Sweden. Selecting finger for crossbar switches. 2,434,373, Jan. 13.

Swanson, Alfred J., Los Angeles, Calif. Door checking hinge. 2,434,524, Jan. 13.

Swanson, Carl T., Quonset Point, R. I. Combination high- and low-pressure hydraulic pump. 2,434,296, Jan. 13.

Swanson, Nils H.: See—
Schaefer, Cyril L., and Swanson.

Swenson, Helge N., Union, N. J. Universal grinding fixture. 2,434,600, Jan. 13.

Taber, Herman: See—
Anderson, Thomas F., and Taber.

Taylor, Asa J., Zion, assignor to Trifam Manufacturing Company, Maywood, Ill. Fluid joint. 2,434,629, Jan. 13.

Taylor, Owen L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic device. 2,434,601, Jan. 13.

Techniques, Inc., assignee: See—
Van Rosen, Robert.

Test, Meyer J., Kansas City, Mo., and S. Krasnow, New York, N. Y. Radiation intensity meter. 2,434,297, Jan. 13.

Textile Foundation, assignee: See—
Harris, Milton.

Thomas, Robert M., C. W. Ostrander, and W. H. Kaelin, Baltimore, Md., assignors, by mesne assignments, to Rheem Manufacturing Company, San Francisco, Calif. Coating on metals. 2,434,525, Jan. 13.

Thompson, William I., Westfield, N. J., assignor to Standard Oil Development Company. Regeneration of solid materials. 2,434,602, Jan. 13.

Thornton, Ulysses, Chicago, Ill. Body attached umbrella. 2,434,526, Jan. 13.

Tingquist, Stanley C.: See—
Fox, Edward A., Jr., and Tingquist.

Toulon, Pierre M. G., Paris, France, assignor to Societe Generale de Machines et Brevets, Geneva, Switzerland. Process and apparatus for producing extremely short waves. 2,434,446, Jan. 13.

Trausneck, Herbert R.: See—
Wallen, George R., and Trausneck.

Trifam Manufacturing Company, assignee: See—
Taylor, Asa J.

Truax, Robert C., U. S. Navy. Jet reaction motor. 2,434,298, Jan. 13.

Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Unitary refrigerated carbonated beverage dispensing apparatus. 2,434,374, Jan. 13.

Tyson, Charles W.: See—
Jahnig, Charles E., and Tyson.

Union Special Machine Company, assignee: See—
Christensen, Norman V.
Le Vesconte, Harold J.
Merz, Benjamin W., and Schweda.

United Aircraft Corporation, assignee: See—
Kalitinsky, Andrew.
Ledwith, Walter A.
Meltzer, Donald E.

United Merchants & Manufacturers, Inc., assignee: See—
Mantell, Charles L.

United Shoe Machinery Corporation, assignee: See—
Maclejowski, John J.

United States Instrument Corporation, assignee: See—
Warnke, Herbert R.

United States Leather Company, assignee: See—
Boylan, Gove S.
Moffatt, Frank R., and Goehring.

Universal Dental Company, assignee: See—
Kohn, Joseph, and Stein.

Universal Gear Corporation, assignee: See—
Dahlstrand, Josef Y.

Universal Oil Products Company, assignee: See—
Ipatieff, Vladimir N., and Linn.
Read, Davis, Jr.
Schmerling, Louis.

Untiedt, Frederick H., Chevy Chase, Md. Manufacture of decorative fabric articles having a design in relief. 2,434,527, Jan. 13.

Van der Ziel, Albert: See—
Strutt, Maximilian J. O., and van der Ziel.

Van Horn, Perry E., Grand Rapids, Mich. Gate. 2,434,447, Jan. 13.

Van Loon, Carel J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver with band-spread control for a number of comparatively narrow frequency bands. 2,434,299, Jan. 13.

Van Rosen, Robert, New York, N. Y., assignor to Techniques, Inc. Handle for cardboard and fibre boxes and the like. 2,434,630, Jan. 13.

Van Saun, Raymond H., Berkeley, Calif., assignor to Container Corporation of America, Chicago, Ill. Apparatus for forming container heads. 2,434,375, Jan. 13.

Vedder, Edwin H., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control circuit. 2,434,603, Jan. 13.

Vibro-Plus Corporation, assignee: See—
Söderström, Folke B.

Vittum, Paul W.: See—
Jelley, Edwin E., and Vittum.

Vulcan Detinning Company, assignee: See—
Muskat, Irving E.

Wade, Charles R., Evansville, Ind., assignor to Seeger Refrigerator Company. Detection of small leaks in receptacles. 2,434,448, Jan. 13.

Wadley, Edward F., Baytown, Tex., assignor to Standard Oil Development Company. Removing ash-forming constituents and sediment from alkaline petroleum residuum. 2,434,528, Jan. 13.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Combined dryer and automatic washer. 2,434,476, Jan. 13.

Wallen, George R., and H. R. Trausneck, assignors to Anemostat Corporation of America, New York, N. Y. Nozzle for directing heated air to windshields. 2,434,340, Jan. 13.

War, United States of America, as represented by the Secretary of, assignee: See—
Howatt, Glenn N.

Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Telephone headbands. 2,434,251, Jan. 13.

Wasinger, Leonard J., Wakeeney, Kans. Combined buck-rake and stacker. 2,434,376, Jan. 13.

Watson, Edgar, Towson, assignor to The Nelson Company, Baltimore, Md. Container. 2,434,377, Jan. 13.

Weatherford, J. H., assignee: See—
Breedlove, Harry B.

Welsberg, Samuel M., and E. G. Stimpson, Baltimore, Md., assignor, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Esterification of alkali metal and alkaline earth metal lactates under controlled pH conditions to form alkyl lactates. 2,434,300, Jan. 13.

Wekeman, Stephen N., Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation. Photographic reversing unit and system for producing reversed images. 2,434,378, Jan. 13.

Wells, Harold D., Glens Falls, N. Y. Continuous pulper and selector. 2,434,449, Jan. 13.

Werner, Leo C., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Filament tensioning means in electron discharge device. 2,434,529, Jan. 13.

Wertz, Louis S., Cleveland, Ohio. Increasing the strength of porous structures. 2,434,301, Jan. 13.

Wertz, Louis S., Cleveland Heights, Ohio. Solidifying porous structures. 2,434,302, Jan. 13.

West, Charles P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchgear apparatus. 2,434,604, Jan. 13.

Western Electric Company, Incorporated, assignee: See—
Schaefer, Cyril L., and Swanson.
Schultz, Frank A.
Snook, Harry N.

Westfield Manufacturing Company, The, assignee: See—
Maschin, Harold F.

Westinghouse Electric Corporation, assignee: See—
Allen, Howard E.
Baston, Cyril E.
Bererich, Leo J.
Boykin, John R.
Browne, Thomas E., Jr.
Chapman, Stuart H.
Cumming, James M.
Edwards, Hilbert E.
Fields, Charles V.
Fischer, Eugene H., Harnish, and Russell.
Fox, Edward A., Jr., and Tingquist.
Gerner, Anson J.
Gunter, Frank B.
Hill, Lawrence R., and Keyes.
Kovalsky, Joseph F.
Maraden, Douglas J.
McShane, Phelan, and Renshaw.
Okress, Ernest C.
Poehler, Horst A., and Keene.
Renshaw, David E., and Krapf.
Sonnemann, William K., and Bostwick.
Steed, Paul B., and Levy.
Stoltz, Glenn E.
Taylor, Owen L.
Tull, Robert H.
Vedder, Edwin H.
Werner, Leo C.
West, Charles P.

Weyl, Woldemar A., State College, Pa., assignor to American Optical Company, Southbridge, Mass. Forming glass. 2,434,303, Jan. 13.

Wheelco Instrument Company, assignee: See—
Cohen, Theodore A.

Whitfield, Matthew, Erlanger, Ky. Combined shade and curtain bracket and Venetian blind holder. 2,434,252, Jan. 13.

Wiesner, Frank W., and A. Coulter, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Apparatus and method of stretch pressing metal sheets. 2,434,379, Jan. 13.

Willard, Gerald W.: See—
Bond, Walter L., and Willard.

Williams, Leo C., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet feeding apparatus. 2,434,530, Jan. 13.

Williams, Royal M., Fort Worth, Tex. Holster. 2,434,380, Jan. 13.

Williford, Edward A., White Plains, N. Y., assignor to National Carbon Company, Inc. Accelerated light fastness testing apparatus. 2,434,450, Jan. 13.

Wilson, Howard, Chevy Chase, Md. Adjustable spring shackle. 2,434,304, Jan. 13.

Wilson, James A., Linden, and John J. Heigl, Cranford, N. J., assignors to Standard Oil Development Company. High-speed recording system. 2,434,531, Jan. 13.

Wingfoot Corporation, assignee: See—
McMahan, William W.

Winkler, De Loss E., Berkeley, and W. J. Raab and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Hydrolysis of acetone auto-condensation products. 2,434,631, Jan. 13.

Winter, Hugo A. M., assignor to Messrs. Hornflowa Limited, Maryport, England. Manufacture of molded articles having differently shaded zones therein from molding powders. 2,434,477, Jan. 13.

Wise, Edmund M., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Electric contact. 2,434,305, Jan. 13.

Wood, Kenneth R., U. S. Army, Fort Dix, N. J. Statistical slide rule. 2,434,306, Jan. 13.

Wrightman, Gilbert G., Houston, Tex., assignor to Standard Oil Development Company. Consolidating formations. 2,434,605, Jan. 13.

Wurzburger, Hugo, New York, N. Y., assignor to P. D. Wurzburger, Cleveland Heights, Ohio. Imitation fabric. 2,434,532, Jan. 13.

Wurzburger, Hugo, New York, N. Y., assignor to P. D. Wurzburger, Cleveland Heights, Ohio. Imitation filaments, ropes, yarns, and the like. 2,434,533, Jan. 13.

Wurzburger, Paul D., assignee: See—
Wurzburger, Hugo.

Young, Richard W., assignor to Morgan Construction Company, Worcester, Mass. Cooling bed. 2,434,632, Jan. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Emulsions, Resolving oil-in-water. L. T. Monson, W. W. Anderson, and F. W. Jenkins. Re. 22,963, Jan. 13.

LIST OF PLANT INVENTIONS

Raspberry plant. L. M. Toms. 779, Jan. 13.

LIST OF DESIGN INVENTIONS

Atomizer. A. Schmutz. 148,394, Jan. 13.
Automobile body. J. W. J. Ackermans. 148,346, Jan. 13.
Bathub. P. Schladermundt and W. B. Green. 148,393, Jan. 13.
Book end. A. Leva. 148,371-2, Jan. 13.
Bracelet. C. D. Hamilton. 148,351, Jan. 13.
Brooch or similar article. A. Katz. 148,362-4, Jan. 13.
Brooch or similar article. A. Philippe. 148,387-8, Jan. 13.
Brooch or similar article. A. Philippe. 148,390, Jan. 13.
Cabinet or the like, Dispenser. A. C. Swygard. 148,398, Jan. 13.
Case, Bottle vending machine. E. F. Thomson. 148,399, Jan. 13.
Casing, Coffee-making apparatus. M. Blickman. 148,347, Jan. 13.
Chair, Baby. H. V. Noel. 148,380, Jan. 13.
Chair, Lawn. N. and F. Plourde. 148,391, Jan. 13.
Clip or similar article, Pin. A. Philippe. 148,389, Jan. 13.
Comb and receptacle, Combined. J. Oriolo and M. Shull. 148,382, Jan. 13.
Cover or similar article, Automobile seat. I. Herman. 148,352-3, Jan. 13.
Earring. A. Katz. 148,360, Jan. 13.
Earring or similar article. A. Katz. 148,361, Jan. 13.
Earring or similar article. A. Philippe. 148,386, Jan. 13.
Engine, Portable internal-combustion. W. J. Oehrlein, L. J. Lechtenberg, and C. B. Stevens. 148,381, Jan. 13.
Figure, Mechanical toy bird. H. Herzog. 148,354, Jan. 13.
Fixture, Lighting. E. C. Koegel. 148,369, Jan. 13.
Freezer, Ice-cream. E. J. Spence. 148,395, Jan. 13.

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Holder, Candlestick. R. Minervini. 148,378, Jan. 13.
Holder for picture and perfume containers, Combined. J. Joelson. 148,359, Jan. 13.
House, E. O. Klemm. 148,365-8, Jan. 13.
Housing, Electrical connecting plug. A. R. Nagy. 148,379, Jan. 13.
Housing for an internal-combustion engine, Blower. C. B. Stevens, W. J. Oehrlein, and L. J. Lechtenberg. 148,396, Jan. 13.
Kitchen unit, Combination. J. M. Little. 148,373, Jan. 13.
Lamp or similar article. W. F. Masterson. 148,375, Jan. 13.
Lamp or similar article. H. N. Math. 148,376, Jan. 13.
Pin, Chatelaine. S. Packales. 148,384, Jan. 13.
Plate for motorcycles, Name. C. B. Stevens. 148,397, Jan. 13.
Punch and opener, Can. J. Westerland. 148,400, Jan. 13.
Rack, Egg. J. J. Meehan. 148,377, Jan. 13.
Receptacle, Range. G. W. Florian. 148,349, Jan. 13.
Reel, Fishing. G. F. Laing and A. C. Haggstrom. 148,370, Jan. 13.
Ring, Finger. J. L. Sabol. 148,392, Jan. 13.
Roller, Road. K. M. Grier. 148,350, Jan. 13.
Stand, Ladder. E. F. Paulus. 148,385, Jan. 13.
Tablecloth, Lace. H. Hooven. 148,355-7, Jan. 13.
Tablecloth, Lace. F. P. Otto. 148,383, Jan. 13.
Tablecloth, Lace. W. Wolf. 148,401, Jan. 13.
Tablecloth or the like. W. P. Hudson. 148,358, Jan. 13.
Teakettle. H. E. Brannon. 148,348, Jan. 13.
Tray, Cosmetic. E. M. Malco. 148,374, Jan. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and manufacture. W. A. Felker. 2,434,314, Jan. 13.
Abrasive sheet holder. O. Ottoson. 2,434,581, Jan. 13.
Accounting machine. W. Leathers and J. Haddad. 2,434,500, Jan. 13.
Accumulator injection apparatus. D. E. Meltzer. 2,434,329, Jan. 13.
Adding and comparing machine, Record controlled. A. H. Dickinson. 2,434,487, Jan. 13.
Adhesive label dispenser. W. H. Brady, Jr., and F. W. Brady. 2,434,545, Jan. 13.
Adjustable actuating garment pressing machines. H. G. Beebe. 2,434,482, Jan. 13.
Adsorbents, Regenerating. C. D. Laughlin and H. M. Gwyn, Jr. 2,434,419, Jan. 13.
Agitator, Mechanical. A. H. Downs. 2,434,312, Jan. 13.
Aircraft pickup and arresting device. R. L. Kerr. 2,434,618, Jan. 13.
Airplane, Cargo. C. R. Lemonier and S. T. Payne. 2,434,464, Jan. 13.
Air pressure make-up and auxiliary supply means, Free piston engine. W. A. Morain. 2,434,280, Jan. 13.
Air wind conditions by radio direction finding, Determining upper. H. Diamond, F. W. Dunmore, and W. S. Hinman, Jr. 2,434,263, Jan. 13.
Alcohols, Production of unsaturated. H. A. Cheney, R. Dagley, Jr., and S. H. McAllister. 2,434,394, Jan. 13.
Aldehydes and lactones, Synthesis of. R. Kapp, F. D. Pickel, and L. T. Rosenberg. 2,434,246, Jan. 13.
Alkali metal and alkaline earth metal lactates under controlled pH conditions to form alkyl lactates, Esterification of. S. M. Weisberg and E. G. Stimpson. 2,434,300, Jan. 13.
Alkali metal ascorbates, Preparation of. S. L. Ruskin. 2,434,625, Jan. 13.
Alkylation and desulfurization, Simultaneous. J. R. Meadow and W. A. Stover. 2,434,623, Jan. 13.
Aminodiphenyl sulfides. E. W. Cook and P. H. Moss. 2,434,396, Jan. 13.
Amplifying circuit arrangement for ultra high frequencies. M. J. O. Strutt and A. van der Ziel. 2,434,295, Jan. 13.
Animal fibers and product thereof, Treating. M. Harris. 2,434,562, Jan. 13.
Antenna, Directive centimetric. A. C. Beck. 2,434,253, Jan. 13.
Apparatus for forming container heads. R. H. Van Saun. 2,434,375, Jan. 13.
Apparatus for making variegated hard surface covering. V. Spencer. 2,434,292, Jan. 13.
Apparatus for molding wax objects. E. A. Fox, Jr., and S. C. Tingquist. 2,434,557, Jan. 13.
Apparatus for obtaining photographs giving an impression of relief. M. Bonnet. 2,434,385, Jan. 13.
Apparatus for the gauging of liquids. J. Muller. 2,434,425, Jan. 13.
Apron or protector, Shoe. B. F. Miller and E. F. Probst. 2,434,331, Jan. 13.
Arc furnace electrode feed regulator system. P. B. Steed and C. C. Levy. 2,434,597, Jan. 13.
Article carrier. E. R. Brandt. 2,434,387, Jan. 13.
Articles having differently shaded zones therein from molding powders, Manufacture of molded. H. A. M. Winter. 2,434,477, Jan. 13.
Artificial teeth, Forming. J. Kohn and M. R. Stein. 2,434,416, Jan. 13.
Ash-forming constituents and sediment from alkaline petroleum residuum, Removing. E. F. Wadley. 2,434,528, Jan. 13.
Ash tray and stand for beds, Adjustable. J. Hess. 2,434,360, Jan. 13.
Audible time signal. M. H. Rhodes. 2,434,470, Jan. 13.
Auto-battery terminal connection. R. E. Daellenbach. 2,434,398, Jan. 13.
Automatic landing legs for semi-trailers, Full. R. W. Starr. 2,434,443, Jan. 13.
Automatic loop replenisher. H. N. Fairbanks. 2,434,355, Jan. 13.
Automobile top, Convertible. J. A. Olivier and W. E. George. 2,434,332, Jan. 13.
Azeotropic distillation of toluene with propionic acid. J. W. Latchum, Jr., and J. S. Connors. 2,434,322, Jan. 13.
Bed, Cooling. R. W. Young. 2,434,632, Jan. 13.
Bell mount for timepieces. F. Fengler. 2,434,460, Jan. 13.
Beveller, Lacing. W. E. Ahlgren. 2,434,307, Jan. 13.
Beverage dispensing apparatus, Unitary refrigerated carbonated. R. H. Tull. 2,434,374, Jan. 13.
Bicycle stand. H. F. Maschin. 2,434,423, Jan. 13.
Billfold having external access means. H. E. Stock. 2,434,473, Jan. 13.
Block: See—
Coin display block.
Board: See—
Composite board. Spotting board.
Cribbage board.
Bomb, Aerial. L. Barber. 2,434,452, Jan. 13.
Book and the production thereof. K. P. Martin and W. P. Rowland. 2,434,502, Jan. 13.
Bottle, Air-vented nursing. D. E. Hamiel. 2,434,612, Jan. 13.
Bottle, Nursing. D. E. Hamiel. 2,434,611, Jan. 13.
Brake drum trueing machine. G. E. Klassett. 2,434,498, Jan. 13.
Brake lever. E. S. Camrud. 2,434,548, Jan. 13.
Brake mechanism. C. E. Anderson. 2,434,480, Jan. 13.
Buckrake and stacker, Combined. L. J. Wasinger. 2,434,376, Jan. 13.
Buffing and polishing machine. C. E. Palmer. 2,434,513, Jan. 13.
Burner and fuel control therefor, Generator. J. L. Breese. 2,434,346, Jan. 13.
Cakes, Wrapping round. W. Hoppe. 2,434,617, Jan. 13.
Capacitor and dielectric therefor. L. J. Berberich. 2,434,540, Jan. 13.
Carrier: See—
Article carrier.
Cathode-ray oscilloscope circuit with timing marks. J. O. Edson. 2,434,264, Jan. 13.
Cathodes, Activating. H. A. Poehler and L. R. Keene. 2,434,517, Jan. 13.
Centrifugal means for admitting air to submarines. C. E. Beeman. 2,434,453, Jan. 13.
Ceramic bodies using thermoplastic binder, Injection molding. G. N. Howatt. 2,434,271, Jan. 13.
Circuit: See—
Control circuit. Electronic control circuit.
Circuit arrangement for ultra short waves. M. J. O. Strutt. 2,434,474, Jan. 13.
Circuit arrangement utilizing a plurality of electron discharge devices. E. T. Burton. 2,434,259, Jan. 13.
Circuit breaker, Fluid pressure operated. J. M. Cumming. 2,434,549, Jan. 13.
Circuit interrupter. D. J. Marsden. 2,434,422, Jan. 13.
Circuits, Electrical gauge. T. E. Browne, Jr. 2,434,547, Jan. 13.
Clamp: See—
Plug and socket clamp. Shoemaker's clamp.
Saw clamp.
Clothes-washing machine. J. H. Leaf. 2,434,570, Jan. 13.
Clutch and detent mechanism on indicator drive, Friction. T. C. Rieve. 2,434,369, Jan. 13.
Coffee cakes, Production of. Le C. Stiles. 2,434,339, Jan. 13.
Coil-winding apparatus. C. L. Schaefer and N. H. Swanson. 2,434,591, Jan. 13.
Coin display block. B. De W. Ensley. 2,434,553, Jan. 13.
Color facsimile. A. C. Hardy and E. C. Dench. 2,434,561, Jan. 13.
Color photography with azo-substituted couplers. E. E. Jelley and P. W. Vittum. 2,434,272, Jan. 13.
Colostomy irrigator. J. W. McArdie. 2,434,327, Jan. 13.
Combination high and low pressure hydraulic pump. C. T. Swanson. 2,434,296, Jan. 13.
Compass, Earth inductor. H. Lehde. 2,434,324, Jan. 13.
Composite board. H. M. Marc. 2,434,466, Jan. 13.
Compounds containing carbonyl groups, Manufacture of. H. Dreyfus. 2,434,313, Jan. 13.
Computer, Artillery. E. Lakatos. 2,434,274, Jan. 13.
Concentrating dilute aqueous solutions of metal ammonium complex compounds. W. W. Fleer. 2,434,402, Jan. 13.
Condition responsive circuit for rotatable members. A. C. Ruge. 2,434,438, Jan. 13.
Conduit with a spiral fin having a capillary groove, Heat exchange. W. Raskin. 2,434,519, Jan. 13.
Connector: See—
Electrical connector.
Connector: See—
Electrical connector.
Connector and carrier, Clamping. L. Frank. 2,434,358, Jan. 13.
Container. E. Watson. 2,434,377, Jan. 13.
Container for household use, Cigarette. G. R. Penn. 2,434,514, Jan. 13.
Control circuit. W. A. Ray. 2,434,433, Jan. 13.
Control device. C. E. Baston. 2,434,538, Jan. 13.
Control means for Diesel-electric locomotives. J. E. Justus. 2,434,413, Jan. 13.

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Control system for vehicles, with multiple current source. D. E. Renshaw and H. C. Krapp. 2,434,585, Jan. 13.
Control system, Frequency. E. L. Ginzton. 2,434,294, Jan. 13.
Control unit for welders. E. O. Courtemanche. 2,434,350, Jan. 13.
Conveying chips or other loose material, System for. S. Reibel. 2,434,435, Jan. 13.
Conveying mechanism. G. S. Boylan. 2,434,345, Jan. 13.
Cot, Finger. G. L. Gross. 2,434,317, Jan. 13.
Counterbalancing mechanism for machine tools. L. L. Hercik. 2,434,613, Jan. 13.
Coupling. J. Muller. 2,434,428, Jan. 13.
Coupling device. E. C. Okress and P. Kusch. 2,434,508, Jan. 13.
Coupling for potentiometers. G. J. Mucher. 2,434,248, Jan. 13.
Cover and plug interlocking switch, Socket. P. McShane and D. E. Renshaw. 2,434,576, Jan. 13.
Crankcase compression supercharger for engines. G. H. Brown. 2,434,348, Jan. 13.
Crib spring. H. J. Landry and R. C. Bockus. 2,434,620, Jan. 13.
Cribbage board. R. C. Holton. 2,434,495, Jan. 13.
Cutter: See—
Dress bottom cutter.
Cyclopentadiene, Producing. F. E. Frey. 2,434,403, Jan. 13.
Cylinder, Silding compressor. W. A. Ledwith. 2,434,323, Jan. 13.
Decoy. A. M. Signalness. 2,434,335, Jan. 13.
Dental articulator and producing same. C. S. Kille. 2,434,415, Jan. 13.
Depilatory device. G. D. Hofe. 2,434,407, Jan. 13.
Detection of small leaks in receptacles. C. R. Wade. 2,434,448, Jan. 13.
Device for attaching antiskid chain to vehicle wheels. B. D. Landes. 2,434,362, Jan. 13.
Device for cleaning filters. J. Muller. 2,434,427, Jan. 13.
Device for retarding and for regulating the speed of the flow in accordions and similar musical reed instruments. R. Seybold. 2,434,441, Jan. 13.
Device for the fixing of dental apparatus in the cavity of the mouth in a definite position relative to the teeth. K. A. S. Karlström. 2,434,320, Jan. 13.
Device for treating wire. L. R. Hill and J. J. Keyes. 2,434,565, Jan. 13.
Die spotting device. A. P. Stewart. 2,434,372, Jan. 13.
Dielectric seaming apparatus, High-frequency. B. W. Merz and A. M. Schweda. 2,434,330, Jan. 13.
Diolefins, Production of. W. D. Seyfried. 2,434,522, Jan. 13.
Disappearing automobile window screen. A. Garcia. 2,434,559, Jan. 13.
Dispenser: See—
Adhesive label dispenser. Sheet paper dispenser.
Dispensing device for slender articles. N. Burch. 2,434,257, Jan. 13.
Display stand in the form of a globe, Advertising. C. Rebus. 2,434,250, Jan. 13.
Distillation with inverse solvents, Plural stage extractive. R. C. Morris and T. W. Evans. 2,434,424, Jan. 13.
Door lock. W. R. Schlage. 2,434,288, Jan. 13.
Dress bottom cutter. D. Sigmund. 2,434,371, Jan. 13.
Dressing device for grinding wheels. W. W. Hopkins. 2,434,615, Jan. 13.
Drilling equipment, Well. J. H. Schreiber. 2,434,333, Jan. 13.
Driver for studs and the like. E. R. Emmons. 2,434,354, Jan. 13.
Dryer and automatic washer, Combined. N. B. Wales. 2,434,476, Jan. 13.
Ducts, Manufacture of. H. M. Marc. 2,434,465, Jan. 13.
Efficiency meter. J. R. Boykin. 2,434,544, Jan. 13.
Elastic nylon articles, Production of. J. R. Lewis, D. McCreath, and R. J. W. Reynolds. 2,434,247, Jan. 13.
Electric air position indicator. W. H. T. Holden. 2,434,270, Jan. 13.
Electric coil. A. O. Ericksberg and J. T. Osterman. 2,434,492, Jan. 13.
Electric coils, Making. J. T. Osterman and A. O. Ericksberg. 2,434,511, Jan. 13.
Electric contact. E. M. Wise. 2,434,305, Jan. 13.
Electric time switch. M. H. Rhodes. 2,434,471, Jan. 13.
Electrical apparatus for uniting dielectric material, Intermittent feed high-frequency. H. J. Le Vesconte. 2,434,325, Jan. 13.
Electrical connector. H. G. Sullivan. 2,434,475, Jan. 13.
Electrical insulator. E. H. Fischer, J. D. Harnish, and R. Russell, Jr. 2,434,555, Jan. 13.
Electrical switch. O. Froland. 2,434,315, Jan. 13.
Electrode and holder, Resistance welding. R. C. Barkelew. 2,434,343, Jan. 13.
Electromagnetic device. O. L. Taylor. 2,434,601, Jan. 13.
Electromagnetic pulsator valve. H. B. Reynolds. 2,434,586, Jan. 13.
Electromagnetic vibration motor. F. B. Söderström. 2,434,337, Jan. 13.
Electronic control circuit. E. H. Vedder. 2,434,603, Jan. 13.
Element for closure frames, Trim. O. B. Merrill. 2,434,504, Jan. 13.
Eliminator, Air. B. Splith. 2,434,596, Jan. 13.
Emulsion polymerization process. E. Arundale. 2,434,536, Jan. 13.
Emulsions, Bituminous. S. M. Hjelte. 2,434,243, Jan. 13.
Erecting device for gyroscopes. R. J. Dolude. 2,434,488, Jan. 13.
Expansible and contractible means for compressing and shaping a yielding plant mass. E. H. Carruthers. 2,434,607, Jan. 13.
Eye and swivel base, Combination swivel. L. Haubert. 2,434,318, Jan. 13.
Fabric: See—
Imitation fabric.
Fabric articles having a design in relief, Manufacture of decorative. F. H. Untiedt. 2,434,527, Jan. 13.
Feed projector mechanism, Intermittent strip. J. A. Giroux. 2,434,359, Jan. 13.
Filament tension means in electron discharge device. L. C. Werner. 2,434,529, Jan. 13.
Filaments, ropes, yarns and the like, Imitation. H. Wurzbürger. 2,434,533, Jan. 13.
Firearm magazine. E. M. Harvey. 2,434,269, Jan. 13.
Firing metallurgical furnaces. H. G. Elder and J. F. Mowat. 2,434,491, Jan. 13.
Fixture, Paper roll holding. B. Pederson. 2,434,368, Jan. 13.
Fixture, Universal grinding. H. N. Swenson. 2,434,600, Jan. 13.
Flashlight holder. J. Schafranek. 2,434,440, Jan. 13.
Fluid joint. A. J. Taylor. 2,434,629, Jan. 13.
Fly catcher. H. M. Linding. 2,434,364, Jan. 13.
Foods, Canning. J. R. Brehm. 2,434,388, Jan. 13.
Formations, Consolidating. G. G. Wrightsman. 2,434,605, Jan. 13.
Forming a point at the end of a wire. W. G. Pfann. 2,434,286, Jan. 13.
Frequency control of an oscillator of the velocity modulation type. H. M. Stearns. 2,434,293, Jan. 13.
Fuel, Antiknock motor. P. Miller. 2,434,578, Jan. 13.
Fuels and their manufacture, High-compression motor. P. Miller. 2,434,577, Jan. 13.
Furnace hot-water heater. F. J. Gorman. 2,434,267, Jan. 13.
Fuse, Magnetic. P. J. Ellomarkakis. 2,434,551, Jan. 13.
Gage: See—
Internal thread gage.
Gages, Making strain. E. E. Simmons, Jr. 2,434,628, Jan. 13.
Garment protector. B. Forchheimer. 2,434,461, Jan. 13.
Gases, Production of industrial or power. M. Stein-schlaeger. 2,434,444, Jan. 13.
Gate. P. E. Van Horn. 2,434,447, Jan. 13.
Gauge: See—
Internal thread gage.
Gauge for crosscut saws, Length. W. B. Roddenbery, Jr. 2,434,472, Jan. 13.
Glass and making same. H. R. Moulton. 2,434,281, Jan. 13.
Glass, Forming. W. A. Weyl. 2,434,303, Jan. 13.
Grain loading screw, Vertically adjustable. B. Stromberg. 2,434,445, Jan. 13.
Grid structure in electron discharge devices. A. J. Gerner. 2,434,494, Jan. 13.
Grinder, Valve seat. J. S. Klein, Jr. 2,434,463, Jan. 13.
Grinding machine. G. F. Johnson. 2,434,245, Jan. 13.
Guard, Pilot burner. A. C. Schickler. 2,434,627, Jan. 13.
Guide, Surgical pin. D. F. Pincock. 2,434,431, Jan. 13.
Hair, Permanently waving. E. G. McDonough and V. M. McGoldrick. 2,434,279, Jan. 13.
Handle for cardboard and fibre boxes and the like. R. Van Rosen. 2,434,630, Jan. 13.
Hanger: See—
Trouser hanger.
Heater: See—
Furnace hot-water heater.
Heating system. R. B. Marshall. 2,434,574-5, Jan. 13.
Heating system for ovens, Electric. F. H. McCormick. 2,434,467, Jan. 13.
Hinge, Door checking. A. J. Swanson. 2,434,524, Jan. 13.
Holder: See—
Flashlight holder. Hood holder.
Holder for bits, Wedge-grip. C. L. Bowman. 2,434,256, Jan. 13.
Holder for electrolytic baths, Small parts. H. W. Kugler. 2,434,417, Jan. 13.
Holder for piezoelectric crystal units. H. F. Fruth. 2,434,265, Jan. 13.
Holster. R. M. Williams. 2,434,380, Jan. 13.
Hood holder. F. D. Stegall. 2,434,598, Jan. 13.
Hydraulic drive, Variable-speed. H. B. Breedlove. 2,434,546, Jan. 13.
Hydraulic jack. J. J. Mueller. 2,434,282, Jan. 13.
Hydraulic transmission. O. F. Runde. 2,434,590, Jan. 13.
Hydrocarbon conversion. D. Read, Jr. 2,434,434, Jan. 13.
Hydrocarbon isomerization, Paraffin. E. Solomon. 2,434,338, Jan. 13.
Hydrocarbons, Manufacture of. L. Schmerling. 2,434,289, Jan. 13.
Hydrocarbons, Two-stage synthesis of. F. T. Barr and W. G. Scharmann. 2,434,537, Jan. 13.

Hydrocarbons with catalyst particles, Method and apparatus for contacting. C. E. Jahnig and C. W. Tyson. 2,434,567, Jan. 13.
Hydrolysis of acetone auto-condensation products. De L. E. Winkler, W. J. Raab, and S. A. Ballard. 2,434,631, Jan. 13.
Imitation fabric. H. Wurzbürger. 2,434,532, Jan. 13.
Implement, Combination. D. J. Daniel. 2,434,550, Jan. 13.
Implement for driving staples. J. F. Cavanagh. 2,434,260, Jan. 13.
Indicator: See—
Electric air position indicator.
Indicator and note receptacle for doors, Combined electrical. W. E. Stanfield. 2,434,442, Jan. 13.
Induction pressure regulator. J. Lichtenstein and P. X. A. Gistucci. 2,434,420, Jan. 13.
Infeed mechanism, Automatic. W. Mignona. 2,434,366, Jan. 13.
Internal thread gage. J. F. Anders. 2,434,535, Jan. 13.
Iron with folding handle. C. B. Coxhead. 2,434,310, Jan. 13.
Ironing device, Portable. A. L. Briggs. 2,434,483, Jan. 13.
Isobutylene-isoprene copolymers, Production of vulcanizable. R. F. Fennig and M. H. Gertz. 2,434,582, Jan. 13.
Isomerization of paraffin hydrocarbons with fluid Friedel-Crafts catalyst and added dicyclic naphthenic hydrocarbons. W. E. Ross. 2,434,437, Jan. 13.
Jack: See—
Hydraulic jack.
Jack and plug, Multiplex. W. H. Alford. 2,434,534, Jan. 13.
Jet reaction motor. R. C. Truax. 2,434,298, Jan. 13.
Joint: See—
Fluid joint.
Knitting or crocheting device, Hand. A. Coffey. 2,434,609, Jan. 13.
Knob, Fence. A. B. Busseman. 2,434,391, Jan. 13.
Lamp, Incandescent electric. H. E. Allen. 2,434,478, Jan. 13.
Leveler, Rail. D. A. Benner. 2,434,254, Jan. 13.
Lid for use with cooking ovens, Self-raising. F. H. Schneider. 2,434,582, Jan. 13.
Light fastness testing apparatus, Accelerated. E. A. Williford. 2,434,450, Jan. 13.
Light sensitive electric discharge device. E. D. McArthur. 2,434,622, Jan. 13.
Light stable compositions comprising polymeric vinylidene chloride or vinyl chloride and certain 5-substituted 2-hydroxybenzophenones. T. Houtman, Jr. 2,434,496, Jan. 13.
Lighter, Pocket. A. E. Perkins. 2,434,515, Jan. 13.
Lock: See—
Door lock.
Lock for locomotive throttle levers, Safety. H. J. Cantrell. 2,434,455, Jan. 13.
Loom mechanism. H. A. Beckstrom. 2,434,344, Jan. 13.
Lubricants. A. Beerbower and A. J. Morway. 2,434,539, Jan. 13.
Magnesium silicate adsorbents, Preparation of. W. A. La Lande, Jr. 2,434,418, Jan. 13.
Magnetizing-inrush tripping suppressor. W. K. Sonnenmann and M. A. Bostwick. 2,434,595, Jan. 13.
Manually operated sheet metal hanging tool. H. L. Farnstrom. 2,434,401, Jan. 13.
Materials, Manufacture of thermoplastic. J. M. Blier. 2,434,541, Jan. 13.
Materials, Regeneration of solid. W. I. Thompson. 2,434,602, Jan. 13.
Mattress for seats, cushions, or other applications, Resilient. A. Auby. 2,434,382, Jan. 13.
Measuring instrument, Microwave power. G. E. Felker, Jr. 2,434,610, Jan. 13.
Measuring system, High-frequency pulse. C. B. Sheppard. 2,434,334, Jan. 13.
Mechanism for retarding the rate of fire of automatic firearms. J. J. Maciejowski. 2,434,326, Jan. 13.
Metal sheets, Apparatus and method of stretch pressing. F. W. Weisner and A. Coult. 2,434,379, Jan. 13.
Metals Coating on. R. M. Thomas, C. W. Ostrander, and W. H. Kaellin. 2,434,525, Jan. 13.
Meter: See—
Efficiency meter. Radiation intensity meter.
Mirror, Dental. R. A. Dean. 2,434,311, Jan. 13.
Molding apparatus. F. A. Schultz. 2,434,594, Jan. 13.
Mop, Floor. J. E. Hawley. 2,434,563, Jan. 13.
Mop, Self-wringing. V. K. Cooper. 2,434,397, Jan. 13.
Motor: See—
Jet reaction motor.
Mounting covers on mechanism cases. F. S. Craig. 2,434,241, Jan. 13.
Nitro aromatic amines as insecticides, Substituted. W. F. Heister and W. E. Craig. 2,434,564, Jan. 13.
Nonmetallic paste or similar tube. H. L. Miller. 2,434,505, Jan. 13.
Nozzle for directing heated air to windshields. G. R. Wallen and H. R. Trausneck. 2,434,840, Jan. 13.
Nozzle, Self-closing filling. J. Muller. 2,434,428, Jan. 13.
Oil-bath tin-plate flowing apparatus and the like. G. E. Stoltz. 2,434,599, Jan. 13.
Oil seal. A. M. Chambers, Jr. 2,434,484-5, Jan. 13.
Olefinic compounds with hydrogen sulfide, Condensation of. J. F. Olin and J. L. Eaton. 2,434,510, Jan. 13.
Oleomargarine, Manufacture of. C. E. Nelson. 2,434,429, Jan. 13.
Optical lap, Thermoplastic synthetic resin. L. M. Hicks. 2,434,614, Jan. 13.
Oscillator, Pulse modulated. A. Easton. 2,434,400, Jan. 13.
Oscilloscope amplifier. H. W. G. Sallinger. 2,434,439, Jan. 13.
Paper feed for wrapping machines. W. Hoppe. 2,434,616, Jan. 13.
Paper holder attachment, Toilet. A. Foltis. 2,434,558, Jan. 13.
Perforators for printing presses. H. E. Peterson. 2,434,624, Jan. 13.
Petroleum from distillates, Preparation of pure aromatics. W. H. Claussen and T. M. Powell. 2,434,595, Jan. 13.
Photographic reversing unit and system for producing reversed images. S. N. Wekeman. 2,434,378, Jan. 13.
Piezoelectric crystal unit. H. F. Fruth and D. E. Noble. 2,434,266, Jan. 13.
Piston and pumps, Multiple cylinder opposed. W. H. Purdie. 2,434,584, Jan. 13.
Piston safety stop and reversing means for free piston engines. F. M. Lewis. 2,434,277, Jan. 13.
Plate, Electrolytic tin. H. S. Schutte. 2,434,290, Jan. 13.
Plug and socket clamp. J. Savage. 2,434,521, Jan. 13.
Polymerization process. N. M. Elmore and H. C. Evans. 2,434,552, Jan. 13.
Poppet valve assembling tool. N. B. Cook. 2,434,456, Jan. 13.
Porous structures, Increasing the strength of. L. S. Wertz. 2,434,301, Jan. 13.
Porous structures, Solidifying. L. S. Wertz. 2,434,302, Jan. 13.
Power system. E. A. Rockwell. 2,434,588, Jan. 13.
Precooling freight cars, Method and apparatus for. A. Y. Preble. 2,434,432, Jan. 13.
Producing extremely short waves, Process and apparatus for. P. M. G. Toulon. 2,434,446, Jan. 13.
Projector, Motion-picture. M. H. Press. 2,434,518, Jan. 13.
Propeller. H. L. Milner. 2,434,506, Jan. 13.
Protector: See—
Garment protector.
Pulper and selector, Continuous. H. D. Wells. 2,434,449, Jan. 13.
Pumping mechanism. J. Y. Dahlstrand. 2,434,459, Jan. 13.
Purge arrangement for heating coils. M. Noble. 2,434,580, Jan. 13.
Purifying a hydrocarbon mixture containing small amounts of organic fluorine compounds. V. N. Ipatieff and C. B. Linn. 2,434,409, Jan. 13.
Pusher installation for turbine-driven propellers. A. Kallitinsky. 2,434,319, Jan. 13.
Rack: See—
Space miser clothes rack.
Radiation intensity meter. M. J. Test and S. Krasnow. 2,434,297, Jan. 13.
Radiator vent valve. P. G. Chace and U. U. Savolainen. 2,434,398, Jan. 13.
Radio frequency parallel bonding. J. W. Mann and G. F. Russell. 2,434,573, Jan. 13.
Radio-receiver with band-spread control for a number of comparatively narrow frequency bands. C. J. Van Loon. 2,434,299, Jan. 13.
Rail retaining and spike fastening means. G. W. Muller. 2,434,579, Jan. 13.
Razor, Safety. J. D. Langdon. 2,434,275, Jan. 13.
Record controlled distributing and accounting machine. R. E. Page and H. S. Beattie. 2,434,512, Jan. 13.
Recording system, High-speed. J. A. Wilson and J. J. Heigl. 2,434,531, Jan. 13.
Reel assembly. R. R. Allen. 2,434,479, Jan. 13.
Refractories. L. W. Austin. 2,434,451, Jan. 13.
Refrigeration system including a load control apparatus. E. L. Schultz and E. A. Bailey. 2,434,953, Jan. 13.
Refrigerator, Two-temperature. G. K. Iwashita. 2,434,361, Jan. 13.
Regulating apparatus. A. J. Loepsinger. 2,434,421, Jan. 13.
Regulator: See—
Induction pressure regulator. Voltage regulator.
Relay computing mechanism. W. Lang. 2,434,499, Jan. 13.
Removal of fine dust from bauxite. F. W. Breth and Kinsel. 2,434,389, Jan. 13.
Reproducer, Pressure-proof. W. A. Myers. 2,434,442, Jan. 13.
Riparian structure, Convertible. V. M. Cruikshank. 2,434,457, Jan. 13.
Rolling of thin gauged material. G. Gage and D. Hughes. 2,434,558, Jan. 13.
Rotary brush type converter. G. A. Reinhard. 2,434,520, Jan. 13.
Rotor system for helicopters and control means therefor, Tiltable counter-rotating. I. B. Laskowitz. 2,434,276, Jan. 13.

Roundabout. E. G. Chatelas. 2,434,486, Jan. 13.
 Rubber from guayule shrub, Recovering. E. P. Jones. 2,434,412, Jan. 13.
 Rule, Statistical slide. K. R. Wood. 2,434,306, Jan. 13.
 Rust preventive lubricating oil compositions. G. W. Duncan. 2,434,490, Jan. 13.
 Sandpaper device, Interchangeable. W. Finkelstein. 2,434,356, Jan. 13.
 Saw clamp. W. P. Johnson. 2,434,568, Jan. 13.
 Scissors, Making. W. Hartkopf. 2,434,268, Jan. 13.
 Scraper, Paint and varnish. B. L. Johnson. 2,434,244, Jan. 13.
 Screen: See—
 Disappearing automobile window spring.
 Seal, Pump shaft. J. M. Roth. 2,434,589, Jan. 13.
 Seal, Terminal bushing. C. V. Fields. 2,434,554, Jan. 13.
 Sealing device for shafts. P. N. Curry. 2,434,458, Jan. 13.
 Seat and cover, Combined toilet. N. L. Olson. 2,434,249, Jan. 13.
 Selecting finger for crossbar switches. R. A. Svensson and H. O. Karlström. 2,434,373, Jan. 13.
 Sewing machine. N. V. Christensen. 2,434,608, Jan. 13.
 Sewing machine, Overedge. N. Knaus and P. J. Anton. 2,434,619, Jan. 13.
 Shackles, adjustable spring. H. Wilson. 2,434,304, Jan. 13.
 Shade and curtain bracket and Venetian blind holder, Combined. M. Whitfield. 2,434,252, Jan. 13.
 Shears, Motor operated multiple blade. C. L. Beard. 2,434,308, Jan. 13.
 Sheet feeding apparatus. L. C. Williams. 2,434,530, Jan. 13.
 Sheet paper dispenser. P. Breitwieser. 2,434,454, Jan. 13.
 Shield, Corona. A. H. Mauk. 2,434,572, Jan. 13.
 Shoemaker's clamp. E. A. McLane. 2,434,328, Jan. 13.
 Shoe pad construction, Body weight distributing. W. C. Burns. 2,434,258, Jan. 13.
 Shoe with cushioning means, Cement type. E. A. Schmidl. 2,434,370, Jan. 13.
 Signal: See—
 Audible time signal.
 Silencer, Valve. J. H. Bradshaw. 2,434,386, Jan. 13.
 Siren, Mechanical. C. A. Persons and J. G. S. Robinson. 2,434,516, Jan. 13.
 Skinning machine, Frankfurter. J. V. Golden and F. H. Runz. 2,434,316, Jan. 13.
 Slicing guide with pivoted guide member, Pastry. E. C. Hulsman. 2,434,566, Jan. 13.
 Solvent for rayon and rayon treating solution. C. L. Mantell. 2,434,621, Jan. 13.
 Space miser clothes rack. B. P. Hermes. 2,434,242, Jan. 13.
 Spool. F. J. Lenox. 2,434,363, Jan. 13.
 Spotting board. D. O. Goodwin. 2,434,404, Jan. 13.
 Spreader stoker apparatus. S. H. Chapman. 2,434,261, Jan. 13.
 Spring: See—
 Crib spring.
 Stamping machine. S. E. Anderson. 2,434,381, Jan. 13.
 Stand: See—
 Bicycle stand.
 Steel base, Marine anti-fouling. H. E. Smith. 2,434,291, Jan. 13.
 Stop mechanism, Automatic. R. A. Herath and C. P. Pettigrew. 2,434,406, Jan. 13.
 Submarine detecting device. W. P. Mason. 2,434,278, Jan. 13.
 Succinonitrile, Preparing. E. L. Carpenter. 2,434,606, Jan. 13.
 Swimming instruction apparatus. J. N. Borroughs. 2,434,542, Jan. 13.
 Swimming practice apparatus. J. N. Borroughs. 2,434,543, Jan. 13.
 Switch: See—
 Electrical time switch.
 Switch for conveyor tracks. C. L. Sheets. 2,434,523, Jan. 13.
 Switchgear apparatus. C. P. West. 2,434,604, Jan. 13.
 Tank for toilet or the like, Combination flush and storage. H. Duckenfield. 2,434,399, Jan. 13.
 Tap changing system. O. P. McCarty. 2,434,503, Jan. 13.
 Telephone headbands. H. R. Warnke. 2,434,251, Jan. 13.
 Television background control system. C. E. Hallmark. 2,434,405, Jan. 13.

Temperature compensated wave propagation device. W. L. Bond and G. W. Willard. 2,434,255, Jan. 13.
 Temperature responsive motor control system. J. L. Breese. 2,434,347, Jan. 13.
 Test set, Continuity and short-circuit. H. N. Snook. 2,434,336, Jan. 13.
 Tetra-alkyl carbonyl tetrathio diphosphates and their preparation. A. H. Fischer. 2,434,357, Jan. 13.
 Texturing device. J. L. Kempthorne. 2,434,462, Jan. 13.
 Therapeutic apparatus. W. K. Kearsley. 2,434,497, Jan. 13.
 Thermostatic element. P. G. Chace. 2,434,392, Jan. 13.
 Throttle control for internal-combustion engine power plant, Dual. J. J. Dugas. 2,434,489, Jan. 13.
 Tin-containing materials, Treating. I. E. Muskat. 2,434,283-4, Jan. 13.
 Tobacco curing stick. N. L. Broughton. 2,434,309, Jan. 13.
 Tool for dry picking poultry, Slaughtering. P. F. Riordan. 2,434,587, Jan. 13.
 Towel or paper napkin dispensing device, Paper. T. F. Anderson and H. Taber. 2,434,342, Jan. 13.
 Toy, Ball actuated. S. L. Long. 2,434,571, Jan. 13.
 Toy machine gun. H. S. Rochowiak. 2,434,436, Jan. 13.
 Traffic controlling system for railroads, Centralized. W. M. Barker. 2,434,240, Jan. 13.
 Transfer apparatus for plywood, Selective. A. C. Johnson. 2,434,411, Jan. 13.
 Transmission lines, Termination for. F. B. Gunter. 2,434,560, Jan. 13.
 Trisazo dyestuffs and making same. A. Jenny and A. Pedolin. 2,434,410, Jan. 13.
 Trouser hanger. L. S. Paulic. 2,434,430, Jan. 13.
 Trowelling machine. J. O. Huffman. 2,434,408, Jan. 13.
 Truck, Railway. H. M. Pfleger. 2,434,287, Jan. 13.
 Truck, Snubbed quick wheel change. R. C. Pierce. 2,434,583, Jan. 13.
 Tube: See—
 Nonmetallic paste or similar tube.
 2-chloro-3-iminobutyronitrile and process. J. L. Mostek. 2,434,507, Jan. 13.
 2-hydroxymethyl-1, 4-dioxane, Making. M. S. Kharasch. 2,434,414, Jan. 13.
 Ultra high frequency conductor. E. C. Okress. 2,434,509, Jan. 13.
 Umbrella, Body attached. U. Thornton. 2,434,526, Jan. 13.
 Vacuum apparatus for filling tires with water. W. W. McMahon. 2,434,366, Jan. 13.
 Valve: See—
 Electromagnetic pulsator Radiator vent valve.
 Valve seat and sleeve, Removable. J. J. Delany and J. D. Langdon. 2,434,262, Jan. 13.
 Vanillin, Making. J. R. Salvesen, D. L. Brink, D. G. Diddams, and P. Owzarski. 2,434,626, Jan. 13.
 Viscosity measuring apparatus. T. A. Cohen. 2,434,349, Jan. 13.
 Voltage regulator. J. F. Kovalsky. 2,434,569, Jan. 13.
 Voltage stabilizing transformer. L. J. Gburski. 2,434,493, Jan. 13.
 Washing apparatus having a water-softening mechanism controlled therewith. H. E. Edwards. 2,434,352, Jan. 13.
 Washing apparatus having an automatically cycled regenerative water-softening system. H. E. Edwards. 2,434,353, Jan. 13.
 Washing machine, Plural compartment tumbler type. N. S. McEwen. 2,434,468, Jan. 13.
 Watch band, Flexible. A. Benjamin. 2,434,383, Jan. 13.
 Watch stem-winding and -setting mechanism. J. C. Burgbacher. 2,434,390, Jan. 13.
 Wave translating device, Compressional. R. L. Peek, Jr. 2,434,285, Jan. 13.
 Wave translating system. R. W. Ketchledge. 2,434,273, Jan. 13.
 Welding. G. J. Kleiner and W. Schumbacker. 2,434,321, Jan. 13.
 Welding device. E. O. Courtemanche. 2,434,351, Jan. 13.
 Welding, Submerged melt. R. V. Anderson. 2,434,481, Jan. 13.
 Wheel construction. E. O. Lonze. 2,434,501, Jan. 13.
 Wing flap actuating mechanism. E. Anderson. 2,434,341, Jan. 13.
 Wringing machine. F. R. Moffatt and A. E. Goehring. 2,434,367, Jan. 13.
 Yarns or cabled thread and carrying out the said method, Method of making cabled. J. H. Berthier and J. A. Colin. 2,434,384, Jan. 13.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 13, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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Official Gazette

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Patents expiring: Patent Numbers 1,789,288 to 1,789,954, inclusive, issued January 20, 1931, expire January 20, 1948

Condition of Applications Under Examination at Close of Business Dec. 30, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 182,918; Trade-Mark Division, 26,937. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 8, 1946.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
1. GOLDBERO, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons, Sewerage.	Apr. 25	Apr. 4	3,461
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Mar. 16	Feb. 11	3,926
3. MARMELESTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus).	Feb. 3	Sept. 5	1,658
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	June 7	June 6	3,971
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Jan. 31	Feb. 12	2,352
6. SURLE, H., Carbon Chemistry (part).	July 9	Dec. 30	1,847
7. HANLIN, GEORGE, Optics; Photographic Apparatus.	Mar. 13	Dec. 6	1,808
8. IMUS, A. E., Furniture; Racks and Cabinets.	Mar. 23	Apr. 23	4,019
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	May 25	Mar. 16	2,380
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators; Piezo-electric Crystals.	Mar. 1	Oct. 31	899
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Mar. 25	Mar. 29	821
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	Sept. 28	June 11	1,999
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.	Apr. 2	Mar. 1	2,459
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	Jan. 6	Oct. 11	1,218
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.	June 28	Feb. 4	2,096
16. LOVEWELL, N. N., Telegraphy, Telephony.	Apr. 2	Oct. 4	1,761
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	Aug. 3	May 9	1,782
18. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	Apr. 8	Mar. 25	1,643
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	July 11	July 9	1,922
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	May 1	May 3	2,141
21. MADER, R. C., Textiles.	Feb. 21	Jan. 2	1,062
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	June 28	May 27	1,930
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education.	May 9	Mar. 9	1,319
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	Mar. 3	Mar. 7	1,853
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 22	May 25	1,743
26. YOUNG, R. R., Electricity—Generation and Motive Power.	Jan. 4	Apr. 24	1,606
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush; Broom and Mop Making.	Aug. 28	July 25	2,921
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Aug. 5	July 11	1,256
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Aug. 19	May 31	2,834
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Jan. 2	July 16	2,434
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Ayclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	Mar. 27	Feb. 27	2,009
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Apr. 6	Feb. 2	2,789
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.	Apr. 16	Mar. 11	3,461
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	May 29	Mar. 1	1,368
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	July 16	June 24	2,748
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Apr. 5	Mar. 19	2,007
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Apr. 2	Sept. 4	1,536
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber.	Aug. 30	June 12	1,720
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	Mar. 7	Jan. 8	2,844
40. DRUMMOND, E. J., Receptacles (part); Packages.	Nov. 5	May 13	2,087
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	Mar. 1	Mar. 1	2,686
42. MARANS, H., Electric Signaling; Variable Transformer and Reactor Structure; Electricity, Voltage Magnitude and Phase Control Systems.	Nov. 12	Oct. 19	900
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	Jan. 14	Mar. 12	1,361
44. HARVEY, L. P., Refrigeration; Preserving.	Mar. 7	Feb. 1	1,200
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part) Spring, Weight and Horsepower Motors.	Apr. 19	Mar. 6	2,608
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	May 7	May 15	1,531

NOTE.—The dates given are 1946 except where † indicates 1947.

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes.....	Dec. 4	Sept. 25	2,023
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters.....	May 15	Apr. 27	1,703
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.....	Aug. 5	June 12	1,612
50. LEVIN, SAMUEL, Synthetic Resins.....	†Jan. 30	Oct. 2	2,404
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.....	Nov. 6	July 2	1,994
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.....	Aug. 28	July 6	3,740
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter; Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.....	Apr. 26	Mar. 6	3,519
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.....	†Feb. 18	Oct. 12	1,985
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet.....	May 23	Apr. 5	1,828
56. COOKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing.....	†Mar. 5	†Feb. 1	1,187
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.....	May 1	Apr. 2	3,524
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.....	Sept. 30	Aug. 3	1,436
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).....	May 7	Apr. 12	2,034
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.....	†Apr. 4	Sept. 19	1,515
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.....	May 2	Mar. 23	3,145
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors.....	July 8	May 15	1,613
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.....	†Jan. 13	†Jan. 8	1,638
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous.....	†May 2	†May 1	1,828
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors.....	†Mar. 1	Oct. 2	1,317
66. LISANN, I., Geometrical Instruments.....	Feb. 23	Jan. 8	2,244
67. KRAFFT, O. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation.....	May 7	Mar. 23	2,146
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control.....	Dec. 6	Aug. 5	1,611
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters.....	May 24	Feb. 25	1,166
TRADE-MARKS: MERCHANT, J. H.....	†July 5	†July 14	26,937
DESIGNS: BREHM, G. L.....	June 10	†June 26	8,175

NOTE.—The dates given are 1946 except where † indicates 1947.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE JUDEFIND

No. 5328. Decided June 17, 1947. Petition for rehearing denied September 29, 1947

[163 F.2d 579; 75 USPQ 91]

PATENTABILITY—PROCESS OF CONTROLLING ADSORPTIVE PROPERTIES OF SILICA GEL.

Where, prior to appellant's activities, the art was well advised as to the method of controlling the size of the pores in producing silica gel, and where appellant's selection of washing water with a particular pH value was not without suggestion in the prior art, *Held* that the teachings of the prior art would lead one skilled in the art to do what appellant has done, and the temperatures and times required for the washing cannot lend patentability to the claims.

APPEAL from the Patent Office. Serial No. 471,283. AFFIRMED.

Semmes, Keegin, Robinson & Semmes (Harry H. Semmes and Irvin S. Thompson of counsel) for Judefind.

W. W. Cochran (H. S. Miller of counsel) for the Commissioner of Patents.

BLAND, J.:

Appellant appealed to the Board of Appeals of the United States Patent Office from the decision of the Primary Examiner rejecting all the claims, 4, 7, 8, 9, 10, 13 to 17, inclusive, in his application for a patent relating to a process of controlling the adsorptive property of gel for want of invention over the prior art. The Board affirmed the action of the Examiner, and appellant has appealed here.

Claim 4 is illustrative and reads:

4. In the production of a highly adsorbent silica gel in which a hydrogel is formed as an intermediate product, the step of washing the hydrogel with water having a pH value between about 3.8 and about 5.8.

The references relied upon are: British Patent 255,863, March 10, 1927; Johnson (British), 270,040, May 5, 1927; Connolly et al., 1,900,850, March 7, 1933; Handbook of Chemistry and Physics, 16th ed., page 573. Chemical Rubber Pub. Co.

The claims all relate to the production of a highly adsorbent silica gel in which a hydrogel is formed as an intermediate product and the claims consist of the step of washing hydrogel with acidulated water. The differences in the claims are shown tersely and correctly by the following, quoted from appellant's brief:

All of the claims are limited to the washing of a silica hydrogel with water having a pH value between about 3.8 and about 5.8, or a pH value between about 3.8 and about 4.5.

Claim 4 is limited to the pH range of 3.8 to 5.8. Claim 9 is limited to the narrower pH range of 3.8 to 4.5.

Claim 7 is limited to the pH range of 3.8 to 5.8 and a temperature range of 140° F. to 160° F.

Claim 8 is limited to the pH range of 3.8 to 5.8 and a temperature range of about 150° F.

Claim 10 is restricted to the pH range of 3.8 to 4.5 and the temperature range of 140° F. to 160° F.

Claim 13 is similar to claim 4 but is more specific in specifying that the washing is effected for a period of 36 to 48 hours.

Claim 14 is limited to the washing of a hydrogel with water having a pH value between about 3.8 and about 5.8 and a temperature range from about 140° F. to 160° F. for a period of about 36 to 48 hours.

Claim 15 is similar to claim 14 but is limited to a specific time of about 45 hours.

Claim 16 is somewhat similar to claim 10 but is further limited to the washing being over a period of time of about 36 to 48 hours.

Claim 17 is somewhat similar to claim 16 but is limited to the specific time of about 45 hours.

The silica gel which is involved here is largely used for the purpose of absorbing moisture and is found advantageous as a moisture adsorbent, particularly in overseas shipment of articles having metal parts (so as to avoid corrosion) or elsewhere where the absorption of moisture is desired.

The gist of the alleged invention seems to be in controlling the pore size of the gel. Apparently if small pores are produced the adsorptive properties of the product will be increased. Whether small pores or wide pores are the most desirable for water absorption is not shown by the record. The Solicitor for the Patent Office states that "the small pored gel is the highly adsorbent gel," and the Examiner seemed to think that small pores were the most desirable.

Appellant's alleged invention is to wash the silica gel with water having a pH value between about 3.8 and 5.8 or a pH value between 3.8 and 4.5. Appellant urges that the particular pH value of the water is critical and submits a table to show that in cases where the humidity is 40% the adsorptive qualities of the resulting product, when washed with water such as is specified in the claims and when the water is at a certain temperature and when the operation is carried on for a stated length of time, are greatly improved, particularly as in the experiments where the pH value was reduced to about 3.8 to 4.5.

The patent to Connolly is in the same art as appellant's alleged invention, and the patentee states: "The principal feature of the present invention is the discovery that the temperature of the wash liquid controls the apparent density of the final product, that is, whether it is a wide or narrow pore gel or has pores of an intermediate size.

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* * * the hydrogel is washed from 36 to 48 hours with water at a temperature of 125° F. to 160° F., preferably about 150° F."

British Patent No. 255,863 relates to improvements in the manufacture and production of active colloids. This patent states that where "very small porous products" are desired "it is advantageous to wash the jelly or jelly-like precipitate only until the impurities for the greater part are removed." The patent also states that the jelly is "washed * * * with distilled or purified water preferably containing a small quantity of an acid."

The British patent to Johnson relates to the manufacture and production of active silica where a sol is used which shows "neutral, or better, acid reaction with methyl-orange." This patent states: "when the jelly is washed with distilled or slightly acid water * * * fine porous products are obtained."

The Handbook of Chemistry and Physics was cited by the Examiner to show that methyl-orange is active as an indicator in the pH range of 3.1 to 4.4.

It is seen from the foregoing that, prior to appellant's activities, the art was well advised as to the method of controlling the size of the pores in producing silica gel and that where it is desirable that a gel with pores of suitable size to absorb the greatest amount of moisture be produced the teachings of the cited patents and the Handbook of Chemistry and Physics would lead one skilled in the art to do what appellant has done. As was concluded by the tribunals below, appellant's selection of water with a particular pH value was not without suggestion in the prior art and his temperatures and lengths of time required for the washing cannot lend patentability to the claims in view of the suggestions in the Connally patent.

We think the Board of Appeals arrived at the right conclusion and its decision is affirmed.

AFFIRMED.

By reason of illness, GARRETT, P. J., was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

MINNESOTA MINING & MANUFACTURING COMPANY

v.

EVERETT N. McDONNELL

No. 5309. Decided June 17, 1947. Petition for rehearing denied September 29, 1947

[163 F.2d 557; 75 USPQ 84]

1. TRADE-MARKS—OPPOSITION—CONFUSION IN TRADE.

Where goods of the contending parties are sold in the same stores, it is a matter to be considered in connection with the descriptive properties of the goods, but it is not controlling on the question.

2. SAME—SAME—SAME.

Although the goods to which opposer's registered trade-marks are applied (abrasive and adhesives), as pleaded in the notice of opposition, and those to which applicant applied his mark (snap switches) are all sold in hardware stores, *Held* that they are so distinct and dissimilar in their uses and essential characteristics as to be unlikely to cause purchasers to assume that they had a common origin.

3. SAME—SAME—GOODS DISSIMILAR—SIMILARITY OF MARKS IMMATERIAL.

Where the goods named in the registrations pleaded in the notice of opposition were not of the same descriptive properties as applicant's goods, *Held* the claim of similarity of applicant's mark to the marks under which opposer sold its goods becomes immaterial.

4. SAME—SAME—PRIORITY—BURDEN OF PROOF.

Opposer had burden of establishing priority in the use of its mark by a fair preponderance of the evidence.

5. SAME—SAME—SAME—SAME.

Where opposer contends that its registration applied to electrical tape is sufficient in and of itself to sustain the opposition, where the application for registration alleged a date of use prior to applicant's use of his mark, *Held* that record shows that opposer did not sustain its burden of proving priority of use, although it had ample opportunity to do so, if such were the fact. The presumption arising from its registration cannot be properly held to be of greater weight than actual proof of prior use by applicant.

6. SAME—SAME—SAME—SAME.

Where opposer pleaded the use of eight registered marks on goods none of which, in our opinion, possesses the same descriptive properties as snap switches, did not and could not have pleaded in its notice of opposition its registered mark as applied to electrical tape, and with knowledge of having filed its application for that registration only four days prior to the taking of testimony on its behalf, no mention of which was brought out until it was received in evidence as a cross-exhibit of opposer during cross-examination of applicant, *Held* that, under the circumstances of this case, that registration is entirely irrelevant.

7. SAME—SAME—SAME—SAME.

Where applicant is the prior user, the similarity of the marks and the descriptive properties of the goods of the parties are immaterial.

8. SAME—SAME—"MM" FOR SNAP SWITCHES.

Where record clearly shows that applicant used his mark on snap switches prior to any date proved by opposer, *Held* that the decision dismissing the notice of opposition and adjudging applicant entitled to the registration for which he has made application, is without error.

APPEAL from the Patent Office. Opposition No. 22,511.

AFFIRMED.

Harold J. Kinney (Carpenter, Abbott, Coulter & Kinney of counsel) for Minnesota Mining & Mfg. Co. Brown, Jackson, Boettcher & Diemmer (John A. Diemmer and Edward C. Grelle of counsel) for McDonnell.

JACKSON, J.:

This is an appeal in a trade-mark opposition proceeding from a decision, 67 USPQ 173, of the Commissioner of Patents, by Leslie Frazer, First Assistant Commissioner, affirming that of the Examiner of Interferences dismissing appellant's notice of opposition and adjudging that appellee is entitled to the registration for which he made application.

The application, Serial No. 452,310, was filed April 13, 1942, and alleged January 19, 1939, as the date of first use of appellee's mark, consisting of "MM" joined together above a chevron-like angular line, the ends of which connect with the outer legs of the letters. The mark is applied to "snap switches."

The application was tentatively allowed and the mark was published in the OFFICIAL GAZETTE of March 16, 1943.

The notice of opposition, dated April 12, 1943, relates to the confusion-in-trade clause of section 5 of the Trade-Mark Act of 1905 (15 USCA §85).

In the notice of opposition it was alleged that for a long time appellant has been a well-known manufacturer of many products, among which are electrical supplies, including electrical insulating tape and non-insulating pressure-sensitive adhesive tape, employed in industrial work, including electrical work, and that it manufactured and sold such articles since long prior to January 19, 1939.

Appellant relied on eight registered trade-marks, alleging use of said marks prior to January 19, 1939, as follows: "3M Co." for corundum, garnet and emery paper and cloth; "Tri-M-It" for abrasive paper and cloth; "Three-M" for abrasive cloth and paper; "3-M" for polishing wax for furniture, wood-work, linoleum, rubber or asphalt tiles, and lacquer polishes for automobile finishes; "3-M" for adhesives, adhesive tape, adhesive sheet and fabric material, cement, elastic cement, weather-strip cement and rubber cement; and "3-M" for quartz, quartzite, digester, filter and sandpaper quartz, aggregate, plaster, gravel, sand, sand filler, silica flour, silica, bird, pigeon and chick grit, run of quarry, garnet, corundum and roofing granules.

On August 13, 1943, four months subsequent to the filing of the notice of opposition, appellant applied for registration of the expression "3-M" as a trade-mark, alleging use of said mark on electrical tape to have been continuous since at least May 1933. The application was granted and the mark was registered on January 11, 1944.

Both parties took testimony and several exhibits were received in evidence.

The testimony on behalf of appellant began on August 17, 1943, and was completed on August 18, 1943. The testimony on behalf of appellee was given and completed on March 17, 1944.

It may be observed that the application for appellant's trade-mark, as applied to electrical tape, was filed only four days prior to the taking of testimony on its behalf and that the registration of such mark had been granted two months prior to the taking of testimony on behalf of appellee.

It appears that appellant is a Delaware corporation with its principal place of business at St. Paul, Minn., and that it manufactures a great variety of articles.

Appellee is an individual, doing business in Chicago, Ill., under the trade-name of McDonnell and Miller, formerly a partnership, and is engaged in manufacturing and selling internationally, feed water regulators, liquid level controllers, low-water controllers, snap action humidifier valves, and snap switches.

Appellant sells its products to supply houses, hardware jobbers, paint jobbers, lacquer specialist jobbers, janitor supply jobbers, and others who are in business to serve the trade with products of the type sold by appellant. Appellee sells to boiler manufacturers, wholesalers of pumping and heating supplies, heating and plumbing contractors, stoker

manufacturers, oil burner manufacturers, gas burner manufacturers, and equipment manufacturers.

Since January 1939 appellee has supplied snap switches, to which were applied the involved mark, to equipment manufacturers who engineer such switches into their equipment. He supplies equipment manufacturers with specifications of snap switches from which the manufacturer selects the type required and orders it pursuant to specification. It appears those switches must be provided with special tappings and holding blocks. They are not sold to the hardware trade, nor resold as such by equipment manufacturers.

Following what appears to be his standard practice of applying his trade-mark to all his products, appellee has applied the involved mark to custom built snap switches.

The record on behalf of appellant proves without contradiction that it has used the registered marks pleaded in the notice of opposition as alleged and the first use thereof as applied to the articles to which they are affixed is prior to January 19, 1939.

Appellant contended below and contends here that its abrasives, cements, sand paper, tapes, polishes, and so forth, are goods of the same descriptive properties as snap switches for the reason that all those kinds of goods are sold in hardware stores. Of course, the application of appellee applies to snap switches in general, but the snap switches he has made and sold are not at the present time sold in the hardware trade. However, there can be no question, in our opinion, that such snap switches could be made and sold in the same stores as the goods of appellant if appellee so desired.

[1] The Examiner noted the principle that when goods of contending parties are sold in the same stores, it is a matter to be considered in connection with the descriptive properties of the goods, but is not controlling on that question, citing *Prait & Lambert, Inc. v. Chapman & Rodgers, Inc.*, 30 CCPA (Patents) 1228, 136 F.2d 909, 58 USPQ 474, 556 O. G. 720; and *Kraft-Phenix Cheese Corp. v. Consolidated Beverages, Ltd.*, 27 CCPA (Patents) 803, 107 F.2d 1004, 44 USPQ 41, 514 O. G. 827.

[2] The Examiner held, and in our opinion properly so, that although the goods to which appellant's registered trade-marks are applied, as pleaded in the notice of opposition, and snap switches, even though all are sold in hardware stores, are so distinct and dissimilar in their uses and essential characteristics as to be unlikely to cause purchasers to assume that they had a common origin. He observed, and we agree with the observation, that there are sold in hardware stores an almost unlimited variety of unrelated items and that because of the differences between snap switches and appellant's products, they do not possess the same descriptive properties.

[3] The Commissioner held that the goods named in the registrations pleaded in the notice of opposition were obviously not of the same descriptive properties as appellee's goods and, consequently, the claim of similarity of appellee's mark to the marks

under which appellant sold its goods becomes immaterial. *General Mills, Inc. v. Freed*, 24 CCPA (Patents) 1171, 89 F.2d 664, 33 USPQ 386, 485 O. G. 17.

Appellant's registration of the mark "3-M" for electrical tape, dated January 11, 1944, heretofore referred to, was introduced in evidence as a cross-exhibit of appellant during the cross-examination of appellee. The application for that mark, filed only four days prior to the taking of appellant's testimony, was not referred to therein, nor was there any evidence introduced by appellant to substantiate the statement in the application that the mark, as applied to electrical tape, was in continuous use since at least May 1933.

There is no testimony of any kind or character that appellant applied its mark to electrical tape prior to January 1939, which date of first use by appellee appears in the record without contradiction in his testimony.

The statement appearing in appellant's registration for its "3-M" mark, as applied to electrical tape, was signed by its president. Testimony on its behalf was offered by its vice-president, a sales manager, the sales manager of the coated abrasive products, the chief photographic laboratory technician and the general sales manager of the "Scotch" Tape Division, all officers or employees of appellant. Not one of those witnesses was asked the direct question as to when the "3-M" trade-mark, as applied to electrical tape, was first used. Neither does it appear that any electrical tape was manufactured and sold by appellant prior to January 1939. Other witnesses, hardware store proprietors and the like, appeared on behalf of appellant to testify as to the likelihood of confusion of origin in the use of the marks of the parties on electrical tape and snap switches.

The general sales manager of the "Scotch" Tape Division of appellant, who, it would seem, should be expected to know most about the electrical tape product, stated that appellant had manufactured and sold tapes since 1930. That statement is not sufficient to prove the earliest date of appellant's sale of electrical tape.

The vice-president testified in some detail as to the various products sold and manufactured by his company and when asked on direct examination what products of appellant were sold prior to January 1, 1939, prefaced his answer by stating, "The products made and sold previous to the entrance of our country in the so-called World War 2 * * *". Clearly the witness, a high official of the company, presumably knowing that an application was filed to register the trade-mark "3-M" as applied to electrical tape, only four days prior to the date on which he testified, should have answered such a question squarely that the date of first use of the mark, so far as electrical tape was concerned, was prior to January 1939, if such were the fact. In any event, if the witness knew, and he should have known, that that mark on electrical tape had been used prior to that date, he would have so stated

rather than have fixed the indefinite time of first use as being prior to our entrance into World War 2. Our involvement in that war was almost three years after appellee's first use of his trade-mark for snap switches.

Apparently in an attempt to make more definite the testimony of the vice-president, instead of asking him whether or not electrical tapes were sold prior to January 1939 with the trade-mark "3-M" applied thereto, the following questions were asked by appellant's counsel and the following answers made thereto:

Q. I believe the testimony began on the basis that you were going to name the products that were made and/or sold by the company prior to January 1, 1939. I believe you might have mentioned one product there that wasn't made and sold prior to that time, during the latter part of your testimony, although I am not sure of that?
A. I would like to correct part of my testimony. In the last items I referred to a product known as "Scotch" abrasive grits which wasn't sold previous to 1939.
Q. Was sulphuric acid sold prior to that time, Mr. Bush?
A. I would like to make another correction. Sulphuric acid wasn't sold until February, 1942.

Appellant contends that because the witness did not state in the answers that electrical tape was one of the products not made by appellant prior to January 1, 1939, that his testimony should be interpreted to mean that the trade-mark "3-M," as applied to electrical tape, was used by appellant prior to that date. However, the witness's answer was not based on products made by his company prior to January 1939, but on products made prior to the entrance of the United States into World War 2.

[4] Appellant had the burden of establishing priority in the use of its mark by a fair preponderance of the evidence and we agree with the Examiner of Interferences and the Commissioner of Patents that it failed to sustain that burden.

The Examiner of Interferences was of opinion that opposer's electrical tape did not possess the same descriptive properties as appellee's snap switches, but in view of what has been said and our conclusion, it is not necessary to discuss that holding in detail.

The Commissioner in his decision stated that appellant complained because the Examiner had made no ruling as to the alleged similarity of the marks and stated that such ruling was unnecessary in the view the Examiner took of the case and that it was unnecessary for the Commissioner to make any such ruling. He then went on to state:

It seems proper to say, however, that in my opinion applicant's mark bears too near a resemblance to opposer's "3-M" mark to be registered for merchandise of the same descriptive properties, had opposer established priority of use in connection with such merchandise.

Appellant filed a petition for reconsideration and in a subsequent decision, 67 USPQ 310, the Commissioner reiterated his holding that appellant had failed to establish the sale of electrical tape under the trade-mark "3-M" as of a date prior to appellee's first use of his mark upon snap switches.

The Commissioner stated that appellant seemed to assume that had he been satisfied that appellant had shown prior use of its mark with respect to electrical tape he would have sustained the opposition. The Commissioner stated that such was not his position, saying, "Aside from the fact that it is a

pressure-sensitive adhesive tape, the record is entirely silent as to the character of this product or its intended function."

He stated he was not at liberty to take judicial notice as a matter of common knowledge of the probable purpose of the article merely from its name, citing *Lever Brothers Company v. Butler Manufacturing Company*, 24 CCPA (Patents) 1000, 88 F.2d 842, 33 USPQ 38, 483 O. G. 464. In this connection the Commissioner held that if the expression "electrical tape" had a well-understood meaning in the trade, it was a fact to be proved and that upon the record he was not prepared to hold that electrical tape and snap switches are merchandise possessing the same descriptive properties. He then reiterated that in his opinion opposer failed to establish its sale of electrical tape under the "3-M" trade-mark as of a date earlier than appellee's first use of his mark on snap switches.

[5] Appellant contends that its registration of the "3-M" mark applied to electrical tape is sufficient in and of itself to sustain the opposition. In support of that contention the case of *Island Road Bottling Company v. Drink-Mor Beverage Company*, 31 CCPA (Patents) 816, 140 F.2d 331, 60 USPQ 369, 562 O. G. 3, is cited. The Commissioner held such registration to be "of no avail to opposer" in this proceeding, citing *McKesson & Robbins, Inc. v. Cameo Corporation*, 557 O. G. 596, 59 USPQ 399. He held the *Island Road Bottling Company* case, supra, to be not in point, stating that in that case the notice of opposition had been dismissed and the application for registration rejected ex parte in view of the opposer's registration of a mark which apparently had been abandoned. He said the court in that case merely held that the validity of the registration was not subject to collateral attack. He then noted that the same would be true of any registration cited against any application in an ex parte proceeding, although no application was rejectable upon a registration showing on its face a later filing date than that of the involved application. He then stated in such a situation an interference might be declared or the registrant might oppose the application, but that in neither case, under the express provision of section 7 of the Trade-Mark Act of February 20, 1905, would the application be refused, unless it appeared that the registrant was "the person first to adopt and use the mark." He then properly pointed out that the rejectability of appellee's mark on appellant's registration to be entirely an ex parte question and a matter upon which appellant was not entitled to be heard, citing *Island Road Bottling Co. v. Drink-Mor Beverage Co.*, 30 CCPA (Patents) 708, 132 F.2d 129, 56 USPQ 65, 548 O. G. 3.

The record here clearly shows that appellant did not sustain its burden of proving priority of use of its "3-M" mark on electrical tape prior to the use of his mark in January 1939 by appellee, although it had ample opportunity to do so, if such were the fact. The presumption arising from its registration surely cannot be properly held to be of greater weight than actual proof of prior use by appellee.

[6] There is no attempt, in this case, by appellee to attack the validity of appellant's registered mark "3-M" as applied to electrical tape, as contended by appellant. Appellant sought the opposition; pleaded the use of eight registered marks on goods none of which, in our opinion, possesses the same descriptive properties as snap switches; did not and could not have pleaded in its notice of opposition its registered mark as applied to electrical tape; and with knowledge of having filed its application for that registration only four days prior to the taking of testimony on its behalf, no mention of such fact was brought out until March 17, 1944, during the cross-examination of appellee, when the registration was received in evidence as a cross-exhibit of appellant. Under the circumstances of this case that registration is entirely irrelevant.

It appears that dealers in appellant's products refer to them as "3-M" products as a kind of shortened form for its corporate name. Such expression, however, is not the corporate name of appellant and it cannot be held that appellee has, as contended by appellant, appropriated such corporate name.

[7] Since appellee is the prior user, the similarity of the marks and the descriptive properties of the goods of the parties are immaterial.

[8] Because we are of opinion that the record clearly shows appellee used his mark on snap switches prior to any date proved by appellant the decision of the Commissioner affirming that of the Examiner of Interferences, dismissing the notice of opposition and adjudging that appellee is entitled to the registration for which he has made application, is without error.

The decision appealed from is affirmed.

AFFIRMED.

By reason of illness, GARRETT, P. J., was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

WEST DISINFECTING Co.

v.

LAN-O-SHEEN Co.

No. 5284. Decided June 3, 1947. Petition for rehearing denied September 29, 1947

[163 F.2d 566; 75 USPQ 77]

1. TRADE-MARKS—OPPOSITION—CHALLENGING MARK.

A registered mark cannot be challenged in an opposition proceeding on the ground that the mark is merely descriptive of the merchandise to which it is attached or that it is otherwise invalid.

2. SAME—SAME—SAME.

In considering the significance of the contested marks in their entirety, there is no justification for the refusal to consider the respective portions thereof, including descriptive or disclaimed portions, to determine the dominant part of each of the marks.

3. SAME—DOMINANT PART—DESCRIPTIVE WORDS.

A descriptive word has so little trade-mark significance as indicating origin of the goods, that it cannot be considered as the dominant part of a mark.

4. SAME—SAME—SAME—"SHEEN."

The word "sheen" is not descriptive of cleaning powders as such; however, it does convey and is intended to convey, that the involved merchandise will produce a sheen upon the surface of fabrics. The word "sheen," standing alone or as part of a composite mark is merely descriptive of the character or quality of the merchandise to which the mark is attached, and therefore cannot be considered as the dominant part of the mark.

5. SAME—SAME—SAME—"LAN.O."

The term "Lan.o" is not descriptive and in our opinion is the dominant part of appellee's mark "Lan.o.Sheen."

6. SAME—OPPOSITION—CONFUSING SIMILARITY—"LAN.O.—SHEEN" AND LUSTERSHEEN."

The term "Lan.o." differs in sound, meaning and appearance from the prefix "Luster," and considering the marks as a whole, *Held* that the concurrent use of "Lan.o.Sheen" and "Lustersheen" on the goods of the parties would not be likely to cause confusion in trade or deceive purchasers.

APPEAL from the Patent Office. Opposition No. 22,859.

AFFIRMED.

Harvey B. Jacobson (J. Edward Burch of counsel) for West.

Charles M. Thomas and Sidney Russel (Stephen W. Blore of counsel) for Lan-O-Sheen.

O'CONNELL, J.:

This is an appeal from the decision of the Commissioner of Patents in an opposition proceeding, 68 USPQ 421, involving the question of whether, when concurrently used on goods of the same descriptive properties, consisting of cleaning preparations, the mark "Lan.o.Sheen," which appellee seeks to register, is or is not confusingly similar under section 5 of the Trade-Mark Act of 1905 to appellant's previously registered trade-mark "Lustersheen." Appellee has disclaimed the word "Sheen."

Neither party took testimony. The record discloses that appellant's product is "A PREPARATION PREPARED FOR USE IN THE WET CLEANING OF SILKS, WOOLENS, LINENS AND FINE FABRICS" and, as prominently described on the printed label on which the trade-mark is shown, appellant's product is "A PURE VEGETABLE COMPOUND FREE FROM ANIMAL OR MINERAL OILS."

Appellee's product is described in its application as a cleaning powder for such articles as silks, woollens, clothing, rugs, upholstery, drapery, woodwork, painted surfaces, tile, linoleum, vitreous enamel, silverware, and dishes. As described in a prominent place on the printed label on which the mark is shown, appellee's product "brings 'Spontaneous Evaporation' to the cleansing of fabrics * * * contains no ether, ammonia, free lye or bleach."

Section 5 of the Trade-Mark Act of February 20, 1905, so far as pertinent, provides as follows:

Sec. 5. U. S. C., title 15, sec. 85. That no mark by which the goods of the owner of the mark may be distinguished from other goods of the same class shall be refused registration as a trade-mark on account of the nature of such mark unless such mark—

(b) * * * so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers * * *

Since the goods here involved are cleaning preparations having in part identical uses for identical

purposes, it is clear that such goods possess the same descriptive properties within the meaning of the statute.

The Examiner of Interferences sustained appellant's notice of opposition and held that appellee was not entitled to the registration of its mark because—

The marks involved, namely, "Lan.o.Sheen" and "Lustersheen," are not only identical in their final syllable, "Sheen," but both start with the same initial letter "L," and in view of these several similarities the Examiner is of the opinion that confusion in trade is reasonably likely.

The Commissioner of Patents analyzed the two marks and reversed the Examiner's decision. The Commissioner held, in effect, that the common suffix "sheen" is so highly suggestive of the intended function of cleaning preparations as to be descriptive and incapable of exclusive appropriation by appellant, either alone or as part of a composite trade-mark; that the remaining portions of the two marks do not resemble one another in sound, meaning, or appearance; and that considered as a whole, the marks when concurrently used on merchandise of the same descriptive properties would not be likely to cause confusion or mistake in the mind of the public or to deceive purchasers as to the origin of the goods, citing *Miles Laboratories, Inc. v. Foley & Company*, 32 CCPA (Patents) 714, 144 F.2d 888, 63 USPQ 64, 569 O. G. 359.

[1] A registered mark cannot be challenged in an opposition proceeding on the ground that the mark is merely descriptive of the merchandise to which it is attached or that it is otherwise invalid. *Revere Sugar Refinery v. Joseph G. Salvato*, 18 CCPA (Patents) 1121, 48 F.2d 400, 8 USPQ 547, 409 O. G. 562.

[2] That rule, however, is no justification for the court in considering the significance of the contested marks in their entirety, to refuse to consider the respective portions thereof, including descriptive or disclaimed portions, to determine the dominant part of each of the marks. *Frankfort Distilleries, Inc. v. Kasko Distillers Products Corporation*, 27 CCPA (Patents) 1189, 111 F.2d 481, 45 USPQ 438, 520 O. G. 535; *Franco-Italian Packing Corp. v. Van Camp Sea Food Co., Inc.*, 31 CCPA (Patents) 1029, 142 F.2d 274, 61 USPQ 369, 565 O. G. 341, and authorities therein cited.

In the opinion of the first of the two cases just cited, it is stated that—

If the purchaser of trade-marked goods would be more likely to remember one part of a mark than another part as indicating origin of the goods, such word is the dominant part of the mark under the decisions above cited.

[3] The court has further pointed out that a descriptive word has so little trade-mark significance as indicating origin of the goods, that it cannot be considered as the dominant part of a mark. *American Brewing Company, Inc. v. Delatour Beverage Corporation, Etc.*, 26 CCPA (Patents) 778, 100 F.2d 253, 40 USPQ 173, 501 O. G. 293; *National NuGrape Company v. Judge & Dolph, Ltd.*, 33 CCPA (Patents) 1032, 154 F.2d 521, 69 USPQ 388, 588 O. G. 10.

The court in analyzing the marks must determine whether the word "sheen" is descriptive of the goods

or the character or quality thereof or the purpose for which they are used. If so, the word is not the dominant part of the marks and may not be exclusively appropriated by either party for use as a trade-mark. *In re General Permanent Wave Corporation, etc.*, 28 CCPA (Patents) 1099, 118 F.2d 1020, 49 USPQ 184, 530 O. G. 13; *Philip A. Hunt Company v. Eastman Kodak Company*, 31 CCPA (Patents) 852, 140 F.2d 166, 60 USPQ 374, 561 O. G. 517.

[4] The word "sheen" clearly is not descriptive of cleaning powders as such. However, "sheen" does convey, and is intended to convey, the information that the involved merchandise when used according to directions in the cleaning of fabrics will, among other things, produce a sheen upon the surface of such fabrics. That is one function which the cleaning preparations here involved is designed to perform.

The word "sheen," standing alone or as part of a composite mark, is merely descriptive of the character or quality of the merchandise to which the mark is attached. The word cannot therefore be considered under the authorities hereinbefore cited as the dominant part of the marks.

The issue accordingly resolves itself into the question of whether the marks considered in their entirety are confusingly similar.

It is argued that "Luster" and "Lan.o." are the dominant parts of the respective marks and that those prefixes are not confusingly similar. Both such prefixes are comprised of two syllables, with the accent on the first syllable, and each prefix begins with a capital "L." In meaning, "Luster" is merely cumulative with "sheen." "Lan.o." is derived from "lanolin" which means a wool fat or grease used in ointments, etc. See Webster's Collegiate Dictionary, Fifth Edition, 1944.

[5] The term "Lan.o." is not descriptive and, in our opinion, is the dominant feature of appellee's mark.

[6] Furthermore, we are of opinion that the term "Lan.o." differs in sound, meaning, and appearance from the prefix "Luster" in appellant's mark, and that considering the marks as a whole, the concurrent use of the two marks on the goods of the parties would not be likely to cause confusion in trade or deceive purchasers.

For the reasons stated, the decision of the Commissioner of Patents is affirmed.

AFFIRMED.

BLAND, J. (dissenting):

The majority hold that "Lan.o.Sheen" may be registered over the opposition based upon "Lustersheen" for goods of the same descriptive properties.

The result is brought about by a species of fallacious reasoning which I have objected to ever since it first appeared in the decisions of this court.

It was, in substance, said early, and I need not cite the authorities, that we should determine the dominant feature of a mark and compare that fea-

ture with the dominant feature of an opposed mark in determining the question of similarity and that in doing so we must ignore that portion of the mark which is descriptive because that portion could not aid in indicating origin.

It is proper to point out the dominant portion of a mark where it is a composite mark like the mark "Air Chief" in *Firestone Tire & Rubber Co. v. Montgomery Ward & Co., Inc.*, 32 CCPA 1074, 150 F.2d 439, 66 USPQ 111, 580 O. G. 3, where a word is surrounded by certain characters, because the goods will be known by a certain name. In the instant case the goods will be known as "Lustersheen."

While at times it is entirely proper and helpful to dissect a composite mark for the purpose of ascertaining the similarity or likelihood of confusion, it is an unwarranted thing to do in cases involving a single-word or a compound-word mark, as is done in the case at bar, even though a portion of it is descriptive. It violates the rule against dissecting marks and it leads to incongruous results. This does not mean that in deciding the question of similarity or the likelihood of confusion we may not consider the nature of the different portions of a single-word or compound-word mark and give one portion of the mark more weight than another, but when we have done so we must look to both marks in their entirety.

I pointed out in various dissenting and concurring opinions that often the portions of a word mark were all descriptive and under the holdings of the court there could be no dominant portion and therefore there would be no room for the application of the rule. A good example is "Coca-Cola." Both words are good English words and both are descriptive, yet the mark is a good one.

In the instant case the court, pursuing the fallacious reasoning which has brought us to a final climax of holding that "Lustersheen" and "Lan.o.Sheen" are not similar, holds that "sheen" is descriptive in both marks and must be ignored and that there is no confusing similarity between "Lan.o." and "Luster." I maintain that this is dissecting the marks in such a way as to do away completely with the consideration of marks as a whole. If I understand the decision correctly, it holds that "sheen" is descriptive. It does not say anything about "luster" being descriptive, but "luster" and "sheen" are synonyms. If "sheen" is descriptive, so is "luster," therefore there can be no dominant portion of the mark "Lustersheen" with which to compare "Lan.o.Sheen."

But assuming that "sheen" is descriptive and that "Lan.o." and "Luster" are not, it seems too obvious for extended contention that since both prefixes begin with "L" and both have the word "sheen" it follows that confusion will be more than likely to result.

I do not believe that "Lustersheen" is descriptive of the goods. One would not say "luster cloth" or "sheen cloth" in referring to cloth cleaned by the products of the respective parties. It suggests to me that the owners of the mark "Lustersheen" wish to call attention to the fact that the appearance of the

cloth is to be noted to see if it is sheeny or lustrous. But indubitably the adding of the words "luster" and "sheen" together and making a single trademark of the two words does not make the whole mark descriptive. The mark seems to me to be quite arbitrary.

Over the radio in advertising the respective products, it would be difficult for one to distinguish between "Lan.o.Sheen" and "Lustersheen."

The majority opinion properly points out that the registered mark (and "Lustersheen" is a registered mark), cannot be attacked on the ground that it is merely descriptive, citing *Revere Sugar Refinery v. Joseph G. Salvato*, 18 CCPA (Patents) 1121, 48 F.2d 400, USPQ 547, 409 O. G. 562. Notwithstanding this fact, the holding here can be nothing more than a holding that each portion of the mark of appellant is descriptive and therefore the whole mark is descriptive and consequently invalid. The fact that the majority arrive at this conclusion under the guise of comparing different portions of the mark rather than the mark as a whole does not change the situation.

On this phase of the case, I have been unable to harmonize the unanimous holding of the court in *National NuGrape Company v. Judge & Dolph, Ltd.*, 33 CCPA (Patents) 1032, 154 F.2d 521, 69 USPQ 388, 588 O. G. 10, with the holding in the instant case. I quote a portion of the syllabus:

"So." above disclaimed "Grape" is confusingly similar to "NuGrape" above disclaimed "A Flavor You Can't Forget"; descriptive word cannot constitute dominant part of mark, so descriptive "Grape" by itself cannot indicate origin, but prefaces "So." and "Nu," while unlike in sound, meaning and appearance, considering marks as whole, are confusingly similar. [Italics mine.]

Both portions of "So-Grape" are descriptive, and "So." and "Nu" are so different that if the rule applied in the instant case had been applied in that case we would have had to hold that there was no likelihood of confusion, but we held to the contrary.

We did so when we examined the trade-marks as a whole, after saying that "So." and "Nu" are unlike in sound, meaning and appearance.

I again want to point out that the majority could not find the dominant portion of "Lustersheen" to compare with the dominant portion of "Lan.o.Sheen" because this court, in recent years, over my objections, has quite often held that a descriptive term cannot be the dominant portion of a mark. So now we have a case where an alleged dominant portion, "Lan.o." is compared with a trade-mark that has no dominant portion because, as before stated, if "sheen" is descriptive "luster" is also, since they are synonyms.

The holding that the term "Lan.o." is the dominant feature of the mark, to my way of thinking, is erroneous. Who will ever remember the appellee's goods because of the term "Lan.o."? They will be remembered because they are called "Lan.o.Sheen" and it is erroneous to dissect the marks in the manner of the majority and bring about a conclusion wholly unwarranted under the Trade-Mark Act of 1905.

In the case of *Standard Oil Company of New Jersey v. The Alden Speare's Sons Co.* (Patent Appeal No. 5295), handed down concurrently herewith, the mark "KUTKON" is a composite mark—an arrow extends entirely across the printed word—and it was properly held by the tribunals below that the word "KUTKON" was the dominant portion of the mark. But this court did not hold that "kon" was the dominant portion of the mark, which it does as respects "Lan.o." in the instant case by implying, if not saying, that "Luster" is the dominant portion of the mark with which to compare "Lan.o."

In any event, when questions of this kind occur, we should follow the rule of resolving doubts against the newcomer.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,894,262. [See 2,083,811.]

1,927,806, C. D. Ryan, Device for moistening gummed surfaces; 1,988,086, J. Q. Finrock, Power plant; 1,955,068, G. Hiller, Stripper and feeder for postal machines, D. C., S. D. N. Y., Doc. 9/60, *Pitney-Bowes Postage Meter Co. et al. v. National Postal Meter Co.* Stipulation and order dismissing complaint and counterclaim (notice Dec. 4, 1947).

1,955,066. (See 1,927,806.) 1,988,036. (See 1,927,806.) 2,052,221, W. J. Dubill, Method of preparing fresh meat, filed Oct. 7, 1947, D. C. Minn. (Minneapolis), Doc. 2596, *U. S. Frozen Foods, Inc., et al. v. G. E. Swift.*

2,056,165, Bronaugh & Potter, Refrigerator, D. C., N. D. Ill., E. Div., Doc. 436743, *Refrigeration Patents Corp. v. Stewart-Warner Corp.* Judgment vacated, claims 10, 11, 12, 14, 16, and 18 held invalid, complaint dismissed Dec. 1, 1947.

2,056,462, A. M. Howald, Manufacture of molded articles from urea and formaldehyde, D. C., S. D. N. Y., Doc. 28/395, *Libbey-Owens-Ford Glass Co. v. American Viscose*

Corp. Order dismissing complaint on ground of non-infringement with prejudice, but only so far as relates to process and product, Dec. 6, 1947.

2,081,060, P. Modigliani, Process for the mechanical production of glass felt, filed Dec. 2, 1947, D. C., E. D. N. Y., Doc. 8731, *Modigliani Glass Fibers, Inc., et al. v. The Glasfloss Mfg. Co., Inc.*

2,083,811. (See Re. 20,406.)

2,083,811, Re. 20,406 (of 1,894,262), A. M. Bank, Upholstery construction, filed Nov. 28, 1947, D. C., E. D. N. Y., Doc. 8721, *Super Sagless Spring Corp. et al. v. Harvey Prodder, Inc.*

2,143,616, G. G. Adler, Column; 2,233,089, same, Beam construction, filed Nov. 28, 1947, D. C., S. D. Fla. (Miami), Doc. 2282, *Uanel Blocks, Inc., v. R. L. Smith.*

2,171,712, T. I. Potter, Household refrigerator; 2,258,950, same, Refrigerator, D. C., N. D. Ill., E. Div., Doc. 436744, *Potter Refrigerator Corp. v. Stewart-Warner Corp.* Judgment vacated in part; claim 8 of 2,171,712 held invalid, complaint dismissed Dec. 1, 1947.

2,207,322, R. L. Long, Hanger for sliding doors, D. C., S. D. Calif. (Los Angeles), Doc. 7701-PH, *R. L. Long v. Deats Sash & Door Co. et al.* "Decree" Dec. 3, 1947.

2,220,237, J. E. Hall, Well cleaner, filed Dec. 4, 1947, D. C., S. D. Tex. (Houston), Doc. 3071, *J. E. Hall v. B. & W., Inc., et al.*

2,233,089. (See 2,143,616.)

2,238,650, W. G. Reynolds, Fiber drawing mechanism and process, appeal filed Dec. 2, 1947, C. C. A., 4th Cir., Doc. 5697, *W. G. Reynolds et al. v. Whittin Machine Works.*

2,258,959. (See 2,171,712.)

2,302,150, 2,302,151, Sloan & Russell, Vacuum breaker, filed Dec. 2, 1947, D. C. Conn. (New Haven), Doc. 2233, *Sloan Valve Co. v. Bridgeport Brass Co.* Same, D. C., S. D. N. Y., Doc. 44/227, *Sloan Valve Co. v. Kenney Specialty Co., Inc.*

2,302,151. (See 2,302,150.)

2,324,241, A. O. Schoeninger, Basket weave bracelet, filed Nov. 25, 1947, D. C., S. D. N. Y., Doc. 44/163, *Forstner Chain Corp. v. Bristol Watch Co., Inc.*

2,390,941, F. D. Jones, Method and compositions for killing weeds, D. C., S. D. N. Y., Doc. 36/322, *American Chemical Paint Co. v. The Dow Chemical Co.* Stipulation and order dismissing complaint (notice Dec. 10, 1947).

2,411,462, H. M. Plehn, Brassière and method of making same, D. C., S. D. N. Y., Doc. 44/78, *Peter Pan Foundations, Inc., v. Belle Smith Brassiere Co.* Consent judgment favor plaintiff, sustaining patent, adjudging infringement and granting injunction (notice Dec. 4, 1947).

2,429,581, H. D. Maitlen, Cleaning rod for welding torches, filed Dec. 4, 1947, D. C. Calif. (Los Angeles), Doc. 7820-PH, *Maitlen & Benson, Inc., v. Thermacote Co. et al.*

Re. 20,406. (See 2,083,811.)

Re. 20,406, 2,083,811, A. M. Bank, Upholstery construction, filed Nov. 25, 1947, D. C., S. D. N. Y., Doc. 44/164, *Super Sagless Spring Corp. et al. v. Anka Webb Spring Co. et al.*

Des. 117,072, C. E. Morley, Combined rear view mirror and support therefor, filed Dec. 9, 1947, D. C., E. D. Mich., S. Div., Doc. 7043, *C. E. Morley et al. v. Boyer's Haunted Shacks et al.*

Des. 147,763, A. Philippe, Bracelet, filed Nov. 28, 1947, D. C., S. D. N. Y., Doc. 44/182, *Trifari, Krussman & Fishel, Inc., v. Dor-Ard Jewelry Co., Inc.*

T. M. 209,840, Pacific Wire Rope Co., Wire rope and guy strand, D. C. Colo. (Denver), Doc. 2247, *Pacific Wire Rope Co. v. The Colorado Fuel & Iron Corp.* Dismissed upon stipulation without prejudice Nov. 5, 1947.

T. M. 355,158, Life Savers Corp., Candy, filed Dec. 10, 1947, D. C., N. D. Ill., E. Div., 47c1770, *Life Savers Corp. v. The Curtiss Candy Co.*

NOTICES

Public Laws 690 and 220, Denmark

The Danish Government has advised the Department of State that citizens of the United States are granted extensions of the right of priority and extensions of times for performing other acts in connection with patents and patent applications, according to several laws and decrees of Denmark.

The United States Patent Office applies and will apply sections 1 and 3 of Public Law 690 as extended by Public Law 220 to citizens of Denmark.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 19, 1947.

Cancellation Notices

Herman J. Hirsch, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John D. Hamilton, 617 East 26th St., Tacoma, Wash., to effect the cancellation of trade-mark registration of Herman J. Hirsch, 288 East Water St., Milwaukee, Wis., No. 270,984, dated May 20, 1930, and the notice of such proceeding sent by registered mail to the said Hirsch at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hirsch, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.
December 18, 1947.

Griet & Cia, their assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Julius Guckenhimer, 475 Fifth Ave., New York, N. Y., to effect the cancellation of trade-mark registration of Griet & Cia, calle Girardot 1636, Buenos Aires, Argentina, No. 427,611, dated February 11, 1947, and the Patent Office having been unable to obtain service upon the said Griet & Cia, notice is hereby given that unless the said Griet & Cia, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 19, 1947.

Interference Notice

Products, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Berkeley Wood Products Co., 2238 San Pablo Ave., Berkeley, Calif., for registration of a trade-mark and trade-mark registered June 24, 1941, No. 388,399, to Products, Inc., 612 Denver Theatre Building, Denver, Colo., and the notice of such declaration sent by registered mail to the said Products, Inc. at the said address having been returned by the post office undeliverable, notice is hereby given that unless Products, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.
December 18, 1947.

Disclaimers

2,144,057.—*Henning Hallstrom*, Braintree, Mass. PAPER FEEDING MACHINE. Patent dated Jan. 17, 1939. Disclaimer filed Dec. 24, 1947, by the assignee, *Deater Folder Company*.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 6, 9, 10, and 26 of said patent.

2,369,932.—*Harold P. Allen*, Mansfield, Ohio. PRESSURE COOKER. Patent dated Feb. 20, 1945. Disclaimer filed Dec. 13, 1947, by the assignee, *Westinghouse Electric Corporation*.

Hereby enters this disclaimer to claims 1 to 5 inclusive and claim 7 of said patent.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,304,827, J. W. Jewell, Transfer of solid material between zones of different pressures, decided May 6, 1947, claims 1, 4, 5, and 6.

Pat. 2,398,499, A. V. Haefl, Electron discharge device, decided Dec. 26, 1947, claims 1, 4, and 7.

Pat. 2,399,223, A. V. Haefl, Electron discharge device, decided Dec. 26, 1947, claims 1, 5, 12, 41, 44, and 45.

Pat. 2,411,282, C. A. Mann, Fluid operated motor, decided Dec. 22, 1947, claim 10.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget.)

Pat. 2,326,199. DOUBLE ACTION SAFETY SWITCH. Patented Aug. 10, 1943. Reg. No. 9,021.

Pat. 2,428,196. CIRCUIT CONTROL SYSTEM. Patented Sept. 30, 1947. Reg. No. 9,022.

These two patents provide a control system for an electric circuit, particularly a motor vehicle circuit. The system will function to automatically protect the electrical equipment in the event of a short circuit, excessive generator voltage, blown-out fuse, etc., and at the same time insofar as possible maintain a maximum amount of electrical equipment in operation. In the system two fuses connect the generator respectively with the battery and load. A magnet-operated circuit breaker with two pairs of contacts has a coil connected across the outside terminals of the fuses and a second coil connected across the terminals of the generator. One pair of contacts is connected in series with the load to break the circuit through the load and the other pair is connected in series with the field to break the circuit through the field of the generator. The circuit breaker is constructed and arranged to break the circuit through the load before the circuit through the field is broken. (Co-owner) J. H. Bretthauer, 2754 Mickle Ave., Bronx, N. Y. Groups 36—19; 38—31.

Pat. 2,146,640. DISPENSING DEVICE. Patented Feb. 7, 1939. A device for holding a supply of cylindrical objects, such as toothpicks, cigarettes, and pencils, and dispensing one article at a time. The dispenser is actuated by depressing any one of a plurality of vertical rods. Lower ends of the rods are pivotally connected to opposite sides of a bottom plate, which is pivotally supported at its center. This plate is connected to an upper slotted dispensing plate by a pair of upwardly extending opposed arms. When a rod is depressed, the bottom plate will pivot downwardly to cause the arms to slide the slotted plate horizontally over an opening permitting an article to drop from the slot into a finger recess in the side of the dispenser. The dispenser may be adapted for coin control if desired. (Co-owners) Vincenzo Mancini and John J. Miele. Address correspondence to Joseph F. Padlon, 120 Broadway, New York 5, N. Y. Groups 33—73; 35—73. Reg. No. 9,023.

Pat. 2,232,250. SPIGOT. Patented Feb. 18, 1941. Spigot designed for use with a gage is adapted to be connected to a tank or the like in which the contents are

subject to inspection. The spigot has a main passageway and a bypass controlled by an intermediate hollow rotatable valve member which is divided into two chambers with ports in each chamber. A gage communicates with one of the chambers. A lateral handle for rotating the valve member has an opening adapted to register with either of two openings in a lateral flange on the body of the spigot so that the spigot may be locked with a padlock and sealed when the handle is in either of two positions. When locked in one position liquid will flow into the gage but there is no flow through the spout. In the other locked position there is no flow into the gage or out of the spout. When the handle is turned to another position liquid in the gage will drain into the spout, thereby emptying the gage without removing it. When the spigot is locked and sealed it is rendered tamperproof by a cooperating tongue and groove which prevents axial displacement of the hollow valve member. (Co-owners) Vincenzo Mancini and John J. Miele. Address correspondence to Joseph F. Padlon, 120 Broadway, New York 5, N. Y. Groups 25—99; 31—61. Reg. No. 9,024.

Pat. 2,203,175. PISTON EXPANDING TOOL. Patented June 4, 1940. A tool for expanding and reconditioning worn pistons. An expander plate has pivotally mounted expansible pairs of links with obliquely arranged cam faces. The plate carries piston expanding bars arranged in pairs one above another. Threaded adjusting elements are arranged in a stem provided with an operating handle and selectively operate the piston expanding links and bars to engage the interior wall of the piston skirt at different points. The links straddle the wrist pin when the tool is locked in position in the piston during the expanding process. (Owner) Sheffield F. Oliver, 436 Linden Ave., Auburn, Calif. Groups 35—43; 36—41. Reg. No. 9,025.

Pat. 2,427,807. SITZ BATH. Patented Sept. 23, 1947. A portable sitz bath. An ovate basin is supported substantially flush with top of a toilet seat by laterally extended wings. Spillways are provided in front and back portions of the rim to prevent overflowing. (Owner) Sheffield F. Oliver, 436 Linden Ave., Auburn, Calif. Groups 25—99; 34—41—99. Reg. No. 9,026.

Pat. 2,429,167. CIGARETTE HOLDER. Patented Oct. 14, 1947. Holder for attaching to an ash tray, designed to permit a lighted cigar or cigarette to continue to burn but to prevent it from falling from the holder. A cigarette-supporting frame has a longitudinal rotatable bar which carries a plurality of counter-weighted upwardly curved fingers bent inwardly at their ends. A cigarette is supported at a number of spaced points when placed on the holder. The curved fingers under the influence of a counterweight are permitted to pivot upwardly so that their bent ends will overlie and lightly engage the upper side of the cigarette. The counterweight is lifted upwardly to pivot the fingers downwardly to permit a cigarette to be placed on or removed from the holder. (Owner) Paul C. Overmire, % Law Offices, J. E. Trabucco, 550 Russ Bldg., San Francisco 4, Calif. Group 39—96. Reg. No. 9,027.

Pat. 2,420,403. ELECTRODEPOSITION OF IRON. Patented May 13, 1947. This patent provides an electrolytic bath by means of which fine-grained iron deposits may be obtained by passing an electric current through a ferrous chloride solution to which manganous chloride or manganous sulphate has been added as a catalytic refining agent. The catalytic agent comprises at least one-tenth and not more than 20 grams per liter to a bath containing about 300 grams of ferrous chloride. The temperature of the bath is maintained between 160—220° F.; the pH value between 1 and 3. Inventor states the deposit obtained is smooth, strong, and ductile and does not require the later heat treatment necessary with previous processes. (Owner) The Champion Paper and Fibre Co., Hamilton, Ohio. Groups 28—88; 33; 34—72. Reg. No. 9,028.

Pat. 2,428,826. COIL AND SUPPORT CONSTRUCTION. Patented Oct. 14, 1947. An electric coil support or bobbin for small coils with rectangular core sections, such as used in microphones. The bobbin is formed of interlocking insulating parts stamped from flat stock. Slots are so placed that when assembled, the parts lock in place, being rigidly held after wire has been wound on the bobbin to form a coil. Miniature coils may be constructed with great uniformity, a result not always possible with molded bobbins. (Owner) Shure Brothers, Inc., 225 West Huron St., Chicago 10, Ill. Group 36—61. Reg. No. 9,029.

Pat. 2,043,284. PRODUCTION OF CHLORINE DIOXIDE. Patented June 9, 1936. This patent refers to a convenient and economical method of producing chlorine dioxide. Chlorine dioxide is obtained by the reaction of chlorine gas passed through a watery solution of sodium chlorite. The chlorine supplied to the reaction is diluted with air or nitrogen so that the chlorine dioxide obtained is in a substantially dilute form which may be used in such operations as the bleaching of flour, etc. (Owner) The Mathieson Alkali Works, Inc., 60 East 42nd St., New York 17, N. Y. Group 28—89. Reg. No. 9,030.

Pat. 2,428,994. SLED ATTACHMENT FOR BABY CARRIAGES. Patented Oct. 14, 1947. Standard four-wheel baby carriage is equipped with a pair of sleigh runners which may be retracted or extended so that the carriage may be wheeled in the usual way or operated as a sleigh. Each runner is pivoted to the lower ends of a pair of spaced vertical brace arms with the top of the arms pivoted to the axles of the carriage. The ends of the runners are connected by a front and rear cross rod. An inverted U-shaped auxiliary handle has its lower ends pivoted to the rear cross rod. The auxiliary handle is pulled upward to retract the runners and pushed downward to extend them. A pair of pins near the top of the auxiliary handle are adapted to fit into holes in the carriage handle

to hold the runners in either position. (Owner) Jesse J. Rogers, 432½ East Second St., Duluth, Minn. Group 39—43. Reg. No. 9,031.

Pat. 2,412,831. PENDULUM VERTICAL ANGLE MEASURING INSTRUMENT. Patented Dec. 17, 1946. An observation instrument for determining the altitude angle of a celestial body by reference to a perpendicular established by a gravitational pendulum. It is substantially similar to a sextant, octant, or quadrant. The instrument includes a frame comprising an arc bar having degrees marked thereon, and a handle; a telescope adjustably supported on the frame; a gravitational pendulum pivoted to the frame for establishing a perpendicular; and signal means controlled by relative angular relation of the pendulum and frame for indicating the proper horizontal position of the frame relative to the perpendicular established by the pendulum whereby the angle indicated on the arc will be the observed altitude of the celestial body at the observer's height of eye. The celestial body is observed directly in the eyepiece rather than in an index or horizon mirror. Colored glass filters are mounted along the body of the telescope, each having an operating knob. (Owner) Roy A. Owens, 3212 Springview Ave., Dallas 16, Tex. Group 39—13. Reg. No. 9,032.

Pat. 2,428,188. LEVER PLOW. Patented Sept. 30, 1947. A hand-operated lever plow has an adjustable ground contacting wheel at front end of frame rotatably mounted on a stub-shaft. The forward movement is accomplished by working the handle bars up and down. An adjustable stop between the handles penetrates the ground to give anchorage while plowshare is forced through the ground. The leverage of the plow may be adjusted so that the plowshare can be moved varying distances with the same amount of movement of the handles. It may also be adjusted to suit the strength of the operator. (Owner) Joseph Williams, 217 Milbrea Ave., Santa Rosa, Calif. Group 35—22. Reg. No. 9,033.

Pat. 2,405,690. GAME REGISTER. Patented Aug. 13, 1946. This device, which may be designed to resemble a watch, is used to register and indicate the score of the respective sides during a tennis game as well as the number of games won by each. Two pairs of dials are adapted to be individually rotated by turning a common stem in desired direction to expose game-indicating letters and numerals on the dials through openings in the face of the device. One pair of dials may be operated with the stem in its normal position. After completion of a game the stem is pulled outwardly to permit springs to return this pair of dials to their starting position. While the stem is in its outward position, the second pair of dials may be operated. Thumb pieces on opposite sides of the device may be depressed to reset either of the first pair of dials when this becomes necessary during a game. (Owner) Arthur W. Dew, 1900 West Broad St., Richmond 20, Va. Groups 25—65; 39—49. Reg. No. 9,034.

Pat. 2,429,014. AUTO JACK. Patented Oct. 14, 1947. This invention relates to lifting devices for use in connection with vehicles and like loads. The principle of operation resides in a novel pneumatic feature produced by chemical reaction. The jack is provided with a liquid-retaining cavity having valve structure associated therewith to permit portions of liquid to be fed to a gas chamber in the body of the jack, the body also being provided with an opening to permit introducing thereto a chemical cartridge which in its reaction with the liquid will create sufficient gas pressure to lift a load supported on the jack. A second feature of the invention is the grad-

ual lowering of the raised load by slow exhaust of the generated gas; or by connection of the exhaust through a hose the exhausted gas may be utilized to inflate the pneumatic tires of the vehicles. The device may also be used to inflate tires independently of its use to raise or lower vehicles. (Owner) Robert C. Christopher, 2132 North Campbell Ave., Chicago, Ill. Group 33—52. Reg. No. 9,035.

Pat. 1,962,818. SUN SHIELD FOR THE NOSE. Patented June 12, 1934. A nose sun shield may be readily attached to or detached from spectacles. The shield, which is preferably arcuate in cross section and wider at one end than the other, has a pair of spaced hook-shaped spring clamps at its narrower end for pivotally suspending it from the bridge of spectacles. It may be made of any light-weight material, such as Celluloid, or comprise a frame covered with some suitable material. (Owner) Willis J. Physloc, Overhill Rd., Stamford, Conn. Group 39—49—81. Reg. No. 9,036.

Pat. 2,420,806. PUMP. Patented May 20, 1947. Hydraulic pump is provided with a rotor having a plurality of radial cylinders and floating pistons with a thrust roller on the outer end of each piston. A rotatable cup-shaped thrust member has a cylindrical bore which surrounds the rotor. During rotation of the rotor centrifugal force urges the pistons outwardly so that the rollers frictionally engage the wall of the bore of the thrust member. Such frictional contact rotates the thrust member. The thrust member may be adjusted to various angular positions so that its bore will present different elliptical paths for the rollers to vary the strokes of the pistons whereby pump delivery may be varied from zero to maximum. Valve means are provided for controlling and reversing the direction of flow through the pump. Each piston performs two pumping cycles during a single revolution of the rotor. Objectionable side thrusts on the pistons are eliminated and radial thrusts on the rotor and its supporting elements are effectively counteracted. With the pump operating at constant speed, pump delivery may be varied and the direction of flow reversed without producing hydraulic shocks to either the pump or the system to which it may be connected. (Owner) Carl E. Anderson, 50 Milford Ave., Newark, N. J. Group 35—61. Reg. No. 9,037.

Pat. 2,389,574. UTILITY CART. Patented Nov. 20, 1945. A three-wheel cart has a removable inclined basket. A rearwardly extending central tubular member of the frame has its front end connected to the center of an axle (for two of the wheels) and its rear end bent back upon itself to define a loop handle for the cart. Forwardly of the loop the free end of this member terminates in an upright projection which forms a hanger for a swinging gravity

latch. A pair of side braces support the third wheel rearwardly of the axle below the tubular member. The forward ends of the braces are bent to form hooks which overlie the front end of a base plate of the basket, and the swinging latch overlies the opposite end of the base plate. (Owner) Dean Field, 3206 Lemmon Ave., Dallas, Tex. Groups 33—73; 34—99. Reg. No. 9,038.

Pat. 2,425,527. DISAPPEARING HANGER HOOK. Patented Aug. 12, 1947. The hanger has a body portion with hinged side wings which fold against opposite sides of the body to form a compact parcel. A concealed top hook is vertically slidable into and out of a cavity in the body portion. Necktie holders are provided on the bottom edge of the body portion. The hinges and necktie holders are glued to the hanger. The hanger is symmetrically curved and devoid of any sharp edges or projections. (Owner) Orlando A. Gaudino, 247 Wainwright Ave., Mount Oliver 27, Pittsburgh, Pa. Groups 25—99; 39—81. Reg. No. 9,039.

Pat. 2,389,788. TRAVELING CASE. Patented Nov. 27, 1945. The case comprises two complete elements, one a box having separate compartments and a hinged cover, and the other an accessory comprising two hingedly connected panels with a mirror in at least one of the panels. The accessory may be associated in interfitting relationship with the box, or readily separated and set up in self-supporting fashion for use as a mirror. The panels may be covered with ornamental leather, an intermediate portion of the leather forming the hinge connection. This connection is long enough to fit over the back wall of the box so that the panels will overlie and underlie the top and bottom of the box, fitting snugly between the side walls, which extend above and below the front and back walls. A short strap holds the box and accessory in interfitting relationship, with cooperating snap fasteners provided on the box, panels, and strap. (Owner) Harvey Lathrop. Address correspondence to Frederick Breitenfeld, 521 Fifth Ave., New York 17, N. Y. Groups 25—99; 31—61. Reg. No. 9,040.

Correction

Pat. 2,422,755. SAFETY DRILL. Patented June 24, 1947. This device is a slidable safety cap for covering a switch to prevent it from being accidentally turned on. The cap is readily movable to and from a blocking and nonblocking position. A spring normally holds it in its blocking position. The cap is open at its sides, and one end is provided with lateral flanges which slidably interfit channels in a pair of spaced rails secured to the drill. (Owner) John Strother, Apt. 52, 1864 Seventh Ave., New York 26, N. Y. Group 35—42. Reg. No. 8,898.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 20, 1948

[VOL. 606. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 504,923. NATIONAL WAX COMPANY, Chicago, Ill. Filed July 1, 1946.

PAXWAX

FOR COMPOUNDED PETROLEUM WAX SUITABLE FOR USE AS A PRESERVATIVE COATING FOR FOOD PRODUCTS OR FOOD PACKAGING MATERIAL AND FOR USE IN WATERPROOFING FABRICS AND PAPER. Claims use since May 28, 1945.

Ser. No. 514,369. THE J. CHAS. MCCULLOUGH SEED COMPANY, Cincinnati, Ohio. Filed Dec. 16, 1946.

WOODLAND SHADE

The word "Shade" is disclaimed.
FOR LAWN SEED.
Claims use since 1942.

Ser. No. 517,885. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 18, 1947.

ADVARESIN

FOR SYNTHETIC RESINS SOLD TO THE PAINT, VARNISH, AND RUBBER INDUSTRIES.
Claims use since July 15, 1945.

Ser. No. 518,873. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 12, 1947.

CELPRON

FOR SHEETS, FILMS, FOILS, RODS, TUBES, POWDERS, CHIPS, SLABS, BLANKS, AND THE LIKE, CAPABLE OF BEING MOLDED UNDER HEAT AND/OR PRESSURE OR OTHERWISE FABRICATED AND MADE IN WHOLE OR IN PART OF A CELLULOSIC PLASTIC.

Claims use since about Mar. 5, 1947.
606 O. G.—25

Ser. No. 522,932. R. J. WIDEN COMPANY, North Adams, Mass. Filed May 23, 1947.

DUDEMOC

FOR LEATHER.
Claims use since Dec. 4, 1944.

Ser. No. 523,192. EMSIO MANUFACTURING COMPANY, New York, N. Y. Filed May 28, 1947.

PERMALOID

FOR MOULDING POWDER AND MOULDING PLASTIC.
Claims use since Mar. 15, 1939.

Ser. No. 524,182. GOTTESMAN & COMPANY INCORPORATED, New York, N. Y. Filed June 14, 1947.

PUROCELL

FOR WOOD PULP.
Claims use since Mar. 1, 1947.

Ser. No. 524,712. LOUIS MEYERS & SONS, INC., New York, N. Y. Filed June 24, 1947.

POLAVA

FOR LEATHERS—NAMELY, SHEEPSKIN AND LAMB-SKIN-FINISHED DOESKIN.
Claims use since May 24, 1935.

Ser. No. 524,792. AARON GLICKSMAN, doing business as A. Glicksman and Company, Chicago, Ill. Filed June 25, 1947.

Master Oak

The word "Oak" is disclaimed apart from the mark shown.

FOR LEATHER IN THE PIECE—NAMELY, BENDS AND STRIPS AND ON SQUARES AND BLOCKS CUT OUT OF SOLE LEATHER BENDS.

Claims use since Dec. 1, 1929.

Ser. No. 525,099. J. L. PEPPARD, Kansas City, Mo. Filed June 28, 1947.

16

FOR FIELD CORN SEED AND SWEET CORN SEED. Claims use since May 1, 1941.

Ser. No. 525,100. J. L. PEPPARD, Kansas City, Mo. Filed June 28, 1947.

AQ

FOR FIELD CORN SEED AND SWEET CORN SEED. Claims use since May 1, 1935.

CLASS 2 RECEPTACLES

Ser. No. 488,068. LIBETH ABARBANEL, doing business as Abarbanel, New York, N. Y. Filed Sept. 7, 1945.

MY OWN

FOR TOILET COMPACTS AND ROUGE BOXES MADE OF BASE METALS, PLASTIC MATERIALS, PAPER AND WOOD AND COMBINATIONS OF THE SAME SOLD IN TRADE WITHOUT COSMETICS.

Claims use since Aug. 27, 1945.

Ser. No. 515,769. KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed Jan. 15, 1947.

CHARGET

FOR SYPHON BOTTLES. Claims use since Dec. 27, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORT-FOLIOS, AND POCKETBOOKS

Ser. No. 497,938. G. R. KINNEY CO. INC., New York, N. Y. Filed Mar. 9, 1946.

Revette

FOR WOMEN'S HANDBAGS. Claims use since Feb. 20, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 498,995. JAQUET, INCORPORATED, New York, N. Y. Filed Mar. 26, 1946.

BLUE ISLE

FOR TOILET AND BATH SOAP. Claims use since Feb. 27, 1946.

Ser. No. 517,230. ARMSTRONG GROCERY COMPANY, Sharon, Pa. Filed Feb. 10, 1947.

Baby Rose

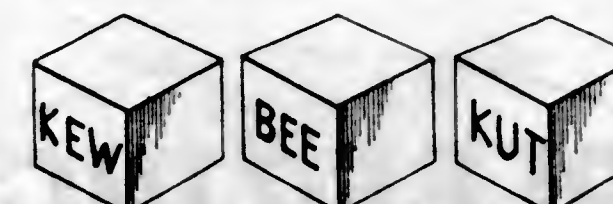
FOR SOAP. Claims use since 1946.

Ser. No. 519,481. MIDO PRODUCTS, Torrance, Calif. Filed Mar. 24, 1947.

mido

FOR CHEMICAL CLEANING COMPOUNDS FOR CLEANING FLOORS. Claims use since June 1, 1946.

Ser. No. 525,494. NATIONAL SAWDUST CO., INC., Brooklyn, N. Y. Filed July 1, 1947.



QUICK DRY

Applicant disclaims the words "Quick Dry" except in the relationship and association shown.

FOR GRANULAR MINERAL MATERIAL PRODUCT FOR ABSORBING OILS, GREASE, AND WATER FROM FLOORS.

Claims use since Jan. 25, 1945.

CLASS 5 ADHESIVES

Ser. No. 506,280. SETRAK K. BOYAJIAN, Worcester, Mass. Filed July 25, 1946.

PLASTIGLUE

FOR POWDERED AND LIQUID GLUE. Claims use since January 1939.

Ser. No. 514,900. H. B. FRED. KUHL, Brooklyn, N. Y. Filed Dec. 27, 1946.

PATCHLAST

FOR WATERPROOF CEMENT USED FOR PATCHING OF CANVAS COVERS, SAILS, AWNINGS, TENTS, AND ALL OTHER CLOTH AND CANVAS PRODUCTS. Claims use since October 1945.

CLASS 6 CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 482,920. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J. Filed May 3, 1945.

FITINA

FOR ORGANIC COMBINATION OF MINERALS FOR USE AS A GENERAL TONIC. Claims use since about Aug. 1, 1941.

Ser. No. 487,527. ETHEL D. SCHNEIDER, New York, N. Y. Filed Aug. 24, 1945.

ATOMICAGE

FOR LIPSTICKS, FACE POWDER, ROUGES, EYE SHADOW, AND MAKE-UP FOR THE FACE. Claims use since Aug. 14, 1945.

Ser. No. 488,590. WILLIAM H. HINDS, doing business as Hinds Laboratories, Hillsboro, Oreg. Filed Sept. 17, 1945.

Beauticillin

FOR VANISHING CREAM AND COLD CREAM. Claims use since Jan. 4, 1945, on cold cream; and since Aug. 25, 1945, on vanishing cream.

Ser. No. 492,902. CHARLES DE FLANDRE, New York, N. Y. Filed Dec. 8, 1945.



No claim is made to the outline representation of the label which is shown on the drawing. The drawing is lined for the colors red and gold.

FOR MEN'S TOILETRIES—NAMELY, AFTER SHAVING LOTION AND POWDER, HAIR TONIC, SHAMPOO, AND MEN'S COLOGNE. Claims use since July 6, 1945.

Ser. No. 498,450. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind., now by change of name Perfect Circle Corporation. Filed Mar. 18, 1946.

WINTR WATER

The word "Water" is disclaimed apart from the mark as shown.

FOR ANTI-FREEZE SOLUTION. Claims use since Feb. 20, 1946.

Ser. No. 502,174. HAROLD GORDON WISZKO, London, England. Filed May 15, 1946.

A. G. Ohberg

The name appearing in the drawing is a facsimile of the signature of the applicant.

FOR PINE ESSENCE FOR TOILET PURPOSES, AND MEDICATED PINE ESSENCE FOR USE IN THE RELIEF OF TIRED, ACHING AND RHEUMATIC CONDITIONS OF THE BODY.

Claims use since Jan. 1, 1937, as to pine essence for toilet purposes; and since Dec. 19, 1941, on medicated pine essence.

Ser. No. 507,980. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Aug. 24, 1946.

ANTARA 424

FOR CHEMICAL COMPOSITION USED AS A DISPERSING AGENT, A WETTING AGENT, OR A SOLVENT FOR ORGANIC CHEMICALS.

Claims use since July 18, 1946.

Ser. No. 510,566. LAURA B. PHILLIPS BROOKS, St. Louis, Mo. Filed Oct. 10, 1946.

MEXOLENE

FOR HAIR OIL, PRESSING OIL, AND HAIR TONIC. Claims use since 1914.

Ser. No. 510,877. Glyco Products Co. Inc., Brooklyn, N. Y. Filed Oct. 11, 1946.

GLYCOX

FOR EMULSIFYING AGENT AND WETTING AGENT WHICH EFFECTUATES THE DISPERSION OF WATER INSOLUBLE COMPOUNDS IN AQUEOUS MEDIA USED IN THE MANUFACTURE OF COSMETICS, TEXTILE PROCESSING AND FINISHING, PRODUCTION OF FOAMS, AND PREPARATION OF EMULSIONS OF BACTERICIDES, INSECTICIDES AND FUNGICIDES.

Claims use since Apr. 10, 1946.

Ser. No. 510,721. PLEE-ZING INC., Chicago, Ill. Filed Oct. 11, 1946.

PLEE-ZING

FOR ANT KILLER PREPARATION, INSECT KILLER PREPARATION, HAND CREAM, SHAMPOO, SKIN CLEANSING CREAM, DEODORANT, AFTER SHAVE LOTION, BAY RUM COMPOUND WITH ETHYL, ESSENCE OF PEPPERMINT, MIXTURE OF ALCOHOL AND LILAC OILS, KNOWN AS LILAC LOTION, MERBROMIN ANTISEPTIC, MEDICATED SKIN CREAM, LIGHT AND HEAVY LIQUID PETROLATUM, NAIL POLISH REMOVING PREPARATION, OLIVE OIL HAIR POMADE, QUININE HAIR LOTION, HAIR WAVE SETTING PREPARATION, OIL OF WINTERGREEN (METHYL SALICYLATE), AROMATIC SPIRITS OF AMMONIA, BRILLIANTINE, CAMPHORATED OIL, CITRATE OF MAGNESIA.

Claims use on ant killer preparation since June 9, 1943; on insect killer preparation since June 14, 1943; on hand cream since May 20, 1946; on skin cleansing cream since May 20, 1946; on deodorant since May 20, 1946; and since Sept. 10, 1946, on shampoo, after-shave lotion, bay rum compound with ethyl, essence of peppermint, mixture of alcohol and lilac oils, known as lilac lotion, merbromin antiseptic, medicated skin cream, liquid petroleum, nail polish removing preparation, olive oil, hair pomade, quinine hair lotion, hair wave setting preparation, oil of wintergreen (methyl salicylate), aromatic spirits of ammonia, brilliantine, camphorated oil, and citrate of magnesia.

Ser. No. 511,341. LINCOLN LABORATORIES, INCORPORATED, Decatur, Ill. Filed Oct. 23, 1946.

SOLVOLIN

FOR PENICILLIN VEHICLE CONTAINING SESAME OIL 8.8 CC. (APPROXIMATELY), BEESWAX, AN EMULSIFYING AGENT, AND CHLOROBUTANOL FOR INTRAMUSCULAR USE.

Claims use since Mar. 17, 1944.

Ser. No. 512,470. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., assignor to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. Filed Nov. 12, 1946.

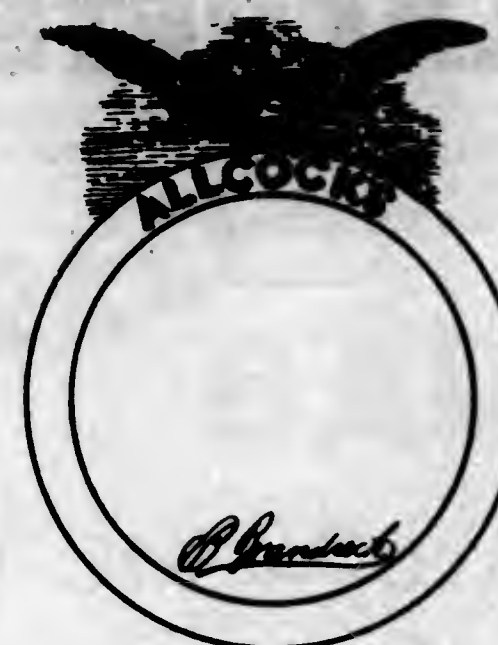
HEMOKIN

FOR ANALGESIC, ANTIPYRETIC, AND ANTIRHEUMATIC PREPARATION.

Claims use since Oct. 22, 1946.

Ser. No. 512,890. ALLCOCK MANUFACTURING Co., Ossining, N. Y. Filed Nov. 20, 1946. Under 10-year proviso.

Ser. No. 514,388. YOUNG AND YOUNG COMPANY, Detroit, Mich. Filed Dec. 15, 1946.



The facsimile signature "B. Brandreth" is that of Dr. Benjamin Brandreth, deceased, founder of the business of the applicant company.

FOR MEDICATED PLASTERS AND USED IN AND FOR THE TREATMENT AND MITIGATION OF MUSCULAR ACHES AND PAINS.

Claims use since 1842.

Ser. No. 512,990. RIDGEFIELD CHEMICAL PRODUCTS Co. Inc., Ridgefield, N. J. Filed Nov. 21, 1946.



The lining shown in the drawing indicates the color red. The word "Products" is disclaimed apart from the mark as shown.

FOR CHEMICAL PREPARATIONS FOR THE TREATMENT OF WATER IN BOILERS, TO SETTLE THE IMPURITIES IN THE WATER FOR EASIER REMOVAL THEREFROM AND TO PREVENT THE FORMATION OF SCALE AND SLUDGE IN THE BOILER; CHEMICAL PREPARATIONS FOR THE REMOVAL OF SOOT AND CHEMICAL PREPARATIONS FOR INDICATING pH OF BOILER WATER.

Claims use since June 27, 1945.

Ser. No. 514,266. BETTY GALOWIN, doing business as Galowin Toilettries, New York, N. Y. Filed Dec. 14, 1946.

Hormocreme

FOR COSMETIC CREAM. Claims use since Feb. 1, 1941.

—ANN BRÄ—



The portrait is the likeness of one of the members of the firm, viz. Annie B. Young.

FOR HAIR POMADES.

Claims use since Oct. 1, 1946.

Ser. No. 516,116. CUMBERLAND MFG. COMPANY, Nashville, Tenn. Filed Jan. 22, 1947.

SWAN

FOR MEDICINAL PREPARATIONS—NAMELY, HYDROGEN PEROXIDE, SPIRIT OF CAMPHOR, AROMATIC SPIRITS OF AMMONIA, SWEET SPIRITS OF NITRE, CAMPHORATED OIL, PURE GLYCERINE, ISOPROPYL ALCOHOL COMPOUND, MILK OF MAGNESIA, QUININE SULFATE, CASTOR OIL, AND MINERAL OIL. Claims use since 1900.

Ser. No. 516,402. LYDIA EMANUEL, New York, N. Y. Filed Jan. 27, 1947.

ALL OR NOTHING

FOR PERFUMES.

Claims use since Jan. 2, 1947.

Ser. No. 519,430. ATLANTIC PHARMACAL LABORATORIES INC., Concord, N. H., now by change of name Atlantic Biochemical Laboratories Inc. Filed Mar. 21, 1947.

PROLONAL

FOR SEDATIVE AND HYPNOTIC PREPARATION TO RELIEVE PAIN AND INDUCE SLEEP.

Claims use since Jan. 7, 1947.

Ser. No. 523,546. RUDOLPH A. SCHMUCKER, doing business as Lano Laboratory, New Ulm, Minn. Filed June 4, 1947.

Lano
BALM

The word "Balm" shown in the drawing is disclaimed apart from the mark.

FOR HAND LOTION.

Claims use since Feb. 15, 1943.

Ser. No. 525,169. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed June 28, 1947.

DEKAPINE

FOR DISINFECTANT.

Claims use since May 27, 1947.

Ser. No. 525,465. THE J. R. WATKINS COMPANY, Winona, Minn. Filed July 1, 1947. Under 10-year proviso.

PETRO-CARBO

FOR MEDICATED OINTMENT.
Claims use since 1890.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 506,944. DAVID E. KENNEDY, INC., Brooklyn, N. Y. Filed Aug. 6, 1946.

K De Luxe
KENTILE
Plastichrome Floor



The word "Floor" and the representation of the goods are disclaimed apart from the mark shown.

FOR FLOOR TILE.

Claims use since July 10, 1936, as to the word "Kentile"; and since May 30, 1946, as to the mark shown.

Ser. No. 513,285. ANDRESEN CORPORATION, Chicago, Ill. Filed Nov. 27, 1946.

BLACRETE

FOR MIXTURE OF AGGREGATE BONDED WITH ASPHALT USED FOR FLOORS, SURFACING, AND ROAD PAVING.

Claims use since Oct. 3, 1944.

Ser. No. 518,326. CECIL F. SCHAAF, Flint, Mich. Filed Feb. 28, 1947.



The word "Modern" is disclaimed apart from the mark as shown.

FOR BUILDING PANELS FORMED OF CEMENT AND COMPOSITIONS THEREOF.

Claims use since June 1, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 503,486. UNITED ASSOCIATION OF JOURNEYMEN PLUMBERS AND STEAMFITTERS OF THE UNITED STATES AND CANADA, Washington, D. C. Filed June 7, 1946. Under the act of February 20, 1905, as amended June 10, 1938.



The words which appear in the mark at the four corners of the representation of the pipe are "Education," "Protection," "Benevolence" and "Fidelity." No claim is made to the words "Fabricated," "Assembled," "Journemen," "Plumbers," "Steam Fitters," "Gas Fitters," "Steam Fitters Helpers," "U. S. A.," "United States," and "Canada," apart from the mark as shown. No claim is made to the representation of piping apart from the mark as shown.

FOR METALLIC OR NON-METALLIC PIPE FOR WATER, STEAM, OIL, GAS, AIR, SEWERAGE, VAPOR, CHEMICALS, LIQUIDS AND ALL OTHER METALLIC OR NON-METALLIC PIPE FOR DOMESTIC, MANUFACTURING AND INDUSTRIAL PURPOSES, ETC.

Claims use since May 1, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 508,014. GEORGE WEINSTEIN, doing business as Greenwood Paint Mfg. Co., Brooklyn, N. Y. Filed Aug. 24, 1946.



The word "Red" is disclaimed apart from the mark as shown.

FOR DRY AND READY-MIXED PAINTS, VARNISHES, LACQUERS, ENAMELS, CALCIMINE, SHELLACS, PAINT PIGMENTS, OIL STAINS, FLAT PAINT AND GLOSS PAINT.

Claims use since June 10, 1945.

Ser. No. 518,941. DI-MET PROPRIETARY LIMITED, West Melbourne, Australia. Filed Mar. 13, 1947.

ZINCERON

FOR PAINTS IN DRY AND PASTE FORM, AND LIQUID VEHICLES THEREFOR, FOR PROTECTION OF METALLIC SURFACES; PAINT PIGMENTS; AND PAINT ENAMELS.

Claims use since February 1939.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 500,330. CURTIS R. TOPPER, Meriden, Conn. Filed Apr. 16, 1946.

TOPPER
GRANDE

FOR CIGARS.

Claims use since the year 1896.

Ser. No. 521,279. R. C. OWEN COMPANY, Gallatin, Tenn. Filed Apr. 24, 1947.

SHEPHERD
TWIST

The word "Twist" is disclaimed apart from the mark as shown.

FOR CHEWING TOBACCO.

Claims use since January 1903.

Ser. No. 525,347. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

OPEN
BOOK

FOR CHEWING TOBACCO.

Claims use since about May 1920.

Ser. No. 525,349. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

POLAR

FOR CHEWING TOBACCO.

Claims use since 1899.

Ser. No. 525,354. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

HONEST

FOR CHEWING TOBACCO.

Claims use since June 1887.

Ser. No. 525,354. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

ROCKY FORD

The drawing is lined to represent the colors red and gold.

FOR CIGARS.

Claims use since about May 1901.

Ser. No. 523,546. RUDOLPH A. SCHMUCKER, doing business as Lano Laboratory, New Ulm, Minn. Filed June 4, 1947.

Lano BALM

The word "Balm" shown in the drawing is disclaimed apart from the mark.
FOR HAND LOTION.
Claims use since Feb. 15, 1943.

Ser. No. 525,169. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed June 28, 1947.

DEKAPINE

FOR DISINFECTANT.
Claims use since May 27, 1947.

Ser. No. 525,465. THE J. R. WATKINS COMPANY, Winona, Minn. Filed July 1, 1947. Under 10-year proviso.

PETRO-CARBO

FOR MEDICATED OINTMENT.
Claims use since 1890.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 506,944. DAVID E. KENNEDY, INC., Brooklyn, N. Y. Filed Aug. 6, 1946.

K^{De Luxe} KENTILE

Plastichrome Floor 

The word "Floor" and the representation of the goods are disclaimed apart from the mark shown.
FOR FLOOR TILE.
Claims use since July 10, 1936, as to the word "Kentile"; and since May 30, 1946, as to the mark shown.

Ser. No. 513,285. ANDRESEN CORPORATION, Chicago, Ill. Filed Nov. 27, 1946.

BLACRETE

FOR MIXTURE OF AGGREGATE BONDED WITH ASPHALT USED FOR FLOORS, SURFACING, AND ROAD PAVING.
Claims use since Oct. 3, 1944.

Ser. No. 518,326. CECIL F. SCHAAF, Flint, Mich. Filed Feb. 28, 1947.



The word "Modern" is disclaimed apart from the mark as shown.
FOR BUILDING PANELS FORMED OF CEMENT AND COMPOSITIONS THEREOF.
Claims use since June 1, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 503,486. UNITED ASSOCIATION OF JOURNEYMEN PLUMBERS AND STEAMFITTERS OF THE UNITED STATES AND CANADA, Washington, D. C. Filed June 7, 1946. Under the act of February 20, 1905, as amended June 10, 1938.



The words which appear in the mark at the four corners of the representation of the pipe are "Education," "Protection," "Benevolence" and "Fidelity." No claim is made to the words "Fabricated," "Assembled," "Journeymen," "Plumbers," "Steam Fitters," "Gas Fitters," "Steam Fitters Helpers," "U. S. A.," "United States," and "Canada," apart from the mark as shown. No claim is made to the representation of piping apart from the mark as shown.

FOR METALLIC OR NON-METALLIC PIPE FOR WATER, STEAM, OIL, GAS, AIR, SEWERAGE, VAPOR, CHEMICALS, LIQUIDS AND ALL OTHER METALLIC OR NON-METALLIC PIPE FOR DOMESTIC, MANUFACTURING AND INDUSTRIAL PURPOSES, ETC.
Claims use since May 1, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 508,014. GEORGE WEINSTEIN, doing business as Greenwood Paint Mfg. Co., Brooklyn, N. Y. Filed Aug. 24, 1946.



The word "Red" is disclaimed apart from the mark as shown.

FOR DRY AND READY-MIXED PAINTS, VARNISHES, LACQUERS, ENAMELS, CALCIMINE, SHELLS, LACS, PAINT PIGMENTS, OIL STAINS, FLAT PAINT AND GLOSS PAINT.
Claims use since June 10, 1945.

Ser. No. 518,941. DI-MET PROPRIETARY LIMITED, West Melbourne, Australia. Filed Mar. 13, 1947.

ZINCERON

FOR PAINTS IN DRY AND PASTE FORM, AND LIQUID VEHICLES THEREFOR, FOR PROTECTION OF METALLIC SURFACES; PAINT PIGMENTS; AND PAINT ENAMELS.
Claims use since February 1939.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 500,330. CURTIS R. TOPPER, Meriden, Conn. Filed Apr. 16, 1946.

TOPPER

GRANDE

FOR CIGARS.
Claims use since the year 1896.

Ser. No. 521,279. R. C. OWEN COMPANY, Gallatin, Tenn. Filed Apr. 24, 1947.

SHEPHERD TWIST

The word "Twist" is disclaimed apart from the mark as shown.
FOR CHEWING TOBACCO.
Claims use since January 1903.

Ser. No. 525,347. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

OPEN Book

FOR CHEWING TOBACCO.
Claims use since about May 1920.

Ser. No. 525,349. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

POLAR

FOR CHEWING TOBACCO.
Claims use since 1899.

Ser. No. 525,354. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

HONEST

FOR CHEWING TOBACCO.
Claims use since June 1887.

Ser. No. 525,354. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

ROCKY FORD

The drawing is lined to represent the colors red and gold.
FOR CIGARS.
Claims use since about May 1901.

Ser. No. 525,358. P. LORILLARD COMPANY, New York, N. Y.
Filed July 1, 1947.

TALLY-HO

FOR CIGARETTES.
Claims use since about 1885.

CLASS 19 VEHICLES

Ser. No. 499,391. CONTINENTAL AVIATION AND ENGINEERING CORPORATION, Detroit and Muskegon, Mich. Filed Apr. 1, 1946.



The word "Aviation" is hereby disclaimed apart from the mark as shown.
FOR AIRPLANE PROPELLERS AND PROPELLER HUBS AND PARTS THEREOF.
Claims use since Jan. 17, 1946.

Ser. No. 510,707. KROLL BROTHERS COMPANY, Chicago, Ill. Filed Oct. 11, 1946.

FLOAT-O-MATIC

FOR BABY CARRIAGES.
Claims use since Oct. 11, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 485,324. THE GEORGE W. BORG CORPORATION, Chicago, Ill., and Delavan, Wis. Filed July 2, 1945.



The outline representation of the label per se and all words except "Micropot" are disclaimed apart from the mark as shown.

FOR POTENTIOMETERS FOR USE IN PRODUCING VARIABLE ELECTRICAL POTENTIALS.
Claims use since May 25, 1945.

Ser. No. 486,576. GEORGE NEWTON HUGHES, doing business as National-Shok Fence Co., Vancouver, Wash. Filed Aug. 1, 1945.

NATIONAL

FOR ELECTRIC FENCE CONTROLLER FOR CONTROLLING THE ELECTRIC CURRENT SUPPLY TO FENCES AND/OR FENCE WIRES.
Claims use since Dec. 1, 1944.

Ser. No. 497,299. DICTAPHONE CORPORATION, Bridgeport, Conn. Filed Feb. 27, 1946.

DICTRONIC

FOR MICROPHONES AND LOUDSPEAKERS FOR USE WITH ELECTRICAL SOUND RECORDING AND REPRODUCING MACHINES.
Claims use since Jan. 18, 1946.

Ser. No. 500,277. BURGOT ALARMS LIMITED, New Barnet, England. Filed Apr. 16, 1946.

BURGOT

FOR BURGLAR AND FIRE ALARM SYSTEMS FOR BUILDINGS, COMPRISING A GRAMOPHONE OPERATIVELY CONNECTED WITH A TELEPHONE AND ASSOCIATED WITH MEANS FOR AUTOMATICALLY TRANSMITTING AN ALARM MESSAGE TO AN APPROPRIATE STATION.
Claims use since Oct. 26, 1934.

Ser. No. 511,706. THE TRUMBULL ELECTRIC MANUFACTURING Co., Plainville, Conn. Filed Oct. 29, 1946.



FOR BUS BAR ELECTRICAL DISTRIBUTION SYSTEM APPARATUS—NAMELY, BUS BARS, CONNECTORS, INSULATORS AND HOUSINGS FOR BUS BARS, HANGERS FOR HOUSINGS, JOINTS AND SECTIONS OF HOUSINGS, END BOXES, FEED-IN BOXES, FUSE BOXES, TAP BOXES, ELECTRIC SWITCHES, ELECTRIC NEUTRALIZERS, ELECTRIC CAPACITORS, BOXES FOR CONTAINING ELECTRIC NEUTRALIZERS AND ELECTRIC CAPACITORS, ELECTRIC TROLLEY APPARATUS AND ATTACHMENTS FOR THE BUS BARS AND HOUSINGS; ELECTRIC INDUSTRIAL HEATING OVENS AND PARTS THEREOF; ELECTRICALLY HEATED WATER WARMERS; MANUALLY OPERATED SWITCHES FOR STARTING, STOPPING AND CONTROLLING ELECTRIC MOTORS; MAGNETICALLY OPERATED SWITCHES FOR STARTING, STOPPING, REVERSING AND CONTROLLING ELECTRIC MOTORS AND PARTS THEREOF; AIR CIRCUIT BREAKERS; WIRE LUGS AND WIRE CONNECTORS.
Claims use since December 1927.

Ser. No. 514,963. HERBERT LEWIS, doing business as Lewis Electrical Manufacturing Company, New York, N. Y. Filed Dec. 28, 1946.

VARI-PLATER

Applicant claims no registration rights in the word "Plater" apart from the mark.

FOR INSTRUMENT FOR ELECTROPLATING USE FOR CONVERTING ALTERNATING CURRENT INTO DIRECT CURRENT AT HIGH AMPERAGE AND LOW VOLTAGE.
Claims use since Aug. 1, 1946.

Ser. No. 517,581. WILLIAM J. MISKELLA, doing business as The Miskella Infra-Red Company, Cleveland, Ohio. Filed Feb. 15, 1947.

VIBRA-VEYOR

FOR HEATING AND DRYING OVENS FOR HEATING AND DRYING GRANULAR MATERIAL AND THE LIKE AND INCORPORATING INFRARED LAMPS AS A SOURCE OF HEAT AND RADIANT ENERGY AND A VIBRATING TRAY ACROSS WHICH THE MATERIAL MAY BE PASSED.
Claims use since Nov. 12, 1943.

Ser. No. 518,047. SANIT-ALL PRODUCTS CORPORATION, Greenwich, Ohio. Filed Feb. 24, 1947.

Baby All

FOR COMBINATION ELECTRIC BABY FOOD COOKER, WARMER, DOUBLE BOILER AND SERVER, AND BABY BOTTLE STERILIZER AND WARMER.
Claims use since May 1940.

Ser. No. 524,521. WILLIAM F. BROER, JR., Los Angeles, Calif. Filed June 20, 1947.

FOG-EEZ

The word "Fog" is disclaimed apart from the mark.
FOR FILTERED OR COLORED LENS FOR ELECTRIC HEAD LAMPS TO MODIFY THE COLOR OF THE BEAM THEREFROM.
Claims use since May 28, 1947.

Ser. No. 524,579. SON-CHIEF ELECTRICS, INCORPORATED, Winsted, Conn. Filed June 20, 1947.

TOAST-O-MATIC

No claim is made to the word "Toast" apart from the mark.
FOR AUTOMATIC ELECTRIC TOASTERS.
Claims use since Jan. 1, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 493,818. PALMER SHOW CARD PAINT COMPANY, INC., Detroit, Mich., now by change of name G. E. Palmer Co., Inc. Filed Dec. 20, 1945.



The drawing is lined by intersecting horizontal and vertical section lines to indicate black; vertical section lines to indicate red coloring; and intersecting horizontal and vertical dash section lines to indicate yellow coloring, which colors constitute an essential feature of applicant's trade-mark. Applicant disclaims the outline of the label.
FOR TOY BUBBLE KITS CONSISTING OF A SOLUTION AND A DEVICE FOR MAKING BUBBLES.
Claims use since Sept. 1, 1945.

Ser. No. 497,711. GRAMERCY TOY CO., New York, N. Y.
Filed Mar. 6, 1946.

Soona Pup

SOONER PLAY THAN EAT

Applicant disclaims the descriptive words "Pup" and "Sooner Play Than Eat" separately from the mark as shown.

FOR STUFFED TOY DOGS.
Claims use since Mar. 2, 1946.

Ser. No. 507,852. TRI-STATE PLASTIC MOLDING COMPANY,
Henderson, Ky. Filed Aug. 13, 1946.

Tri-Tex

FOR PLASTIC BOUNCING PLAY BALLS.
Claims use since Mar. 1, 1946.

Ser. No. 510,553. LIA V. VARELL, New York, N. Y. Filed
Oct. 9, 1946.

Magiscope

FOR PANORAMA VIEWING BOX CONSTITUTING AN
EDUCATIONAL CONSTRUCTION TOY ASSEMBLED TO
FORM A VIEWER BOX HAVING A COLORED TRANS-
LUCENT SLIDING TOP AND CONTAINING THREE-
DIMENSIONAL SCENES VIEWED THROUGH AN END
APERTURE IN THE BOX WHICH SCENES AND COL-
ORED TRANSLUCENT SLIDING TOP MAY BE
CHANGED AT WILL.

Claims use since Sept. 25, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND
PARTS THEREOF

Ser. No. 482,003. THE MASTER ELECTRIC COMPANY, Day-
ton, Ohio. Filed Apr. 11, 1945.

MASTERDRIVE

FOR CLUTCHES OTHER THAN FOR USE IN CON-
NECTION WITH AUTOMOBILE DRIVE TRANSMIS-
SIONS.

Claims use since July 6, 1944.

Ser. No. 512,320. MARIO CARUSO, Newark, N. J., assignor
to C-8 Laboratories, Newark, N. J. Filed Nov. 9, 1946.



The representation of a cigarette is disclaimed apart
from the mark.
FOR ELECTRIC CIGARETTE VENDING MACHINES.
Claims use since June 1945.

Ser. No. 513,821. GLAZIERS' TOOL MFG. CORP., Chicago, Ill.
Filed Dec. 6, 1946.



FOR GLASS CUTTERS, GLASS CUTTER WHEELS,
PUTTY KNIVES, WOOD SCRAPERS, AND WALL
SCRAPERS.

Claims use since July 1924, as to "Trojan" and repre-
sentation of a gladiator; and since Oct. 3, 1946, as to
mark in present application.

Ser. No. 513,925. CAMILLUS CUTLERY COMPANY, New York,
N. Y. Filed Dec. 9, 1946.

PLASTAG

FOR PLASTIC HANDLES FOR CUTLERY.
Claims use since Nov. 25, 1946.

Ser. No. 516,665. JOSEPH A. CAHIL, doing business as
Cahil Manufacturing Company, New York, N. Y. Filed
Jan. 31, 1947.



No claim is made for the word "Cahil" apart from
the mark.
FOR CAN OPENERS.
Claims use since Jan. 16, 1947.

Ser. No. 518,192. AUTOPRODUCTS CORPORATION, Chicago,
Ill. Filed Feb. 27, 1947.



The words "Intrinsic Quality" are disclaimed apart from
the mark as shown.
FOR PISTONS.
Claims use since Sept. 10, 1946.

Ser. No. 518,193. AUTOPRODUCTS CORPORATION, Chicago,
Ill. Filed Feb. 27, 1947.



The words "Intrinsic Quality" and "Autoproducts" are
disclaimed apart from the mark as shown.
FOR PISTONS.
Claims use since Sept. 10, 1946.

Ser. No. 521,588. WILLIAM N. MILLAR, doing business as
Millar Brothers Mfg. Co., Detroit, Mich. Filed Apr.
30, 1947.

Mow A MAT

Applicant disclaims the word "Mow" apart from the
mark shown.
FOR POWER DRIVEN LAWN MOWERS.
Claims use since June 1, 1946.

Ser. No. 522,063. CHATTANOOGA IMPLEMENT & MANUFAC-
TURING COMPANY, Chattanooga, Tenn. Filed May 8,
1947.



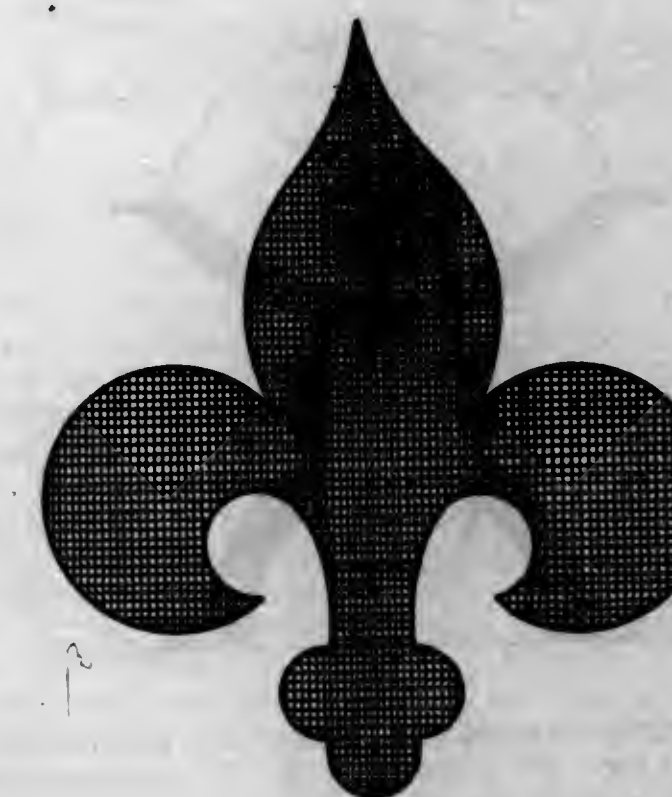
FOR FIREPLACE TOOL SETS COMPRISING A
POKER, SHOVEL AND TONGS, AND A SUPPORTING
STAND FOR SUCH TOOLS.
Claims use since 1911.

Ser. No. 522,415. THE R. K. LEBLOND MACHINE TOOL CO.,
Cincinnati, Ohio. Filed May 15, 1947. Under 10-year
proviso.

LEBLOND

The lining in the drawing is for shading purposes only.
FOR METAL LATHES.
Claims use since 1887.

Ser. No. 522,449. THE R. K. LEBLOND MACHINE TOOL CO.,
Cincinnati, Ohio. Filed May 15, 1947.



The drawing is lined for shading purposes only.
FOR METAL LATHES.
Claims use since 1887.

Ser. No. 523,320. MARMON-HERRINGTON COMPANY, INC.,
Indianapolis, Ind. Filed May 31, 1947.

DELIVR-ALL

FOR INTERNAL COMBUSTION ENGINES AND
POWER TRANSMISSIONS FOR MOVING AUTOMOTIVE
TRUCKS.
Claims use since Apr. 26, 1946.

Ser. No. 523,920. WALTER H. MYERS, Chalfont, Pa. Filed
June 10, 1947.

MIN-A-TOOL

No claim is made to the term "Tool" apart from the
mark as shown.
FOR METAL-WORKING AND WOOD-WORKING
HAND TOOLS—NAMELY, HAMMERS AND SCRIBERS.
Claims use since Apr. 3, 1947.

Ser. No. 524,437. ANTHONY GUERRA, Hackensack, N. J.
Filed June 19, 1947.

CUSHION-CURVE

No claim is made to the word "Curve" apart from the mark.
FOR KITCHEN KNIVES MADE OF BASE METAL AND/OR PLASTIC.
Claims use since Oct. 1, 1940.

Ser. No. 524,518. BASIC FOODS SALES CORP., New York, N. Y. Filed June 20, 1947.



FOR ICING MACHINES USED IN CONNECTION WITH BAKERY PRODUCTS, I. E., TO APPLY ICING TO CAKES AND COOKIES.
Claims use since May 16, 1947.

Ser. No. 524,618. PEELEX, INC., New York, N. Y. Filed June 21, 1947.

peelex

FOR MECHANICAL PEELING MACHINES.
Claims use since Mar. 23, 1947.

Ser. No. 526,246. KELLY-WHEATON COMPANY, Toledo, Ohio. Filed July 4, 1947.

BULKROLL

FOR DISPENSING TOOLS—NAMELY, SPOONS, LADLES, AND DIPPERS, NOT OF PRECIOUS METAL, ADAPTED FOR GATHERING, SEVERING, AND SERVING PORTIONS OF SOLID AND SEMI-SOLID EDIBLE MATERIALS.
Claims use since June 27, 1947.

Ser. No. 526,247. KELLY-WHEATON COMPANY, Toledo, Ohio. Filed July 4, 1947.

NUROLL

FOR DISPENSING TOOLS—NAMELY, SPOONS, LADLES, AND DIPPERS NOT OF PRECIOUS METAL, ADAPTED FOR GATHERING AND SERVING PORTIONS OF SOLID AND SEMI-SOLID EDIBLE MATERIALS.
Claims use since June 27, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 474,522. ASEPTIC-THERMO INDICATOR CO., Los Angeles, Calif. Filed Sept. 23, 1944.



FOR INDICATORS WHICH ARE ADAPTED TO CHANGE COLOR WHEN SUBJECTED TO A PREDETERMINED TIME-TEMPERATURE EXPOSURE.
Claims use since Aug. 17, 1944.

Ser. No. 474,523. ASEPTIC-THERMO INDICATOR CO., Los Angeles, Calif. Filed Sept. 23, 1944.

COOK-CHEX

The term "Cook" is disclaimed apart from the mark as shown.
FOR INDICATORS WHICH ARE ADAPTED TO CHANGE COLOR WHEN SUBJECTED TO A PREDETERMINED TIME-TEMPERATURE EXPOSURE.
Claims use since Aug. 17, 1944.

Ser. No. 483,810. EUGENE DIETZGEN CO., Chicago, Ill. Filed May 26, 1945.

MULTIPLEX

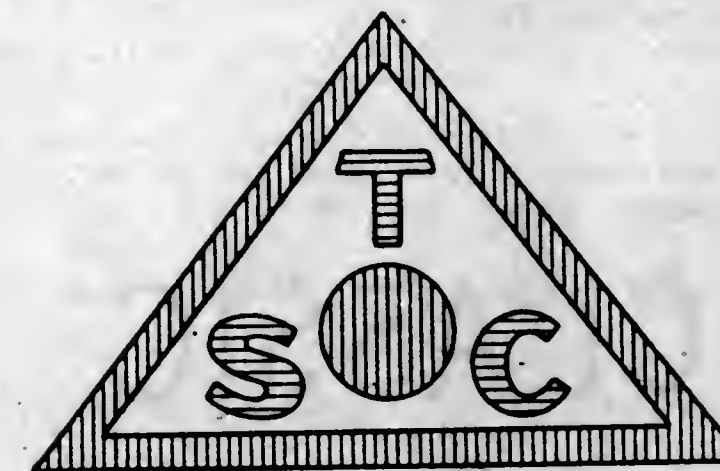
FOR CALCULATING DEVICES—NAMELY, SLIDE RULES.
Claims use since Jan. 1, 1905.

Ser. No. 484,945. EUGENE DIETZGEN CO., Chicago, Ill. Filed June 23, 1945.

MANIPHASE MULTIPLEX

FOR CALCULATING DEVICES—NAMELY, SLIDE RULES.
Claims use since May 1, 1945.

Ser. No. 493,786. HAROLD K. LEEDY, doing business as Controlamix Co., Milwaukee, Wis. Filed Dec. 22, 1945.
The drawing is lined for red and blue colors.



FOR ELECTRICALLY ACTUATED COUNTING APPARATUS ESPECIALLY ADAPTED FOR USE IN CONNECTION WITH MULLING MACHINES FOR TIMING BATCH MULLING, SIGNALLING THE END OF THE MULLING PERIOD, AND COUNTING THE MULLED BATCHES.
Claims use since May 10, 1945.

Ser. No. 502,393. THE MOTLOID COMPANY INC., Chicago, Ill. Filed May 18, 1946.

ACRYTHERM

FOR THERMOMETERS FOR CURING ACRYLICS.
Claims use since on or about Feb. 11, 1946.

Ser. No. 503,336. WILLIAM M. WILSON'S SONS, INC., Lansdale, Pa. Filed June 5, 1946.

Gasboy

FOR SELF-MEASURING GASOLINE PUMPS.
Claims use since May 23, 1946.

Ser. No. 507,672. CONSOLIDATED RAZOR BLADE CO., INC., doing business as Steel Tape Co. of America, Jersey City, N. J. Filed Aug. 20, 1946.

PRESTO

FOR STEEL RULES.
Claims use since July 16, 1946.

Ser. No. 507,673. CONSOLIDATED RAZOR BLADE CO., INC., doing business as Steel Tape Co. of America, Jersey City, N. J. Filed Aug. 20, 1946.

PATHFINDER

FOR STEEL RULES.
Claims use since July 16, 1946.

Ser. No. 509,835. ELECTRA VOICE CORPORATION, Chicago, Ill. Filed Sept. 27, 1946.

ElectraVoice

FOR THERMISTOR DEVICES—NAMELY, ELECTRICALLY OPERATED THERMO BEADS WHICH CHANGE THEIR RESISTANCE WITH CHANGES IN TEMPERATURE, AND ARE USED AS AN ARM OF A WHEATSTONE BRIDGE CIRCUIT FOR CONTROLLING AND MEASURING AMBIENT TEMPERATURE VARIATIONS IN CONNECTION WITH THE TESTING OF RADAR AND RADIO EQUIPMENT, AND MOUNTINGS FOR SAID DEVICES; RADIO SONDES; AND RADAR AND RADIO BRIDGES, SPECIFICALLY METERS FOR MEASURING HIGH FREQUENCY OUTPUT OF RADIO AND RADAR EQUIPMENT; AND PARTS THEREOF AND THEREFOR.

Claims use since November 1943 on thermistor devices and radar and radio bridges; and since December 1944 on radio sondes.

Ser. No. 510,316. GOLDE MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 5, 1946.

STEREOTWIN

FOR CAMERAS, PROJECTORS, AND VIEWERS USED FOR TAKING, PROJECTING, AND VIEWING THREE DIMENSIONAL PICTURES.
Claims use since February 1938.

Ser. No. 512,248. FREDERICK D. FISHER, Elmhurst, N. Y. Filed Nov. 8, 1946.



FOR PHOTOGRAPHIC PRINTING MASKS.
Claims use since September 1946.

Ser. No. 512,360. ALOS A. G., Zurich, Switzerland. Filed Nov. 12, 1946.



FOR PHOTOGRAPHIC APPARATUS, COMPRISING CAMERAS, ENLARGING AND REDUCING EQUIPMENTS, REPRODUCING AND PHOTOCOPYING APPARATUS AND MACHINES, MOTION PICTURE AND OTHER PROJECTORS, PHOTOGRAPHIC ACCESSORIES COMPRISING TRIPOD-HEADS, TRIPODS, FLASHLIGHT-SYNCHRONIZERS, LAMP HOLDERS, AND MICROFILM READERS.

Claims use since September 1941.

Ser. No. 514,034. THE HALOID COMPANY, Rochester, N. Y. Filed Dec. 11, 1946.

HALOID RECORD PAPER

Applicant disclaims the words "Record Paper" apart from the mark.

FOR SENSITIZED PHOTOCOPYING PAPERS.
Claims use since 1930.

Ser. No. 515,748. DAROTH LIMITED, Cheadle, England. Filed Jan. 15, 1947.

WITNESS

FOR PHOTOGRAPHIC AND CINEMATOGRAPHIC CAMERAS, PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTION APPARATUS, AND PHOTOGRAPHIC ENLARGEMENT APPARATUS.

Claims use since July 18, 1945.

Ser. No. 516,622. LIBERTY FILMS, INC., Los Angeles, Calif. Filed Jan. 30, 1947.

LIBERTY

FOR MOTION PICTURE PHOTOPLAYS.
Claims use since Dec. 11, 1946.

Ser. No. 517,567. FEDERAL MANUFACTURING AND ENGINEERING CORP., Brooklyn, N. Y. Filed Feb. 15, 1946.

FED-FLASH

No exclusive rights are claimed in the word "Flash." FOR PHOTOGRAPHIC CAMERAS.
Claims use since Feb. 7, 1947.

Ser. No. 517,944. STYLE-RITE OPTICAL CORPORATION, New York and Brooklyn, N. Y. Filed Feb. 21, 1947.

CLASSIC

FOR SPECTACLE FRAMES.
Claims use since Mar. 18, 1946.

Ser. No. 518,046. SANIT-ALL PRODUCTS CORPORATION, Greenwich, Ohio. Filed Feb. 24, 1947.

Baby All

FOR GRADUATES AND MEASURING CUPS USED IN THE PREPARATION OF BABIES' FORMULAS.
Claims use since October 1930.

Ser. No. 518,270. JOSEPH J. BALABER, New York, N. Y. Filed Feb. 28, 1947.

NICKELODEON CHUCKLES

Applicant disclaims the term "Nickelodeon" apart from the mark as shown.

FOR MOTION PICTURE FILMS—NAMES, A SERIES OF COMEDIES.
Claims use since Feb. 1, 1947.

Ser. No. 520,018. CARL DUDLEY, doing business as Carl Dudley Productions, Beverly Hills, Calif. Filed Apr. 2, 1947.

Let's Visit

FOR SERIES OF MOTION PICTURE FILMS.
Claims use since Jan. 1, 1947.

Ser. No. 521,486. TIMELY PRODUCTS COMPANY, Columbus, Ohio. Filed Apr. 28, 1947.

TILT-HEX

FOR TEMPLATE.
Claims use since Mar. 6, 1947.

Ser. No. 521,708. SIGBERT L. WITTENBERG, Brooklyn, N. Y. Filed May 1, 1947.

SWITT

FOR MOTION PICTURE FILM SPLICERS.
Claims use since Jan. 16, 1947.

Ser. No. 522,155. GRAFLEX, INC., Rochester, N. Y. Filed May 9, 1947.

Synctron

FOR PHOTOGRAPHIC APPARATUS COMPRISING PORTABLE FLASH UNITS, POWER PACKS, LIGHTING UNITS, CARRYING CASES, AND ACCESSORIES THEREFOR.

Claims use since Apr. 18, 1947.

Ser. No. 523,098. VICTOR EQUIPMENT CO., San Francisco, Calif. Filed May 27, 1947.

VICTROMETER

FOR GAS PRESSURE GAUGES.
Claims use since Feb. 15, 1947.

Ser. No. 523,899. LADISLAV KERESZTES, doing business as Laker Hairspring Service, New York, N. Y. Filed June 10, 1947.

RELAXO

FOR SHUTTER OPERATING ATTACHMENT FOR CAMERAS.
Claims use since Mar. 1, 1947.

Ser. No. 524,458. THE HALOID COMPANY, Rochester, N. Y. Filed June 19, 1947.



The drawing is lined for maroon and silver.
FOR LIGHT-SENSITIVE PAPER.
Claims use since May 21, 1947.

Ser. No. 524,831. EFFIE J. SPATZ, doing business as The Indentiscope Company of America, Cleveland, Ohio. Filed June 25, 1947.

IDENTISCOPE

FOR CAMERAS.
Claims use since May 18, 1923.

Ser. No. 524,955. CONTROL PRODUCTS, INC., Harrison, N. J. Filed June 27, 1947.

PLUG-STAT

No claim of exclusive right to use the word "Plug" is made, apart from the mark.
FOR THERMAL ELECTRIC SWITCHES.
Claims use since June 11, 1947.

Ser. No. 525,294. JOHN BRAND, doing business as Brand Camera Company, Los Angeles, Calif. Filed July 1, 1947.

BRAND 17

Applicant disclaims the word "Brand" apart from the mark.
FOR PHOTOGRAPHIC CAMERAS AND CAMERA ACCESSORIES—NAMES, FOCUSING HOODS, SPECIAL CAMERA BACKS FOR ADAPTING CAMERAS TO DIFFERENT SIZE FILMS, AND CAMERA HOLDERS TO ENABLE CAMERA TO BE USED AS AN ENLARGER.
Claims use since Mar. 13, 1947.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 505,437. JOSEPH H. MEYER BROS., Brooklyn, N. Y.
Filed July 11, 1946.

HORIZON

FOR NECKLACES, BRACELETS, FINGER RINGS,
JEWELRY CLIPS, BROOCHES, AND EARRINGS, EX-
CLUDING WATCHES AND PARTS THEREOF.
Claims use since January 1946.

Ser. No. 525,164. R. WALLACE & SONS MANUFACTURING
COMPANY, Wallingford, Conn. Filed June 28, 1947.

GRANDE BAROQUE

FOR STERLING SILVER FLATWARE.
Claims use since Jan. 1, 1941.

Ser. No. 525,165. R. WALLACE & SONS MANUFACTURING
COMPANY, Wallingford, Conn. Filed June 28, 1947.

GRAND COLONIAL

FOR STERLING SILVER FLATWARE.
Claims use since Jan. 1, 1942.

Ser. No. 525,166. R. WALLACE & SONS MANUFACTURING
COMPANY, Wallingford, Conn. Filed June 28, 1947.

ROSE POINT

Applicant disclaims the mark "Rose" except as used in
association with the other features of the mark.
FOR STERLING SILVER FLATWARE.
Claims use since July 1, 1934.

Ser. No. 525,167. R. WALLACE & SONS MANUFACTURING
COMPANY, Wallingford, Conn. Filed June 28, 1947.

SIR CHRISTOPHER

FOR STERLING SILVER FLATWARE.
Claims use since Jan. 1, 1936.

Ser. No. 525,168. R. WALLACE & SONS MANUFACTURING
COMPANY, Wallingford, Conn. Filed June 28, 1947.

STRADIVARI

FOR STERLING SILVER FLATWARE.
Claims use since Jan. 1, 1937.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 514,364. C. J. LEIST & ASSOCIATES, North Holly-
wood, Calif. Filed Dec. 15, 1946.

EAGER BEAVER

FOR SHOE CLEANING UNIT CONSISTING OF A
COMBINATION OF THREE BRUSHES AND A MUD
SCRAPER, ALL MOUNTED ON A STEEL FRAME
WHICH MAY BE ATTACHED TO A DOORSTEP, WALK,
OR ELSEWHERE OUTSIDE OF THE HOUSE.
Claims use since May 23, 1946.

Ser. No. 517,229. ARMSTRONG GROCERY COMPANY, Sharon,
Pa. Filed Feb. 10, 1947.

Baby Rose

FOR BROOMS.
Claims use since 1946.

Ser. No. 517,870. SANIT-ALL PRODUCTS CORPORATION,
Greenwich, Ohio. Filed Feb. 20, 1947.

Baby All

FOR BOTTLE BRUSHES.
Claims use since October 1930.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 509,661. CHARLES H. JOHNSON, doing business as
Youngstown Mattress Company, Youngstown, Ohio.
Filed Sept. 24, 1946.

Dreamer

FOR MATTRESSES AND BOX SPRINGS.
Claims use since Sept. 1, 1941.

Ser. No. 519,083. NEW ERA GLASS COMPANY, INC., New
York, N. Y. Filed Mar. 15, 1947.

PEDOPLATE

FOR GLASS AND MIRROR FURNITURE—NAME-
LY, COCKTAIL TABLES, VANITY TABLES, END TA-
BLES, LAMP TABLES, AND DRUM TABLES.
Claims use since Apr. 1, 1946.

Ser. No. 524,988. R. C. HELLER CO. INC., Baltimore, Md.
Filed June 27, 1947.

Heller-Rest

No claim is made to the word "Heller" apart from
the mark.
FOR PILLOWS, MATTRESSES, AND BOX SPRINGS.
Claims use since June 26, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING
APPARATUS

Ser. No. 513,223. T. & E. APPLIANCE CORPN., Peabody,
Mass. Filed Nov. 25, 1946.

FRYCO

FOR DEEP FAT FRYERS USED IN COOKING FISH,
CLAMS, POTATOES, AND THE LIKE, AND FIRED BY
COAL GAS OR THE PETROLEUM DISTILLATES.
Claims use since Sept. 15, 1939.

Ser. No. 516,122. FRANCOIS ARMAND TURPIN, Paris,
France. Filed Jan. 22, 1947.

ARGOS

FOR WOOD STOVES, COAL STOVES, SAWDUST
STOVES, OIL STOVES, DUTCH OVENS HEATED BY
WOOD, COAL, OR OIL FOR COOKING FOODS.
Claims use since Oct. 29, 1931.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND
NONMETALLIC TIRES

Ser. No. 519,695. RAYBESTOS-MANHATTAN, INC., Passaic,
N. J. Filed Mar. 27, 1947.

Ray-BOND

FOR FRICTION MATERIAL—NAMELY, BRAKE LIN-
INGS AND CLUTCH FACINGS.
Claims use since Mar. 15, 1947.

606 O. G.—26

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 499,298. THE WILCOX-GAY CORPORATION, Char-
lotte, Mich. Filed Mar. 29, 1946.

Recordio Disc

The word "Disc" is herewith disclaimed except as used
in combination with "Recordio."
FOR PHONOGRAPH RECORD BLANKS.
Claims use since Aug. 4, 1939.

Ser. No. 516,076. HENRY HOLT AND COMPANY, INCORPO-
RATED, New York, N. Y. Filed Jan. 21, 1947.



No claim is made to the exclusive use of the name "Holt"
nor to the representation of a record shown in the
drawing.
FOR MECHANICALLY GROOVED PHONOGRAPH
RECORDS OF THE DISC TYPE.
Claims use since Aug. 6, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 483,093. STAR-FREELESS WALL PAPER MILLS,
Chicago, Ill. Filed May 7, 1946.

CHARM TONES

Applicant is the owner of Reg. No. 409,098. Exclusive
right to use of the word "Tones" is not claimed apart from
the mark as shown.
FOR WALL PAPER.
Claims use since Apr. 18, 1945.

Ser. No. 492,378. BENJAMIN F. HODGES, doing business as Radiological Products Company, St. Louis, Mo. Filed Nov. 29, 1945.

MISTOSTRIP

FOR MARKER HOLDERS MADE OF ADHESIVE TAPE, OR STRIPS, FOR EXAMPLE, ADHESIVE TAPE OR STRIPS HAVING ADHESIVE TOP AND BOTTOM FACES ADAPTING THEM FOR USE AS HOLDERS FOR REMOVABLY ATTACHING MARKERS FOR X-RAY FILMS TO CASSETTE CHANGERS OR FILM HOLDERS. Claims use since Nov. 12, 1945.

Ser. No. 504,815. F. W. WOOLWORTH CO., New York, N. Y. Filed June 28, 1946.



FOR WRITING AND PRINTING PAPER AND CORRESPONDENCE ENVELOPES. Claims use since Apr. 22, 1946.

Ser. No. 512,424. ROBERT T. LACEY, Spokane, Wash. Filed Nov. 12, 1946.



No claim is made for the word "Mail" separate and apart from the mark as shown. The descriptive statement "The Combined Envelope & Paper—Zip It Open" is disclaimed as not being a part of the trade-mark.

FOR COMBINED ENVELOPE AND WRITING PAPER. Claims use since Oct. 5, 1946.

Ser. No. 515,179. IMPERIAL PAPER AND COLOR CORPORATION, Glens Falls, N. Y. Filed Jan. 2, 1947.



The drawing is lined for silver. Applicant disclaims "Washable Wallpapers" and the respective outline of the label apart from the mark.

FOR WALLPAPERS.

Claims use since 1901 as to the mark "Imperial"; and since July 1934 as to the mark shown.

Ser. No. 524,899. RICHARD BEST PENCIL COMPANY, INC., Springfield, N. J. Filed June 26, 1947.

FUTURA

FOR WOOD ENCASED LEAD PENCILS. Claims use since January 1939.

Ser. No. 524,902. RICHARD BEST PENCIL COMPANY, INC., Springfield, N. J. Filed June 26, 1947.

RONCOR

FOR WOOD-ENCASED LEAD AND COLORED PENCILS. Claims use since Apr. 1, 1947.

Ser. No. 526,150. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



FOR PAPETERIES, I. E., STATIONERY COMPRISING ENVELOPES AND/OR WRITING PAPER EITHER FLAT OR FOLDED PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES.

Claims use since 1937 as to "Viceroy"; and since 1941 as to the mark shown.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 508,947. GEORGE WEIR, doing business as Associated Religious Service, Chicago, Ill. Filed Sept. 12, 1946.

SPEAKER

FOR PAMPHLETS PUBLISHED MONTHLY. Claims use since August 1946.

Ser. No. 511,058. BROADCASTING PUBLICATIONS, INC., Washington, D. C. Filed Oct. 18, 1946.

TELEVISTAS

FOR WEEKLY PUBLICATION CONTAINING NEWS AND COMMENTS ON RADIO AND TELEVISION BROADCASTING AND PUBLICATIONS, AND PERSONALITIES IN SUCH PURSUITS, AND DISTRIBUTED TO PERSONS ENGAGED IN SUCH PURSUITS.

Claims use since Dec. 14, 1945.

Ser. No. 511,153. JOSEPH A. HUFNAGEL, Miami, Fla. Filed Oct. 19, 1946.

Ser. No. 523,423. THE ROGERS PUBLISHING CO., INC., Cincinnati, Ohio. Filed June 2, 1947.



No claim is made to the words "Komix" and "by Hufnagel" apart from the mark as shown.

FOR STRIP CARTOONS FOR NEWSPAPERS, CARTOONS EMPLOYED IN NEWSPAPERS AND MAGAZINES AND WHERE CUSTOMARILY UTILIZED IN THE TRADE AND ELSEWHERE, AND NEWSPAPER COLUMNS AND CONTRIBUTIONS TO NEWSPAPERS. Claims use since Apr. 15, 1946.

Ser. No. 515,847. NATIONAL ASSOCIATION OF COUNTY OFFICIALS, Wilmington, Del., and Washington, D. C. Filed Jan. 16, 1947.

The County Officer

FOR MAGAZINE. Claims use since July 1936.

Ser. No. 519,235. TRAINING AIDS, INC., Los Angeles, Calif. Filed Mar. 18, 1947.

Trainindex

FOR PRINTED EDUCATIONAL CARDS. Claims use since Apr. 15, 1946.

Ser. No. 522,470. THE PREDICTOR CORPORATION, Norwalk, Conn. Filed May 16, 1947.

PREDICTOR

FOR CHART INDICATING THE PERIODS OF NATURAL STERILITY AND FERTILITY IN WOMEN. Claims use since Jan. 4, 1947.



FOR GREETING CARDS. Claims use since Apr. 23, 1947.

CLASS 39

CLOTHING

Ser. No. 464,943. GALLENGAMP STORES CO., San Francisco, Calif. Filed Nov. 12, 1943.

RED FEATHER

Applicant disclaims the right to the exclusive use of the word "Red" except in the relation and association shown.

FOR SHOES MADE OF LEATHER OR PARTLY OF LEATHER.

Claims use since Oct. 1, 1943.

Ser. No. 486,291. COMMONWEALTH SHOE AND LEATHER COMPANY, Whitman, Mass. Filed July 26, 1945. Under 10-year proviso as to "Bostonian."



The word "Bostonian" has been used as a trade-mark by the applicant for ten years next preceding Feb. 20, 1905. Applicant owns registration No. 55,669, twice renewed. The word "Red" is disclaimed apart from the mark.

FOR MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.

Claims use since Jan. 1, 1895, as to "Bostonian"; and since Jan. 15, 1945, to the mark as a whole.

Ser. No. 488,628. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Sept. 17, 1945. Under 10-year proviso as to "Wales Goodyear."

Wales Goodyear

The phrase "Wales Goodyear" has been used as a trademark by applicants' predecessor for ten years next preceding Feb. 20, 1905. Applicant owns registration No. 65,997, renewed.

FOR BOOTS AND SHOES COMPOSED OF RUBBER OR RUBBER AND FABRIC.

Claims use since 1878 as to "Wales Goodyear"; and since Aug. 22, 1945, to the mark as a whole.

Ser. No. 489,574. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Oct. 8, 1945.

CAREER'S
by Jamesie

FOR MISSES' AND GROWING GIRLS' SHOES MADE FROM LEATHER AND COMBINATIONS OF LEATHER AND FABRIC.

Claims use since Sept. 21, 1945.

Ser. No. 493,625. THE H. C. GODMAN COMPANY, Columbus, Ohio. Filed Mar. 20, 1946.

KINK-A-CHU

The drawing is lined to represent the color red. FOR BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.

Claims use since Dec. 13, 1945.

Ser. No. 507,247. FABRICS OF UNITED KINGDOM, LIMITED, New York, N. Y. Filed Aug. 12, 1946.

MARBLE ARCH

FOR LADIES' SUITS, DRESSES, BLOUSES, SPORT JACKETS, OUTER SKIRTS, SLACKS, AND OUTER SHIRTS.

Claims use since May 1, 1946.

Ser. No. 508,281. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Aug. 30, 1946.



The picture of the man shown on the drawing is fanciful. FOR SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF.

Claims use since July 1, 1945.

Ser. No. 509,550. YANKEE SHOEMAKERS, INC., Newmarket, N. H. Filed Sept. 21, 1946.

**LITTLE
YANKEE**

Applicant is the owner of Trade-Mark No. 422,063 of July 2, 1946.

FOR SHOES MADE OF LEATHER AND FABRIC.

Claims use since May 1, 1944.

Ser. No. 511,709. S. B. VAISEY SHOE Co., INC., Rochester, N. Y., now by change of name Vaisey-Bristol Shoe Company, Incorporated, a corporation of New York. Filed Oct. 29, 1946.

JUMPING JACKS
BY VAISEY

The words "By Vaisey" are disclaimed apart from the mark.

FOR LEATHER SHOES.

Claims use since July 1944.

Ser. No. 512,054. CHARLES W. DEAN, Middleboro, Mass. Filed Nov. 6, 1946.

Chippers

FOR LEATHER SHOES.
Claims use since Oct. 22, 1946.

Ser. No. 515,158. COHN-GOLDWATER MANUFACTURING COMPANY, Los Angeles, Calif. Filed Jan. 2, 1947.

"Lazy Jack"

FOR MEN'S, WOMEN'S, AND CHILDREN'S SPORT JACKETS, SLACKS, SKIRTS, SHIRTS, BLOUSES, SHORTS, COATS, AND SWEATERS.

Claims use since Oct. 25, 1946.

Ser. No. 516,780. MERCURY FOOTWEAR, INC., Pittston, Pa. Filed Feb. 1, 1947.

"little johns"

FOR LADIES' SHOES MADE OF LEATHER AND FABRIC, AND COMBINATIONS OF THESE MATERIALS.

Claims use since December 1945.

Ser. No. 517,306. INGRID OF HOLLYWOOD, Hollywood, Calif. Filed Feb. 11, 1947.

INGRID
OF HOLLYWOOD

The term "Of Hollywood" is disclaimed apart from the mark as shown.

FOR LADIES' UNDERWEAR, BLOUSES, HOSIERY, PLAYSUITS, AND DRESSES.

Claims use since Dec. 26, 1946.

Ser. No. 517,532. TRU-STITCH MOCASSIN CORPORATION, Malone, N. Y. Filed Feb. 14, 1947.

SURREY
by Tru-Stitch

The words "By Tru-Stitch" are disclaimed apart from the mark as shown.

FOR WOMEN'S, MISSES' AND CHILDREN'S SHOES, SLIPPERS, AND MOCASSINS MADE OF LEATHER, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.

Claims use since September 1946.

Ser. No. 519,400. LABOS TEXTILE COMPANY, Bethlehem, Pa. Filed Mar. 21, 1947.

Cloister

FOR LADIES' SLIPS.
Claims use since July 1, 1924.

Ser. No. 519,423. SAM H. SULLIVAN, Laredo, Tex. Filed Mar. 21, 1947.

Rio Belle

FOR LADIES' SHOES.
Claims use since Mar. 20, 1946.

Ser. No. 520,265. J. N. CLARK LIMITED, Dublin, Ire. Filed Apr. 7, 1947.

County Wear

No claim is made to the word "Wear" except as shown. FOR LADIES' OUTERWEAR—NAMESLY, COATS, SUITS, JACKETS, GOWNS, SKIRTS, SLACKS, BLOUSES, DRESSES, AND FROCKS.

Claims use since January 1935.

Ser. No. 520,864. DAVISVILLE HOSIERY MILL, Davisville, Pa. Filed Apr. 17, 1947.

DAVILLE

FOR HOSIERY.
Claims use since Mar. 31, 1947.

Ser. No. 521,104. ALLIED STORES CORPORATION, New York, N. Y., also doing business as "The Bon Marche," Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Filed Apr. 22, 1947.

Maxene

FOR LADIES' HOSIERY.
Claims use since Jan. 1, 1916.

Ser. No. 521,202. MYRTLE KNITTING MILLS, INC., Unionville, Conn. Filed Apr. 23, 1947.

MYRTLE

FOR MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, JACKETS AND SKI SUITS, AND WOMEN'S AND GIRLS' SKIRTS AND TOP COATS.
Claims use since Feb. 15, 1947.

Ser. No. 522,018. THE INTERSTATE DRY GOODS SYNDICATE INCORPORATED, Huntington, W. Va. Filed May 7, 1947.

KNOTTY PINE

FOR MEN'S JACKETS, ROBES, SWEATERS, RAINCOATS, NECKTIES AND SCARVES, PAJAMAS, DRESS SHIRTS, SPORT SHIRTS, SLACK SUITS, AND SLACKS.

Claims use on men's jackets and robes since Mar. 7, 1947; on sweaters and raincoats since Mar. 10, 1947; on neckties and scarves since Mar. 14, 1947; on pajamas since Apr. 1, 1947; and on dress shirts, sport shirts, slack suits and slacks since Apr. 3, 1947.

Ser. No. 522,115. COMFORT SLIPPER CORPORATION, Fitchburg, Mass. Filed May 8, 1947.

Lambzees

FOR SLIPPERS MADE IN PART OF LAMB'S WOOL.
Claims use since June 1944.

Ser. No. 522,585. MARCUS & WIESEN, INC., New York, N. Y. Filed May 17, 1947.

LADY BETTY

FOR GIRDLES AND CORSETS.
Claims use since May 4, 1932.

Ser. No. 523,481. THE SEAMLESS RUBBER COMPANY, New Haven, Conn. Filed June 3, 1947.



Applicant disclaims the words and numerals "Seamless Finest Quality Since 1877" except in the setting and relation in which they appear.

FOR HOUSEHOLD GLOVES.
Claims use since Aug. 14, 1924, as to the letters "SR"; and since Nov. 3, 1945, to the mark as a whole.

Ser. No. 523,598. LOUIS MEYERS & SON, INC., New York, N. Y. Filed June 5, 1947.

Arabuk

Applicant is the owner of Reg. No. 223,888.
FOR LADIES', MEN'S AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.

Claims use since Jan. 1, 1922.

Ser. No. 523,642. BEAUTIS FOUNDATIONS MFG. CORPORATION, New York, N. Y. Filed June 6, 1947.

Figure = Queen

Applicant disclaims exclusive rights to the word "Figure" apart from the mark shown.
FOR BRASSIÈRES, GARTER BELTS, AND GIRDLES.
Claims use since May 22, 1947.

Ser. No. 524,017. LARRY POLACK, INC., New York, N. Y. Filed June 11, 1947.

Sunny Original

The word "Original" is disclaimed except in combination with the remainder of the mark.
FOR MATERNITY SUSPENDER GARTERS.
Claims use since Apr. 11, 1947.

Ser. No. 524,186. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed June 14, 1947.

Voyageur

FOR HATS FOR MEN AND HATS FOR WOMEN.
Claims use since 1932 on hats for women; and since July 20, 1925, on hats for men.

Ser. No. 524,187. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed June 14, 1947.

Panaire

FOR HATS FOR MEN AND HATS FOR WOMEN.
Claims use since 1938 on hats for men; and since 1941 on hats for women.

Ser. No. 524,547. MAJESTIC SPECIALTIES, INC., Cleveland, Ohio, and New York, N. Y. Filed June 20, 1947.

TWISKIRT

FOR SKIRTS.
Claims use since June 1, 1947.

Ser. No. 524,763. BOTANY MILLS, INC., Passaic, N. J. Filed June 25, 1947.

Jiffy BOW

Applicant disclaims the word "Bow" per se.
FOR NECKTIES.
Claims use since June 2, 1947.

Ser. No. 524,943. THE B. V. D. CORPORATION, New York, N. Y. Filed June 27, 1947.

BIG LEAGUE

FOR OUTER SHIRTS, SWEATERS, AND SWIM TRUNKS.
Claims use since Apr. 23, 1947.

Ser. No. 525,847. HOOD BROS., New York, N. Y. Filed July 3, 1947.

Hoodcrest

FOR LADIES' NIGHT GOWNS, NEGLIGÉES, AND SLIPS.
Claims use since June 1, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 512,273. MIRIAM GATES INCORPORATED, Buffalo, N. Y. Filed Nov. 8, 1946.

C-H-A-R-M-S

FOR BREAST FORMS.
Claims use since Jan. 18, 1946.

Ser. No. 513,914. THE VITRON CORPORATION, Wilmington, Del. Filed Dec. 7, 1946.

Vitron

FOR VENETIAN BLIND TAPE; TEXTILE TAPE FOR TRIMMING GARMENTS, LAMP SHADES, DRAPERIES, AND UPHOLSTERY; AND CARPET TAPE.
Claims use since Oct. 30, 1946.

Ser. No. 518,242. MERIT MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 27, 1947.

Stitchex

MARKS THE SPOT

Applicant disclaims the words "Marks The Spot" apart from the mark. The drawing is lined for the color red.
FOR STITCH MARKERS USED IN HAND KNITTING.
Claims use since July 1, 1946.

Ser. No. 523,482. THE SEAMLESS RUBBER COMPANY, New Haven, Conn. Filed June 3, 1947.



Applicant disclaims the words and numerals "Seamless, Finest Quality Since 1877" except in the setting and relation in which they appear.

FOR COMBS MADE OF PLASTIC.

Claims use since Aug. 14, 1924, as to the letters "SR"; and since Nov. 3, 1945, to the mark as a whole.

Ser. No. 523,575. FELSCO, INC., New York, N. Y. Filed June 5, 1947.

TRI-LIFT

No claim is made to the word "Lift" apart from the mark as shown.

FOR BUCKLES FOR SHOULDER STRAPS AND FOR BRASSIERES.

Claims use since Apr. 1, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 500,976. FILMED FABRICS CO., Chicago, Ill. Filed Apr. 26, 1946.

Flex-Cel

The word "Flex" is disclaimed apart from the mark as shown.

FOR THIN SHEETS OF PLASTIC FILM OF THE VINYL-TYPE SOLD FROM THE ROLL FOR USE IN MAKING APRONS, GARMENTS, BAGS, BATHROOM CURTAINS, SHOE BAGS, RAINCOATS, AND THE LIKE.

Claims use since Dec. 14, 1945.

Ser. No. 512,153. CLARENCE S. BROWN & COMPANY, INC., New York, N. Y. Filed Nov. 7, 1946.

REGIMENTAL

FOR COTTON POPLIN FABRICS, SOLD BY THE PIECE.

Claims use since 1934.

Ser. No. 516,408. FOLLY COVE DESIGNERS, Gloucester and Annisquam, Mass. Filed Jan. 27, 1947.

FOLLY COVE DESIGNERS

Applicant disclaims exclusive use of the word "Designers."

FOR PIECE GOODS OF SILK, RAYON, WOOL, NYLON, COTTON, PROTEIN FIBRES AND COMBINATIONS THEREOF SOLD BY THE YARD; TEXTILE WALL HANGINGS (OR TAPESTRIES), TABLE MATS, TABLE AND COCKTAIL NAPKINS, TABLE RUNNERS, TRAY CLOTHS, TABLE CLOTHS, BEDSPREADS, WINDOW CURTAINS, TOWELS, AND RIBBONS SOLD BY THE BOLT.

Claims use since Dec. 1, 1941.

Ser. No. 518,338. BELVEDERE FABRICS, INC., New York, N. Y. Filed Mar. 1, 1947.

SunSpot

FOR PIECE GOODS MADE OF COTTON, WOOL, RAYON, AND SILK AND MIXTURES THEREOF.

Claims use since December 1945.

Ser. No. 523,777. JACK GOLDFARB, INC., New York, N. Y. Filed June 7, 1947.

GOLDURA

FOR PIECE GOODS OF WOOL, WORSTED, PROTEIN FIBER, COTTON, RAYON, NYLON, AND SILK.

Claims use since Apr. 1, 1947.

Ser. No. 524,798. GOODALL-SANFORD, INC., Sanford, Maine. Filed June 25, 1947.

RICHWEAVE

FOR WOOLEN FRIEZES, OF WHICH THE FIBRE CONTENT IS COTTON AND WOOL SOLD IN THE BOLT.

Claims use since May 1, 1947.

Ser. No. 525,522. AMERICAN DYEING CORPORATION, Rockville, Conn. Filed July 2, 1947.



The drawing is lined for shading only.
FOR RAYON AND COTTON PIECE GOODS AND COMBINATIONS THEREOF.

Claims use since May 1, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 519,333. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Mar. 20, 1947.

PLASTISILK

The word "Silk" is disclaimed apart from the mark.

FOR SUTURES AND LIGATURES.

Claims use since June 19, 1946.

Ser. No. 519,334. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Mar. 20, 1947.

PLASTILINEN

The word "Linen" is disclaimed apart from the mark.

FOR SUTURES AND LIGATURES.

Claims use since June 19, 1946.

Ser. No. 519,335. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Mar. 20, 1947.

PLASTICOTTON

The word "Cotton" is disclaimed apart from the mark.

FOR SUTURES AND LIGATURES.

Claims use since June 19, 1946.

Ser. No. 520,039. JULIUS ADERER, INC., New York, N. Y. Filed Apr. 2, 1947.

ULTRA-CAST

The word "Cast" is disclaimed apart from the mark as shown.

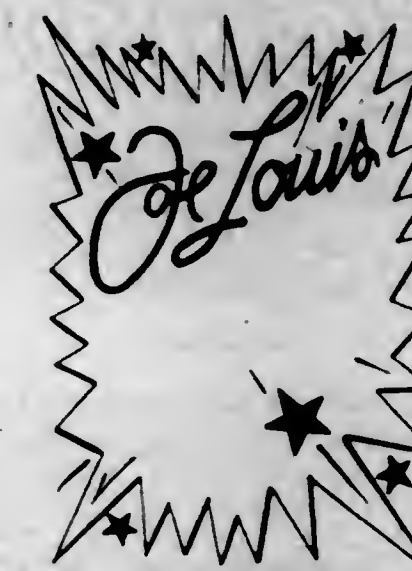
FOR CASTING GOLD FOR DENTISTS' USE.

Claims use since Mar. 17, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 522,999. ALL AMERICAN DRINKS CORP., New York, N. Y. Filed May 24, 1947.



The name "Joe Louis" shown is the facsimile signature of Joe Louis, noted boxer, consent given.

FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.

Claims use since Nov. 26, 1946.

Ser. No. 523,000. ALL AMERICAN DRINKS CORP., New York, N. Y. Filed May 24, 1947.

Joe Louis

The name "Joe Louis" shown is the facsimile signature of Joe Louis, noted boxer, consent given.

FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.

Claims use since Nov. 26, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 480,722. THE SUGARDALE PROVISION COMPANY, Canton, Ohio. Filed Mar. 9, 1945.

Sugardale

Applicant is the owner of Reg. No. 205,953 (renewed).
FOR LARD, LUNCHEON MEAT, CHOPPED PRESSED BONELESS HAM, PASTEURIZED PROCESS CHEESE AND SWISS CHEESE.

Claims use since about 1935.

Ser. No. 486,307. KELLEY-CLARKE COMPANY, Seattle, Wash., assignor, by mesne assignments, to Kelley-Clarke Company, a partnership of June 2, 1947. Filed July 26, 1945.

Action

FOR CANNED FISH.
Claims use since September 1916.

Ser. No. 509,352. LAFOND CHOCOLATIER, New York, N. Y. Filed Sept. 19, 1946.

THE LITTLE KING

The word "Little" is disclaimed apart from the mark.
Applicant is the owner of Reg. No. 415,116.
FOR CANDY.
Claims use since December 1939.

Ser. No. 511,807. PETRUS JACOBUS GEERLINGS, doing business as Geerlings Feed Mills, Waterloo, Iowa. Filed Oct. 31, 1946.

THYROMINO

FOR FEED FOR LIVESTOCK AND POULTRY.
Claims use since 1943.

Ser. No. 515,610. D. & D. FOODS COMPANY, Wenatchee, Wash. Filed Jan. 11, 1947.

CHICK-A-DEE

FOR CANNED FRUIT.
Claims use since May 24, 1946.

Ser. No. 517,297. FLORIDA FROZEN FRUITS, INC., Haines City, Fla. Filed Feb. 11, 1947.

F.F.F.

FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since during the month of April 1945.

Ser. No. 519,495. ARON STREIT, INC., New York, N. Y. Filed Mar. 24, 1947.

MOONSTRIPS

FOR MATZOS.
Claims use since Mar. 3, 1947.

Ser. No. 523,797. EMILIA L. OLIVER, doing business as E. L. Oliver, Nogales, Ariz. Filed June 7, 1947.

SUNNY MEXICO

No claim is made to the word "Mexico" apart from the mark.
FOR FRESH VEGETABLES—NAMESLY, TOMATOES.
Claims use since Mar. 30, 1947.

Ser. No. 524,065. WILLIAM H. LAMBERT, doing business as Lambert Research Laboratories, Mineola, Mo. Filed June 12, 1947.

SUN-SALAD

No claim is made to the word "Salad" apart from the mark shown.
FOR-CANNED PREPARED FOOD PRODUCT COM-
PRISED OF VARIOUS GARDEN FRESH, UNCOOKED
VEGETABLES WITH FRUITS, SPICES, AND SEASON-
ING.
Claims use since Feb. 1, 1947.

Ser. No. 524,882. MIDWEST DAIRY PRODUCTS CORP., Du Quoin, Ill. Filed June 26, 1947.

WONDER BAR

No claim is made to the word "Bar" apart from the mark shown.
FOR CHOCOLATE COATED VANILLA ICE CREAM
BAR.
Claims use since Mar. 3, 1933.

Ser. No. 525,764. ATLANTIC FOOD PRODUCTS, Brooklyn, N. Y. Filed July 3, 1947.

Compli **MINTS**

The word "Mints" is disclaimed except in combination with the mark as shown.
FOR CANDY.
Claims use since June 25, 1947.

Ser. No. 525,930. NEW ORLEANS IMPORT CO., LIMITED, New Orleans, La. Filed July 3, 1947.

MONOGRAM

FOR TEA.
Claims use since Dec. 1, 1900.

CLASS 47

WINES

Ser. No. 514,936. COMMERCIAL EXPANSION CORP. OF U. S., New York, N. Y., assignor to Hugo Loewenthal, New York, N. Y. Filed Dec. 28, 1946.

CISLEI

FOR WINES.
Claims use since Aug. 6, 1945.

Ser. No. 523,821. BROOKSIDE DISTILLING PRODUCTS CORPORATION, Scranton, Pa. Filed June 9, 1947.

BROOKSIDE

FOR WINE.
Claims use since Jan. 6, 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 523,822. BROOKSIDE DISTILLING PRODUCTS CORPORATION, Scranton, Pa. Filed June 9, 1947.

BROOKSIDE

FOR WHISKEY, GIN, AND BRANDY.
Claims use since Jan. 6, 1934.

CLASS 50

MERCHANDISE NOT OTHERWISE
CLASSIFIED

Ser. No. 516,003. CANVAS PRODUCTS COMPANY, Kansas City, Mo. Filed Jan. 20, 1947.

CAPCO

FOR TARPAULINS, TENTS, AWNINGS, AND TUR-
KEY SADDLES MADE OF CANVAS OR LIKE FABRIC
MATERIAL.
Claims use since Dec. 16, 1946.

Ser. No. 519,345. JEAN ROUX, Paris, France. Filed Mar. 20, 1947.

CEDUMA

FOR BEE HIVES, PARTS OF BEE HIVES, FRAMES
AND RACKS THEREFOR.
Claims use since Oct. 10, 1946.

Ser. No. 524,607. LESLIE J. HELMAN, doing business as
Everyday Poultry Supply Company, Sidney, Ohio. Filed
June 21, 1947.

EVERYDAY

FOR EQUIPMENT FOR THE CARE AND RAISING
OF POULTRY—NAMESLY, BUCKET TYPE FOUNTAIN
WATERERS, POULTRY FEEDERS OR FEED-RECEIV-
ING RECEPTACLES, AND METALLIC NEST UNITS.
Claims use since September 1928.

Ser. No. 525,375. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed July 1, 1947.

Krene

FOR GARMENT SHOULDER COVERS, AND COVERS
FOR HOUSEHOLD APPLIANCES SUCH AS TOASTERS,
MIXERS, JUICERS, AND COFFEE MAKERS.
Claims use since March 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 531,098. CHEMICAL SPECIALTIES INCORPORATED, Oakland, Calif. Filed Aug. 12, 1947.

**HART'S
77**

FOR SYNTHETIC DETERGENT SOLUTION SUITABLE FOR USE AS A GUN CLEANER FOR THE REMOVAL OF POWDER, COMBUSTION RESIDUE AND ACCUMULATED GUMS FROM FIREARMS, WHICH IS ALSO A FOAMING-CLEANSER.
Claims use since May 19, 1947.

Ser. No. 536,254. HOUBIGANT, INC., New York, N. Y. Filed Sept. 30, 1947.

QUELQUES FLEURS

FOR TOILET SOAPS.
Claims use since April 1921.

CLASS 6

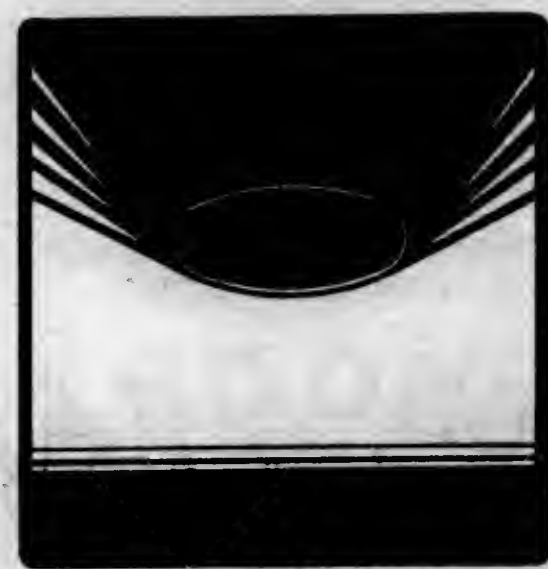
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 526,866. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

STABILIDE

Applicant claims ownership of registration No. 391,642. FOR STABILIZED ASSIMILABLE IODIDE-CONTAINING SUBSTANCES.
Claims use since May 16, 1941.

Ser. No. 526,907. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.



Applicant claims ownership of registration No. 357,789. FOR HYDROGEN PEROXIDE.
Claims use since October 1935.

Ser. No. 526,936. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

IODEIKON

Applicant claims ownership of registration No. 213,690. FOR TETRAIODOPHENOLPHTHALEIN SODIUM SALT EMPLOYED FOR X-RAY DIAGNOSIS AND VARIOUS OTHER THERAPEUTIC AND LABORATORY PURPOSES.
Claims use since Apr. 29 1925.

Ser. No. 526,956. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

CALOGREEN

Applicant claims ownership of registration No. 230,506. FOR MERCURIAL SALT KNOWN AS MERCUROUS CHLORIDE, EMPLOYED FOR THE CONTROL OF BROWN PATCH ON PUTTING GREENS AND FINE LAWNS.
Claims use since Feb. 1, 1927.

Ser. No. 527,502. E. S. MILLER LABORATORIES, INC., Los Angeles, Calif. Filed July 5, 1947.

MILESTROL

FOR DIETHYLSTILBESTROL.
Claims use since June 16, 1947.

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Ser. No. 527,578. E. S. MILLER LABORATORIES, INC., Los Angeles, Calif. Filed July 5, 1947.

MILLER-DRINE

FOR DI-DESOXYEPHEDRINE.
Claims use since Apr. 4, 1947.

Ser. No. 527,829. THE EDWAL LABORATORIES, INC., Chicago, Ill. Filed July 5, 1947.

MINICOL

FOR FINE GRAIN PHOTOGRAPHIC DEVELOPERS.
Claims use since Jan. 1, 1937.

Ser. No. 527,987. E. S. MILLER LABORATORIES, INC., Los Angeles, Calif. Filed July 5, 1947.

MIL-U-CAL

FOR CALCIUM LEVULINATE.
Claims use since Nov. 2, 1945.

Ser. No. 528,464. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed July 12, 1947.

Golden Key

Applicant claims ownership of registration No. 200,998. FOR DENTAL CREAM, COLD CREAM AND TOILET WATER.
Claims use since July 30, 1924, on dental cream; and since Oct. 4, 1924, on cold cream and toilet water.

Ser. No. 528,647. SCHERING CORPORATION, Bloomfield, N. J. Filed July 15, 1947.

ALUCRENE

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF ASTHMATIC CONDITIONS.
Claims use since May 20, 1947.

Ser. No. 528,856. ABE E. DARROW, Philadelphia, Pa. Filed July 18, 1947.



FOR MEDICINAL PREPARATION IN THE NATURE OF AN OINTMENT FOR THE RELIEF OF ATHLETE'S FOOT, RINGWORMS, SCABIES, AND TETTER.
Claims use since June 9, 1947.

Ser. No. 529,141. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y. Filed July 22, 1947.

'CAROFAX'

FOR OINTMENT USED FOR THE TREATMENT OF MINOR BURNS AND SCALDS AND AS A PROTECTION AGAINST SUNBURN.
Claims use since May 1929.

Ser. No. 529,143. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y. Filed July 22, 1947.

STYPVEN

FOR DRY VIPER VENOM FOR MAKING SOLUTIONS FOR USE IN CONTROLLING HEMORRHAGE BY DIRECT APPLICATION; ALSO USED AS A REAGENT IN BLOOD COAGULATING TIME TESTS.
Claims use since 1937.

Ser. No. 529,144. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y. Filed July 22, 1947.

MENTHOFAX

FOR OINTMENT FOR THE TREATMENT OF MUSCULAR PAINS, SPRAINS AND PAINFUL JOINTS.
Claims use since May 8, 1922.

Ser. No. 529,145. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y. Filed July 22, 1947.

'MOOGROL'

FOR MEDICINAL PREPARATION ADMINISTERED PARENTERALLY FOR THE TREATMENT OF TUBERCULOSIS AND LEPROSY.
Claims use since 1923.

Ser. No. 529,185. HOWARD D. MEINCKE, Chicago, Ill. Filed July 22, 1947.

FLEXELIN

FOR CHEMICALLY TREATED STARCH, PRINCIPALLY IN POWDERED FORM, FOR USE IN THE PAPER AND TEXTILE INDUSTRY.
Claims use since February 1938.

Ser. No. 529,825. ROHM & HAAS COMPANY, Philadelphia, Pa., Filed July 28, 1947.

CUPROCIDE

Applicant claims ownership of registration No. 315,762. FOR CHEMICAL MIXTURE FOR USE AS A COMPONENT OF FUNGICIDAL SPRAYS AND DUSTS.
Claims use since Nov. 16, 1933.

Ser. No. 529,917. E. MYERS LYE CORPORATION, St. Louis, Mo. Filed July 29, 1947.



FOR LYB.
Claims use since Jan. 30, 1908.

Ser. No. 529,918. E. MYERS LYE CORPORATION, St. Louis, Mo. Filed July 29, 1947.

Rail-Road

FOR LYE.
Claims use since Jan. 29, 1901.

Ser. No. 530,054. BAKER EXTRACT COMPANY, Springfield, Mass. Filed July 31, 1947.

BAKER'S

Applicant claims ownership of registrations Nos. 68,403, 257,785, 305,244, 308,444, 309,741, 310,304, 330,888, 331,818, 332,849, and 384,142.

FOR CAMPHOR, CAMPHORATED OIL, GLYCERINE, COUGH SYRUP, AND FOOD COLORING COMPOUNDS.
Claims use since July 1, 1926.

Ser. No. 530,139. MURRAY M. WINTROUB, doing business as The Vitamin Store of Iowa, Des Moines, Iowa. Filed July 31, 1947.

STREEM

FOR VITAMIN PREPARATION FOR INTERNAL USE FOR TREATMENT OF VITAMIN DEFICIENCY.
Claims use since July 1, 1947.

CLASS 7

CORDAGE

Ser. No. 529,388. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa. Filed July 24, 1947.

J&L

FOR WIRE ROPE.
Claims use since Nov. 1, 1939.

Ser. No. 529,389. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa. Filed July 24, 1947.

J&L

FOR WIRE ROPE.
Claims use since Nov. 1, 1939.

Ser. No. 529,978. GENERAL PRINTED STRING COMPANY, Milwaukee, Wis. Filed July 30, 1947.

BAR-GRAIN

FOR CRIMPED COTTON TAPE FOR PACKAGE TYING.
Claims use since summer of 1936.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 527,488. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed July 5, 1947.

K-LO

Applicant claims ownership of registration No. 421,786.
FOR PIPE COVERING AND HEAT INSULATING BLOCKS CONSISTING OF CALCIUM SILICATE WITH OR WITHOUT REINFORCING MATERIALS.
Claims use since April 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 527,186. RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill. Filed July 5, 1947.



FOR TRACKS FOR OVERHEAD LOAD SUPPORTING AND CONVEYING MECHANISM.
Claims use since Nov. 26, 1918.

Ser. No. 527,221. SPICK IRON & FOUNDRY CO., St. Louis, Mo. Filed July 5, 1947.

SIFCO LOY

Applicant claims ownership of registration No. 377,510.
FOR PROCESSED CAST IRON ALLOY METAL.
Claims use since Nov. 30, 1934.

Ser. No. 527,519. OLIN INDUSTRIES, INC., East Alton, Ill. Filed July 5, 1947.



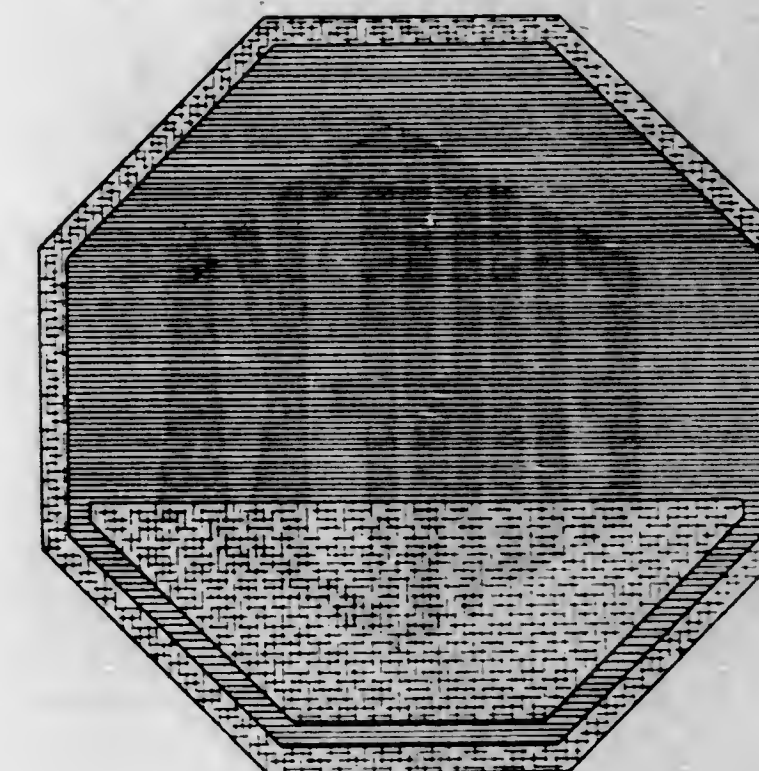
Applicant claims ownership of registrations Nos. 159,784, 331,081, 405,121, and 405,122.
FOR COPPER AND ITS ALLOYS—NAMESLY, BRASS, BRONZE, PHOSPHOR BRONZE, AND NICKEL SILVER.
Claims use since Apr. 14, 1941.

Ser. No. 527,752. THE BUDA COMPANY, Harvey, Ill. Filed July 5, 1947.

BUDA

FOR BUMPING POSTS AND CAR STOPS.
Claims use since 1913.

Ser. No. 527,867. OLIN INDUSTRIES, INC., East Alton, Ill. Filed July 5, 1947.



The drawing is lined for yellow and blue. Applicant claims ownership of registrations Nos. 405,122, 331,081, and 405,121.

FOR COPPER AND ITS ALLOYS—NAMESLY, BRASS, BRONZE, PHOSPHOR BRONZE, AND NICKEL SILVER.
Claims use since Apr. 1, 1933.

Ser. No. 527,999. OLIN INDUSTRIES, INC., East Alton, Ill. Filed July 5, 1947.



Applicant claims ownership of registrations Nos. 331,081, 210,699, 224,874, 142,347, 405,121, and 405,122.
FOR COPPER AND ITS ALLOYS, PARTICULARLY BRASS AND BRONZE IN SHEET, TUBE, AND ROD FORM.
Claims use since Feb. 1, 1933.

CLASS 19 VEHICLES

Ser. No. 527,157. AUTO RADIATOR MANUFACTURING COMPANY, Chicago, Ill. Filed July 5, 1947.



Applicant claims ownership of registrations Nos. 256,271 and 290,811.
FOR VEHICLE RADIATORS, RADIATOR CORES, AND AUTOMOBILE HEATERS UTILIZING HOT WATER FROM THE ENGINE.
Claims use since July 12, 1928.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 526,510. AQUA SPORTSMAN, Inc., Norwood, Ohio. Filed July 5, 1947.

AQUA SPORTSMAN

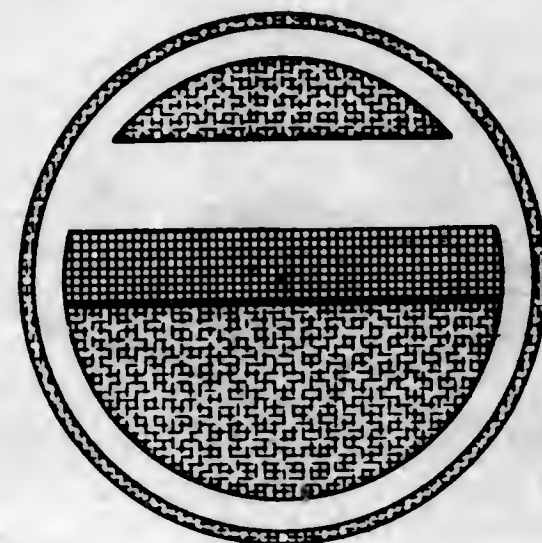
FOR FISHING REELS AND AUTOMATIC REEL CONTROL MECHANISM.
Claims use since May 7, 1947.

Ser. No. 527,067. B. F. GLADDING & Co. INC., South Otselec, N. Y. Filed July 5, 1947.

RIPPLE

FOR FISHING LINES.
Claims use since 1923.

Ser. No. 527,079. B. F. GLADDING & Co. INC., South Otselec, N. Y. Filed July 5, 1947.



The drawing is lined to indicate the colors gold and black, the unlined portion indicating ivory.
FOR FISHING LINES.
Claims use since November 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 535,918. SCHOOL OF SPEEDWRITING INC., New York, N. Y. Filed Nov. 12, 1947. Under section 2f of the act of 1906.

Speedwriting

Applicant claims ownership of registration No. 231,118.
FOR PRINTED LESSONS AND EXAMINATION SHEETS ISSUED FROM TIME TO TIME.
Claims use since Dec. 29, 1924.

CLASS 39 CLOTHING

Ser. No. 528,326. ARIS GLOVES, INC., New York, N. Y. Filed July 11, 1947.

Handtreats

FOR MEN'S, WOMEN'S, MISSES', AND CHILDREN'S GLOVES AND MITTENS.
Claims use since Mar. 20, 1947.

Ser. No. 529,243. EMPIRE SHIELD COMPANY, INC., New York, N. Y. Filed July 23, 1947.

EMPIRE

Applicant claims ownership of registrations Nos. 422,753 and 169,890 (renewed).
FOR WATERPROOF BABY BIBS, LADIES' WATER-PROOF APRONS AND SHOWER CAPS.
Claims use since 1933.

Ser. No. 530,678. PETITE MISS CO., New York, N. Y. Filed Aug. 6, 1947.

Ser. No. 531,123. JESS HERBERT, INC., New York, N. Y. Filed Aug. 12, 1947.

Ango Cuddler

Applicant claims ownership of registrations Nos. 373,338 and 391,666.

FOR LADIES' COATS.
Claims use since July 23, 1947.

Ser. No. 530,805. CAMAC & WEINER, New York, N. Y. Filed Aug. 8, 1947.

Cam-Win

FOR LADIES' DRESSES.
Claims use since June 16, 1947.

Ser. No. 530,810. FAIRTEX KIDDIES WEAR, INC., New York, N. Y. Filed Aug. 8, 1947.

Fairtex

FOR CHILDREN'S UNDERWEAR.
Claims use since March 1926.
606 O. G.—27



The legends "Hand Finished in New York" and "Styled in Paris" are disclaimed apart from the mark as shown.
FOR WOMEN'S OUTER APPAREL — NAMELY, COATS, DRESSES, AND SUITS.
Claims use since May 12, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 528,048. E. C. SCHERRER, INC., New York, N. Y. Filed July 15, 1947.

PETIPURL

FOR SYNTHETIC STRAW BRAIDS USED IN THE MANUFACTURE OF HAT BODIES.
Claims use since June 24, 1947.

Ser. No. 530,119. "Q" PRODUCTS CORPORATION, New York, N. Y. Filed July 31, 1947.

"Q"

FOR BOBBY PINS.
Claims use since Feb. 1, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 527,361. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed July 5, 1947.

Mayfair

Applicant claims ownership of registrations No. 94,903 and No. 310,729.

FOR TEA.

Claims use since May 2, 1930.

Ser. No. 527,475. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed July 5, 1947.

Crestmont

Applicant claims ownership of registration No. 319,631. FOR CANDY.

Claims use since July 22, 1932.

Ser. No. 527,529. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed July 5, 1947.

WILDMERE

Applicant claims ownership of registration No. 377,215. FOR EGGS.

Claims use since April 1924.

Ser. No. 527,595. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed July 5, 1947.

Wildmere

Applicant claims ownership of registration No. 377,215. FOR BUTTER.

Claims use since Sept. 1, 1939.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

JANUARY 20, 1948

435,947. FILTERS; FILTER REPLACEMENT PARTS—NAMES, BEARINGS, VALVES, AND DRUM SECTIONS; AND FILTER SUPPLIES—NAMES, FILTER CLOTH AND SCREENS. PETERSON FILTERS AND ENGINEERING CO., Salt Lake City, Utah. Filed June 15, 1943. Serial No. 461,417. PUBLISHED SEPTEMBER 30, 1947. Class 31.

435,948. FILTERS; FILTER REPLACEMENT PARTS—NAMES, BEARINGS, VALVES, AND DRUM SECTIONS; AND FILTER SUPPLIES—NAMES, FILTER CLOTH AND SCREENS. PETERSON FILTERS AND ENGINEERING CO., Salt Lake City, Utah. Filed June 15, 1943. Serial No. 461,420. PUBLISHED SEPTEMBER 30, 1947. Class 31.

435,949. LUBRICATING OILS AND GREASES. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed June 6, 1944. Serial No. 470,938. PUBLISHED OCTOBER 21, 1947. Class 15.

435,950. DIAMONDS AND DIAMOND RINGS. BOND DIAMOND COMPANY, New York, N. Y. Filed August 15, 1944. Serial No. 473,268. PUBLISHED OCTOBER 21, 1947. Class 28.

435,951. CONTAINERS—NAMES, CUPS, AND SHIPPING, STORING AND PACKING CARTONS AND BOXES MADE PRINCIPALLY OF PAPER OR CARDBOARD. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed December 26, 1944. Serial No. 477,916. PUBLISHED NOVEMBER 4, 1947. Class 2.

435,952. METAL-FOIL BACKED ADHESIVE TAPES FOR MASKING, SEALING, WRAPPING, AND DECORATIVE PURPOSES. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J. Filed February 21, 1945. Serial No. 480,070. PUBLISHED SEPTEMBER 30, 1947. Class 5.

435,953. LIPSTICK, ROUGE, FACE CREAM, CLEANSING LOTION, AND MAKE-UP. THE ARMAND COMPANY, Des Moines, Iowa. Filed May 9, 1945. Serial No. 483,130. PUBLISHED DECEMBER 25, 1945. Class 6.

435,954. VENTILATING APPARATUS—NAMES, ROOF VENTILATORS. H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed May 9, 1945. Serial No. 483,150. PUBLISHED SEPTEMBER 30, 1947. Class 34.

435,955. ASPIRIN AND TABLETS OF ASPIRIN. E. R. SQUIBB & SONS, New York, N. Y. Filed June 23, 1945. Serial No. 484,987. PUBLISHED DECEMBER 18, 1945. Class 6.

435,956. FACIAL TISSUES. SITROUX, INC., New York, N. Y. Filed August 7, 1945. Serial No. 486,875. PUBLISHED MARCH 5, 1946. Class 37.

435,957. CELLULOSE ACETATE COATING COMPOSITIONS OR LACQUERS. MAAS & WALDESTEIN COMPANY, Newark, N. J. Filed September 12, 1945. Serial No. 488,341. PUBLISHED SEPTEMBER 23, 1947. Class 16.

435,958. DOLLS. A. F. GREENWOOD COMPANY, New York, N. Y. Filed November 16, 1945. Serial No. 491,713. PUBLISHED SEPTEMBER 30, 1947. Class 22.

435,959. ARTICLES MADE OF LEATHER OR IMITATION LEATHER—NAMES, TRAVELLING BAGS, SHOPPING BAGS, CARD CASES, DISPATCH CASES, DRESSING CASES, DOG COLLARS, DOG LEADS, DOG MUZZLES, PURSES, POCKET CASES, POCKET WALLETS, LUGGAGE STRAPS, VALISES, AND POCKET BOOKS (LEATHER). JOHN PATTERSON, Staffordshire, England. Filed November 29, 1945. Serial No. 492,391. PUBLISHED OCTOBER 21, 1947. Class 3.

435,960. NON-METALLIC SHEATHED CABLE. PHELPS DODGE COPPER PRODUCTS CORPORATION, New York, N. Y. Filed December 10, 1945. Serial No. 493,023. PUBLISHED SEPTEMBER 10, 1946. Class 21.

435,961. EMPTY METAL CONTAINERS, IN THE NATURE OF PRESSURE BOTTLES OR CYLINDERS, FOR COMPRESSED FLUIDS. NATIONAL TUBE COMPANY, Pittsburgh, Pa. Filed December 12, 1945. Serial No. 493,141. PUBLISHED NOVEMBER 4, 1947. Class 2.

435,962. LIQUID HAIR DRESSING. THOMAS WESLEY SWIFT, doing business as T. W. Swift Company, Winston-Salem, N. C., assignor to T. W. Swift Company, Winston-Salem, N. C., a corporation of North Carolina. Filed December 28, 1945. Serial No. 493,987. PUBLISHED MAY 27, 1947. Class 6.

435,963. WATERPROOFING COMPOSITION USED FOR TREATING LEATHER. SCIENTIFIC ANGLERS, Midland, Mich., assignor, by mesne assignments, to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed January 12, 1946. Serial No. 494,709. PUBLISHED DECEMBER 17, 1946. Class 4.

435,964. TOYS COMPRISING THIN FLAT BLADES, THE INNER ENDS OF WHICH ARE CONNECTED BY CORDS TO THE OUTER ENDS OF HAND STICKS WHICH MAY BE MANIPULATED BY THE PERSONS OPERATING THE TOYS, TO WHIRL THE BLADES. MARNET CO., Great Neck, N. Y. Filed January 24, 1946. Serial No. 495,315. PUBLISHED SEPTEMBER 30, 1947. Class 22.

435,965. PREPARATION CONTAINING VARIOUS AMINO ACIDS FOR USE AS A MEDICINAL PREPARATION IN CONJUNCTION WITH ULCER THERAPY, ETC. VITAMINS & PHARMACEUTICALS, INC., Dover, Del., assignor, by mesne assignments, to Bristol Laboratories, Inc., Syracuse, N. Y., a corporation of New York. Filed February 7, 1946. Serial No. 496,180. PUBLISHED SEPTEMBER 3, 1946. Class 6.

435,966. PERIODICAL PUBLICATION. ERNEST LANG, Los Angeles, Calif., assignor to Civilization, Inc., Los Angeles, Calif., a corporation of California. Filed February 21, 1946. Serial No. 497,028. PUBLISHED OCTOBER 21, 1947. Class 38.

435,967. DYESTUFFS AND TEXTILE COLORING MATERIALS. ARIDYE CORPORATION, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio. Filed March 11, 1946. Serial No. 497,935. PUBLISHED OCTOBER 21, 1947. Class 6.

435,968. SUITCASES, SUCH AS OVERNIGHT CASES. STINA LARSON, New York, N. Y. Filed April 12, 1946. Serial No. 500,089. PUBLISHED OCTOBER 28, 1947. Class 3.

- 435,960. DEVICE FOR TRANSMITTING POWER FROM AUTOMOBILES IN THE NATURE OF A MOUNT HAVING MEMBERS ADAPTED TO BE OPERATED BY AN AUTOMOBILE WHEEL, WHICH MEMBERS IN TURN ARE CONNECTED TO A POWER TAKE-OFF. ASPEREN MFG. CO., INC., New York, N. Y. Filed April 16, 1946. Serial No. 500,271. PUBLISHED OCTOBER 7, 1947. Class 23.
- 435,970. FOUNTAIN PENS AND BALL POINT FOUNTAIN PENS. SOLOMON M. SAGER, Chicago, Ill. Filed April 22, 1946. Serial No. 500,702. PUBLISHED OCTOBER 28, 1947. Class 37.
- 435,971. CHARTS. WILLIAM W. ANDREWS, Detroit, Mich. Filed April 29, 1946. Serial No. 501,107. PUBLISHED OCTOBER 28, 1947. Class 38.
- 435,972. TOYS SIMULATING HUMAN FIGURES, ANIMAL FIGURES, AND CARICATURES OF HUMAN AND ANIMAL FIGURES. AT-A-TOY COMPANY, Kansas City, Mo. Filed May 1, 1946. Serial No. 501,231. PUBLISHED OCTOBER 7, 1947. Class 22.
- 435,973. AEROSOL BOMBS. O'SULLIVAN, INC., Baltimore, Md. Filed May 21, 1946. Serial No. 502,529. PUBLISHED OCTOBER 14, 1947. Class 6.
- 435,974. TOY CONSISTING OF A HELICAL SPRING OF THIN FLAT RIBBON STEEL OR THE LIKE. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 23, 1946. Serial No. 502,675. PUBLISHED SEPTEMBER 30, 1947. Class 22.
- 435,975. DEODORANT FOR REFUSE CONTAINERS, SUCH AS GARBAGE CANS, ADAPTED TO REPEL DOGS, CATS, ANTS AND FLIES. SANALIZER CORPORATION, Los Angeles, Calif. Filed May 24, 1946. Serial No. 502,721. PUBLISHED OCTOBER 14, 1947. Class 6.
- 435,976. PLASTIC KNITTING NEEDLES. PLASTIC MATERIALS CORP., New York, N. Y. Filed May 28, 1946. Serial No. 502,918. PUBLISHED OCTOBER 21, 1947. Class 40.
- 435,977. MAGAZINE DEVOTED TO SOUTHERN HOMES, LIVING AND GARDENING. L. KEMPER WILSON, San Antonio, Tex. Filed June 6, 1946. Serial No. 503,408. PUBLISHED SEPTEMBER 30, 1947. Class 38.
- 435,978. PREPARATION FOR THE TREATMENT OF PILES. HENRY H. BEISNER, New York, N. Y. Filed June 7, 1946. Serial No. 503,417. PUBLISHED OCTOBER 14, 1947. Class 6.
- 435,979. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Filed June 20, 1946. Serial No. 504,839. PUBLISHED SEPTEMBER 30, 1947. Class 22.
- 435,980. RIBBONS LESS THAN TWELVE INCHES IN WIDTH WHICH ARE SOLD IN NINE FOOT LENGTHS. A. EDWARD FUNKE & COMPANY, INC., New York, N. Y. Filed July 8, 1946. Serial No. 505,195. PUBLISHED OCTOBER 14, 1947. Class 40.
- 435,981. NON-ELECTRICAL HAIR CURLERS. VICTOR NEWMAN, doing business as Mavic Enterprises, New York, N. Y. Filed July 8, 1946. Serial No. 505,225. PUBLISHED OCTOBER 14, 1947. Class 40.
- 435,982. CUFF BUTTONS, STUDS, DRESS BUTTONS, HAT ORNAMENTS, PURSE ORNAMENTS, SUSPENDER BUTTONS, GLOVE BUTTONS, ALL MADE OF A PLASTIC MATERIAL. DURANOL PRODUCTS, INC., Brooklyn, N. Y. Filed July 9, 1946. Serial No. 505,292. PUBLISHED NOVEMBER 4, 1947. Class 40.

- 435,983. PUNCHBOARDS, PULL SEAL CARDS, AND PUSH CARDS COMPRISING A FRAME INCLUDING PRINTED NUMBERS CONCEALED FROM THE PLAYER BY FLAPS OR COVERS, ETC. BEE JAY PRODUCTS, INCORPORATED, Chicago, Ill. Filed July 17, 1946. Serial No. 505,725. PUBLISHED SEPTEMBER 30, 1947. Class 22.
- 435,984. SHEET MUSIC. SELMA J. OETTINGER, doing business as Gate Music Co., New York, N. Y. Filed July 29, 1946. Serial No. 506,466. PUBLISHED SEPTEMBER 30, 1947. Class 38.
- 435,985. VETERINARY PREPARATION FOR USE IN THE TREATMENT OF HOOF ROT, CONTRACTED HOOFS, BARN ITCH, CUTANEOUS ERUPTIONS, THRUSHCANKER, AND CALK WOUNDS. HOWARD W. NAYLOR, doing business as H. W. Naylor Co., Morris, N. Y. Filed August 6, 1946. Serial No. 506,953. PUBLISHED OCTOBER 21, 1947. Class 6.
- 435,986. PHOTOGRAPHIC PRINTS DEVELOPED FOR THE TRADE. JAMES G. PEARSON, doing business as Pearson's Photo Service, Laurens, S. C. Filed August 7, 1946. Serial No. 507,016. PUBLISHED OCTOBER 21, 1947. Class 38.
- 435,987. BASEBALLS, SOFTBALLS, FOOTBALLS, BASKET-BALLS, SOCCERBALLS, VOLLEY-BALLS, TENNIS-BALLS, PLAY-BALLS, MEDICINE-BALLS, ETC. THE SPORTSPACER CORPORATION, New York, N. Y. Filed August 7, 1946. Serial No. 507,030. PUBLISHED SEPTEMBER 30, 1947. Class 22.
- 435,988. LUBRICATING OILS AND GREASES—NAMESLY, MOTOR OILS, DIESEL-ENGINE OILS, STEAM-CYLINDER OILS, ENGINE OILS, GRAPHITE GREASES, CUP GREASES, AND GEAR GREASES. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed August 15, 1946. Serial No. 507,485. PUBLISHED OCTOBER 21, 1947. Class 15.
- 435,989. LUBRICATING OILS AND GREASES—NAMESLY, MOTOR OILS, DIESEL-ENGINE OILS, STEAM-CYLINDER OILS, ENGINE OILS, GRAPHITE GREASES, CUP GREASES, AND GEAR GREASES. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed August 15, 1946. Serial No. 507,487. PUBLISHED OCTOBER 21, 1947. Class 15.
- 435,990. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES. JOLLY JEWELS, Baltimore, Md. Filed August 19, 1946. Serial No. 507,637. PUBLISHED OCTOBER 21, 1947. Class 28.
- 435,991. FENCING TOOL COMBINING THE FEATURES OF A PAIR OF PLIERS, A HAMMER, A STAPLE PULLER, AND A WIRE STRETCHER. HERCULES FORGE CORPORATION, Los Angeles, Calif. Filed September 3, 1946. Serial No. 508,427. PUBLISHED OCTOBER 14, 1947. Class 23.
- 435,992. LAMP SHADES MADE OF TRANSPARENT OR TRANSLUCENT PLASTIC MATERIALS. MEYER DANIEL, INC., New York, N. Y. Filed September 5, 1946. Serial No. 508,514. PUBLISHED SEPTEMBER 9, 1947. Class 34.
- 435,993. GOLF CLUBS OF THE CHARACTER KNOWN AS "PUTTERS." GENERAL MACHINE COMPANY, Milwaukee, Wis. Filed September 21, 1946. Serial No. 509,511. PUBLISHED SEPTEMBER 30, 1947. Class 22.
- 435,994. CENTRAL NERVOUS SYSTEM STIMULANT FOR THE TREATMENT OF NARCOLEPSY, MILD DEPRESSIVE STATES, AND POSTENCEPHALITIC PARKINSONISM. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., assignor to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. Filed September 23, 1946. Serial No. 509,621. PUBLISHED OCTOBER 21, 1947. Class 6.

- 435,995. TOYS—NAMESLY, DOLLS. SARAH S. CRAIG, doing business as Katie Kate's Doll House, Fayetteville, Ark. Filed September 27, 1946. Serial No. 509,829. PUBLISHED SEPTEMBER 30, 1947. Class 22.
- 435,996. INSULATED ELECTRIC CORD. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed October 8, 1946. Serial No. 510,429. PUBLISHED JANUARY 7, 1947. Class 21.
- 435,997. NEWSPAPER COLUMN. JAMES M. O'NEILL, Camden, N. J. Filed October 10, 1946. Serial No. 510,610. PUBLISHED OCTOBER 21, 1947. Class 38.
- 435,998. EMBROIDERY TRANSFER PATTERNS, AND FABRIC PIECES STAMPED FOR EMBROIDERING. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed October 16, 1946. Serial No. 510,926. PUBLISHED OCTOBER 28, 1947. Class 40.
- 435,999. INTRAMUSCULAR INJECTION PRODUCT FOR USE IN THE TREATMENT OF SUBNUTRITIONAL CONDITIONS. C. F. KIRK COMPANY, New York, N. Y. Filed October 19, 1946. Serial No. 511,163. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,000. WRAPPING PAPER. NEWARK PARAFFINE & PARCHMENT PAPER CO., Newark, N. J. Filed October 24, 1946. Serial No. 511,410. PUBLISHED SEPTEMBER 16, 1947. Class 37.
- 436,001. CANNED SARDINES. SALVATORE VENTIMIGLIA, doing business as California Frozen Fish Company, Monterey, Calif. Filed October 30, 1946. Serial No. 511,774. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,002. OATMEAL AND FARINA. THE BEST FOODS, INC., New York, N. Y. Filed November 12, 1946. Serial No. 512,369. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,003. PACKAGED FOODS—NAMESLY, BOXED LUNCHES, INCLUDING SANDWICHES, CAKE, COOKIES, AND POTATO CHIPS. SPROAT-SMITH, INC., Cheshire, Conn. Filed November 13, 1946. Serial No. 512,538. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,004. PREPARED MUSTARD. ROYAL DUTCH PRODUCTS CORP., New York, N. Y. Filed November 14, 1946. Serial No. 512,612. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,005. ULCER REMEDY FOR INTERNAL USE. ANTONIO MEGALIZZI, Detroit, Mich. Filed November 15, 1946. Serial No. 512,684. PUBLISHED OCTOBER 14, 1947. Class 6.
- 436,006. HYDRAULIC TRANSMITTER UNITS, HYDRAULIC RECEIVER UNITS, THERMAL COMPENSATOR UNITS, CHARGING VALVES, BLEEDER VALVES, ETC. NATIONAL MACHINE PRODUCTS, doing business as Ellinwood Industries, Los Angeles, Calif. Filed November 8, 1946. Serial No. 512,790. PUBLISHED OCTOBER 14, 1947. Class 23.
- 436,007. DEODORANT ADAPTED FOR USE IN THE FORM OF SCENT-EMANATING MATCHES WHICH WILL OVERCOME ALL ODORS IN KITCHENS, SICKROOMS, SMOKY ROOMS, BATHROOMS AND OTHER RESTRICTED AREAS, WHEN PLACED IN LIGHTED CONDITION. B AND R FABRICATIONS INC., Reno, Nev. Filed November 19, 1946. Serial No. 512,818. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,008. FRESH VEGETABLES—NAMESLY, FRESH TOMATOES, FRESH LETTUCE, AND FRESH CARROTS. BUCK WEISS-ROTHMAN & SOLOMON, Newark, N. J. Filed November 21, 1946. Serial No. 513,005. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,009. FRENCH DRESSING. HENRI MONTET, Charlotte, N. C. Filed November 22, 1946. Serial No. 513,068. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,010. PACKAGED RICE. EDMUNDSON-DUKE RICE MILL COMPANY, INC., Rayne, La. Filed November 29, 1946. Serial No. 513,393. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,011. DIAMOND RINGS. CHARLES S. RIVCHUN & SONS, Cleveland, Ohio. Filed December 2, 1946. Serial No. 513,583. PUBLISHED OCTOBER 21, 1947. Class 28.
- 436,012. NEWS MAGAZINE PUBLISHED QUARTERLY. THE OMICRON DELTA KAPPA SOCIETY, Cincinnati, Ohio. Filed December 5, 1946. Serial No. 513,758. PUBLISHED SEPTEMBER 30, 1947. Class 38.
- 436,013. PORTABLE ICE BOXES. TRAVELAIRE CORPORATION, Chicago, Ill. Filed December 13, 1946. Serial No. 514,230. PUBLISHED MARCH 18, 1947. Class 31.
- 436,014. ARTIFICIAL FLOWERS MADE OF FEATHERS FOR PERSONAL WEAR. JOHN F. FITZGERALD, JR., Flushing, N. Y. Filed December 15, 1946. Serial No. 514,336. PUBLISHED OCTOBER 14, 1947. Class 40.
- 436,015. AUTOMOBILE POLISH, FURNITURE POLISH, FURNITURE AND FLOOR WAX, AND SELF-POLISHING WAX FOR AUTOMOBILES AND FURNITURE. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed December 17, 1946. Serial No. 514,398. PUBLISHED SEPTEMBER 30, 1947. Class 16.
- 436,016. AUTOMOBILE POLISH, FURNITURE POLISH, FURNITURE AND FLOOR WAX, AND SELF-POLISHING WAX FOR AUTOMOBILES AND FURNITURE. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed December 17, 1946. Serial No. 514,400. PUBLISHED SEPTEMBER 30, 1947. Class 16.
- 436,017. LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa. Filed December 18, 1946. Serial No. 514,506. PUBLISHED OCTOBER 7, 1947. Class 15.
- 436,018. LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa. Filed December 18, 1946. Serial No. 514,509. PUBLISHED OCTOBER 7, 1947. Class 15.
- 436,019. CANNED FISH. SEUFERT BROTHERS COMPANY, The Dalles, Oreg. Filed December 26, 1946. Serial No. 514,852. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,020. AUTOMOBILE POLISH, FURNITURE POLISH, FURNITURE AND FLOOR WAX, AND SELF-POLISHING WAX FOR AUTOMOBILES AND FURNITURE. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed December 30, 1946. Serial No. 515,014. PUBLISHED OCTOBER 7, 1947. Class 16.
- 436,021. PERIODICAL. EQUITABLE PAPER BAG CO. INC., Long Island City, N. Y. Filed January 2, 1947. Serial No. 515,167. PUBLISHED OCTOBER 14, 1947. Class 38.
- 436,022. ROPE AND BALER TWINE. THE AVIATION CORPORATION, Coldwater, Ohio. Filed January 3, 1947. Serial No. 515,215. PUBLISHED SEPTEMBER 16, 1947. Class 7.
- 436,023. PRESSURE SENSITIVE PRINTED TAPE LABELS. TOPFLIGHT TOOL CO., INC., York, Pa. Filed January 4, 1947. Serial No. 515,282. PUBLISHED OCTOBER 21, 1947. Class 38.
- 436,024. MOUTHPIECE FOR MUSICAL INSTRUMENTS OF THE WIND TYPE. THOMAS MCCOLL, Gloucester City, N. J. Filed January 6, 1947. Serial No. 515,320. PUBLISHED OCTOBER 28, 1947. Class 36.

- 436,025. PHARMACEUTICAL PREPARATIONS, SPECIFICALLY LACTALBUMIN. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed January 6, 1947. Serial No. 515,336. PUBLISHED OCTOBER 14, 1947. Class 6.
- 436,026. BINDING SCREWS FOR LOOSE LEAF BINDERS. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa.
Filed January 7, 1947. Serial No. 515,356. PUBLISHED OCTOBER 28, 1947. Class 37.
- 436,027. MECHANICALLY GROOVED PHONOGRAPH RECORDS. SMILEY BURNETTE, doing business as Rancho Records, North Hollywood, Calif.
Filed January 13, 1947. Serial No. 515,654. PUBLISHED OCTOBER 28, 1947. Class 36.
- 436,028. PERFUME, COLOGNE, LIPSTICK, AND FACE POWDER. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed January 13, 1947. Serial No. 515,657. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,029. FIRE EXTINGUISHERS. MUTUAL INTERNATIONAL CORPORATION, New York, N. Y.
Filed January 14, 1947. Serial No. 515,721. PUBLISHED SEPTEMBER 30, 1947. Class 23.
- 436,030. CALENDARS. ARISTON, INCORPORATED, New York, N. Y.
Filed January 15, 1947. Serial No. 515,740. PUBLISHED OCTOBER 21, 1947. Class 38.
- 436,031. PERFUME. RENOIR PARFUMS, LTD., New York, N. Y.
Filed January 18, 1947. Serial No. 515,963. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,032. COMIC DRAWINGS, PUBLISHED IN DAILY PERIODICALS. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed January 18, 1947. Serial No. 515,968. PUBLISHED OCTOBER 21, 1947. Class 38.
- 436,033. AUTOMOBILE POLISH, FURNITURE POLISH, FURNITURE AND FLOOR WAX, AND SELF-POLISHING WAX FOR AUTOMOBILES AND FURNITURE. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed January 21, 1947. Serial No. 516,050. PUBLISHED OCTOBER 14, 1947. Class 16.
- 436,034. PUBLICATION ISSUED PERIODICALLY. MARKETING PUBLICATIONS, INC., New York, N. Y.
Filed January 21, 1947. Serial No. 516,084. PUBLISHED OCTOBER 21, 1947. Class 38.
- 436,035. AIRPLANES. McDONNELL AIRCRAFT CORPORATION, Lambert Field, St. Louis, Mo.
Filed January 25, 1947. Serial No. 516,367. PUBLISHED SEPTEMBER 16, 1947. Class 19.
- 436,036. LIQUID PETROLEOUS SOLVENTS FOR CARBON, PAINT, ANILINE DYES, VARNISH, GUMMY RESIDUES, FOR USE IN THE CLEANING OF MECHANICAL PARTS. PRACTICAL PRODUCTS COMPANY, Minneapolis, Minn.
Filed January 25, 1947. Serial No. 516,377. PUBLISHED SEPTEMBER 9, 1947. Class 4.
- 436,037. PAPER TABLE NAPKINS, TOILET TISSUE AND WAXED WRAPPING PAPER. GREEN VIEW TISSUE MILLS, INC., New York, N. Y.
Filed January 28, 1947. Serial No. 516,480. PUBLISHED OCTOBER 28, 1947. Class 37.
- 436,038. PERFUMES. LUCKY HEART LABORATORIES, INC., Memphis, Tenn.
Filed January 28, 1947. Serial No. 516,489. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,039. BLANK BOOKKEEPING FORMS. INEZ SMALLWOOD, doing business as Fidelity Audit and Tax Service, Asheville, N. C.
Filed January 28, 1947. Serial No. 516,509. PUBLISHED OCTOBER 28, 1947. Class 37.

- 436,040. BUTTONS, NON-PRECIOUS ORNAMENTS, AND BRAIDS FOR USE ON LADIES' CLOTHING AND HATS. CHICAGO HI-GRADE BUTTON CO., Chicago, Ill.
Filed January 30, 1947. Serial No. 516,604. PUBLISHED OCTOBER 14, 1947. Class 40.
- 436,041. LEATHER WRIST WATCH STRAPS. LASKO STRAP COMPANY, New York, N. Y.
Filed February 1, 1947. Serial No. 516,774. PUBLISHED OCTOBER 28, 1947. Class 40.
- 436,042. SHAVING BRUSHES, TOOTHBRUSHES, HAIRBRUSHES, CLOTHBRUSHES, NAIL AND HANDBRUSHES, AND HOUSEHOLD BRUSHES. PAL SHAVING BRUSH, INC., New York, N. Y.
Filed February 4, 1947. Serial No. 516,915. PUBLISHED OCTOBER 21, 1947. Class 29.
- 436,043. COMMERCIAL REFRIGERATORS. THE WARREN CO., INC., Atlanta, Ga.
Filed February 4, 1947. Serial No. 516,928. PUBLISHED APRIL 1, 1947. Class 31.
- 436,044. HIGH MODULUS, LOW CAPACITANCE, ORGANIC COMPOUNDING INGREDIENT FOR USE IN RUBBER INSULATION FOR ELECTRICAL WIRE AND AS A FIRMING OR STIFFENING MEDIA FOR RUBBER BOOTS, SHOES, HEELS AND SOLES AND OTHER MOLDED RUBBER PRODUCTS. HERRON BROS. & MEYER, New York, N. Y.
Filed February 5, 1947. Serial No. 516,984. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,045. WALLET, POCKETBOOKS, AND BILL FOLDS. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y.
Filed February 10, 1947. Serial No. 517,228. PUBLISHED OCTOBER 28, 1947. Class 3.
- 436,046. LUBRICATING OILS AND GREASES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del.
Filed February 10, 1947. Serial No. 517,269. PUBLISHED OCTOBER 7, 1947. Class 15.
- 436,047. ROPES, CORDS, AND TWINES MADE FROM HARD FIBRES. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed February 10, 1947. Serial No. 517,274. PUBLISHED SEPTEMBER 9, 1947. Class 7.
- 436,048. YARN. PETER FREUND KNITTING MILLS, North Bergen, N. J.
Filed February 11, 1947. Serial No. 517,299. PUBLISHED NOVEMBER 4, 1947. Class 43.
- 436,049. DIAMOND RINGS, COLORED STONE RINGS, ORNAMENTS CONSISTING OF PINS, BRACELETS, EARRINGS, AND NECKLACES MADE OF GOLD OR OF GOLD-FILLED METAL OR OF STERLING SILVER OR OF SILVER PLATED METAL. KLEIN, MULLER & HORTON, INC., New York, N. Y.
Filed February 12, 1947. Serial No. 517,370. PUBLISHED OCTOBER 21, 1947. Class 28.
- 436,050. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. O. S. DAVIGNON CO., Inc., North Attleboro, Mass.
Filed February 18, 1947. Serial No. 517,708. PUBLISHED OCTOBER 21, 1947. Class 28.
- 436,051. YARN. SPINNERIN YARN CO. INC., New York, N. Y.
Filed February 19, 1947. Serial No. 517,799. PUBLISHED SEPTEMBER 9, 1947. Class 43.
- 436,052. HYDRAULIC CEMENT BASE OR COMPOUNDS FOR COATING SURFACES OF MASONRY STRUCTURES, SUCH AS CONCRETE, BRICK, STONE, STUCCO, AND THE LIKE, TO WEATHERPROOF, DAMPPROOF AND DECORATE SAME. THE AMERICAN FLUORESCENT COMPANY, Cincinnati, Ohio.
Filed February 24, 1947. Serial No. 517,950. PUBLISHED JULY 15, 1947. Class 12.

- 436,053. HEAT EXCHANGING TUBING COMPRISING TUBING TO WHICH RADially PROJECTING SPINES OR DISCONTINUOUS FINS ARE CONNECTED AS BY FORMING SAME ON THE SIDE OF A CONTINUOUS STRIP AND HELICALLY WINDING THE STRIP EXTERIORLY OF THE TUBING. GORDON M. JACKSON, doing business as Cal-Fin Company, South Pasadena, Calif.
Filed February 25, 1947. Serial No. 518,079. PUBLISHED SEPTEMBER 16, 1947. Class 34.
- 436,054. YARN. SPINNERIN YARN CO. INC., New York, N. Y.
Filed February 25, 1947. Serial No. 518,109. PUBLISHED SEPTEMBER 9, 1947. Class 43.
- 436,055. BOXING GLOVES, BASEBALL GLOVES AND MITTS, PUNCHING BAGS, FOOTBALLS, BASKETBALLS, MEDICINE BALLS, AND CHILDREN'S PLAY BALLS OF LEATHER AND FABRIC. MIDWEST SPORTING GOODS MFG. CO., Milwaukee, Wis.
Filed February 28, 1947. Serial No. 518,305. PUBLISHED SEPTEMBER 30, 1947. Class 22.
- 436,056. DETERGENTS USED FOR REMOVING INK AND STAIN FROM THE HANDS. COPY-PLUS, INC., Milwaukee, Wis.
Filed March 7, 1947. Serial No. 518,662. PUBLISHED SEPTEMBER 23, 1947. Class 4.
- 436,057. BABY SLEEPING HARNESS. WILLIAM J. PAILEY, doing business as W. J. Pailey Co., Boston, Mass.
Filed March 7, 1947. Serial No. 518,691. PUBLISHED SEPTEMBER 23, 1947. Class 40.
- 436,058. FRESH DECIDUOUS FRUITS AND FRESH CITRUS FRUITS. NASH-DE CAMP COMPANY, Berkeley, Calif.
Filed March 8, 1947. Serial No. 518,732. PUBLISHED OCTOBER 7, 1947. Class 46.
- 436,059. SHAMPOO. COLGATE-PALMOLIVE-PET COMPANY, Jersey City, N. J.
Filed March 13, 1947. Serial No. 518,938. PUBLISHED SEPTEMBER 2, 1947. Class 6.
- 436,060. BILL FOLDS, POCKET BOOKS, PURSES, AND WALLET. NASH INC., Jersey City, N. J.
Filed March 13, 1947. Serial No. 518,964. PUBLISHED SEPTEMBER 23, 1947. Class 3.
- 436,061. WRIST WATCH ATTACHMENTS, MADE OF PRECIOUS OR SEMI-PRECIOUS METAL (NOT INCLUDING WATCHES). DORA GERSTENBLITH, doing business as Finesse Wristlet, Brooklyn, N. Y.
Filed March 15, 1947. Serial No. 519,066. PUBLISHED OCTOBER 21, 1947. Class 28.
- 436,062. AUTOMOBILE AND BICYCLE TIRE PUMPS AND AUTOMOBILE JACKS. OAKES & COMPANY, Chicago, Ill.
Filed March 15, 1947. Serial No. 519,090. PUBLISHED OCTOBER 21, 1947. Class 23.
- 436,063. EDIBLE SOY BEAN OIL. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y.
Filed March 15, 1947. Serial No. 519,105. PUBLISHED OCTOBER 14, 1947. Class 46.
- 436,064. COTTON YARN AND WARP. JANUARY AND WOOD COMPANY, Maysville, Ky.
Filed March 20, 1947. Serial No. 519,329. PUBLISHED SEPTEMBER 23, 1947. Class 43.
- 436,065. TWINE AND CORD. JANUARY AND WOOD COMPANY, Maysville, Ky.
Filed March 20, 1947. Serial No. 519,330. PUBLISHED NOVEMBER 4, 1947. Class 7.
- 436,066. CARPET WARP. JANUARY AND WOOD COMPANY, Maysville, Ky.
Filed March 20, 1947. Serial No. 519,331. PUBLISHED NOVEMBER 4, 1947. Class 43.
- 436,067. COTTON YARN. JANUARY AND WOOD COMPANY, Maysville, Ky.
Filed March 20, 1947. Serial No. 519,332. PUBLISHED NOVEMBER 4, 1947. Class 43.

- 436,068. ICE REFRIGERATORS FOR USE IN THE HOME. KING REFRIGERATOR CORPORATION, Brooklyn, N. Y.
Filed March 20, 1947. Serial No. 519,338. PUBLISHED OCTOBER 14, 1947. Class 31.
- 436,069. COMBS. PLATTNER COMPANY INC., Kansas City, Mo.
Filed March 24, 1947. Serial No. 519,490. PUBLISHED SEPTEMBER 23, 1947. Class 40.
- 436,070. UMBRELLAS. CHARLES HERTZ COMPANY, New York, N. Y.
Filed March 25, 1947. Serial No. 519,513. PUBLISHED SEPTEMBER 23, 1947. Class 41.
- 436,071. BILLFOLDS. KNIGHT LEATHER PRODUCTS CO., Inc., Boston, Mass.
Filed March 25, 1947. Serial No. 519,527. PUBLISHED OCTOBER 7, 1947. Class 3.
- 436,072. CAN OPENERS. ROBERT H. CLARK, doing business as Robert H. Clark Company, Beverly Hills, Calif.
Filed March 26, 1947. Serial No. 519,568. PUBLISHED OCTOBER 28, 1947. Class 23.
- 436,073. SNAP FASTENERS. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn.
Filed March 29, 1947. Serial No. 519,837. PUBLISHED SEPTEMBER 30, 1947. Class 40.
- 436,074. GRAVITY WARM AIR FURNACES, FORCED AIR FURNACES, AND AIR CONDITIONING FURNACES, (SAID FURNACES BEING EITHER COAL, WOOD, OIL OR GAS-FIRED), FORCED AIR BLOWERS, OIL BURNERS AND GAS BURNERS, ETC. CONNELLEY HEATING & AIR CONDITIONING COMPANY, St. Louis, Mo., and Springfield, Ill.
Filed April 1, 1947. Serial No. 519,927. PUBLISHED OCTOBER 14, 1947. Class 34.
- 436,075. ENTERIC COATED TABLETS OF FERROUS SULFATE. WALTER J. SCHNEIDER, Tenafly, N. J.
Filed April 1, 1947. Serial No. 519,985. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,076. RAT BAIT CONTAINING CEREALS AND RED SQUILL FOR POISONING RATS AND MICE, ROACH AND ANT FOOD CONTAINING POWDERED SODIUM FLUORIDE AND FOOD MATERIAL FOR USE IN DESTROYING ROACHES AND ANTS, ETC. NAY LABORATORIES, INC., Cincinnati, Ohio.
Filed April 7, 1947. Serial No. 520,290. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,077. PLASTIC, RAYON, AND MIXED RAYON AND COTTON YARNS FOR HAND USE. JOHN DREITZ & SONS, New York, N. Y.
Filed April 11, 1947. Serial No. 520,497. PUBLISHED SEPTEMBER 30, 1947. Class 43.
- 436,078. HAIR COMBS. STANLEY HOME PRODUCTS, INC., Westfield, Mass.
Filed April 14, 1947. Serial No. 520,653. PUBLISHED OCTOBER 7, 1947. Class 40.
- 436,079. WATCH BRACELETS. PAKULA AND COMPANY, Chicago, Ill.
Filed April 17, 1947. Serial No. 520,895. PUBLISHED OCTOBER 21, 1947. Class 28.
- 436,080. LADIES' HANDBAGS, BEACH BAGS, AND TRAVELLING BAGS. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed April 19, 1947. Serial No. 521,005. PUBLISHED OCTOBER 7, 1947. Class 3.
- 436,081. HANDBAGS. GARAY & CO., INC., New York, N. Y.
Filed April 23, 1947. Serial No. 521,185. PUBLISHED OCTOBER 7, 1947. Class 3.
- 436,082. CLOCKS, INCLUDING BOUDOIR, DESK, MANTEL, AND ALARM CLOCKS AND PARTS OF CLOCKS. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn.
Filed April 23, 1947. Serial No. 521,194. PUBLISHED OCTOBER 21, 1947. Class 27.

- 436,083. CLOCKS—INCLUDING BOUDOIR, DESK, MANTEL, AND ALARM CLOCKS AND PARTS OF CLOCKS. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn.
Filed April 23, 1947. Serial No. 521,196. PUBLISHED OCTOBER 21, 1947. Class 27.
- 436,084. CIGAR, CIGARETTE, AND PIPE LIGHTERS, OF THE CATALYTIC TYPE, AND PARTS FOR CIGAR, CIGARETTE, AND PIPE LIGHTERS; CIGARETTE AND CIGAR HOLDERS. LEKTROLITE CORPORATION, New York, N. Y.
Filed April 24, 1947. Serial No. 521,264. PUBLISHED SEPTEMBER 23, 1947. Class 34.
- 436,085. CIGAR, CIGARETTE, AND PIPE LIGHTERS OF THE CATALYTIC TYPE, AND PARTS FOR CIGAR, CIGARETTE, AND PIPE LIGHTERS. LEKTROLITE CORPORATION, New York, N. Y.
Filed April 24, 1947. Serial No. 521,265. PUBLISHED SEPTEMBER 23, 1947. Class 34.
- 436,086. DIURETIC PREPARATION FOR USE BY THE MEDICAL PROFESSION. CAMPBELL PRODUCTS, INC., New York, N. Y.
Filed April 26, 1947. Serial No. 521,379. PUBLISHED SEPTEMBER 16, 1947. Class 6.
- 436,087. ALARM CLOCKS, WATCHES, AND WATCH STRAPS. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed April 29, 1947. Serial No. 521,502. PUBLISHED OCTOBER 21, 1947. Class 27.
- 436,088. FOLDING BOXES FORMED OF ARTICULATED PANELS OF PLASTIC SHEETING, SUCH AS CELLULOSE ACETATE, AND BOXES FORMED IN PART OF SUCH PANELS AND IN PART OF BOXBOARD. THE INTERSTATE FOLDING BOX COMPANY, Middletown, Ohio.
Filed April 29, 1947. Serial No. 521,522. PUBLISHED NOVEMBER 4, 1947. Class 2.
- 436,089. HAIR BRUSHES, HAIR BRUSH SETS, AND HAIR BRUSH HANDLES. LACTONA INCORPORATED, St. Paul, Minn.
Filed May 5, 1947. Serial No. 521,908. PUBLISHED OCTOBER 14, 1947. Class 29.
- 436,090. HAIR BRUSHES, HAIR BRUSH SETS, AND HAIR BRUSH HANDLES. LACTONA INCORPORATED, St. Paul, Minn.
Filed May 5, 1947. Serial No. 521,909. PUBLISHED OCTOBER 14, 1947. Class 29.
- 436,091. HAIR BRUSHES, HAIR BRUSH SETS, AND HAIR BRUSH HANDLES. LACTONA INCORPORATED, St. Paul, Minn.
Filed May 5, 1947. Serial No. 521,910. PUBLISHED OCTOBER 14, 1947. Class 29.
- 436,092. BILLFOLDS, WALLET, OVERNIGHT BAGS, FITTED CASES, AND LADIES' HANDBAGS AND PURSES, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. MANUFACTURED SPECIALTIES, INC., New York, N. Y.
Filed May 9, 1947. Serial No. 522,160. PUBLISHED OCTOBER 21, 1947. Class 3.
- 436,093. HANDBAGS AND POCKETBOOKS. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed May 10, 1947. Serial No. 522,207. PUBLISHED OCTOBER 28, 1947. Class 3.
- 436,094. HAND KNITTING YARNS. VICTORIA NEEDLEWORK, INC., New York, N. Y.
Filed May 12, 1947. Serial No. 522,250. PUBLISHED OCTOBER 14, 1947. Class 43.
- 436,095. VENETIAN BLIND TAPES. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed May 12, 1947. Serial No. 522,285. PUBLISHED OCTOBER 14, 1947. Class 40.
- 436,096. BROOMS. THE NEW BREMEN BROOM COMPANY, New Bremen, Ohio.
Filed May 15, 1947. Serial No. 522,414. PUBLISHED OCTOBER 14, 1947. Class 29.

- 436,097. YARNS. NEW YORK YARN CO., INC., New York, N. Y.
Filed May 17, 1947. Serial No. 522,586. PUBLISHED OCTOBER 14, 1947. Class 43.
- 436,098. EFFERVESCENT SALT FOR THE TEMPORARY RELIEF OF GASEOUS DISTRESS. BARTHOLOMEW A. ALBINI, Hoboken, N. J.
Filed May 20, 1947. Serial No. 522,693. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,099. SMOKING PIPES. OTTO SEVIC, Chicago, Ill.
Filed May 22, 1947. Serial No. 522,801. PUBLISHED OCTOBER 28, 1947. Class 8.
- 436,100. SMOKING PIPES. OTTO SEVIC, Chicago, Ill.
Filed May 22, 1947. Serial No. 522,802. PUBLISHED OCTOBER 28, 1947. Class 8.
- 436,101. YARNS FOR ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed May 24, 1947. Serial No. 522,978. PUBLISHED OCTOBER 14, 1947. Class 43.
- 436,102. TWINE, ROPE, AND CORD. A. W. ARCHER CO. INC., New York, N. Y.
Filed May 26, 1947. Serial No. 523,065. PUBLISHED OCTOBER 14, 1947. Class 7.
- 436,103. DUST MOPS. THE CAPITOL PRODUCTS COMPANY, Baltimore, Md.
Filed May 28, 1947. Serial No. 523,200. PUBLISHED OCTOBER 14, 1947. Class 29.
- 436,104. NASAL SPRAY FOR THE PREVENTION OF COLDS. BENAR PHARMACAL COMPANY, San Francisco, Calif.
Filed June 2, 1947. Serial No. 523,353. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,105. CERTAIN RECEPTACLES MADE FROM SHEET METAL—NAMELY, VEGETABLE BINS, BREAD BOXES, ROLL TOP BREAD BOXES, CANISTER SETS, FLOUR CANISTERS, WASTE BASKETS, AND STEP-ON GARBAGE CANS. M. KAMENSTEIN, INC., New York and Masspeth, Long Island, N. Y.
Filed June 14, 1947. Serial No. 524,190. PUBLISHED NOVEMBER 4, 1947. Class 2.
- 436,106. INSECTICIDES. BENJAMIN D. SMITH, doing business as Smith Mfg. Co., Utica, N. Y.
Filed June 19, 1947. Serial No. 524,489. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,107. ANTI-SPASMODIC MEDICINAL PREPARATION USED IN THE TREATMENT OF SPASTIC COLON, PYLOROSPASM, BILIARY AND RENAL COLIC, DYSMENORRHEA, PEPTIC ULCER, BRONCHIAL ASTHMA, AND PYLORIC STENOSIS OF INFANTS. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y.
Filed June 21, 1947. Serial No. 524,604. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,108. MUSICAL INSTRUMENTS, SPECIFICALLY ACCORDIONS. ACE ACCORDION COMPANY, New York, N. Y.
Filed June 26, 1947. Serial No. 524,848. PUBLISHED OCTOBER 28, 1947. Class 36.
- 436,109. PERSONAL DEODORANT. COLGATE-PALMOLIVE-PET COMPANY, Jersey City, N. J.
Filed June 28, 1947. Serial No. 525,066. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,110. INSECTICIDES. CHEMOLA MANUFACTURING COMPANY, Houston, Tex.
Filed June 30, 1947. Serial No. 525,193. PUBLISHED OCTOBER 14, 1947. Class 6.
- 436,111. MOSQUITO IMMUNIZING AGENT SOLD IN THE FORM OF PILLS, INTRAMUSCULAR INJECTION FOR THE PREVENTION AND TREATMENT OF POISON-OAK AND POISON-IVY POISONING, ETC. GEORGE MARTIN BROEMMEL, also known as Geo. M. Broemmel, doing business as Broemmel Pharmaceuticals, San Francisco, Calif.
Filed July 3, 1947. Serial No. 525,783. PUBLISHED OCTOBER 21, 1947. Class 6.

ACT OF 1920

These registrations are not subject to opposition.

436,112. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg. Filed Mar. 14, 1944. Serial No. 468,297.

436,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AULABAUGH BROS., Brosius, W. Va. Filed Apr. 23, 1946. Serial No. 500,732.

CRUISER

FOR LIGHT WEIGHT TRACK-LAYING HIGH SPEED POWER DRIVEN UNIT USED FOR DRAWING SLEDS OVER SNOW COVERED TERRAIN.
Claims use since Nov. 1, 1943.

436,113. (CLASS 38. PRINTS AND PUBLICATIONS.) ROBERT B. MORRISON, Northbrook, Ill. Filed May 25, 1945. Serial No. 483,779.

The AIRCRAFT DEALER

FOR MONTHLY NEWS PUBLICATION RELATING TO AVIATION SALES AND SERVICE AND DISTRIBUTED TO DEALERS INTERESTED IN THE SALE OF PERSONAL AIRPLANES.
Claims use since Mar. 10 1945.

436,114. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SCOTT AVIATION CORPORATION, Lancaster, N. Y. Filed Feb. 13, 1946. Serial No. 496,522.

HANDI-AIR

FOR PORTABLE COMPRESSED AIR CARRIERS PROVIDED WITH A DISPENSING HOSE, GAGE, ETC., AND ADAPTED TO SUPPLY COMPRESSED AIR FOR THE FILLING OF AIRPLANE TIRES, ETC.
Claims use since June 15, 1944.

436,115. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STANDARD PRESSED STEEL CO., Jenkintown, Pa. Filed Mar. 2, 1946. Serial No. 497,578.

HALLOWELL

FOR HAND TOOLS—NAMELY, HOME KITS CONTAINING GIMLETS, TACK LIFTERS, KNIFE BLADES, SCREW DRIVERS AND CHISELS; AUTO KITS CONTAINING BITS AND CHUCKS; TOOL KITS CONTAINING RATCHETS, ADAPTORS, UNIVERSAL JOINTS AND EXTENSIONS; SOCKET WRENCH KITS CONTAINING EXTERNAL HEXAGON SOCKETS OR FASTENERS AND SOCKETS; AND SOCKET SCREW KEY SETS, A HAND TOOL FOR HOLDING SCREW DRIVER BITS.
Claims use since November 1945.

TOP O'BEST

Applicant is the owner of registration No. 358,662, May 8, 1938.
FOR CANNED FRUITS, CANNED TOMATO JUICE AND CANNED TOMATOES.
Claims use since Aug. 25, 1936.

436,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed May 7, 1946. Serial No. 501,589.

REPEL-O-FLAME

FOR FINISH FOR TEXTILES AND TEXTILE FABRICS, KNITTED AND OTHERWISE, FOR PRODUCING RESISTANCE AGAINST FLARING AND FLAMING UPON THE COMING INTO CONTACT OF SAID FABRICS WITH FIRE.
Claims use since April 1945.

436,118. (CLASS 38. PRINTS AND PUBLICATIONS.) ATLAS PUBLISHING COMPANY, New York, N. Y. Filed Aug. 21, 1946. Serial No. 507,709.

WORLD MARKETS

FOR MAGAZINE.
Claims use since May 1946.

436,119. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) R. H. SHEPPARD COMPANY, INCORPORATED, Hanover, Pa. Filed Sept. 5, 1946. Serial No. 508,555.

Sheppard

FOR INTERNAL COMBUSTION ENGINES.
Claims use since Oct. 1, 1940.

436,120. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MENASCO MANUFACTURING COMPANY, Burbank, Calif. Filed Oct. 21, 1946. Serial No. 511,228.

MALABAR

FOR AUTOMOBILE JACKS.
Claims use since June 10, 1940.

436,121. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Nov. 1, 1946. Serial No. 511,896.

SPORT STARS

FOR SPORTS MAGAZINE FOR BOYS TO BE PUBLISHED EVERY OTHER MONTH.
Claims use since Oct. 1, 1945.

436,122. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PINKING SHEARS CORPORATION, New York, N. Y. Filed Nov. 21, 1946. Serial No. 512,982.

PINK-RITE

FOR SHEARS OF METAL, PLASTIC OR OTHER MATERIAL WITH TEETH FOR CUTTING SERRATED EDGES.
Claims use since Jan. 20, 1938.

436,123. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JACK KURIS, New York, N. Y. Filed Feb. 7, 1947. Serial No. 517,141.

"KURIS"

FOR BUTTONS AND BUCKLES MADE OF NON-PRECIOUS METAL.
Claims use since 1933.

436,124. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GITS MOLDING CORPORATION, Chicago, Ill. Filed May 19, 1947. Serial No. 522,630.



FOR POCKET KNIVES, RAZOR KNIVES AND SPOONS OF BASE METAL.
Claims use since the year 1938.

436,125. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GITS MOLDING CORPORATION, Chicago, Ill. Filed May 19, 1947. Serial No. 522,632.



FOR POCKET KNIVES, RAZOR KNIVES AND SPOONS OF BASE METAL.
Claims use since 1941.

436,126. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRAZAR & COMPANY, New York, N. Y. Filed May 29, 1947. Serial No. 523,254.

FRAZAR

FOR HACK SAW BLADES.
Claims use since May 23, 1946.

436,127. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) HOM EASE PRODUCTS DIVISION, INC., Paterson, N. J. Filed June 10, 1947. Serial No. 523,936.



The drawing is lined for the colors blue and yellow.
FOR OIL AND GAS HEATERS, OIL FIRED STEAM AND HOT WATER DOMESTIC HEATING BOILERS, AND OIL BURNERS.
Claims use since Aug. 20, 1945.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

500,002. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) TUPPER CORPORATION, Farnumville, Mass. Filed July 17, 1947. Serial No. 528,836.



FOR COMBS.
Claims use since January 1944.

TRADE-MARK REGISTRATIONS RENEWED

22,385. "D.M.C." ETC. AND DESIGN. Registered Jan. 31, 1893. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France. Re-renewed Jan. 31, 1943 (as provided by P. L. 517, July 17, 1946), to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France, a corporation organized under the laws of the Republic of France. COTTON, LINEN, SILK, WOOLEN AND HAIR YARNS AND THREAD. Class 43.

22,387. "D.M.C." ETC. AND DESIGN. Registered Jan. 31, 1893. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France. Re-renewed Jan. 31, 1943 (as provided by P. L. 517, July 17, 1946), to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France, a corporation organized under the laws of the Republic of France. COTTON, LINEN, SILK, WOOLEN AND HAIR YARNS AND THREAD. Class 43.

22,388. "D.M.C." ETC. AND DESIGN. Registered Jan. 31, 1893. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France. Re-renewed Jan. 31, 1943 (as provided by P. L. 517, July 17, 1946), to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France, a corporation organized under the laws of the Republic of France. COTTON, LINEN, SILK, WOOLEN AND HAIR YARNS AND THREAD. Class 43.

50,864. VAN HOUTEN. Registered Apr. 3, 1906. C. J. Van Houten & Zoon. Re-renewed Apr. 3, 1946, to Commanditaire Vennootschap onder de firma C. J. van Houten & Zoon, Weesp, Netherlands, a limited partnership existing under the laws of the Netherlands. COCOA. Class 46.

53,037. ZYMOLE TROKEYS. Registered May 22, 1906. Frederick Stearns & Co., Detroit, Mich. Re-renewed May 22, 1946, to Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware. MEDICINES FOR AFFECTIONS OF THE THROAT AND BRONCHIAL TUBES. Class 6.

61,062. RIPOLETTE. Registered Mar. 5, 1907. Le Ripollin (Société Anonyme Française de Peintures Laquées et d'Enduits Sous-Marins Procédés Lefranc & Briegleb Réunis), Paris, France, and Amsterdam, Netherlands. Re-renewed Mar. 5, 1947, to Société Le Ripollin (Société Anonyme Française de Peintures Laquées et d'Enduits Sous-Marins, Procédés Lefranc & Briegleb Réunis), Paris, France, a French corporation. ENAMEL-PAINT. Class 16.

61,635. AMOLE. Registered Apr. 2, 1907. Mexican Amole Soap Co., Peoria, Ill. Re-renewed Apr. 2, 1947, to Amole Incorporated, Tipp City, Ohio, a corporation of Ohio. SOAP. Class 4.

- 62,300. "QUININE-PHTIN" AND RECTANGULAR BACKGROUND DESIGN. Registered Apr. 30, 1907. Society of Chemical Industry in Basle. Re-renewed Apr. 30, 1947, to Ciba Limited, Basel, Switzerland, a joint stock company organized and existing under the laws of Switzerland. COMBINATIONS OF QUININE AND ITS DERIVATES WITH THE ANHYDROXYMETHYLENDIPHOSPHORIC ACID AND ITS DERIVATIVES DESIGNED FOR USE AS ANTIPYRETIC TONICS. Class 6.
- 63,531. WASEO. Registered June 25, 1907. Lyon & Greenleaf, Wauseon, Ohio, and Ligonier, Ind. Re-renewed June 25, 1947, to Lyon & Greenleaf Company, Ligonier, Ind., a corporation of Indiana. WHEAT-FLOUR. Class 46.
- 63,690. VIYELLA. Registered July 2, 1907. William Hollins and Company, Limited, Mansfield, Radford, Nottingham, Bridgeton, and London, England, and Glasgow, Scotland. Re-renewed July 2, 1947, to William Hollins & Company, Limited, Nottingham, England, a United Kingdom corporation. WOOLEN PIECE GOODS AND HAIR CLOTH. Class 42.
- 65,333. "ARS ET VITA OSBORNE" AND DESIGN. Registered Sept. 17, 1907. The Osborne Company, Newark, N. J., and New York, N. Y. Re-renewed Sept. 17, 1947, to The Osborne Company, Clifton, N. J., a corporation of New Jersey. ADVERTISING-CALENDARS AND ADVERTISING-BLOTTERS. Classes 37 and 38.
- 66,547. XEROFORM. Registered Dec. 10, 1907. Chemische Fabrik von Heyden Aktien-Gesellschaft, Radebeul, near Dresden, Germany. Re-renewed Dec. 10, 1947, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware. PHENOL BISMUTH COMPOUND, AND A TRIBROMOPHENOL BISMUTH-COMPOUND. Class 6.
- 66,705. RIGALICO. Registered Dec. 24, 1907. Daprato Statuary Company, Chicago, Ill., a corporation of Illinois. Re-renewed Dec. 24, 1947. STATUARY. Class 50.
- 67,726. LAPERLA. Registered Feb. 18, 1908. Kingan and Company, Limited. Re-renewed Feb. 18, 1948, to Kingan & Co. Incorporated, Indianapolis, Ind., a corporation of New Jersey. CURED MEATS, AND SAUSAGE. Class 46.
- 147,303. DMC. Registered Oct. 11, 1921. Dollfus Mieg & Cie. Societe Anonyme, Mulhouse and Alsace, France. Renewed Oct. 11, 1941 (as provided by P. L. 517, July 17, 1946), to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France, a corporation organized under the laws of the Republic of France. INSTRUCTION-BOOKS, AND PRINTED MATTER ISSUED FROM TIME TO TIME. Class 38.
- 147,588. DMC. Registered Oct. 25, 1921. Dollfus Mieg & Cie. Societe Anonyme, Mulhouse and Alsace, France. Renewed Oct. 25, 1941 (as provided by P. L. 517, July 17, 1946), to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France, a corporation organized under the laws of the Republic of France. HOSIERY. Class 39.
- 154,795. ZITE. Registered May 9, 1922. La Societe Anonyme des Amictonnerie & Riserie de France, Marquette-Lille, France. Renewed May 9, 1942 (as provided by P. L. 517, July 17, 1946), to La Societe Anonyme des Amictonnerie & Riserie de France, Marquette-Les-Lille, France, a corporation of France. A SAUCE AND INGREDIENT FOR SAUCES, USED ALSO IN THE PREPARATION OF CREAMS, VEGETABLES, AND SOUPS. Class 46.
- 150,324. "FILTRE CHAMBERLAND SYSTEME PASTEUR" AND DESIGN. Registered June 20, 1922. Societe Anonyme du Filtre Chamberland, Systeme Pasteur, Paris, France, a corporation organized under the laws of the Republic of France. Renewed June 20, 1942 (as provided by P. L. 517, July 17, 1946). FILTERS. Class 31.
- 161,891. "LONG DISTANCE" AND DESIGN. Registered Nov. 14, 1922. Chicago Radio Laboratory. Renewed Jan. 5, 1948 (Supplemental Register), to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois. ELECTRICAL APPARATUS FOR RADIO SIGNALING—NAMESLY, RADIO RECEIVERS, AMPLIFIERS, TUNERS, DETECTORS, AND OTHER NAMED ITEMS OF SUCH ELECTRICAL APPARATUS. Class 21.
- 161,828. "AMER PICON" ETC. AND DRAWING. Registered Nov. 21, 1922. Picon & Cie., Marseille, France, a French firm. Renewed Nov. 21, 1942 (as provided by P. L. 517, July 17, 1946). MEDICINAL BITTER WINE. Class 6.
- 164,154. "LA QUINTESSENCE DE L'ORIENT". Registered Feb. 13, 1923. "Turmac" Turkish-Macedonian Tobacco Company, Arnhem, Netherlands. Renewed Feb. 13, 1943 (as provided by P. L. 517, July 17, 1946), to "Turmac" Turkish Macedonian Tobacco Company N. V., Amsterdam, Netherlands, a Dutch company. LEAF TOBACCO, SMOKING AND CHEWING TOBACCO, CIGARS, CIGARETTES, TOBACCO FOR SNUFFING, CIGAR FILLERS, CIGAR WRAPPERS, AND CIGAR BINDERS. Class 17.
- 189,877. "KWATTA'S" ETC. AND DRAWING. Registered Sept. 30, 1924. N. V. Stoom Chocolate & Cacao-fabriek "Kwatta", Breda, Netherlands, a Dutch company. Renewed Sept. 30, 1944 (as provided by P. L. 517, July 17, 1946). COCOA. Class 46.
- 191,342. "PARAPLUIE-REVEL" ETC. AND FANCIFUL DRAWING. Registered Nov. 4, 1924. Parapluie-Revel, Lyon, France, a French corporation. Renewed Nov. 4, 1944 (as provided by P. L. 517, July 17, 1946). UMBRELLAS AND PARASOLS. Class 41.
- 192,774. REPRESENTATION OF A DUTCH MAIDEN ETC. Registered Dec. 9, 1924. Naamlooze Vennootschap Hollandsche Kunstzijde Industrie, Emer, Breda, Netherlands. Renewed Dec. 9, 1944 (as provided by P. L. 517, July 17, 1946), to N. V. Hollandsche Kunstzijde Industrie, Breda, Netherlands, a Dutch corporation. ARTIFICIAL-SILK THREAD AND YARN. Class 43.
- 196,909. FORVIL. Registered Mar. 31, 1925. Societe Anonyme les Dentifrices du Docteur Pierre. Renewed Mar. 31, 1945 (as provided by P. L. 517, July 17, 1946), to Parfums Forvil et Dentifrices du Docteur Pierre Reunis, Societe Anonyme, Nanterre, France, a corporation organized under the laws of the Republic of France. SOAPS. Class 4.
- 210,815. "HOOD" AND DESIGN. Registered Mar. 23, 1926. Hood Rubber Company, Watertown, Mass. Renewed Mar. 23, 1946, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Class 39.
- 212,972. "DRI-STEAM 5 IN 1" AND DESIGN. Registered May 18, 1926. Dri-Steam Valve Corporation. Renewed May 18, 1946, to Drico Industrial Corporation, New York, N. Y., a corporation of Delaware. STEAM VALVES AND PARTS THEREOF. Class 13.
- 215,163. THE "VOGUE" ETC. AND DESIGN. Registered July 13, 1926. Vogel Brothers Company, Inc. Renewed July 13, 1946, to Max J. Grauer, doing business as M. J. Grauer Company, New York, N. Y. COLLAR BUTTONS, CUFF LINKS, WATCH, NECK, AND BELT CHAINS, PINS, COLLAR PINS, BELT BUCKLES, WATCH FOBS, TABLE AND POCKET KNIVES, FLASKS, IDENTIFYING PINS OF SEVERAL BENEVOLENT ORDERS, LINGERIE CLASPS, EARRINGS, SCARF PINS, FINGER AND NAPKIN RINGS, BRACELETS, INITIALED BELTS AND DRESS STUDS, ALL MADE OF OR PLATED WITH PRECIOUS METAL, WHOLLY OR IN PART. Class 28.

- 219,827. SAMARIN. Registered Oct. 26, 1926. Christian Cederroth. Renewed Oct. 26, 1946, to Christian Sten Sture Cederroth, Stockholm, Sweden. MINERAL WATERS AND MINERAL-WATER EXTRACTS. Class 45.
- 222,996. THE FAIRLEE. Registered Jan. 11, 1927. Ben Beekman. Renewed Jan. 11, 1947, to Beekman's, New Orleans, La., a copartnership. HATS FOR MEN AND BOYS. Class 39.
- 225,617. HANDELOK. Registered Mar. 22, 1927. Wolf Brothers. Renewed Mar. 22, 1947, to Wolf Brothers, Philadelphia, Pa., a firm. PAPER ENVELOPES AND BAGS FOR MERCHANDISE. Class 2.
- 225,717. MIRACLE WATER. Registered Mar. 22, 1927. Vincenzo Saporito, doing business as Saporito Company, Brooklyn, N. Y. Renewed Mar. 22, 1947. LOTION FOR ULCERS, ECZEMA, ERYTHEMA, MULTIFORMI, IMPETIGO, CURTAGIOSA, PUSTULES, ACNE, FISTULAS, CUTS, OLD SORES, AND OTHER SKIN DISEASES. Class 6.
- 226,767. "DIPLOMAT" AND DRAWING LINED FOR THE COLORS BLUE AND GREEN. Registered Apr. 19, 1927. Charters-Davis Company. Renewed Apr. 19, 1947, to R. H. Verity, Sons & Co., Corona, Calif., a copartnership. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.
- 227,529. "FRECKLES" AND REPRESENTATION OF A FRECKLE-FACED BOY. Registered May 10, 1927. Wilson-Collier Co. Inc. Renewed May 10, 1947, to Wilson-Collier Co., Boston, Mass., a corporation of Massachusetts. CHILDREN'S DRESSES, ROMPERS, AND BOYS' SUITS. Class 39.
- 227,850. AQUAFLYER. Registered May 17, 1927. Johnson Motor Co., South Bend, Ind. Renewed May 17, 1947, to Outboard, Marine & Manufacturing Company, Milwaukee, Wis., a corporation of Delaware. ROWBOATS AND MOTOR BOATS. Class 19.
- 227,939. DAWN. Registered May 17, 1927. Dawn Donut Company of Jackson, Jackson, Mich., a corporation of Michigan. Renewed May 17, 1947. DOUGHNUTS AND DOUGHNUT MIXTURE. Class 46.
- 228,206. "CHICKS THAT SATISFY" ETC. AND DRAWING. Registered May 24, 1927. Horace L. Campbell, Petersburg, Ill. Renewed May 24, 1947, to Horace L. Campbell, Springfield, Ill. LIVE CHICKS. Class 46.
- 228,878. GRAINS DE VALS. Registered June 14, 1927. La Societe Generale de Produits Specialises. Renewed June 14, 1947, to Societe Anonyme de Marques, Geneva, Switzerland, a corporation organized under the laws of the Confederation of Switzerland. LAXATIVE AND CATHARTIC IN SOLID FORM. Class 6.
- 228,983. D & D. Registered June 14, 1927. Michael J. Downey, Nashua, N. H. Renewed June 14, 1947, to Michael J. Downey, Worcester, Mass. LINIMENT FOR RHEUMATISM, SPRAINS, AND NEURALGIA. Class 6.
- 229,169. RADIOCLOCK. Registered June 21, 1927. Bernard D. Colen. Renewed June 21, 1947, to Robert H. Fisher, New York, N. Y. CLOCKS. Class 27.
- 229,970. PEARLAC. Registered July 12, 1927. Reichman & Faust. Renewed July 12, 1947, to Eterne Manufacturing Corporation, New York, N. Y., a corporation of New Jersey. Nail polish. Class 6.
- 230,310. C. Registered July 19, 1927. Compress Buckle Company, Fort Worth, Tex., and Attalla, Ala. Renewed July 19, 1947, to Compress Buckle Co. of Alabama, Inc., Attalla, Ala., a corporation of Alabama. BUCKLES FOR COTTON-BALE TIES. Class 13.
- 230,583. "THONET-WANNER" AND DESIGN. Registered Aug. 2, 1927. Thonet-Wanner Company. Renewed Aug. 2, 1947, to Thonet Brothers, Inc., New York, N. Y., a corporation of New York. FURNITURE—NAMESLY, DINING-ROOM SUITES, BEDROOM SUITES, BREAKFAST-ROOM SETS, PORTABLE WARDROBES, AND OTHER NAMED ARTICLES OF FURNITURE AND UPHOLSTERY. Class 32.
- 232,069. "QUAKER RUBBER CORPORATION RED-SKIN" ETC. Registered Aug. 30, 1927. Quaker City Rubber Company, Wissinoming, Philadelphia, Pa. Renewed Aug. 30, 1947, to Quaker Rubber Corporation, Philadelphia, Pa., a corporation of Delaware. BELTING. Class 35.
- 232,260. PACEMAKER. Registered Sept. 6, 1927. The Colorado Milling & Elevator Co., doing business as The Eaton Flour Mills, Denver and Eaton, Colo. Renewed Sept. 6, 1947, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT FLOUR. Class 46.
- 232,421. PRAIRIE HOME. Registered Sept. 6, 1927. The Colorado Milling & Elevator Co., also doing business as The Claflin Flour Mills, Denver, Colo., and Claflin, Kans. Renewed Sept. 6, 1947, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT FLOUR. Class 46.
- 232,689. GINGER CAKE. Registered Sept. 13, 1927. Oelerich & Berry Company, Chicago, Ill., a corporation of Illinois. Renewed Sept. 13, 1947. MOLASSES. Class 46.
- 232,759. ORTHO-CLEAR. Registered Sept. 13, 1927. Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware. Renewed Sept. 13, 1947. CELLULOSE-ESTER LACQUERS. Class 18.
- 233,233. TOM'S TOASTED PEANUTS. Registered Sept. 27, 1927. Tom Huston, doing business as Tom Huston Peanut Company. Renewed Sept. 27, 1947, to Tom Huston Peanut Co., Columbus, Ga., a corporation of Georgia. FRESH OR SALTED PEANUTS, NOT CONSTITUTING CONFECTIONS. Class 46.
- 233,245. MONOGRAM J F CO. Registered Sept. 27, 1927. J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois. Renewed Sept. 27, 1947. PACKAGING MACHINERY—NAMESLY, CARTON-SEALING MACHINES, MACHINES FOR AUTOMATICALLY FILLING PREDETERMINED AMOUNTS OF PRODUCTS INTO RECEPTACLES AND OTHER NAMED CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF. Class 23.
- 233,270. STAR. Registered Sept. 27, 1927. Mente & Co., Inc., New Orleans, La., a corporation of Louisiana. Renewed Sept. 27, 1947. SUGAR-BAG CLOTH FOR COVERING BALES OF GINNED COTTON. Class 42.
- 233,399. CAMPFIRE. Registered Sept. 27, 1927. The Colorado Milling & Elevator Co., Denver, Colo., also doing business as The Claflin Flour Mills, Claflin, Kans. Renewed Sept. 27, 1947, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT FLOUR. Class 46.
- 233,751. SILVERSTITCH. Registered Oct. 11, 1927. Acme Steel Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 11, 1947. GALVANIZED STAPLING WIRE. Class 14.
- 233,753. "LONE STAR" ETC. AND DESIGN. Registered Oct. 11, 1927. Thomas Wm. Burleson. Renewed Oct. 11, 1947, to T. W. Burleson & Son, Waxahachie, Tex., a firm. HONEY. Class 46.
- 234,274. THE CORSET AND UNDERWEAR REVIEW. Registered Oct. 18, 1927. Haire Publishing Company, New York, N. Y., a corporation of New York. Renewed Oct. 18, 1947. MONTHLY MAGAZINE. Class 38.
- 234,322. WELDFLO. Registered Oct. 25, 1927. Williams and Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 25, 1947. WELDING WIRE ADAPTED TO BE DEPOSITED ON A METAL ARTICLE IN THE PROCESS OF WELDING. Class 14.
- 234,818. CUPRONA. Registered Nov. 8, 1927. Courtaulds Limited, London, England, a United Kingdom corporation. Renewed Nov. 8, 1947. YARNS OF CELLULOSE. Class 43.

235,176. "TOP NOTCH" AND DESIGN. Registered Nov. 15, 1927. Ralphs-Pugh Company, San Francisco, Calif., a corporation of California. Renewed Nov. 15, 1947. MEN'S AND BOYS' WATERPROOFED LEATHER WORK COATS, VESTS, TROUSERS, BLOUSES, AND JACKETS; AND OTHER NAMED ARTICLES OF CLOTHING. Class 39.

235,850. TRU-LAC. Registered Nov. 29, 1927. True-Tagg Paint Company, Memphis, Tenn., a corporation of Tennessee. Renewed Nov. 29, 1947. BRUSHING LACQUERS, PREPARED SHELLAC SUBSTITUTES, AND VARNISHES. Class 16.

236,742. X-PRESS. Registered Dec. 20, 1927. Florin Fruit Growers' Association, Florin, Calif., a corporation of California. Renewed Dec. 20, 1947. FRESH FRUITS—NAMESLY, GRAPES AND STRAWBERRIES. Class 46.

236,832. ZIRCOPAX. Registered Dec. 27, 1927. The Titanium Alloy Manufacturing Company, Niagara Falls, N. Y. Renewed Dec. 27, 1947, to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine. OPAQUING AGENTS AND PIGMENTS IN THE MANUFACTURE OF ENAMELS AND GLAZES. Class 6.

236,833. MELTOPAX. Registered Dec. 27, 1927. The Titanium Alloy Manufacturing Company, Niagara Falls, N. Y. Renewed Dec. 27, 1947, to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine. OPAQUING AGENTS AND PIGMENTS IN THE MANUFACTURE OF ENAMELS AND GLAZES. Class 6.

236,918. REPRESENTATION OF LADY HOLDING A PIE. Registered Dec. 27, 1927. Merrell-Soule Company, Syracuse, N. Y. Renewed Dec. 27, 1947, to The Borden Company, New York, N. Y., a corporation of New Jersey. LEMON PIE FILLING. Class 46.

237,146. SODA MIDGETS. Registered Jan. 3, 1928. Independent Baking Company. Renewed Jan. 3, 1948, to Independent Biscuits, Inc., Davenport, Iowa, a corporation of Iowa. CRACKERS AND BISCUITS. Class 46.

237,292. KIPPY-KIT. Registered Jan. 3, 1928. Lawrence E. Goeller, doing business as Kippy-Kit Company, Circleville, Ohio. Renewed Jan. 3, 1948. CLOTHES BRUSHES AND WHISKS AND LEATHER CASES, SOLD AS A UNIT. Class 29.

237,407. TAMOL. Registered Jan. 10, 1928. Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 10, 1948. A CHEMICAL COMPOUND USED IN DYEING, BLEACHING, AND TANNING LEATHER, AND ALSO USED IN THE TEXTILE AND PRINTING INDUSTRIES FOR THE PRECIPITATION OF COLOR LAKES WITH BASIC DYES. Class 6.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

25,787. PROTONUCLEIN. Registered Jan. 1, 1895. John Carnrick. Renewed to Reed & Carnrick, Jersey City 6, N. J. AN ANTITOXINE AND TISSUE BUILDER. Class 6. Amended as follows: In the statement, line 27, delete "antitoxic" and change "an" to a; and in line 28 delete "killing poisonous" and insert in lieu thereof *destroying*.

238,026. GULLETT. Registered Jan. 24, 1928. Gullett Gin Co., Amite, La., a corporation of Louisiana. Renewed Jan. 24, 1948. COTTON-GINNING MACHINERY—GINS, FEEDERS, CONDENSERS, SEED-HANDLING DEVICES, PRESSES, CLEANERS, SEPARATORS, AND BOLL BREAKERS. Class 23.

238,145. COCA-COLA. Registered Jan. 31, 1928. The Coca Cola Company, Atlanta, Ga. Renewed Jan. 31, 1948, to The Coca-Cola Company, New York, N. Y., a corporation of Delaware. BEVERAGES AND SYRUPS FOR THE MANUFACTURE OF SUCH BEVERAGES. Class 45.

238,146. COCA-COLA. Registered Jan. 31, 1928. The Coca Cola Company, Atlanta, Ga. Renewed Jan. 31, 1948, to The Coca-Cola Company, New York, N. Y., a corporation of Delaware. BEVERAGES AND SYRUPS FOR THE MANUFACTURE OF SUCH BEVERAGES. Class 45.

238,485. HECLA. Registered Feb. 7, 1928. Vacuum Oil Company. Renewed Feb. 7, 1948, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. OILS, GREASES, AND WAXES OF ALL KINDS AND SIMILAR PRODUCTS FOR LUBRICATING, ILLUMINATING, HEATING, AND FUEL PURPOSES; ALSO GASOLINE. Class 15.

238,782. MASTERBILT. Registered Feb. 14, 1928. Craddock-Terry Company. Renewed Feb. 14, 1948, to Craddock-Terry Shoe Corporation, Lynchburg, Va., a corporation of Virginia. SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR A COMPOSITION OF LEATHER, FABRIC, OR RUBBER. Class 39.

239,656. HSGI. Registered Mar. 6, 1928. Hunt-Spiller Manufacturing Corporation, Boston, Mass., a corporation of Massachusetts. Renewed Mar. 6, 1948. UNFINISHED METAL CASTINGS FOR CLUTCH PARTS, BRAKE DRUMS, BRAKE DISCS, AND OTHER FRIC-TIONAL PARTS FOR AUTOMOTIVE VEHICLES AND OTHER APPARATUS. Class 14.

239,749. "JULIA MARLOWE" ETC. AND PICTURE. Registered Mar. 13, 1928. Corral, Wodiska y Ca., Tampa, Fla., a corporation of Florida. Renewed Mar. 13, 1948. CIGARS. Class 17.

240,161. "REIGNING BEAUTY" ENCLOSED IN CON-CENTRIC CIRCLES. Registered Mar. 20, 1928. Polan, Katz & Co. Renewed Mar. 20, 1948, to Polan, Katz & Company, Inc., Baltimore, Md., a corporation of Maryland. UMBRELLAS. Class 41.

240,486. "RASKAS" ENCLOSED IN SIX POINTED STAR. Registered Mar. 27, 1928. Louis S. Raskas. Renewed Mar. 27, 1948, to Raskas Dairy, Inc., St. Louis, Mo., a corporation of Missouri. DAIRY PRODUCTS—NAMESLY, BUTTER, MILK, SWEET CREAM, THICK CREAM, AND BUTTERMILK. Class 46.

240,820. TISSUE FLAKE. Registered Apr. 10, 1928. The Ohio Salt Company, Wadsworth, Ohio, a corporation of Ohio. Renewed Apr. 10, 1948. SALT. Class 46.

236,456. "KAMIKI GUITAR METHOD" AND FANCIFUL PICTURE. Registered Dec. 13, 1927. Wm. J. Smith Music Co. Inc., New York, N. Y. MUSICAL PUBLICATIONS. Class 38. Corrected as follows: In the certificate, line 2, State of incorporation, for "New Jersey" read *New York*.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 105,447. Registered July 27, 1915. NORTHRUP, KING & Co., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.



FOR SEEDS.
Claims use since Dec. 15, 1914.

Reg. No. 131,150. Registered May 4, 1920. KELLOGG SEED COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



FOR FIELD AND GRASS SEEDS.
Claims use since Oct. 9, 1919.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 132,037. Registered June 8, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.



FOR SOAP.
Claims use since May 8, 1915.

Reg. No. 132,229. Registered June 15, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.



FOR SOAP.
Claims use since Aug. 9, 1915.

Reg. No. 134,773. Registered Sept. 14, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.



No claim is made to the word "Soap."
FOR SOAP.
Claims use since Oct. 9, 1909.

Reg. No. 136,797. Registered Nov. 9, 1920. EMPIRE SOAP COMPANY, New York, N. Y. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

SMILES

FOR SOAP.
Claims use since Dec. 19, 1918.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 134,805. Registered Sept. 14, 1920. THE SINCLAIR MANUFACTURING COMPANY, Toledo, Ohio. Republished by H. M. Sinclair, Jr., trustee for The Sinclair Manufacturing Company, Toledo, Ohio, a partnership of Ohio.



FOR POWDERED LYE.
Claims use since Oct. 11, 1915.

Reg. No. 139,044. Registered Jan. 18, 1921. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR DEODORANT AND GERMICIDE.
Claims use since April 1918.

Reg. No. 140,015. Registered Mar. 1, 1921. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.



The letters "C/P" are disclaimed.
FOR GLYCERIN.
Claims use since latter part of May 1919.

Reg. No. 144,568. Registered July 12, 1921. DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Trade Mark" are disclaimed.
FOR A SYSTEM-TONIC TO IMPROVE THE APPE-TITE, TO PROMOTE DIGESTION TO REGULATE THE ACTION OF THE BOWELS, AND TO QUIET THE NERVOUS SYSTEM, BENEFICIALLY AFFECTING THE KIDNEYS AND THE LIVER, PRODUCING THEREBY SALUTARY EFFECTS UPON THE BLOOD STREAM AND THE ENTIRE SYSTEM.
Claims use since July 30, 1920.

CLASS 7 CORDAGE

Reg. No. 132,974. Registered July 6, 1920. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Republished by registrant.



The words "The" and "Brand" are disclaimed.
FOR ROPE, CORD, TWINE, AND BINDER-TWINE.
Claims use since Nov. 1, 1919.

Reg. No. 142,709. Registered May 17, 1921. THE PORTLAND CORDAGE CO., Portland, Oreg. Republished by Tubbs Cordage Company, San Francisco, Calif., a corporation of California.

"SEAPORT"

FOR MANILA ROPE.
Claims use since Mar. 1, 1920.

Reg. No. 142,713. Registered May 17, 1921. THE PORTLAND CORDAGE CO., Portland, Oreg. Republished by Tubbs Cordage Company, San Francisco, Calif., a corporation of California.



FOR MANILA ROPE.
Claims use since March 1920.

Reg. No. 149,485. Registered Dec. 13, 1921. THE PORTLAND CORDAGE CO., Portland, Oreg. Republished by Tubbs Cordage Company, San Francisco, Calif., a corporation of California.

"BRONCHO BRAND" RED THREAD

The word "Brand" is disclaimed.
FOR LARIAT-ROPE.
Claims use since November 1908.

Reg. No. 150,932. Registered Jan. 10, 1922. THE PORTLAND CORDAGE CO., Portland, Oreg. Republished by Tubbs Cordage Company, San Francisco, Calif., a corporation of California.

"RED THREAD" TRANSMISSION OF POWER ROPE

The words "Transmission of Power Rope" are disclaimed.
FOR TRANSMISSION ROPE.
Claims use since September 1905.

Reg. No. 155,052. Registered May 16, 1922. THE PORTLAND CORDAGE CO., Portland, Oreg. Republished by Tubbs Cordage Company, San Francisco, Calif., a corporation of California.

Clover Leaf

FOR MANILA ROPE.
Claims use since Jan. 1, 1891.

Reg. No. 177,938. Registered Jan. 1, 1924. THE PORTLAND CORDAGE CO., Portland, Oreg. Republished by Tubbs Cordage Company, San Francisco, Calif., a corporation of California.

SKOOKUM

FOR ROPE AND TWINE MADE OF HARD FIBER.
Claims use since March 1918.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 142,147. Registered May 3, 1921. STEARNS MCKAY MANUFACTURING CO., Marblehead, Mass. Republished by Stearns-McKay Manufacturing Company, Boston, Mass., a corporation of Massachusetts.



FOR HARD FIBRE TWINE AND CORDAGE FOR WRAPPING LATH AND THE LIKE.
Claims use since June 1923.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 142,637. Registered May 17, 1921. THE NELSON-EISMANN-QUIST CO., Chicago, Ill. Republished by The Nelson-Eismann Company, Chicago, Ill., a corporation of Illinois.



The word "Brand" is disclaimed.
FOR CARBON-PAPER AND TYPEWRITER RIBBONS.
Claims use since July 1910.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 136,679. Registered Nov. 2, 1920. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

AERZONATOR

FOR DEODORIZING DEVICES.
Claims use since April 1918.

Reg. No. 136,971. Registered Nov. 9, 1920. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SOAPERIOR

FOR SOAP-DISPENSERS.
Claims use since September 1918.
606 O. G.—28



The lining indicates the colors red, blue, and yellow.
FOR READY-MIXED PAINT.
Claims use since 1905.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 146,555. Registered Sept. 13, 1921. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Beldenamel

FOR MAGNET-WIRES.
Claims use since Jan. 1, 1910.

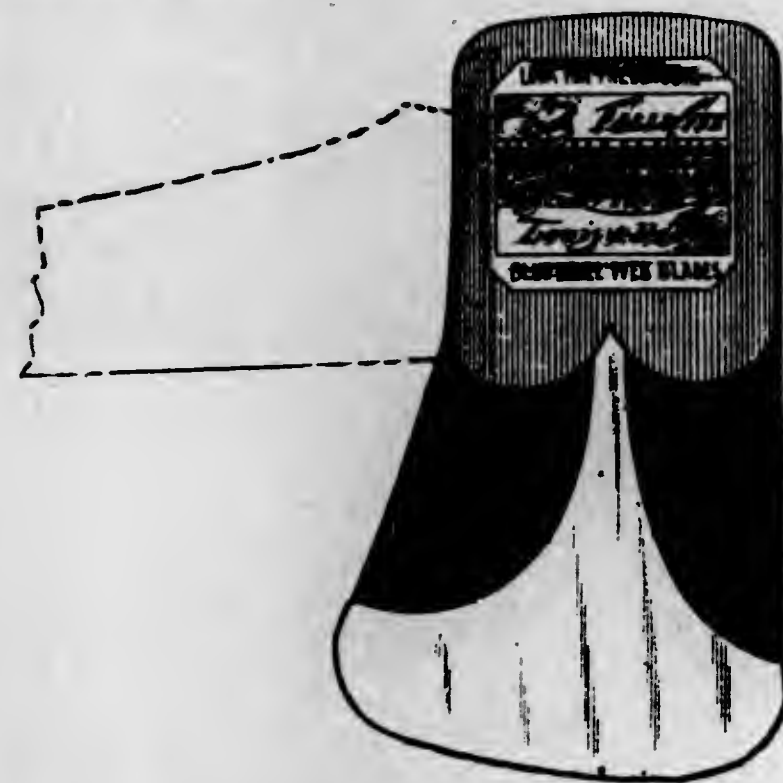
Reg. No. 146,556. Registered Sept. 13, 1921. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

"Beldento"

FOR RUBBER-COVERED ELECTRICAL CONDUCTORS.
Claims use since Jan. 1, 1910.

CLASS 23 CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 27,371. Registered Nov. 26, 1895. KELLY AXE MANUFACTURING COMPANY, Alexandria, Ind., Louisville, Ky., and New York, N. Y. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.



The shading indicates contrasting colors.
FOR AXES.
Claims use since about March 1887.

Reg. No. 134,165. Registered Aug. 17, 1920. THE EASTERN MACHINE SCREW CORPORATION, New Haven, Conn., a corporation of Connecticut. Republished by registrant.



FOR AUTOMATIC DIE-HEADS, COLLAPSIBLE TAPS, THREADING-MACHINES, AND SCREW-MACHINES.
Claims use since January 1916.

Reg. No. 140,522. Registered Mar. 15, 1921. PRATT & WHITNEY COMPANY, New York, N. Y. Republished by Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey.

CURVEX

FOR MILLING CUTTERS.
Claims use since Dec. 19, 1919.

Reg. No. 147,319. Registered Oct. 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

LIGHTNING

FOR SCREW-CUTTING DIES, TAPS, TAPPING ATTACHMENTS, DIESTOCKS, TAP-WRENCHES, ETC.
Claims use since July 1874.

Reg. No. 147,320. Registered Oct. 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

O.K.

FOR SCREW CUTTING DIES, TAPS, TAPPING ATTACHMENTS, DIESTOCKS, TAP WRENCHES, ETC.
Claims use since December 1912.

Reg. No. 147,321. Registered Oct. 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

GREEN RIVER

FOR SCREW CUTTING DIES, TAPS, TAPPING ATTACHMENTS, DIESTOCKS, TAP WRENCHES, ETC.
Claims use since July 1874.

Reg. No. 147,322. Registered Oct. 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR SCREW CUTTING DIES, TAPS, TAPPING ATTACHMENTS, DIESTOCKS, TAP WRENCHES, ETC.
Claims use since Oct. 1, 1915.

CLASS 25 LOCKS AND SAFES

Reg. No. 143,613. Registered June 7, 1921. THE GENERAL FIREPROOFING CO., Youngstown, Ohio, a corporation of Ohio. Republished by registrant.



The word "Allsteel" is disclaimed.
FOR SAFES, KEYS, LOCKS, SAFE FITTINGS AND SAFE INTERIORS AND PARTS THEREOF.
Claims use since July 21, 1920.

CLASS 27 HOROLOGICAL INSTRUMENTS

Reg. No. 130,058. Registered Apr. 6, 1920. DE LUXE CLOCK & MFG. CO. INC., New York, N. Y. Republished by The Lux Clock Manufacturing Company, Waterbury, Conn., a corporation of Connecticut.

LUX

FOR ALARM-CLOCKS AND OTHER CLOCKS.
Claims use since Oct. 1, 1918.

CLASS 28 JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 142,848. Registered May 17, 1921. THE WOLFSON COMPANY, Chicago, Ill. Republished by Peerless Wolfson Company, Chicago, Ill., a corporation of Illinois.



PEERLESS

No claim is made to the word "Peerless."
FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES.
Claims use since 1912.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 147,606. Registered Oct. 25, 1921. THE GENERAL FIREPROOFING CO., Youngstown, Ohio, a corporation of Ohio. Republished by registrant.

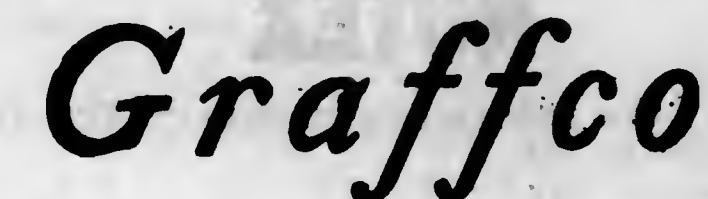
Allsteel

The word "Allsteel" is disclaimed.
FOR FILING AND STORAGE CABINETS, AND BOXES, DRAWERS, CASES, SECTIONS, ETC.
Claims use since July 21, 1920.

CLASS 37

PAPER AND STATIONERY

Reg. No. 103,233. Registered Mar. 23, 1915. GEORGE B. GRAFF COMPANY, Boston, Mass. Republished by George B. Graff Company (1928), Cambridge, Mass., a corporation of Massachusetts.



FOR FILE SIGNALS, INDEX-TABS, PAPER CLIPS.
Claims use since June 15, 1914.

Reg. No. 132,242. Registered June 15, 1920. SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The representation of an inkstand is disclaimed; and the word "Sengbusch" is a portion of a facsimile of the signature of the president of the corporation.
FOR INKSTANDS AND INKWELLS.
Claims use since about Apr. 21, 1903.

Reg. No. 132,520. Registered June 22, 1920. SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The representation of a sanitary moistener is disclaimed; and the word "Sengbusch" is a portion of a facsimile of the signature of the president of the corporation.
FOR SANITARY MOISTENERS FOR GUMMED SURFACES.
Claims use since on or about June 1, 1915.

Reg. No. 132,868. Registered June 29, 1920. ZELLERBACH PAPER COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.



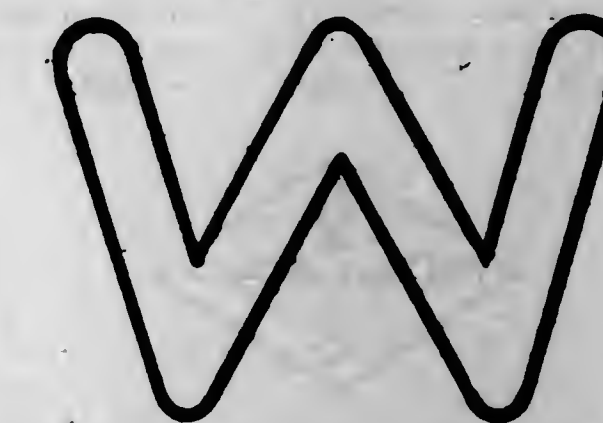
The word "Paper" is disclaimed.
FOR PRINTING-PAPER, WRITING-PAPER, WRAPPING-PAPER, STRAWBOARDS, SHIPPING-TAGS, MAILING-ENVELOPS, AND TOILET-PAPER.
Claims use since 1889 for printing-paper, writing-paper and wrapping-paper; since 1897 for strawboards, shipping-tags and envelopes; and since 1918 for toilet-paper.

Reg. No. 201,341. Registered July 21, 1925. SAN JOSE PAPER CO., San Jose, Calif. Republished by Zellerbach Paper Company, San Francisco, Calif., a corporation of California.

ALUM ROCK

FOR PRINTING PAPER, WRITING PAPER, WRAPPING PAPER, TOILET PAPER, WRITING-PAPER TABLETS.
Claims use since November 3, 1903.

Reg. No. 261,379. Registered Sept. 17, 1929. WESTERN WAXED PAPER COMPANY OF OREGON, Portland and North Portland, Oreg. Republished by Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif., a corporation of Nevada.



FOR GUMMED SEALING TAPE.
Claims use since Oct. 14, 1928.

CLASS 39 CLOTHING

Reg. No. 73,207. Registered Mar. 30, 1909. JOSEPH BLACK & SONS COMPANY, York, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR STOCKINGS.
Claims use since Sept. 8, 1908.

Reg. No. 138,259. Registered Dec. 21, 1920. MAX HOFFMAN, Boston, Mass. Republished by registrant.



No claim is made to the words "Union Made" and "Overalls."
FOR OVERALLS, JUMPERS, PANTS, AND JACKETS.
Claims use since Mar. 15, 1920.

CLASS 40 FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 130,215. Registered Apr. 13, 1920. MORLEY BUTTON MANUFACTURING COMPANY, Portland, Maine, and Boston, Mass. Republished by The Morley Company, Portsmouth, N. H., a corporation of Maine.



The word "Quality" is disclaimed.
FOR NON-METALLIC BUTTONS.
Claims use since Apr. 21, 1919.

Reg. No. 144,010. Registered June 21, 1921. MORLEY BUTTON MANUFACTURING COMPANY, Boston, Mass. Republished by The Morley Company, Portsmouth, N. H., a corporation of Maine.

MORLEY

FOR BUTTONS.
Claims use since 1890.

CLASS 44 DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 126,973. Registered Oct. 14, 1919. WHITALL TATUM COMPANY, New York, N. Y. Republished by Armstrong Cork Company, Manheim Township, Lancaster County, Pa., a corporation of Pennsylvania.

TIP TOP

FOR ELASTIC NURSING-NIPPLES.
Claims use since Oct. 2, 1911.

Reg. No. 134,900. Registered Sept. 21, 1920. THE CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis. Republished by International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.

KOTEX

FOR SANITARY NAPKINS.
Claims use since on or about Aug. 15, 1919.

CLASS 46 FOODS AND INGREDIENTS OF FOODS

Reg. No. 128,488. Registered Jan. 6, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

NUTEX

FOR LARD SUBSTITUTE MANUFACTURED FROM COTTONSEED OIL.
Claims use since Dec. 18, 1918.

Reg. No. 130,230. Registered Apr. 13, 1920. THE ROBINSON MILLING COMPANY, Salina, Kans., a corporation of Kansas. Republished by registrant.



FOR WHEAT-FLOUR.
Claims use since Jan. 30, 1919.

Reg. No. 130,894. Registered May 4, 1920. THE ROBINSON MILLING COMPANY, Salina, Kans., a corporation of Kansas. Republished by registrant.



FOR WHEAT-FLOUR.
Claims use since Jan. 30, 1919.

Reg. No. 136,205. Registered Oct. 26, 1920. JULIUS STROMEYER, Philadelphia, Pa. Republished by J. Stromeier Company, Philadelphia, Pa., a corporation of Pennsylvania.



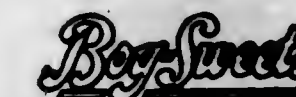
No claim is made to the word "Brand."
FOR TABLE-SYRUPS CONTAINED IN SEALED CONTAINERS.
Claims use since 1901.

Reg. No. 139,523. Registered Feb. 8, 1921. EAGLE ROLLER MILL CO., New Ulm, Minn., a corporation of Minnesota. Republished by registrant.

PURE SILVER

FOR FLOUR MADE FROM WHEAT.
Claims use since Aug. 1, 1889.

Reg. No. 144,549. Registered July 12, 1921. ENOCH F. BILLS, Bordentown, N. J. Republished by National Cranberry Association, Hanson, Mass., a corporation of Delaware.



FOR CRANBERRY JELLY.
Claims use since Nov. 11, 1920.

Reg. No. 145,969. Registered Aug. 23, 1921. EAGLE ROLLER MILL CO., New Ulm, Minn., a corporation of Minnesota. Republished by registrant.

SURPRISE

FOR FLOUR MADE FROM WHEAT.
Claims use since Nov. 9, 1872.

Reg. No. 146,064. Registered Aug. 30, 1921. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present location New York, N. Y.

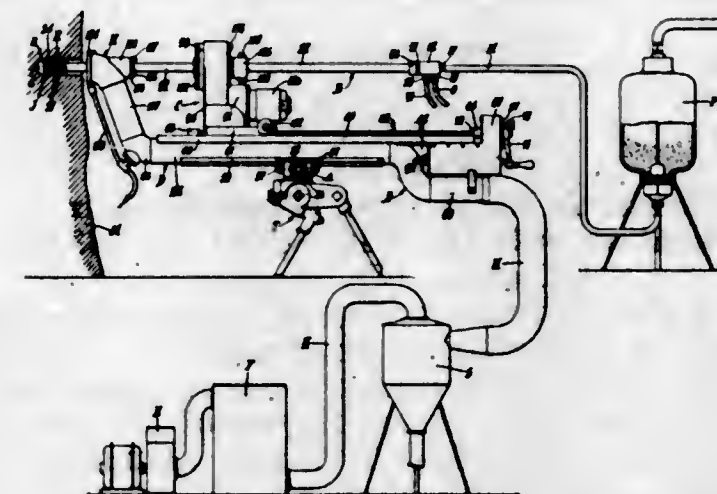
Dots

FOR SUGAR FOR USE AS A FOOD.
Claims use since Oct. 28, 1920.

REISSUES

JANUARY 20, 1948

22,964
**METHOD OF AND APPARATUS FOR WORK-
 ING MINERAL MATERIALS AND THE LIKE**
 Charles J. Burch, Pittsburgh, Pa., assignor to The
 Linde Air Products Company, a corporation of
 Ohio
 Original No. 2,327,496, dated August 24, 1943, Se-
 rial No. 368,288, December 3, 1940. Application
 for reissue September 4, 1947, Serial No. 772,043
 24 Claims. (Cl. 255—1.8)

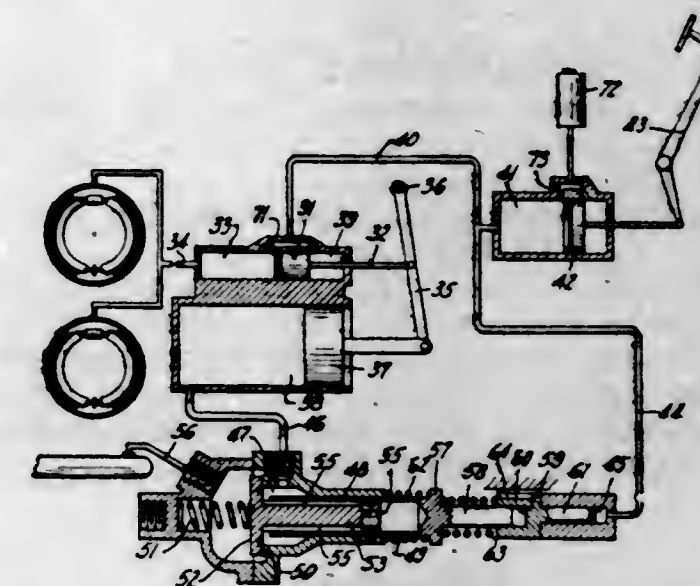


20. Apparatus for piercing a hole in a mass of mineral material or the like comprising, in combination, an elongated heating device having front and rear ends, said heating device being constructed to provide intense heat adjacent said front end; tooth means carried by said heating device and projecting therefrom adjacent said front end; said heating device having a passage for fluid coolant and port means arranged for discharging coolant therefrom to a region in front of at least part of said tooth means; advancing mechanism operable to advance said heating device and tooth means into such mass in a direction lengthwise of said device to form a hole; and mechanism operable to rotate said tooth means during the operation of said advancing mechanism.

22,965
SERVO BRAKE MECHANISM
 Geoffrey Robert Greenbergh Gates, London, Eng-
 land, assignor, by direct and mesne assign-
 ments, to Bendix Aviation Corporation, Chi-
 cago, Ill., a corporation of Delaware
 Original No. 2,252,482, dated August 12, 1941, Se-
 rial No. 153,846, July 15, 1937. Application for
 reissue April 5, 1944, Serial No. 529,671
 24 Claims. (Cl. 188—152)

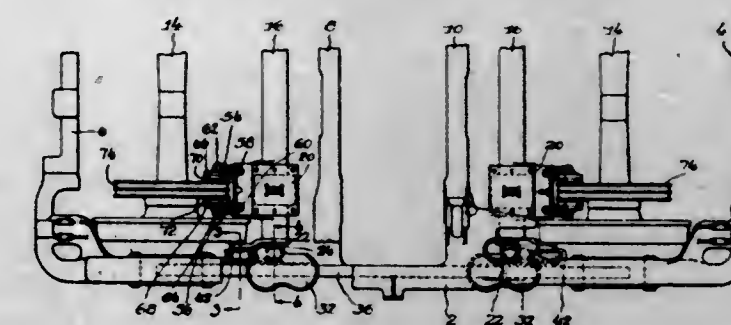
1. In a system of the class described, for operating brakes, a pedal cylinder, a foot pedal operatively connected therewith, a booster, a slave cylinder operatively connected with the booster effecting operation of the booster upon depression of the foot pedal, a master cylinder operated by the booster for supplying hydraulic pressure to the brakes for operating said brakes, means normally permitting direct hydraulic communication between the pedal cylinder and the brakes through the master cylinder, but closing off such communication during operation of the

master cylinder by the booster, and a variable volume device adapted to have the volume thereof increased by operation of the booster, the



liquid required to fill the increased volume being withdrawn from the pedal cylinder side of the system, thus reducing pressure in the system and balancing the depressive effort on the pedal with the effort exerted by the booster.

22,966
RAILWAY BRAKE
 Carl E. Tack and Wesley A. Helsten, Chicago, Ill.,
 assignors to American Steel Foundries, Chi-
 cago, Ill., a corporation of New Jersey
 Original No. 2,399,071, dated April 23, 1946, Serial
 No. 501,363, September 6, 1943. Application for
 reissue March 21, 1947, Serial No. 736,193
 24 Claims. (Cl. 188—59)



1. In a brake arrangement, a truck structure comprising spaced wheel and axle assemblies, unsprung equalizers supported thereon, spring seats on said equalizers adjacent each assembly, a truck frame spring-supported from said seats and including spaced transoms, and brake mechanism including brake supports carried from said seats intermediate each assembly and the adjacent transom, said brake mechanism being independent of sprung portions of said truck structure, each of said brake supports comprising clasp brake means with brake shoes for engagement with rotatable means on the adjacent assembly, and each of said brake supports having at each end thereof spaced resilient connections to the adjacent seat, one of said connections being in the vertical plane of said support.

PLANT PATENTS

GRANTED JANUARY 20, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

780

STRAWBERRY PLANT

Matthew James Johnson, Thornhill, Ontario, Canada, assignor to the R. M. Kellogg Company, Three Rivers, Mich.
Application October 21, 1946, Serial No. 704,573
1 Claim. (Cl. 47-62)

A new and distinct variety of strawberry plant substantially as hereindisclosed, characterized as to novelty by its vigorous growth, stronger plant, the large size and blunt conical shape of its berries, the darker red color and palatably sweet and mildly aromatic flavor of the berries.

781

ROSE PLANT

Marguerite Dénoyel, Venissieux, Lyon, France, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application November 4, 1942, Serial No. 464,556
1 Claim. (Cl. 47-61)

A new and distinct variety of rose plant, characterized

as to novelty by its habit of rugged upright growth, the color and abundance of its leathery foliage closely spaced on the stems, and the large size and color of the individual flowers which tend to uniformly lighten from Begonia Pink to Rose Doree in a manner unusual among pink roses, substantially as shown and described.

782

GRAPEVINE

Chester A. Sanderson, Glendale, Ariz.
Application July 16, 1946, Serial No. 683,843
1 Claim. (Cl. 47-62)

A new and distinct variety of grape vine, characterized dominantly as to novelty by its outstanding habit of vigorous growth and hardiness; color of and mild, sweet flavor of its berries; great productivity; and form and abundance of its foliage and fruit clusters, substantially as shown and described.

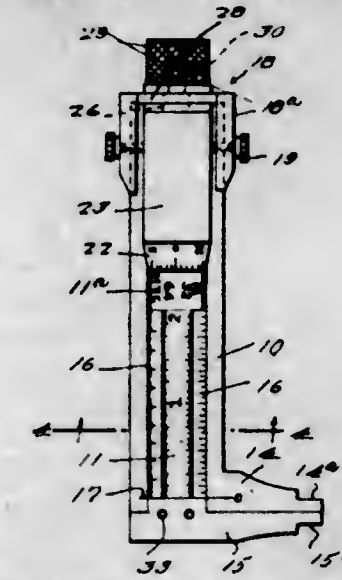
PATENTS

GRANTED JANUARY 20, 1948

2,434,633

MICROMETER CALIPER

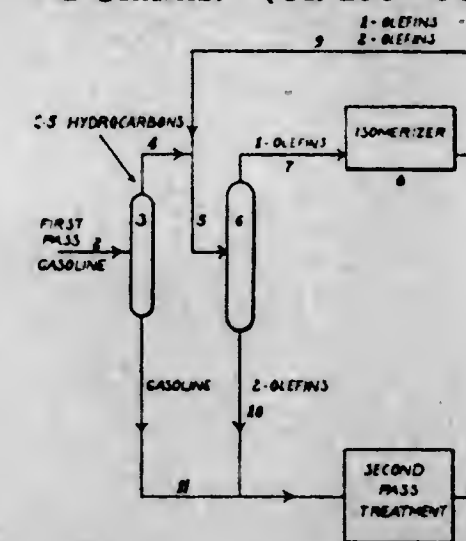
Jose Periz Amador, Newark, N. J.
Application August 31, 1944, Serial No. 552,032
4 Claims. (Cl. 33-164)



1. A micrometer caliper comprising a frame member having a pair of parallel legs, a yoke detachably secured to the free ends of said legs and having a central aperture therein, said frame and legs defining a slot, one end of said slot being enlarged, bevelled edges on said parallel legs, a slide positioned in said slot and engaging said bevelled edges, jaws projecting from said slide and a side of said frame, set screws secured to said yoke engaging said legs, means for regulating the distance between said jaws, said means including a drum having a bevelled skirt, a bevelled portion connecting said enlargement in said slot and receiving said bevelled skirt, a head adjustably received in said drum having said slide secured thereto, means extending through said central aperture and secured to said drum for rotating said drum.

2,434,634

PRODUCTION OF HIGH OCTANE GASOLINES
John R. Bates, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application April 13, 1946, Serial No. 661,996
4 Claims. (Cl. 196-50)



1. A process of producing an improved gasoline which comprises treating a gasoline, derived by cracking of a petroleum oil in a first pass, to isomerize 1-olefins to 2-olefins therein and then subjecting the gasoline in which the 1-olefins have been isomerized to 2-olefins to a second pass cracking treatment.

2,434,635

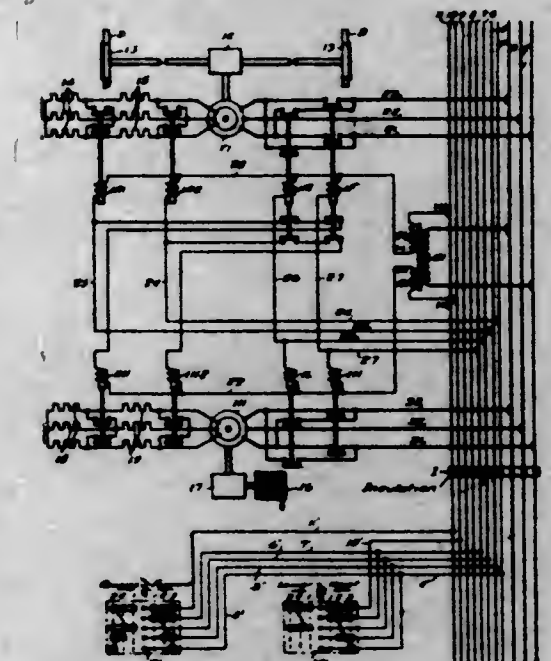
PHARMACEUTICAL PREVENTIVE AND REMEDY FOR MOTION SICKNESS
Llewellyn L. Barrow, United States Army, Camp Edwards, Mass.
No Drawing. Application January 20, 1943, Serial No. 472,958
5 Claims. (Cl. 167-55)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A pharmaceutical product for the treatment and prevention of motion sickness including sodium iso-amyl ethyl barbiturate, and scopolamine hydrobromide, adapted to act on that portion of the cortex, utilized in receiving and interpreting motion, whereby the awareness of environment is decreased sufficiently to prevent the onset of symptoms of motion sickness, and atropine sulphate, adapted to relax the pyloric sphincter and establish normal peristalsis.

2,434,636

REMOTE CONTROL SYSTEM FOR CRANES
Remi Bollaert, Oakland, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1946, Serial No. 657,391
8 Claims. (Cl. 172-179)

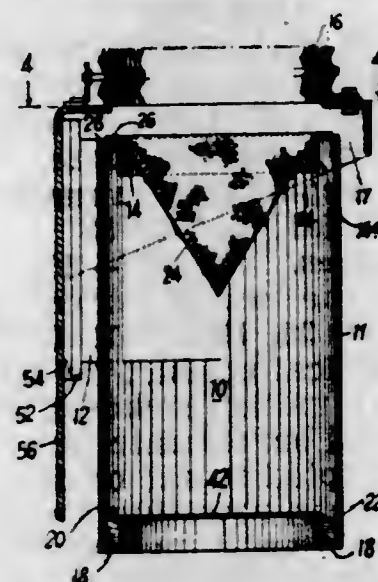


1. An electric system for controlling a crane trolley from an operator's place remote from the trolley, comprising two reversible alternating-current motors disposed on the trolley for propelling and hoisting operations respectively; two groups of relays disposed on the trolley for controlling said respective motors; transformer means disposed on the trolley and having two output circuits each having two terminals of which one is connected to the relays of one of said groups respectively; a group of trolley wires comprising wires for supplying power to said motors and transformer means and control wires; selective contact means disposed at the operator's place for connecting one of said output circuits through said control wires across the respective relays of one of said relay groups to control said propulsion motor; and selective contact means disposed at the operator's place for connecting said other output circuit through said control wires across the respective relays of said other group of relays to control said hoist motor.

2,434,637

FLUID SEPARATOR

Paul M. Brister, Madison, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application February 11, 1943, Serial No. 475,475
4 Claims. (Cl. 183-83)



1. In a fluid separator, a casing providing an upright whirl chamber with an upper perimetral inlet through which there is a high velocity tangential flow of a mixture of fluids of different densities, the casing having a top rim structure presenting an upper whirl chamber outlet for separated fluid of lesser density, the upper outlet communicating with the central part of the whirl chamber, an auxiliary separator including spaced fixed members and disposed above said upper outlet so as to provide an auxiliary outlet between the top of the whirl chamber and the auxiliary separator, a lower whirl chamber outlet for a separated fluid of greater density, and an inverted conoidal baffle extending downwardly into the whirl chamber and across the upward path of all of the lesser density fluid toward the upper whirl chamber outlet, the baffle extending entirely across said upper whirl chamber outlet at a level below that of the auxiliary outlet and having multiple openings or perforations over its area, said baffle also having its perforated side portions converging downwardly from the perimeter of said upper outlet toward a position centrally of the whirl chamber and being so constructed that the total flow area of its perforations is at least as great as the free flow area of the upper whirl chamber outlet.

2,434,638

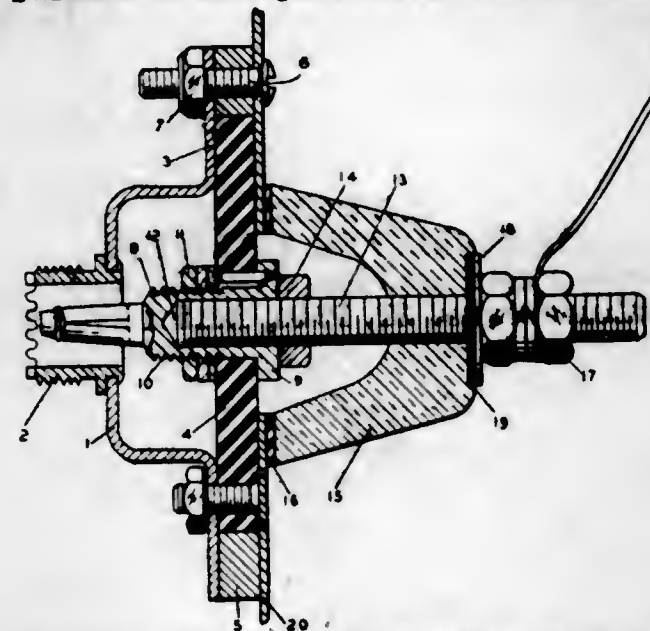
ANTENNA SUPPORT AND FEEDTHROUGH

Harvey A. Bryers, Dayton, Ohio
Application June 28, 1944, Serial No. 542,595
2 Claims. (Cl. 174-153)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An antenna support for a vehicular surface comprising a metallic recessed base having an outwardly extending flange formed along its perimeter, an upwardly extending metallic ring integral with said flange, an annular plate of dielectric material disposed on said flange, the outer perimeter of said plate being contiguous with the inner periphery of said ring, said plate and said ring being concentric and coplanar, means for attaching said ring to said surface and for grounding said ring and said base, a stud centrally carried by said plate, a rod anchored in and projecting upwardly from said stud, a dielectric cone concentric with said plate, said cone having an apical opening receptive to said rod, and means positioned adjacent the base and apex of said

cone for mounting said cone with respect to the upper surface of said plate and said vehicular surface whereby said cone insulates said rod from said vehicular surface and provides mechanical support for said rod.

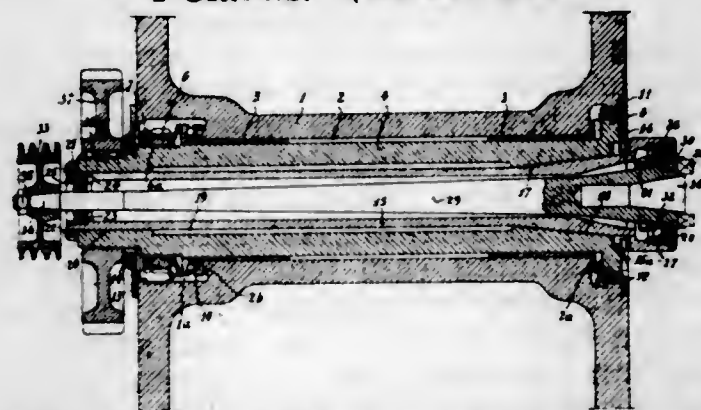


face whereby said cone insulates said rod from said vehicular surface and provides mechanical support for said rod.

2,434,639

SPINDLE FOR MILLING MACHINES

Ettore Bugatti, Paris, France
Application October 29, 1945, Serial No. 625,339
In France November 29, 1944
4 Claims. (Cl. 90-11)

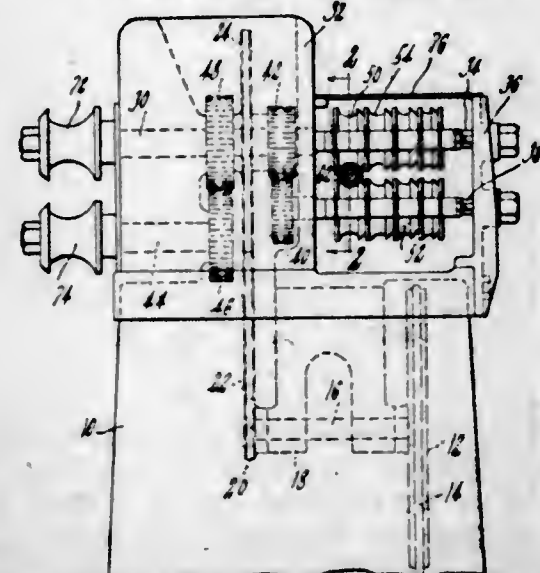


1. A mill driving device which comprises a shaft having an axial bore; means at an end of said shaft for receiving a driving torque and transmitting the same to said shaft; a tubular casing fitted in said bore of the shaft and detachably secured thereto so as to be interchangeable with a low speed mill driving spindle having the same outer dimensions; and a high speed mill driving spindle rotatably borne in said tubular casing.

2,434,640

MACHINE FOR STRIPPING COVERED CABLES

Howard A. Burdwood, Portland, Maine
Application October 31, 1945, Serial No. 625,736
5 Claims. (Cl. 164-61)



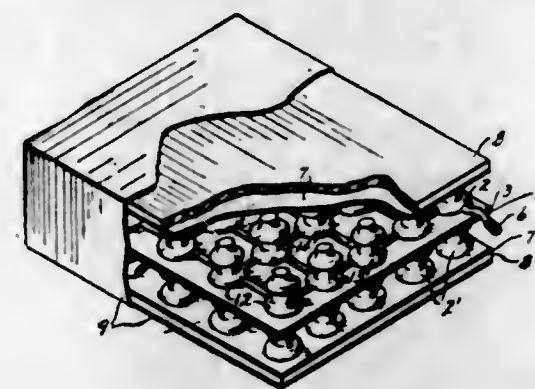
1. Stripping mechanism for wire cables having a wire core and a protective cover, comprising

a pair of shafts, means mounted on said shafts for feeding said cable, cutting means associated with said first mentioned means at the sides thereof, said cutting means making two continuous cuts through the cover tangentially to the core thereof, and means for driving said feeding and cutting means.

2,434,641

RESILIENT SEAT CUSHION

Henry L. Burns, Yellow Springs, Ohio
Application February 20, 1946, Serial No. 649,106
4 Claims. (Cl. 155-179)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

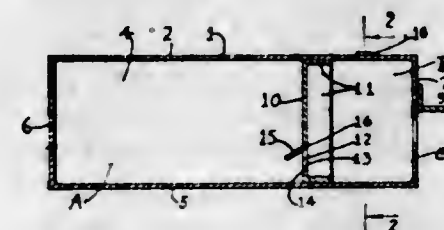


1. In a cushion construction a pair of juxtaposed resilient sheets secured together, fluid filled resilient bellows of different effective size and resisting force constructed integrally with each of said resilient sheets and positioned substantially directly laterally therefrom so that each bellows of one resilient sheet is in alignment with the corresponding bellows on the other sheet to form a plurality of resilient chambers, the chambers of an aligned pair being in communication, channel means formed on said sheets providing a plurality of passages thereby connecting the interiors of said resilient chambers together, and means wherethrough to supply fluid to the interiors of said chambers and said passages.

2,434,642

CREAM SEPARATOR

Clarence E. Deardorff, Sacramento, Calif., assignor to C. E. Deardorff, Inc., a corporation of California
Application July 17, 1944, Serial No. 545,357
6 Claims. (Cl. 229-15)



1. The combination with a container adapted to hold a fluid and having a top with an opening therein, of a partition extending transversely across the container and dividing it into an upper and a lower compartment, said partition having an opening therein with a fixed short flap connected to one side edge of the opening and extending at an angle into the lower compartment so as to partially cover the opening, the container when held in substantially horizontal pouring position with the fixed flap hanging downwardly having the effective height of its partition opening reduced to a point where a vacuum will be formed in the lower compartment and will retain the fluid therein while permitting the fluid in the upper compartment to

2,434,643

OXIDATION OF AN ALKALI METAL SALT OF DEHYDROABIETIC ACID

Arthur E. Drake, Hockessin, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1946, Serial No. 645,249
14 Claims. (Cl. 260-99)

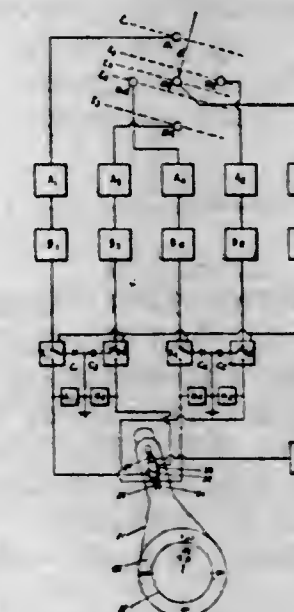
1. A process of oxidizing an alkali metal salt of dehydroabietic acid which comprises intimately contacting an aqueous solution containing said salt and a water-soluble persulfate with an oxygen-containing gas.

9. A process of oxidizing an alkali metal salt of dehydroabietic acid which comprises intimately contacting an aqueous solution containing about 6% of said salt and about 6%, based on the amount of said salt, of a water-soluble persulfate with an oxygen-containing gas.

2,434,644

SOUND WAVE DIRECTION DETERMINATOR

Robert W. Fairweather, Roslyn, N. Y.
Application July 30, 1945, Serial No. 607,900
6 Claims. (Cl. 177-352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

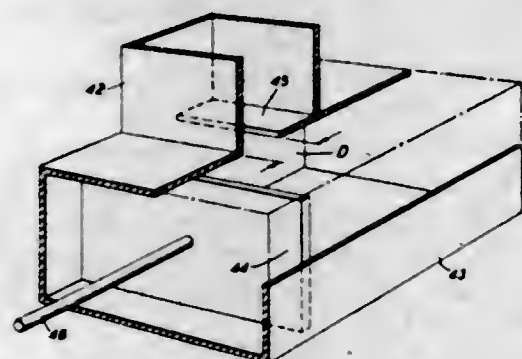


1. Apparatus for indicating the direction of the source of an acoustic shock wave, comprising a group of acoustically responsive detecting means, individual detecting means of said group being disposed along each of a pair of concurrent lines and on opposite sides of the intersection thereof, an additional acoustically responsive detecting means disposed substantially at the intersection of said lines, amplifying means associated with the detecting means of said group and said additional detecting means, electronic charging circuits associated with the part of the amplifying means associated with said group of detecting means, condenser means for receiving a charge from said electronic charging circuits, electronic discharging circuit means, electronic switching means responsive to the amplified output of said additional detecting means for switching said condenser means from said electronic charging circuits to said electronic discharging circuit means, and azimuth-indicating means associated with said discharging circuit means.

2,434,645

WAVE GUIDE BEND

Arthur Gardner Fox, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application July 30, 1942, Serial No. 452,851. Divided and this application August 17, 1945, Serial No. 610,957
3 Claims. (Cl. 178-44)

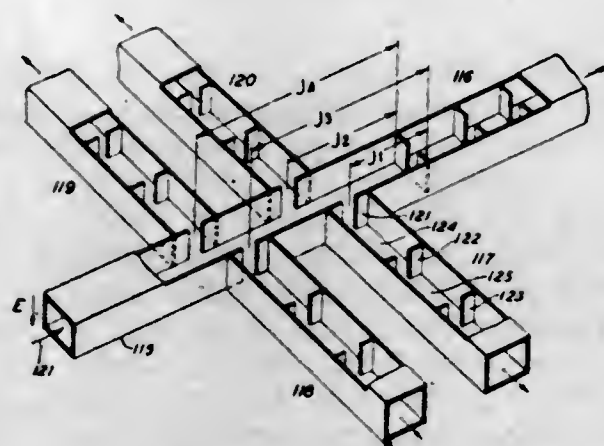


1. In combination, two hollow wave guides of rectangular cross-section joined together to form an approximately right angle bend in the electric plane of the guided waves, said guides differing in characteristic impedance, the longer cross-sectional dimensions of said guides being equal, one of said guides including therein a transverse reflecting plate located at a distance beyond the junction equal approximately to a half wavelength at the mid-band frequency to be transmitted, the other of said guides having at its end an opening into said one guide, said opening having an area which is the same as the cross-sectional area of said other guide except for a partially obstructing flap which is substantially an extension of one of the wider sides of said one guide, and the area of said opening being so chosen as to provide substantially reflectionless transmission of energy past said junction.

2,434,646

WAVE GUIDE BRANCHING ARRANGEMENT

Arthur Gardner Fox, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application July 30, 1942, Serial No. 452,851. Divided and this application September 7, 1945, Serial No. 614,937
13 Claims. (Cl. 178-44)

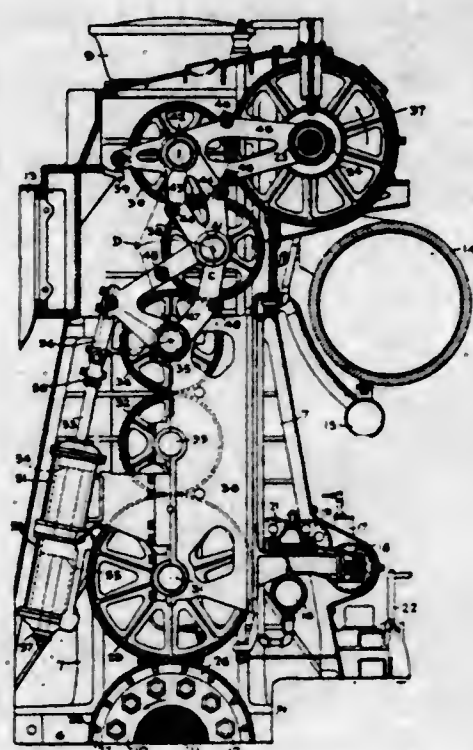


1. A branching arrangement for separating guided electromagnetic waves into individual channels according to frequency comprising a wave guide and a plurality of band-pass wave filters having different mid-band frequencies, each of said filters being connected to said guide at a point of voltage maximum for the standing wave of the mid-band frequency of that particular filter.

2,434,647

REVERSING GEAR

Kurt Froehlich and Emil Grieshaber, Milwaukee, Wis., assignors to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 23, 1943, Serial No. 499,690
6 Claims. (Cl. 121-122)



1. The combination of a vertical reciprocating engine having a crank shaft near its base and a secondary shaft at a higher elevation, said secondary shaft serving to control events in the engine cycle and requiring to be shifted between two distinct angular positions relatively to a given position of the engine crank shaft to time the events for forward and for reverse rotation of the engine drive shaft; a driving gear driven by the engine drive shaft; a driven gear turning with said secondary shaft; a first idler gear meshing with said driving gear and located above the same; a second idler meshing with said driven gear and with the first idler, said second idler being located at one side of said driven gear and substantially vertically above the driving gear; guiding means constraining the first idler gear to move in a generally horizontal direction in an arcuate path about the axis of the driving gear; guiding means constraining the second idler to move in a substantially vertically direction in an arcuate path about the axis of the driven gear; means connecting the axes of said idlers to maintain them in mesh with one another; stop means to limit the shifting motion of said guiding means in each direction; and means for shifting the axis of the first idler gear between limits so defined.

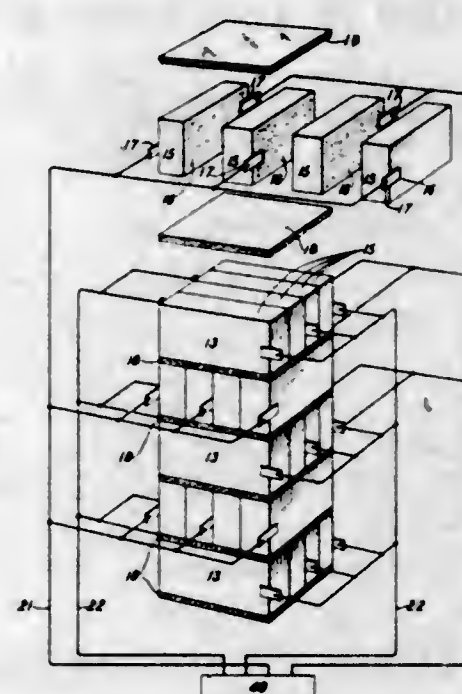
2,434,648

COMPRESSIONAL WAVE TRANSLATING DEVICE

Walter D. Goodale, Jr., Convent, and Thomas J. Pope, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 2, 1943, Serial No. 489,334
11 Claims. (Cl. 177-386)

1. A compressional wave translating device comprising an elongated electromechanical translating unit of substantially square cross-section, said unit including a plurality of similar piezoelectric crystals in superposed relation and oriented so that the axes of expansion and con-

traction of adjacent crystals are in parallel planes and at right angles to one another and flexible



2,434,649
PURIFICATION OF CHLOROPHYLL BY FLOATING OFF IMPURITIES WITH THE AID OF A SALT SOLUTION
Benjamin Grushkin, New York, N. Y., assignor to Lakeland Foundation, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 14, 1942, Serial No. 430,971
11 Claims. (Cl. 209-173)

1. The method of separating chlorophyll and impurities associated with chlorophyll as recovered from natural sources of chlorophyll which comprises forming a system including a salt solution containing a substantial concentration of a freely water soluble salt, chlorophyll and impurities initially associated with said chlorophyll, the quantity of chlorophyll in the system exceeding substantially the amount soluble in the quantity of salt solution present then allowing the system to stand undisturbed for an extended period after the chlorophyll in excess of that soluble in the solution has settled to the lower part of the system and until impurities have risen to the surface of the salt solution and separating the impurities and salt solution from the underlying chlorophyll.

2,434,650

MOTOR FUELS AND PREPARATION THEREOF

Walter A. Herbst, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 30, 1943, Serial No. 508,371
4 Claims. (Cl. 44-74)

1. A motor fuel composition comprising gasoline hydrocarbons, a knock reducing amount of aromatic amine, a gum inhibiting amount of alkylated hydroxy aromatic oxidation inhibitor free from any amino substituents and a sufficient amount of carbon disulfide to stabilize the aromatic amine present in said fuel against discoloration during storage.

2,434,651

STABILIZED XYLIDINE AND PROCESS FOR PREPARING SAME

Anthony E. Robertson, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 30, 1943, Serial No. 508,396
2 Claims. (Cl. 260-578)

1. A product comprising xylidine and a sufficient amount of carbon disulfide to stabilize said xylidine against discoloration during storage.

2,434,652

IGNITER

Clarence N. Hickman, Jackson Heights, N. Y., assignor to United States of America, as represented by the Secretary of War
Application March 1, 1944, Serial No. 524,566
1 Claim. (Cl. 60-35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a rocket projectile having a propulsion powder chamber and a powder charge comprising a stack of powder washers with full contact between faces, a deterrent covering the inner and outer peripheries of the washers, and an igniter comprising a hollow tube secured to the forward wall of the powder chamber and extending rearwardly therefrom, said tube arranged to pass thru the central opening of the stack of powder washers, said tube having a plurality of spaced perforations thru the walls thereof, and an igniting charge substantially filling the interior of said tube.

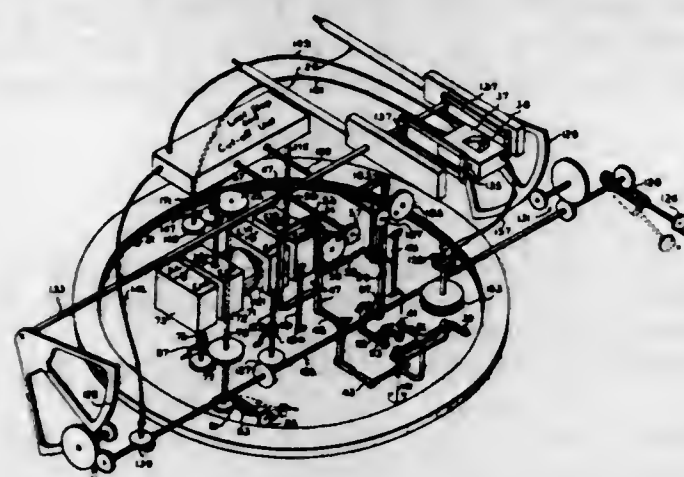
2,434,653

POWER-OPERATED AIRCRAFT GUN TURRET

Carl G. Holschuh, Glenhead, and Lester C. Warner, Jackson Heights, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 24, 1941, Serial No. 416,290
13 Claims. (Cl. 89-37.5)

5. A power operated gun mounting comprising a rotatably mounted gun turret, driving means for rotating said turret, means for controlling the rate of said driving means, a displaceable control device and a gear transmission connected between said device and last-mentioned means, said transmission including an eccentrically mounted gear, a gear adapted to mesh therewith, and means for maintaining said gears in mesh during rotation thereof.

11. In power operated devices, variable speed driving means for moving an object, a settable member for varying the speed of said driving means, a control device movable through a displacement range, and transmission means connecting said control device to said settable member, said transmission means including an eccentrically mounted gear, a gear adapted and ar-

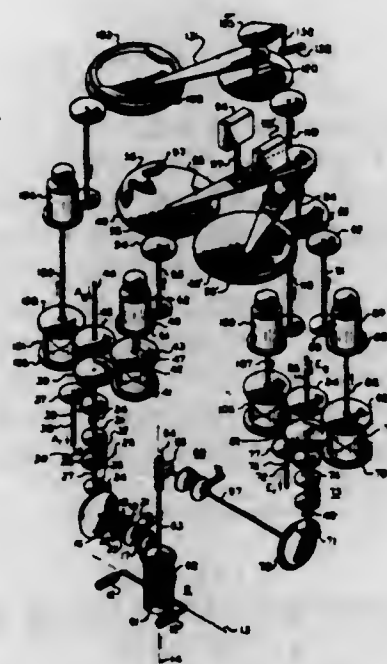


ranged to mesh therewith, and means for maintaining said gears in mesh during rotation thereof, said transmission means being so constructed and arranged as to effect progressively greater changes in the speed of said driving means per unit of displacement of said control device as said device is moved in one direction through said range.

2,434,654

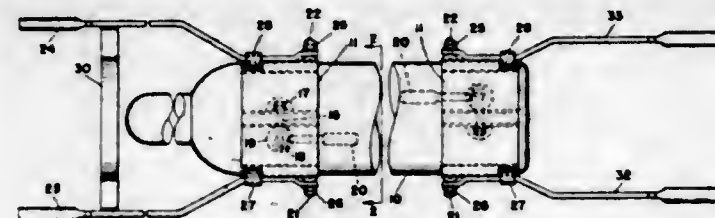
LIMIT STOP AND FIRE CUTOFF DEVICE FOR GUN TURRETS

Frederic M. Watkins, Forest Hills, and Charles N. Schuh, Jr., Bellerose, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 26, 1942, Serial No. 456,456
21 Claims. (Cl. 192-138)



1. A limit stop mechanism for a power-operated device operable along two coordinates, comprising a manual controller independently displaceable in two modes, means responsive to respective displacements of said controller for producing respective speeds of said device along respective independent coordinates, means responsive to predetermined values of one of the coordinates of the position of said device for decelerating and stopping said device along said one coordinate, and means for advancing the initiation of said decelerating action in accordance with a component of the speed of said device along the other coordinate.

2,434,655
OXYGEN TANK CRADLE
John F. Homer, Newport, R. I.
Application August 2, 1945, Serial No. 608,551
7 Claims. (Cl. 224-45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cylinder cradle device, including a clamping strap having a flat bottom portion, locking and release means for the clamping strap, a pair of pivoted handles mounted on the strap and latch stop means for limiting the pivotal movement of the handles.

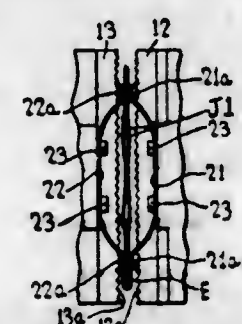
2,434,656
PROCESS FOR PURIFYING MODIFIED ROSIN

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 17, 1944, Serial No. 540,901
12 Claims. (Cl. 260-105)

11. The process which comprises subjecting a dehydrogenated rosin containing at least about 40% dehydroabietic acid and no more than about 5% of abietic acid to continuous distillation under reduced pressure and thereby separating said dehydrogenated rosin into from about 5% to about 30% by weight of a lower boiling fraction, from about 50% to about 90% by weight of an intermediate boiling fraction, and from about 5% to about 25% by weight of a distillation residue, and reacting said intermediate boiling fraction with an alkali.

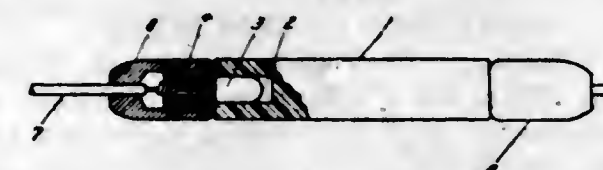
2,434,657
MECHANISM FOR HEAT SEALING PACKAGE SEAM JOINTS

Hans O. Irmischer, Roslyn, N. Y., assignor to National Urn Bag Company, Inc., a corporation of New York
Application July 16, 1941, Serial No. 402,635
11 Claims. (Cl. 154-42)



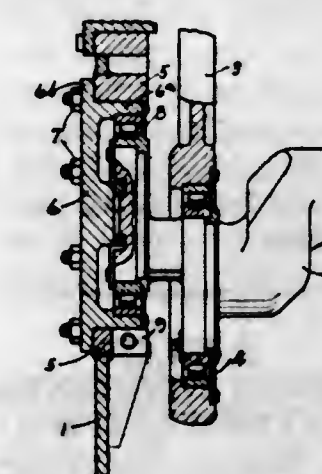
1. A mechanism of the character described comprising a base fitting, a pair of spring pressed arms pivotally mounted on said fitting for swinging movement to and away from each other, a pair of pressure jaws carried by said arms, heating means for said jaws, spring means carried with said jaws by the arms for stretching smooth open ends of package bags inserted therebetween to temporarily retain said open ends as closures, and means for mounting said spring means and pressure jaws on the arms whereby said spring means and pressure jaws are effective in succession to form a heat sealing joint at said open ends upon actuation of said arms.

2,434,658
ANTENNA STRAIN INSULATOR
Robert Katz, Yellow Springs, Ohio
Application July 25, 1944, Serial No. 548,460
6 Claims. (Cl. 174-168)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A strain insulator for an antenna wire comprising an elongated insulating body provided with an enclosed bore extending axially inwardly from one end, an insert extending into and anchored within said bore and provided with an externally threaded portion extending beyond said insulating body concentrically relatively to the longitudinal axis of said insulating body, said threaded portion being provided with a diametrical channel extending axially inwardly thereof, an anchoring pin to which said wire may be secured disposed diametrically of said threaded portion and across said channel and spaced from the ends of said channel, and a tubular cap internally threaded to receive the threaded portion of the aforesaid insert, said cap being provided with an axial bore extending therethrough to the interior thereof, the outer portion of said bore and the exterior of said cap being of smooth contour, free of sharp corners, and completely shielding the connection between the wire and the pin, the insert, pin, and cap being of conducting material.

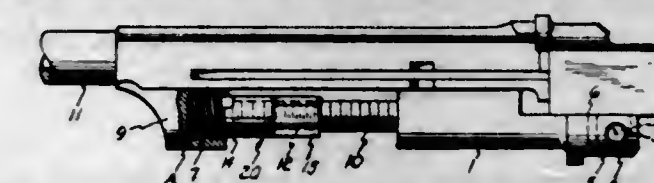
2,434,659
CRANKSHAFT MOUNTING
Clement B. Kluppel, Houston, Tex., assignor to Clark Bros. Co., Inc., Olean, N. Y., a corporation of New York
Application April 23, 1946, Serial No. 664,384
5 Claims. (Cl. 308-189)



1. In a machine of the class described and having a side frame member, a crankshaft, and bearing means therefor including a circular member; means for removably mounting said crankshaft bearing member in said side frame member and including a base member rigidly associated with said side frame member and having a circular opening to fit about said bearing member, said base member having an arcuate portion cut away to provide a face toward said opening, in a plane intersecting said opening parallel to the axis thereof, a wedge block having a face cooperative with said base member face and a surface effectively in continuation of that of said opening, and bolt means securing said wedge block to said member and disposed obliquely relative to said corresponding faces; whereby radial force may be exerted by said

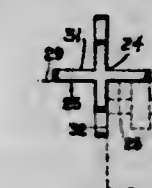
wedge block upon said crankshaft bearing member by tightening of said bolt means, in greater amount than either the tension or shearing forces on said bolt means.

2,434,660
TOOL FOR ROTATING THREADED ARTICLES
Frank E. Knight, Northampton, Mass.
Application March 21, 1946, Serial No. 656,120
2 Claims. (Cl. 81-90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A tool for rotating a threaded nut for assembly to the gas cylinder of a firearm having a barrel, a receiver, a depending lug on the receiver, the gas cylinder being in depending relation to the barrel and relatively inaccessible, said tool comprising, a body, a bifurcated head on one end of said body arranged to straddle the lug on the receiver of the firearm to non-rotatively secure the body to the firearm, a screw extending from the other end of said body and arranged to underlie the barrel of the firearm, said screw having a lead of thread corresponding to the lead of thread on the threaded nut, a driver threadably mounted on said screw, means on said driver for engaging said threaded nut, and means on said driver for engagement by a tool whereby rotation of said driver effects rotation of said threaded nut for assembly or removal thereof to the gas cylinder.

2,434,661
CENTERING GAUGE FOR SETTING UP WORK IN BALANCING MACHINES
Herbert E. Krueger, Vallejo, Calif.
Application November 25, 1942, Serial No. 466,947
1 Claim. (Cl. 33-180)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A gauge of cross-bar formation adapted to indicate the altitudinal position of the longitudinal axis of a cylindrical body supported for rotation in a vertically adjustable pedestal bearing, with respect to a fixed horizontal axis of rotation through said bearing, the said bearing being provided with reference surfaces, one lying in the horizontal plane of the fixed axis of rotation through the pedestal bearing, another surface perpendicular to the one surface and lying in a plane perpendicular to said axis of rotation, comprising two elongated members intersecting each other, medially, at right angles along a longitudinal center line extending symmetrically through the intersecting portion of the two members, a finished surface on the underside of one member lying in a plane parallel to said center line, finished surfaces on both sides of the other member lying in planes parallel to said center line and at right angles to the finished surface on the underside of the one member and a V shaped jaw so positioned in one end of the other member that when the said other member is in vertical

position with respect to a horizontal plane extending lengthwise of said member, the horizontal plane bisecting the V-shaped jaw and passing through the apex thereof lies in the plane of the finished surface on the underside of the one member, whereby when the finished surface on the underside of the one member and the finished surface on the side of the other member are brought into coincidence with the horizontal and vertical reference surfaces on the pedestal bearing, respectively, and the V-shaped jaw is brought into contact with the cylindrical body supported by the bearing, the altitudinal position of the axis of rotation of said body with respect to the fixed axis of rotation through said bearing is indicated.

2,434,662

POLYETHYLENE STABILIZED WITH BIS-(HYDROXYPHENYL) PROPANES

George H. Latham and Daniel E. Strain, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 3, 1944,

Serial No. 520,954

5 Claims. (Cl. 260-94)

1. A composition of matter comprising a normally solid ethylene homopolymer and from 0.01 to 5 parts by weight of a compound selected from the group consisting of diphenylol propane and dicresylol propane.

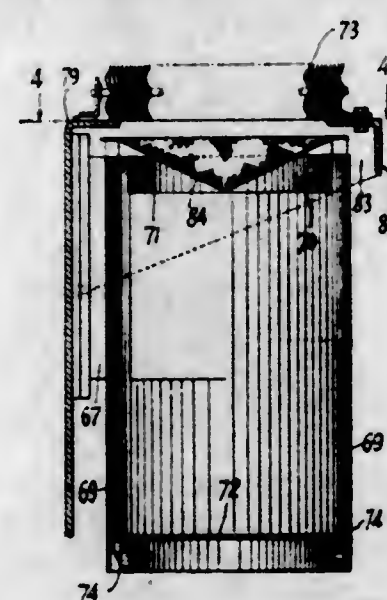
2,434,663

FLUID SEPARATOR

Samuel Letvin, Philadelphia, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application February 11, 1943, Serial No. 475,477

3 Claims. (Cl. 183-83)



1. In a fluid separator, means forming a whirl chamber, means forming a tangential whirl chamber inlet through which a mixture of different density fluids enters the whirl chamber at high velocity and sets up whirling action therein, spaced whirl chamber outlets for separated fluids of different densities, said outlets including a bottom outlet for fluid of greater density and a top outlet for fluid of lower density, a multiple plate auxiliary separator above the top outlet and spaced from the top of the whirl chamber to form a supplementary and lateral fluid outlet therebetween, and a perforated metallic baffle construction interposed in advance of the inlet side of the auxiliary separator but having its top disposed above the bottom of said lateral outlet, said baffle construction being of inverted cap-shape and having upwardly diverging portions direct-

ing impact fluid of higher density radially outwardly of the whirl chamber and toward the supplementary outlet, the baffle construction having a V-shaped section in any plane extending through the upright axis of the baffle.

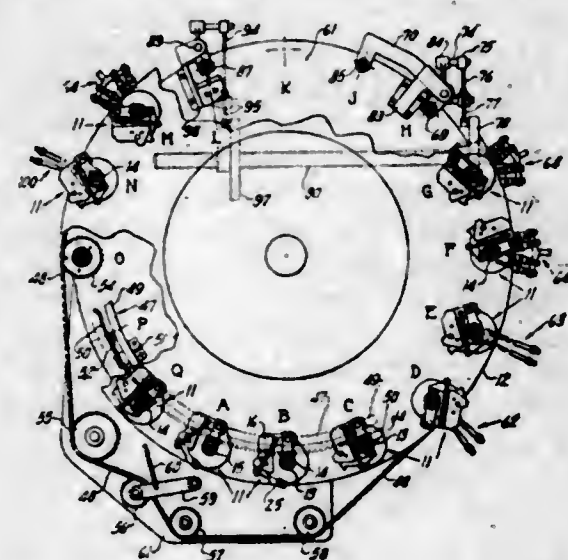
2,434,664

SEALING-IN MACHINE

Frank J. Malloy, deceased, late of University Heights, Ohio, by Catherine A. Malloy, executrix, University Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application November 9, 1942, Serial No. 465,008

5 Claims. (Cl. 49-2)



1. A sealing-in machine comprising the combination of a rotatable turret, a head mounted at the periphery of said turret and carried thereby to a plurality of stations, said head comprising a vertical spindle carrying a support for the flanged stem of a mount, a holder for a glass bulb above and in register with the mount support, an upsetting sleeve surrounding the upper end of said spindle and mounted for vertical movement with respect to said mount support, means for fusing said stem and bulb together, and actuating cam mechanisms at a plurality of stations arranged to raise said upsetting sleeve predetermined successive amounts into abutting engagement with the fused joint between said stem and bulb to compress and upset said joint, at least the cam mechanism at one station being arranged to raise the upsetting sleeve substantially higher than it is raised by the corresponding cam mechanism at a preceding station.

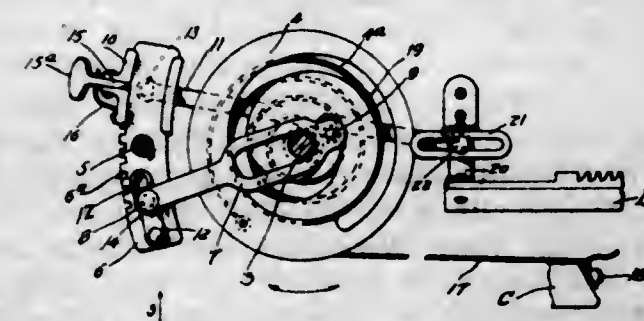
2,434,665

JUSTIFYING MECHANISM FOR TYPEWRITERS

Oliver O. Martin, Montrose, Calif.

Application February 5, 1945, Serial No. 576,170

15 Claims. (Cl. 197-84)



1. The combination with a typewriter having a frame, a movable carriage and an escapement rack on said carriage, of means for moving said rack longitudinally on the carriage during letter space movements thereof, said means comprising, a rotatable member on the carriage having a

cam thereon, connections from the typewriter frame to rotate said cam during letter space movements of the carriage, a rocker on the carriage adjacent said member, a connection from said cam adapted to swing the said rocker on its pivot, a slide longitudinally adjustable on said rocker, and a connection from said slide to the escapement rack.

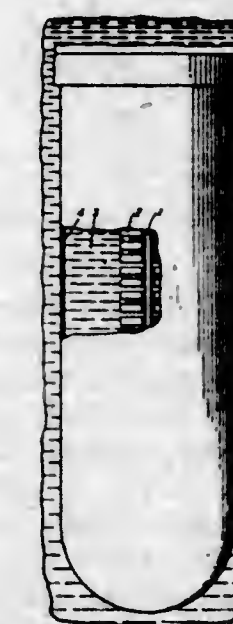
2,434,666

PLASTIC HOUSING

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 7, 1943, Serial No. 486,102

1 Claim. (Cl. 177-386)



In combination, an electromechanical transducer, non-corrosive liquid having the same impedance characteristics as water in which said transducer is immersed and a thin wall housing for retaining said liquid, said housing being of a plastic and also having the same impedance characteristics as water.

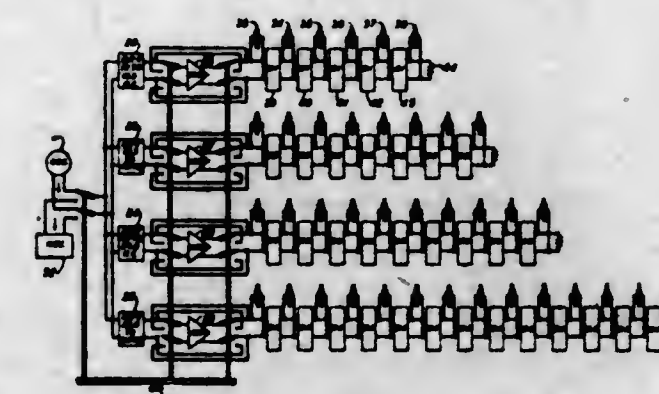
2,434,667

ULTRASONIC PRISM

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 5, 1943, Serial No. 489,761

5 Claims. (Cl. 177-386)



1. An electromechanical transducer comprising a plurality of electromechanical translating prisms of the compressional-wave, frequency-directional type each having a potential range of 180° arranged with lines normal to their longitudinal axes radiating from a common point and an electrical network associated therewith for controlling said prisms within that portion of their ranges measured by the angles formed between said radii.

606 O. G.-29

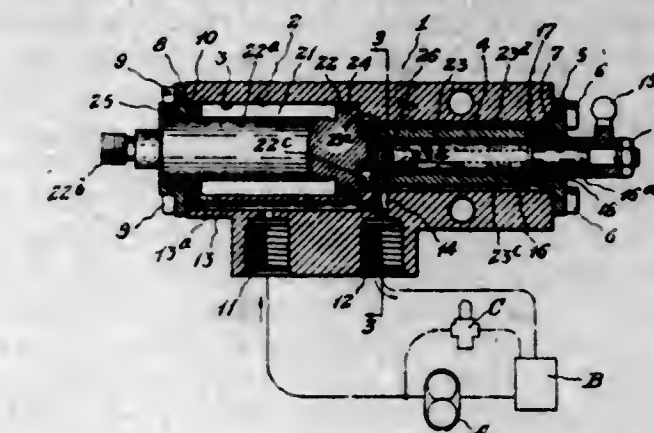
2,434,668

FLUID PRESSURE APPARATUS

Edward M. May, Detroit, Mich.

Application June 23, 1944, Serial No. 541,823

1 Claim. (Cl. 121-41)



In fluid pressure power apparatus, the combination of a casing structure enclosing a working chamber and having an inlet for fluid under pressure and an outlet for the discharge of fluid of reduced pressure, an input means rotatably supported by the casing structure, an output structure mounted to reciprocate in the working chamber and comprising a piston section and a separately formed valve section operatively connected to the piston section to rotate in relation thereto and reciprocate in unison therewith and operatively connected to the input means to telescopically engage therewith without rotation in relation thereto, the valve section of the output structure and the casing structure having cooperating valve ports and passages comprising a groove in one of the two structures extending around and lengthwise of the axis of the valve section of the output structure and inlet and outlet ports in the other of the two structures spaced to cooperate with the said groove and communicating, respectively, with the inlet and the outlet of the casing structure, whereby rotation of the input structure effects relative rotational movement between the groove and the said inlet and outlet ports and consequent power movement of the output structure.

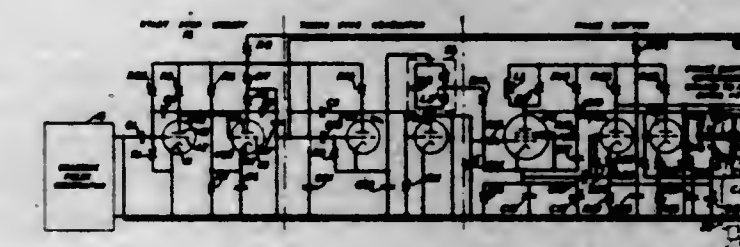
2,434,669

OSCILLATION GENERATOR

Larned A. Meacham, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application October 5, 1943, Serial No. 505,024. Divided and this application January 31, 1945, Serial No. 575,449

6 Claims. (Cl. 250-36)

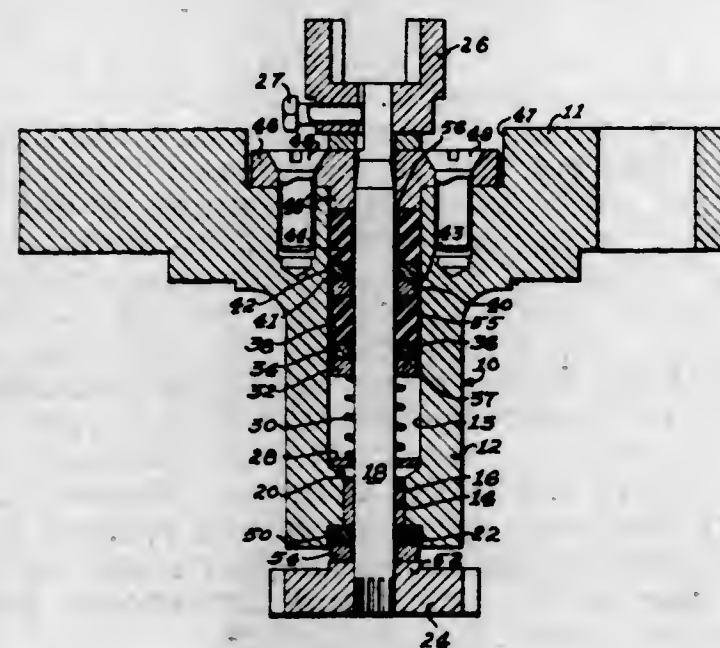


2. In combination, two electronic devices each having an anode, a cathode and a control electrode, an antiresonant circuit, a circuit comprising the anode-cathode path of each of said electronic devices and said antiresonant circuit, all in series relation, a source of anode current in said circuit, means for impressing between the cathode and control electrode of each of said electronic devices simultaneously a voltage for causing the resistance of the anode-cathode path of each of said devices to increase simultaneously to

a relatively high value thereby initiating the generation of an alternating wave, a third electronic device having an anode, a cathode and a control electrode, a space current circuit connecting the anode and cathode of said third device, means for impressing said alternating wave upon a path connecting the control electrode and cathode of said third device for causing a corresponding alternating wave to be set up in the anode-cathode circuit of said third device and means for impressing said alternating wave set up in said anode-cathode circuit upon said anti-resonant circuit for causing the alternating wave impressed upon said control electrode-cathode path of said third device to be maintained at substantially constant amplitude during periods when the resistance of the anode-cathode paths of said two electronic devices is at said relatively high value.

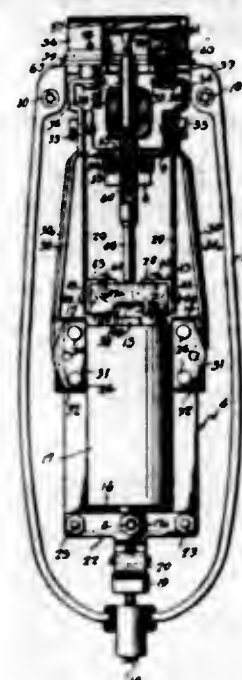
2,434,670

STUFFING BOX FOR ROTARY SPINDLES
John A. Mrosco, Forest Hills, Pa., assignor to Rockwell Manufacturing Company, a corporation of Pennsylvania
Application September 8, 1944, Serial No. 553,205
1 Claim. (Cl. 286-7)



In combination with a stuffing box and a shaft extending through the bore thereof and an abutment face surrounding said shaft and closing one end of the bore; sealing means in said bore comprising a pair of axially spaced compressible packing members, one of said members contacting said abutment face having an exterior surface in fluid tight contact with the wall of said bore and a radially unsupported interior surface in clearance relation to said shaft, the other of said members having a radially unsupported exterior surface in clearance relation to the wall of said bore and an interior surface in fluid tight contact with said shaft, a pair of planar relatively rotatable rings interposed between and in contact with the end faces only of the respective packing members and having opposed low friction contact surfaces, the inner and outer peripheries of the respective rings being of equal axial dimension and having substantially the same clearance relation to said shaft and the wall of said bore as the respective packing members, an additional pair of planar rings having opposed low friction contact surfaces and in peripheral clearance relation to the wall of the bore and said shaft, one of the rings having contact with said other packing member, and a spring in the other end of said bore surrounding the shaft and exerting resilient thrust pressure against the other of said rings.

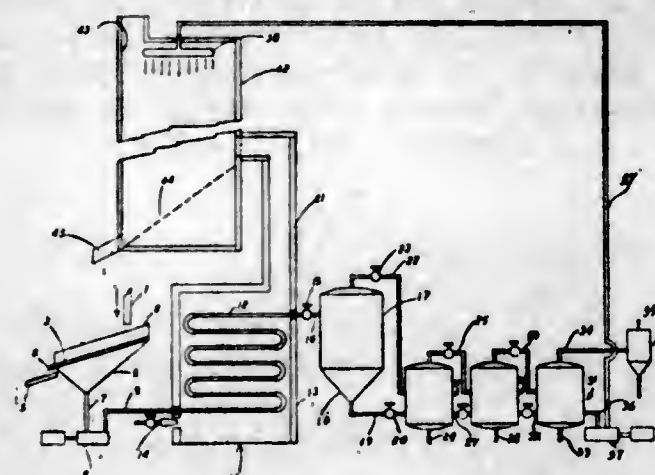
2,434,671
ELECTRIC RECIPROCATING MOTOR
Thomas J. Murphy, Stamford, Conn.
Application July 24, 1944, Serial No. 546,277
18 Claims. (Cl. 172-126)



1. A motor of the character described comprising a core including two separate magnetic circuits formed by two substantially U-shaped core members each having connected legs forming spaced poles at their free ends, a movable support, a pair of separate armatures carried by the support one for each core member adjacent the spaced poles of the respective members, each armature comprising spaced magnetically connected poles separated by an air gap, an alternating current coil embracing a leg of both core members, and resilient means tending to move the armatures to an operative position with respect to the poles of the core members.

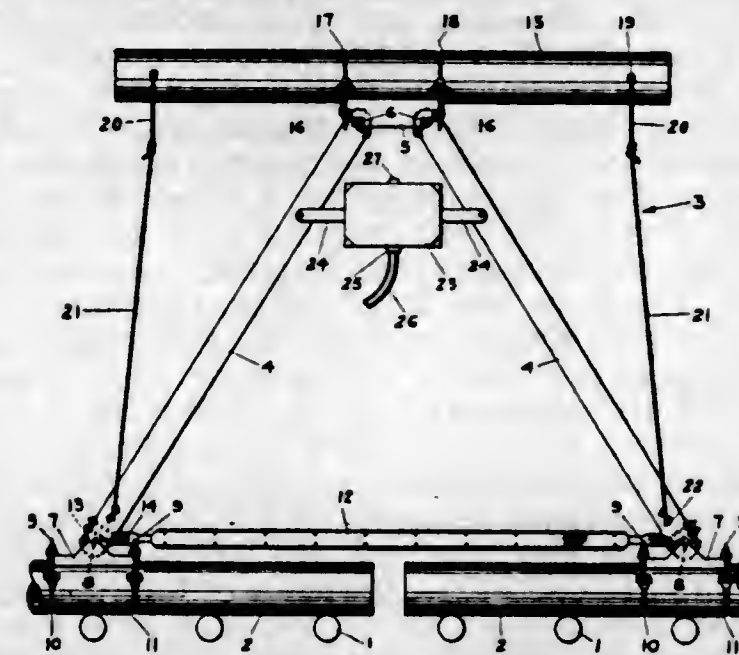
2,434,672
METHOD OF CONCENTRATING DISTILLERY STILL SLOP

Ellis C. Pattee, Cincinnati, Ohio, assignor to National Distillers Products Corporation, a corporation of Virginia
Application October 15, 1943, Serial No. 506,317
4 Claims. (Cl. 159-47)



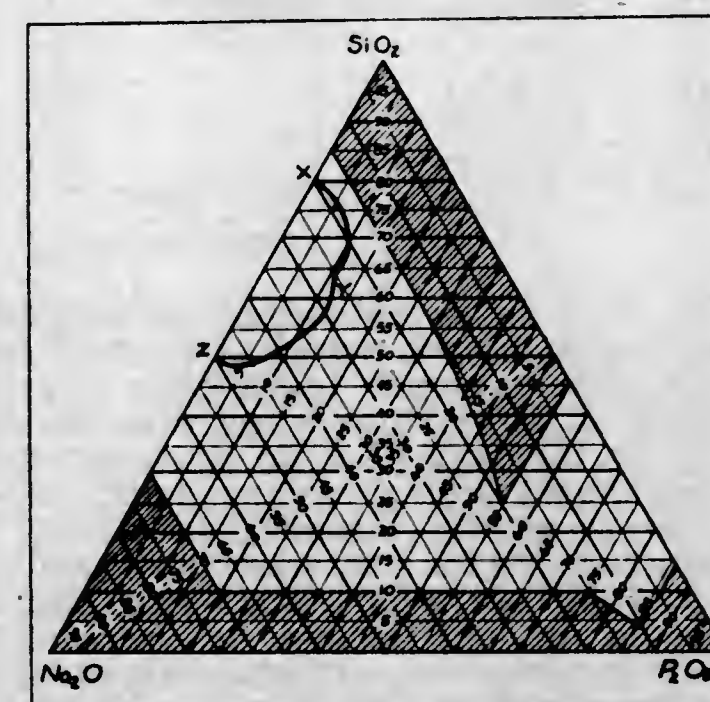
1. Method of concentrating distillery still slop which comprises screening the same thereby removing coarse suspended solids therefrom and thereafter forcing such slop as a continuous stream through a tubular zone in which it is indirectly heated to a temperature above 100° C., and vaporizing not in excess of 10-40% of the water content of said slop in said zone at a temperature in excess of 100° C., discharging the stream so heated into a separating zone and conducting the steam so withdrawn into indirect heat exchanging relationship to the concentrated slop so withdrawn while maintaining a pressure on said slop below that obtaining in said separating zone.

2,434,673
DOCKING STRUT
Ralph G. Peterson, Long Beach, Calif.
Application May 5, 1945, Serial No. 592,154
9 Claims. (Cl. 61-48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



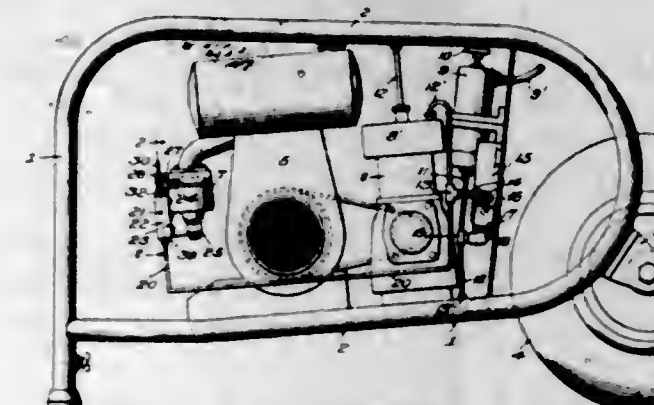
1. A docking strut fastened to a pier including, a horizontal frame of substantially triangular shape, the frame having a pair of outwardly directed converging arms, a pair of plates pivotally connecting the inner ends of the arms to the pier, a bracket pivotally connecting the outer ends of said arms to each other, a link pivotally connected between the inner ends of the arms for spacing the same relative to each other, and a floating member secured to the bracket and disposed horizontally for bearing against the hull of the vessel to be docked.

2,434,674
FUSED UNITARY VITREOUS COMPOSITION FOR USE AS A DETERGENT, WATER TREATING AGENT, AND DEFLOCCULANT
Alexis G. Pincus, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 11, 1943, Serial No. 486,539
12 Claims. (Cl. 252-140)



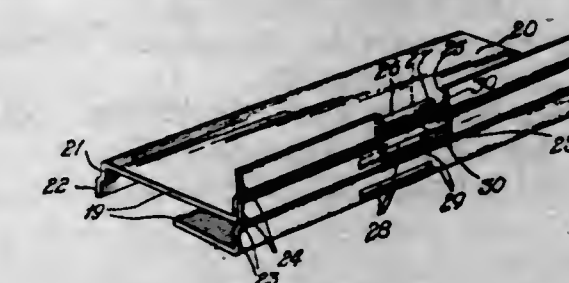
1. A fused unitary vitreous composition which is soluble to a marked extent in water and is adapted to act as a cleaning agent and as a water softening agent, said fused unitary vitreous composition consisting of silica within the range of 50 to 80% by weight, sodium oxide within the range of 20 to 50% by weight and phosphorous pentoxide from a fraction of 1 to 12% by weight.

2,434,675
GOVERNOR FOR POWER DRIVEN AIR SUPPLY UNITS
Ernest H. Simpson, Gettysburg, Pa.
Application February 5, 1944, Serial No. 521,270
2 Claims. (Cl. 230-9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A pressure-responsive device for use in a compressor unit having an engine provided with a carburetor, a compressor, a fluid pressure tank, fluid pressure means connected with said tank for unloading the compressor, and a pressure-responsive governor operatively connected with said fluid pressure unloading means, comprising a pressure-controlled valve including an arm secured to the shaft of the throttle valve of the said carburetor, a cylinder, and a piston arranged to reciprocate in the said cylinder, the said piston being operatively connected with the said arm whereby the said arm oscillates during the reciprocation of the said piston, and means connecting said pressure-controlled valve with said fluid pressure unloading means through said governor and responsive thereto, whereby the said carburetor is throttled down coincident with the unloading of the said compressor.

2,434,676
COOLING UNIT
Donald L. Spender, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 11, 1944, Serial No. 526,110
17 Claims. (Cl. 257-263)

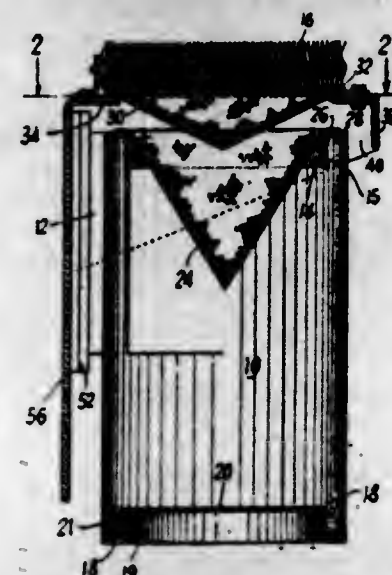


1. A cooling unit for electric discharge devices of the class described, said unit comprising a plurality of similar blades, each blade having a projecting flange at side portions thereof, the flanges on common sides of assembled blades collectively forming inner and outer tubular walls on said unit, the blades having body portions extending radially between and spacing said inner and outer walls, the flanges of said blades spacing the body portions thereof to form circulating passages extending longitudinally through the unit, the flanges of one wall of said unit overlapping, and interengaging means on overlapped portions of said flanges for detachably coupling adjacent blades and for retaining the blades against longitudinal movement one upon the other in at least one direction.

2,434,677

FLUID SEPARATOR

Thomas B. Stillman, South Orange, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application February 11, 1943, Serial No. 475,469
3 Claims. (Cl. 183-83)

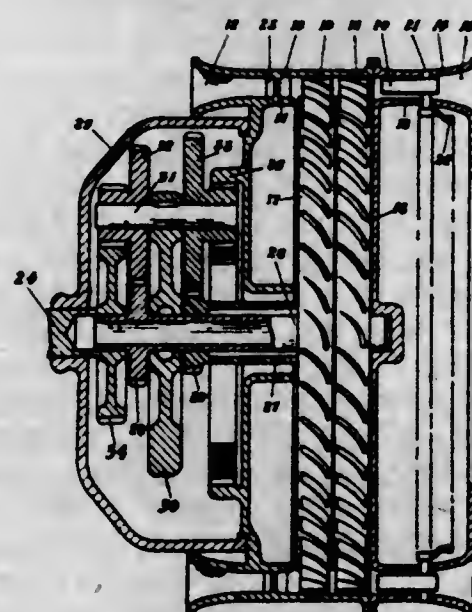


1. In a fluid separator, an upright cylindrical whirl chamber casing open at the top to provide an outlet for separated fluid of lesser density, a tangential whirl chamber inlet through which a mixture of different density fluids enters the whirl chamber at high velocity, an auxiliary separator spaced from the top of the whirl chamber to form a supplementary and lateral outlet therebetween for separated fluid of lesser density, said auxiliary separator receiving separated fluid of lesser density from the whirl chamber outlet, a perforated metallic distributor baffle covering the inlet side of the auxiliary separator but leaving substantially free communication between the supplementary outlet and the whirl chamber outlet, and a secondary perforated metallic distributor baffle extending into the whirl chamber and across the flow of separated fluid of lesser density to the whirl chamber outlet, each of said baffles being of V-section with its apex presented downwardly, the total free flow area of the perforations of this secondary baffle being at least equal to the flow area of the whirl chamber outlet.

2,434,678

SUPERCHARGER

Boleslaw Szczeniowski, Montreal, Quebec, Canada
Application May 30, 1944, Serial No. 538,081
In Canada June 5, 1943
3 Claims. (Cl. 230-122)



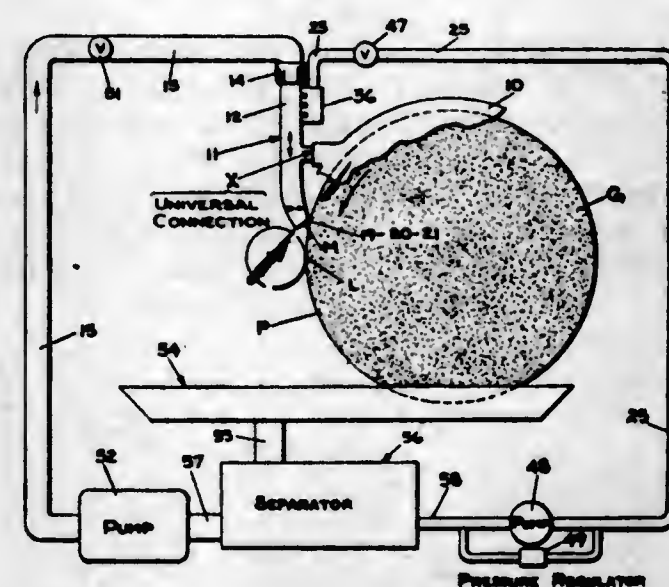
3. A supercharger comprising a casing having an annular inlet passage, a first impeller with

vanes around its periphery and adjacent the annular inlet for advancing air through said inlet and into a compression chamber in which the impeller rotates within the housing, a second impeller of the same size as the first impeller and located in the compression chamber in axial alignment with the first impeller and spaced from the first impeller by a distance less than the axial width of the impellers and with unobstructed air flow from the first to the second impeller, an annular outlet passage just beyond the second impeller, a drive shaft connected with the first impeller and extending rearwardly through the center of the second impeller, a drive sleeve connected with the second impeller and surrounding the drive shaft of the first impeller for a portion of the length of the drive shaft, planetary differential gearing connecting the drive shaft and the drive sleeve with a common driving element and with the connection of the differential gearing between said common driving element and the sleeve having a different gear ratio from that of the connection between said common driving element and the shaft so that the differential impellers are each driven with a different torque, spin vanes supported on pivot at angularly spaced regions around the annular inlet, and cranks connected with the respective spin vanes for changing the angular setting of the spin vanes to change the spin of the air and the relative speeds of the impellers.

2,434,679

METHOD AND APPARATUS FOR GRINDING

Herbert W. Wagner and Gustav J. Wickstrom, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 15, 1945, Serial No. 593,814
27 Claims. (Cl. 51-267)



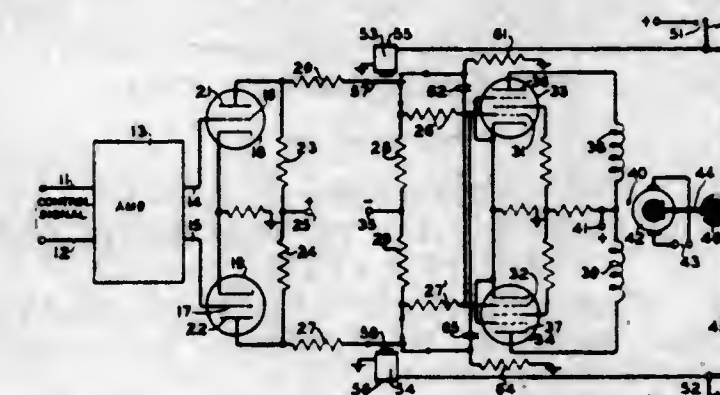
1. The steps in a method of performing a grinding operation upon a work piece which comprise supplying separately to the place of grinding contact of the grinding wheel with the work piece and to the work piece an active grinding-promoting liquid and a coolant liquid respectively for promoting grinding action by the grinding wheel and for abstracting heat produced by the grinding operation respectively, said two liquids being mutually insoluble and being of different specific gravities, subjecting the resultant swarf-containing mixture of active liquid and coolant liquid and emulsions thereof to separating treatments which include separating out at least some of the swarf, utilizing the difference in specific gravities of the two liquids to effect separation of a major portion of the liquid coolant for re-supply thereof to the work piece, heating the remainder of the mixture to break down emulsified portions thereof and to separate out

the active liquid and to increase the fluidity of the mixture to separate out the swarf carried by it, abstracting heat from the separated active liquid to lower its temperature, and re-supplying the separated coolant liquid and lower-temperature active liquid to the work piece and place of grinding contact respectively.

2,434,680

LIMIT STOP APPARATUS

Walter Thomas White and Donald Henschell Courter, Hempstead, N. Y., assignors to Sperry Gyroscope Company, Inc., a corporation of New York
Application August 2, 1944, Serial No. 547,787
26 Claims. (Cl. 318-468)

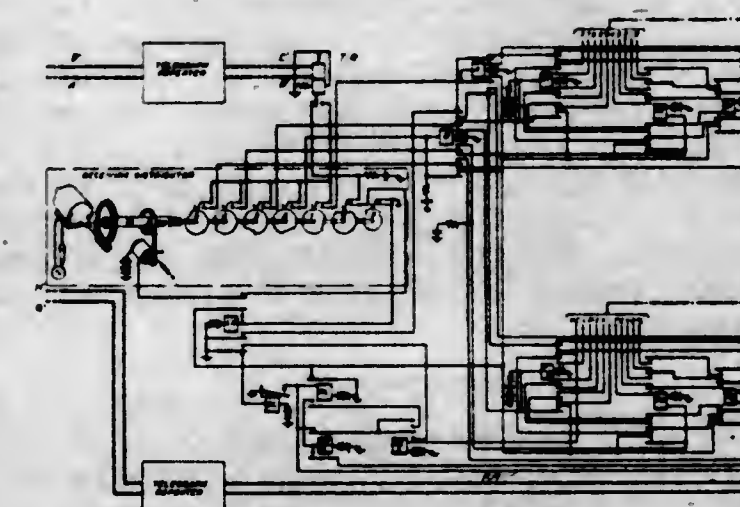


1. Limit stop apparatus for a motor comprising a control circuit including two control means responsive to opposing signals and having their outputs differentially supplied to control the speed and direction of operation of said motor, a limit switch adapted to be operated by said motor when a limit condition thereof is reached, and means controlled by operation of said limit switch for adding a component of the one signal to the other to reduce the driving power of said motor.

2,434,681

REMOTELY CONTROLLED ELECTRICAL CALCULATOR

Samuel B. Williams, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 13, 1943, Serial No. 475,723
2 Claims. (Cl. 235-61)



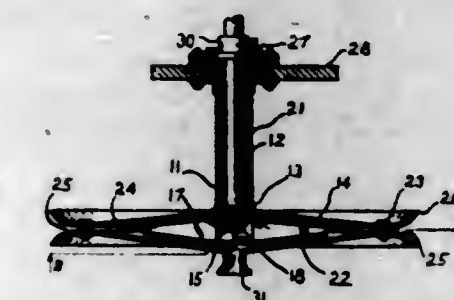
1. In combination, entry keys, a calculator, a long distance line therebetween, a translator connected between said entry keys and said long distance line to translate the signals created by the operation of said keys into signals suitable for transmission thereover, a translator at the other end of said line for translating signals transmitted over said line into signals like the said signals created by the operation of said keys for operating said calculator, time delay means at said calculator end of said long distance line for blocking the reception of further signals for a pre-

determined period of time after the reception thereof of signals transmitted thereto from the distant end responsive to the operation of one of said keys and means in said calculator responsive to its operation by signals transmitted thereto over said line for controlling said delay means, whereby the delay normally introduced by said delay means may be shortened.

2,434,682

DEVICE FOR PRODUCTION OF UNDER-WATER SOUND FIELDS

Charles T. Zahn, Dallas, Tex.
Application August 18, 1944, Serial No. 550,119
1 Claim. (Cl. 259-96)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A source of liquid wave motion comprising a rotor, a housing within which said rotor is rotatable, said rotor and said housing having concentric aligned inlets located in the axis of rotation of said rotor, said rotor including radially extending liquid conducting means, said housing having a substantially circumferential peripheral outlet, the diameter and internal thickness of said housing being substantially greater than the diameter and external thickness of said radial liquid conducting means of said rotor thereby providing a substantial space between said radial means and said housing, said radial liquid conducting means of said rotor comprising a plurality of converging nozzles L-shaped in cross-section extending toward said housing outlet.

2,434,683

SURFACE ACTIVE COMPOSITIONS

Marinus Buis, Whitby, and Dillwyn Morgan Samuel, Chester, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 3, 1944, Serial No. 547,992. In Great Britain August 19, 1943
8 Claims. (Cl. 252-353)

1. A substantially non-gelling surface active composition comprising an aqueous solution of an alkali metal salt of a sulfuric acid ester of an alcohol having from 8 to 20 carbon atoms in the molecule, which solution tends to form gels, together with an amount between 1.27% and 12.7% by weight, based upon the amount of said sulfuric acid ester salt, of a water soluble salt selected from the group consisting of sulfates, chlorides, thiocyanates, nitrates, phosphates, carbonates and carbamates of ammonia, sufficient to substantially prevent gelation of said solution.

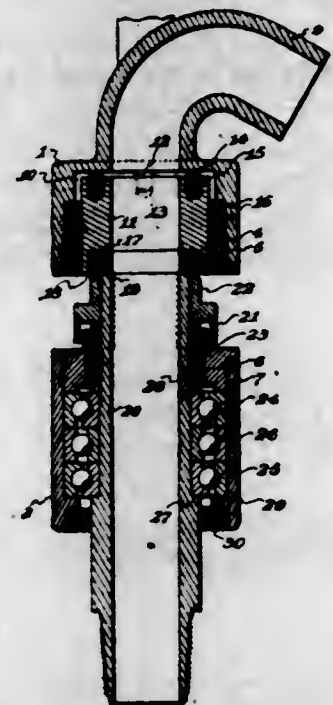
2,434,684

SWIVEL JOINT FOR ROTARY DRILLING

Carl E. Casperson, Tulsa, Okla.
Application May 10, 1946, Serial No. 668,869
3 Claims. (Cl. 285-97.3)

1. A swivel joint through which fluid passes, said joint comprising a stationary body portion, a rotatable member extending upwardly into said

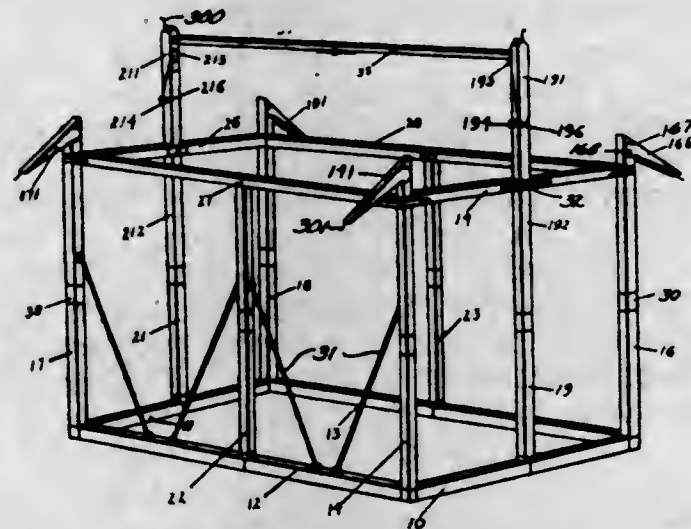
body portion, a seat carried by the upper end of said rotatable member, a valve carrying annular member in a chamber in the upper end of said stationary member, interengaging slidable connections between said seat carrying member and the upper end of the stationary member within the chamber and spaced expansion springs for normally forcing said annular seat carrying member downwardly towards the seat of the upper end of the rotatable member, and an an-



nular packing ring carried by the lower end of the annular seat carrying member and engaging the rotatable member, supporting bearings for the rotating member within the lower end of the stationary body member, said seat carried by the annular member being disposed in a channel of the annular member and sealing rings within the upper portion of the stationary member and engaging the outer periphery of the seat carrying member.

2,434,685 TENT

John H. Claus, Lincoln, Nebr.
Application June 17, 1943, Serial No. 491,151
13 Claims. (Cl. 135-4)

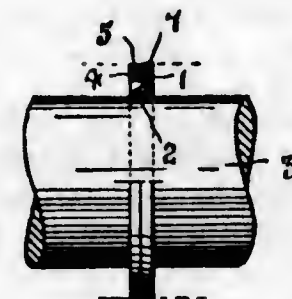


8. In a portable building of the type having a flexible roof covering, a framework including horizontal sill members and vertical frame members, interengaging means on the ends of the sill members and means on certain of said frame members for holding said interengaging means in interengagement so long as said vertical frame members are in generally vertical position, at least certain of said horizontal sill members being foldable, means on certain of said vertical frame members for maintaining the foldable sill members in extended relation, an upper framework receiving the upper portions of said vertical frame members and serving to hold them in verti-

tical position, thereby cooperating with the vertical frame members in holding the interengaging means for said horizontal sill members in position, said upper framework also including foldable members and means on certain of said vertical members for holding the foldable members of said upper framework in extended relation, means on the ends of the foldable members of said upper framework for embracing the corner members of said vertical frame members generally below their upper ends, and hinged roof receiving elements at the upper ends of said vertical frame members, unfolding of the latter facilitating assembly of the said embracing means of the upper framework with the upper ends of said corner members of the vertical frame members, certain of said roof receiving elements being swingable laterally outwardly to form eave supports for said flexible roof covering and others of said hinged roof receiving elements being movable to stretch said flexible roof covering.

2,434,686 FLUID SEAL FOR SHAFTS AND BEARINGS OR THE LIKE

Howard Clayton-Wright, Stratford-on-Avon, England, assignor to Simpson Catherwood Leonard, Detroit, Mich.
Application July 19, 1944, Serial No. 545,663
In Great Britain November 11, 1943
1 Claim. (Cl. 288-2)



A fluid sealing device for shafts, bearings or the like for fitting in an annular space between a rotating part and a stationary part to which it is fixed by its periphery gripping one of the parts, comprising a ring of rigid material in the shape of a washer having a peripheral surface for press fit engagement with one of the parts and a peripheral surface spaced from the other of the parts, and a ring of rubber or rubberlike material formed of an annular body bonded to one face of said rigid ring material between said peripheral surfaces, one edge of said rubber ring overlapping the peripheral surface of said rigid ring which is spaced from one of the parts and having its opposite edge tapered with one side thereof being flush with the opposite peripheral surface of said rigid material and the opposite side of the edge projecting beyond the peripheral surface of said rigid material.

2,434,687 PROCESS FOR PRODUCING VITAMIN A ACTIVE ESTERS

Norris D. Embree and Edgar M. Shantz, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application November 26, 1942, Serial No. 467,048
2 Claims. (Cl. 260-471)

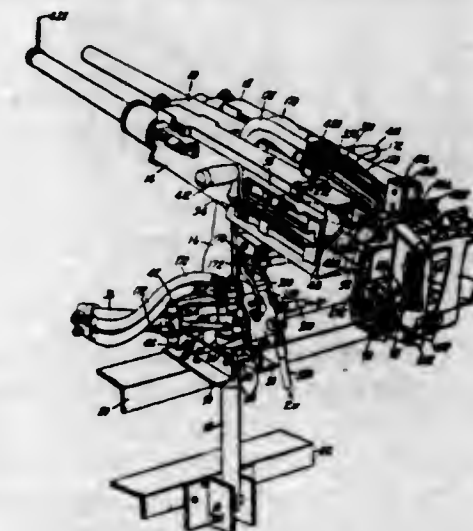
1. The process which comprises esterifying a preparation which contains a high concentration of a chemical compound which is obtainable from liver oils and which has the following properties: (1) the probable formula $C_{40}H_{56}(OH)_2$; (2) little

or no vitamin A activity; (3) convertible into vitamin A active substance by heat treatment; (4) an ultraviolet absorption maximum at approximately 290 $m\mu$; (5) reacts with antimony trichloride to give a reaction product which has an absorption maximum at approximately 428 $m\mu$; (6) a melting point of approximately 95-97° C.; (7) forms a dinitro benzoate having a melting point of approximately 200° C.; (8) forms a phenylazobenzoate having a melting point of approximately 153-155° C.; (9) a molecular weight of approximately 575; (10) 8 double bonds in its molecule; (11) a specific optical rotation of about -1.35 (determined in chloroform at 25° C., and in light having a wave length of 546.1 $m\mu$); and (12) an extinction coefficient in ultraviolet light of about 700 at approximately 286 $m\mu$; and then heating the ester thus prepared to an elevated temperature until it is converted at least partially into an ester having vitamin A activity.

2,434,688 REGENERATED KERATIN Ralph L. Evans, Bay Shore, N. Y. No Drawing. Application November 3, 1942, Serial No. 464,428 14 Claims. (Cl. 18-47.5)

1. The method of preparing a modified keratin comprising reducing the keratin with a non-polar mercaptan in an aqueous solution having a pH above 3 and below 13.5, dissolving the reduced keratin in an aqueous alkaline solution having a pH between 9 and 13.5 and precipitating the modified keratin in an acid precipitating bath.

2,434,689 CONTROL MECHANISM FOR POWER- OPERATED GUNS John M. Ewart, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey Application February 5, 1944, Serial No. 521,254 7 Claims. (Cl. 89-41)



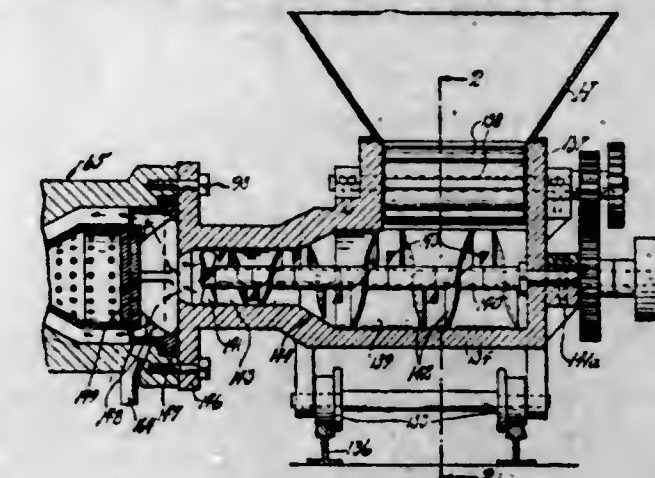
1. In apparatus for controlling the power movements of a device and having a plurality of movable control elements, the combination with said elements, of a control handle having a body portion the outer surface of which is adapted to be grasped by the hand of an operator and mounted on said device for universal movement about two axes which intersect within said body portion of the handle, and means for transmitting movements of said handle to said control elements.

4. In apparatus for controlling the movements of a gun mounted for universal movement about two different axes by means of a plurality of fluid-pressure-operated motors and having a plurality of valve members shiftable to control the

operation of said motors, the combination with said valve members, of a control handle having a body portion the outer surface of which is adapted to be grasped by the hand of an operator and mounted on said gun for universal movement about two axes that intersect within said body portion of said handle and which are parallel to the axes about which the gun is movable, and means for transmitting movements of said handle to said shiftable valve members.

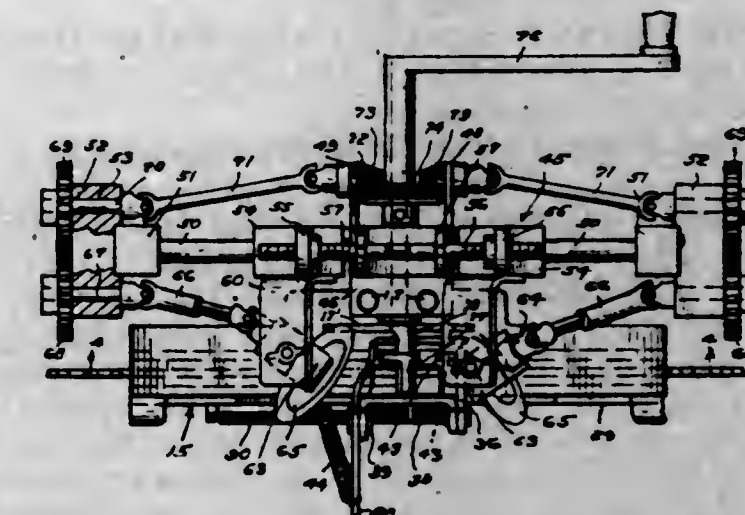
2,434,690 MACHINE FOR PRODUCING ASBESTOS- CEMENT PIPES

John Ferla, East Orange, N. J., assignor of one-fourth to Paul X. Blaettler, Oaklyn, N. J., and three-fourths to U. S. Asbestos Cement Pipe Company, Camden, N. J., a corporation of New Jersey
Original application October 19, 1939, Serial No. 300,275. Divided and this application March 7, 1944, Serial No. 525,448
9 Claims. (Cl. 92-54)



1. In apparatus for forming a pipe, the combination of an elongated compression chamber having an inlet at one end thereof adapted to receive a fibrous cementitious composition therethrough, said chamber having a cylindrical portion of smaller diameter than the chamber and connected at one end by a tapered portion therewith, said cylindrical portion having a discharge opening at the opposite end thereof for extrusion of the composition therefrom, and a screw mounted in the chamber for working the composition therethrough to the discharge end thereof, said screw having a thread portion of smaller pitch in said cylindrical portion than the thread portion thereof in the compression chamber.

2,434,691 SAW SHARPENER Warren S. Fields, Sacramento, Calif. Application December 10, 1945, Serial No. 633,906 6 Claims. (Cl. 76-37)



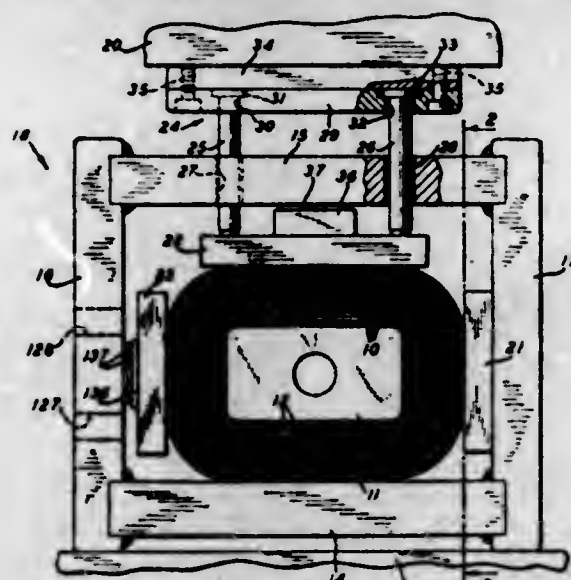
1. A saw sharpener which includes an elongated carriage adapted to slide along a saw blade,

a slide plate movable longitudinally with relation to the carriage, a dog carried by the slide plate and adapted to engage a tooth of the saw blade, at least one saw sharpening wheel mounted on the carriage to move perpendicularly to the direction of movement of the carriage, means to rotate the wheel in contact with a saw tooth to sharpen the latter, means operating in unison with the wheel rotating means intermittently to move the wheel perpendicularly to the carriage and means simultaneously to move the dog into tooth engaging position and the slide plate longitudinally of the carriage whereby the carriage will be advanced periodically along the saw blade.

2,434,692

APPARATUS FOR MAKING CORES OF MAGNETIC MATERIAL FOR ELECTROMAGNETIC COILS

Marcel C. Gauthier, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1943, Serial No. 509,334
1 Claim. (Cl. 266-5)



A device for use in making magnetic cores which comprises a frame having two parallel, spaced, rigid bars, one of the bars being formed with a pair of parallel spaced bores therethrough directed axially toward the other bar, in combination with a separate and removably applicable pressure tool having driving pins thereon to slide freely through the said bores of the one bar to squeeze a core positioned against the other bar and a block to be placed between the said members and the core to transmit pressure therebetween, together with removable means to be placed between the block and the said bar having the holes therein to maintain pressure on the core when the tool is removed.

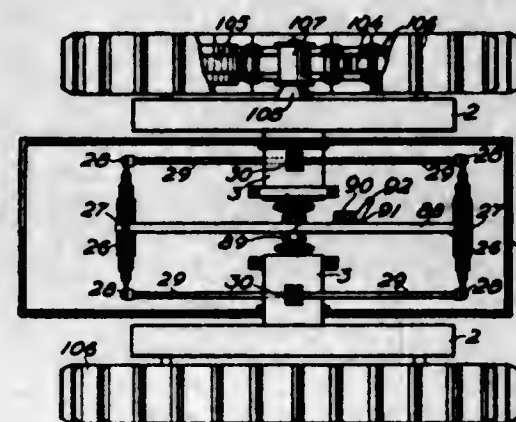
2,434,693

VEHICLE HAVING A BODY CARRIED BY TWO OPPOSING JOURNALS ON TWO WHEEL-SUPPORTED FRAMES

Edward Knut Patrik Graham, Stockholm, Sweden
Application October 5, 1944, Serial No. 557,290
In Sweden November 10, 1943
14 Claims. (Cl. 180-9.1)

1. In a vehicle of the character described, the combination of a vehicle body, a single running gear on each of two opposite sides of said vehicle body, each of said running gears comprising a carrier frame and at least two wheels rotatably mounted in said carrier frame, each of said carrier frames having a journal attached thereto by means of which such frame is pivotally attached to said vehicle body, said journal extending into

the interior of said vehicle body, and an equalizing device located within said vehicle body, said equalizing device interconnecting said journals of said carrier frames within said vehicle body in

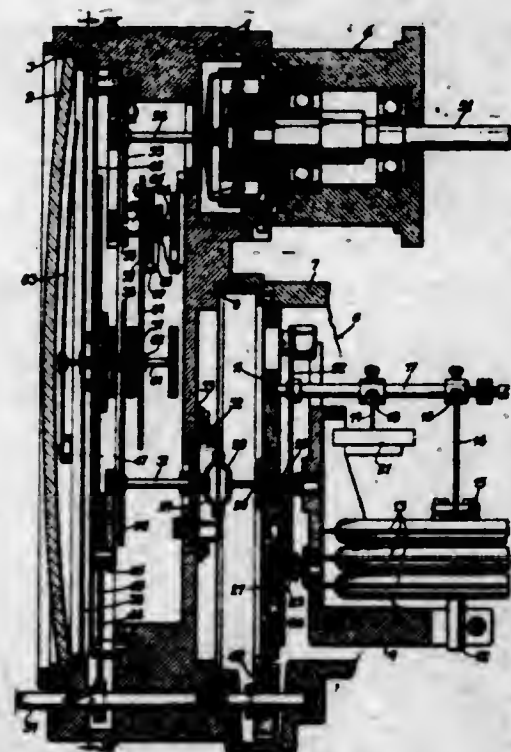


such manner that turning movement of one of said frames relatively to said vehicle body in one direction produces a turning movement of the other frame relatively to the vehicle body in the opposite direction.

2,434,694

GROUND SPEED INDICATOR

Frederic F. Hauptman, Rego Park, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application July 28, 1945, Serial No. 607,511
15 Claims. (Cl. 250-11)



1. A ground speed indicator for aircraft comprising means responsive to the altitude of the aircraft above a datum point, means responsive to the angular velocity of the aircraft about the datum point, means responsive to the tilt angle of a line from the aircraft to the datum point, a dial calibrated in units of ground speed, a reference with respect to which said dial is read, and means for effecting relative movement between said dial and reference in accordance with the response of said three responsive means to indicate by the position of the reference relative to the indicia on the dial the ground speed of the aircraft.

7. In a ground speed indicator for aircraft, a rotatable dial carrying indicia of units of ground speed, a rotatable pointer movable across said dial and with respect to which the ground speed indicia is read, means for rotating said dial through an angle proportional to the difference in altitude pressure between the aircraft and a ground broadcast station, directional means tuned for direction toward the broadcast station in the travel of the aircraft, and means for rotating

said pointer through an angle proportional to the sum of the logarithm of the angular velocity of the directional means about a vertical axis and the logarithm of the co-tangent of the tilt angle of the directional means whereby to indicate by the position of the pointer relative to the indicia on the dial the ground speed of the aircraft.

2,434,695

WATERPROOF CEMENT

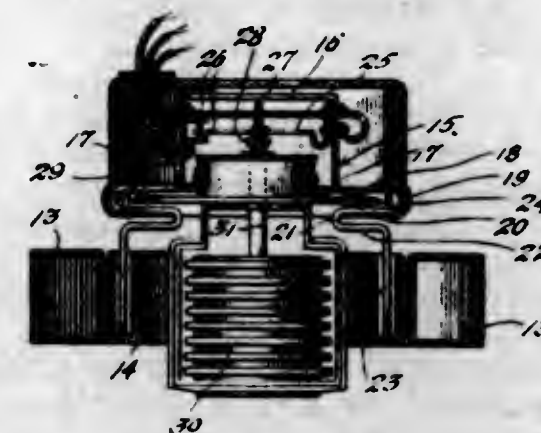
William Helms, South Bend, Ind.
No Drawing. Application October 25, 1945,
Serial No. 624,605
5 Claims. (Cl. 106-92)

1. A liquid waterproofing paint comprising a mixture of calcium chloride and Portland cement in substantially equal parts with about 10% by weight of glucose all mixed homogeneously in water.

2,434,696

THERMOSTATIC SWITCH AND HOLDER THEREFOR

Gray W. Holmes, Miller, Mo.
Application May 26, 1945, Serial No. 595,949
2 Claims. (Cl. 200-140)

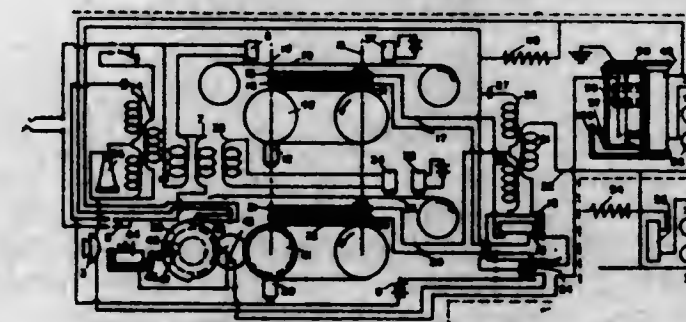


1. A holder comprising a substantially inverted U-shaped body, a switch arm carried by one leg of the body near its junction with the bight portion thereof, at least one contact carried by the opposite leg of the U-shaped body near its junction with the aforesaid bight portion, said contact being adapted to cooperate with the switch arm in opening and closing an electrical circuit, and a clamp at the lower end of each leg to support a conventional thermostat in operative relation with a switch arm.

2,434,697

TIME DIVISION MULTIPLEX TELEPHONE SYSTEM

Charles H. Homrighous, Oak Park, Ill.
Application September 28, 1943, Serial No. 504,121
9 Claims. (Cl. 179-15)

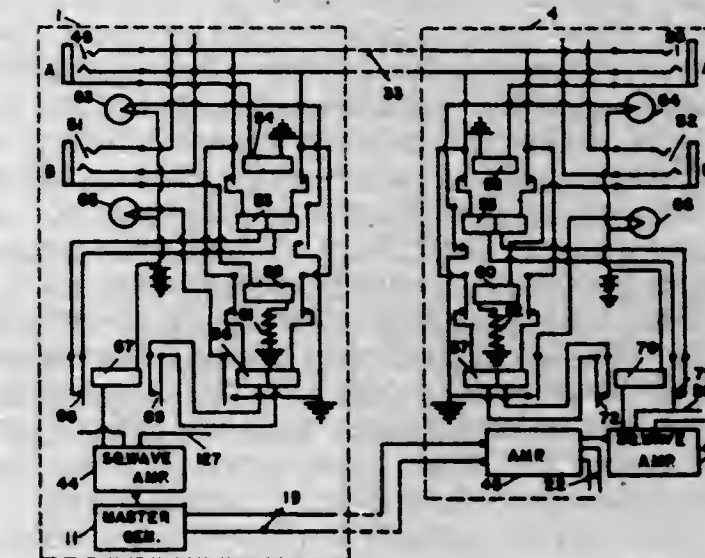


1. In a telephone system, a subscriber's line, sources of high and low potential direct current, means for connecting said sources of current in successive rotation to said line, a supervisory lamp, means for closing a circuit from said source of high potential current over said line during

2,434,698

TIME DIVISION MULTIPLEX TELEPHONE SYSTEM

John H. Homrighous, Oak Park, Ill.
Application February 15, 1944, Serial No. 522,475
10 Claims. (Cl. 179-15)



10. In a telephone system, a first trunk line, extending from a first office to a second office, terminating in at least a first and a second jack in the first office, a subscriber's line terminating in a jack in the first office, means in said first office to produce central impulses, a cord circuit in said first office for connecting said subscriber's line jack to any one of said trunk line jacks, means in said cord circuit under control of said impulses to select portions of electrical signals representative of a telephone message received from said subscriber's line to transmit the signals over said trunk line during certain recurrent periods of time, or during other recurrent periods of time according as the said cord circuit is connected to said first trunk line jack or said second trunk line jack, a second trunk line extending between the first and second offices, means to transmit said control impulses over said second trunk line, a telephone line in the second office, a link circuit in the second office for interconnecting said first trunk line and said telephone line, and means in said link circuit under control of the received control impulses to select said spaced periods to receive the said electrical signals for transmitting the signals over said telephone line.

2,434,699

REFINING UNSATURATED ACIDS AND ESTERS

Ralph H. Huff, Los Angeles, Calif.
No Drawing. Application April 10, 1945,
Serial No. 587,611
14 Claims. (Cl. 260-419)

1. The method of refining a mixture of unsaturated acids of the class consisting of higher aliphatic fatty acids, natural resin acids and esters of said acids for the removal of color bodies, that includes contacting said mixture with a solution of phosphoric acid and sulphuric acid, the proportion (on an anhydrous basis) individually of phosphoric acid and sulphuric acid in the solution being not less than 15% of the total phosphoric and sulphuric acid content.

2,434,700

MOTOR FLOAT

Paul M. Keckley, Wardensville, W. Va.
Application August 16, 1946, Serial No. 691,091
5 Claims. (Cl. 115-16)

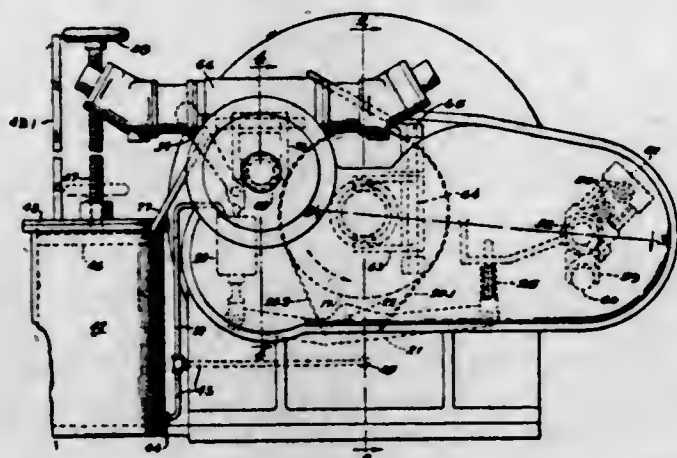


1. A portable motor float comprising a single light weight closed hull comprising a shallow draft rear portion and a relatively deep draft forward or bow portion, said forward or bow portion including a dome rising above said rear portion and a lower part depending below said rear portion, a central water tube extending substantially the length of said hull rearwardly along the bottom of said rear shallow draft portion and forwardly through said deep draft bow portion to a point in spaced relation to the prow of said bow portion in upwardly spaced relation with the bottom of said bow portion, a propeller chamber in said bow portion into which the forward end of said water tube opens, a water intake nozzle in said bow portion opening at its rear end into said propeller chamber, a screw propeller mounted in said propeller chamber, and an engine mounted in said bow portion beneath said dome and drivingly connected to said propeller.

2,434,701

GLIDER AND CARGO PICKUP

Emory N. Kemler, West Lafayette, Ind., assignor to Muncie Gear Works, Inc., Muncie, Ind., a corporation of Indiana
Application May 15, 1944, Serial No. 535,652
10 Claims. (Cl. 254-160)

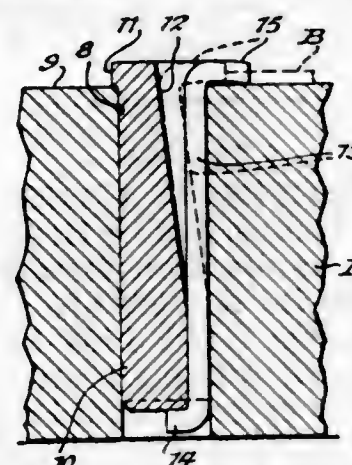


5. A pick-up winch, comprising a cable reel, a hydraulic brake rotor in driving relation to said reel, a brake housing around said rotor, a liquid in said housing, surfaces on said rotor for centrifugally impelling said liquid, surfaces on said housing reacting with said liquid to brake said rotor rotation, an expansible receiver connected to said housing for pumping liquid to and from the housing to regulate the braking power of said rotor, and mechanical braking means for said reel, comprising a brake drum, a brake lever fulcrumed at one side of said drum, a brake band around said drum and having its ends connected to said lever at opposite sides of and at respectively different distances from the fulcrum thereof, a spring acting on said lever to normally tighten said brake band, and a hydraulic jack actuated by liquid pressure in said housing and acting on said lever for releasing said brake band.

2,434,702

TOOL

John F. Koczynski, Buffalo, N. Y.
Application May 31, 1946, Serial No. 673,711
7 Claims. (Cl. 164-59)

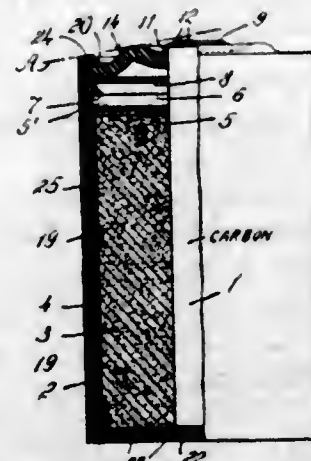


1. An automatic stop for stock in perforation punching apparatus which comprises a die base for mounting a female die, a die head for mounting a male die and movable towards and from said base, a stripper disposed above said base, a stop immovably carried by said base and extending slightly upwardly from the upper face of said base into the path of stock moving along said face, beneath said stripper, said stop having a notch in that side of its extending part towards which the stock moves, a member disposed in said notch and yieldingly urged to extend sideways of the stop out of said notch and over the top of said base but pushable into said notch by engagement therewith of an advancing edge of said stock, as the advancing movement of stock is limited, the lifting of the male die lifting the perforated stock above said stop until stopped by said stripper, whereby as the stock is lifted, said member springs beneath the stock to hold it above said stop and enable further advance of said stock released by the stripper and falling upon said member until a perforation in the stock drops over said stop and an edge of said perforation engages said member and pushes it back into said notch.

2,434,703

DRY CELL CLOSURE

Morris D. Koppelman, New Haven, Conn., assignor to Olin Industries, Inc., a corporation of Delaware
Application May 25, 1943, Serial No. 488,334
1 Claim. (Cl. 136-133)



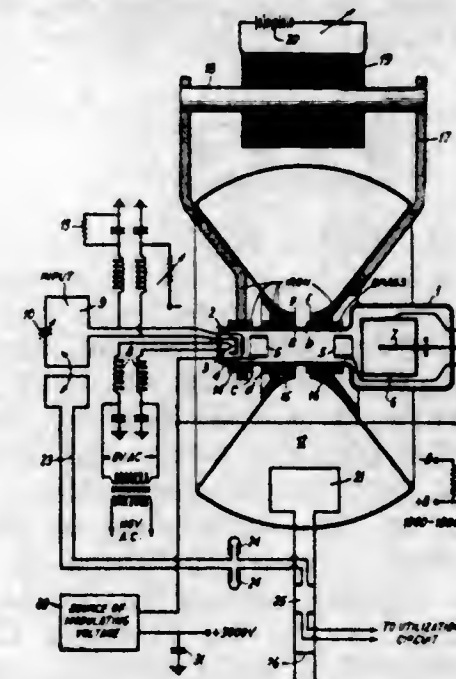
A leakproof cell comprising a zinc can forming an electrode, a carbon electrode arranged in the can, an outer metallic container surrounding the zinc can, a jacket of insulating material arranged between the wall of the can and the wall of the container, the bottom of the container being in electrical contact with the zinc can, and a closure of molded insulating material arranged at the upper end of the cell, the upper edge of the insulating jacket and the upper edge of the container being crimped over the top of the pe-

riphery of the closure member, the shape of the closure member being such that a line tangent to the upper edge of the container and to the upper end of the carbon electrode passes through the material of the closure member.

2,434,704

ELECTRIC SPACE DISCHARGE CIRCUITS

Fred H. Kroger, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application March 20, 1944, Serial No. 527,278
46 Claims. (Cl. 179-171.5)

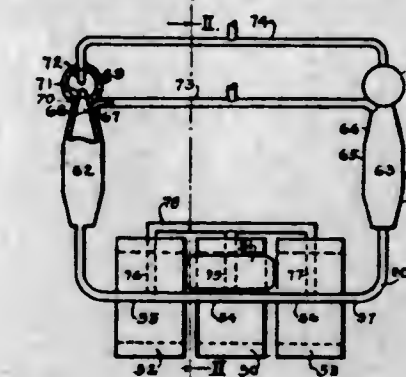


18. In an electron discharge device having a cathode, an input control electrode, and an output tank circuit adapted to be excited inductively by the passage of a stream of electrons emanating from said cathode, the method of operation which includes producing constant high frequency oscillations, impressing said constant frequency oscillations between said control electrode and said cathode, and subjecting the electrons between said control electrode and said tank to a varying electric field in accordance with signal modulations.

2,434,705

GAS COMPRESSOR

Francis Lago, Bronx, N. Y., assignor to Henry W. Jarrett and Phillip H. Sellow, New York, N. Y.
Application September 9, 1944, Serial No. 553,359
33 Claims. (Cl. 230-85)

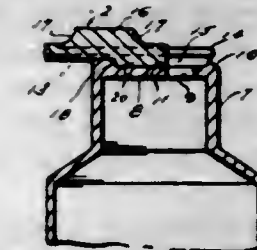


1. A device of the character described comprising, in combination, a conduit adapted to contain a conducting liquid and having a pair of electrodes within it spaced from each other in a direction transverse to the conduit, a magnetic core having its poles embracing said conduit and spaced in a direction transverse to the spacing of said electrodes, an electric coil for energizing said core to create an alternating magnetic flux across said conduit creating a magnetic field, and means associated with said conduit for modifying said magnetic field to cause the same to sweep in the direction of extension of the conduit.

2,434,706

RECIPROCATING CLOSURE FOR COLLAPSIBLE TUBES WITH PARALLEL GUIDE FLANGES

Paul D. Malyszko, Portland, Oreg.
Application March 3, 1944, Serial No. 524,917
1 Claim. (Cl. 222-561)

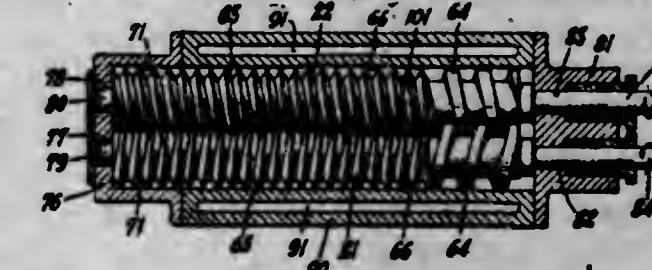


As a new article of manufacture, a collapsible tube having an outwardly projecting reduced discharge neck, the outer discharge end of said neck being provided with a substantially flat closing diaphragm, said diaphragm having a discharge port adjacent one end portion and being provided outwardly of said discharge port with an upstanding projection constituting a detent, said diaphragm being provided at an opposite end with a riser constituting an abutment and stop shoulder, the neck outwardly of said diaphragm being provided with parallel outstanding portions formed with inwardly projecting opposed parallel flanges, said flanges occupying a plane overlying the diaphragm, riser, and detent in outwardly spaced relation and defining an open-ended channel-like closure assembling mount and guide tracks for said closure, a closure comprising an elongated block-like body disposed in the channel between the guide tracks and having its inner surface in slidable contact with said diaphragm, said block being of a length corresponding to the length of the channel, the underneath surface of said block being flat and in intimate movable contact with the diaphragm, and one-half portion of said underneath surface being fashioned into a depending lug-like port-closing element, said element also constituting a stop shoulder and being engageable with the first-named stop shoulder, this to limit the sliding movement of the body in one direction, said body being provided, intermediate its outer top surface with a raised part having transversely curved ends forming finger recesses to facilitate grasping and sliding the body from closed to open position, the opposite longitudinal perimeter portions of said body being provided with channels, the aforementioned flanges snugly fitting into said channels, and said channels defining inner and outer pairs of flanges, the latter having slidable contact with said first-named flanges.

2,434,707

CONTINUOUS MILLING PROCESS AND APPARATUS

Walter R. Marshall, Bloomfield, N. J., assignor to Bakelite Corporation, a corporation of New Jersey
Application October 9, 1943, Serial No. 505,653
10 Claims. (Cl. 18-2)



5. Apparatus for milling and conveying a plastic comprising in combination a pair of parallel horizontal rolls having intermeshing left- and right-handed helical threads of a V-shape in

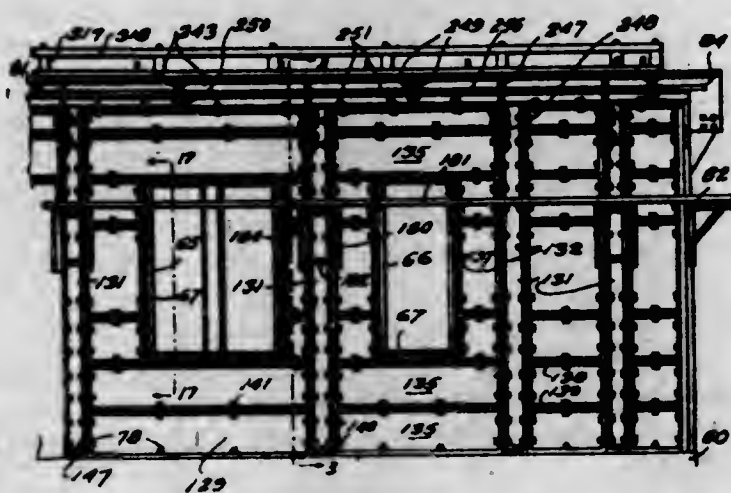
axial cross-section with a radial clearance in excess of mechanical clearance between the threads in the zone of intermesh to form a bite for the passage of the plastic, a housing enclosing and supporting the rolls, said housing having a chamber open to the rolls and including a saddle plate having a dual bore closely accommodating the rolls to form an edge projecting into a non-intermeshing space between the rolls and said plate extending in part about the rolls, and means for rotating the rolls in counter directions and away from the projecting edge on the saddle plate.

8. In a process for milling a volatile-containing plastic by parallel horizontal rolls having intermeshing helical threads of a V-shape in axial cross section with a radial clearance in excess of mechanical clearance between the threads in the zone of intermesh to form a bite for the passage of the plastic and a closed housing about the rolls having a chamber open to the rolls and a saddle plate formation extending in part about the rolls and provided with an edge projecting into a non-intermeshing space between the rolls, the steps which comprise feeding the plastic to the rolls within the housing, reducing the plastic by rotating the rolls in counter directions to draw the plastic into the bite from the space into which the edge projects and to tear apart the plastic upon emerging from the bite to release volatile while conveying the plastic longitudinally of the rolls by the rotation, and sweeping an inert atmosphere through the chamber of the housing to carry off released volatile.

2,434,708

MOLDING APPARATUS FOR FORMING BUILDINGS

William R. Mathis, Tampa, Fla.
Application December 5, 1942, Serial No. 467,971
5 Claims. (Cl. 25-131)



1. In mold apparatus for monolithic wall construction, the combination of a plurality of spaced upright channel members each having relatively deep flanges and a web, the outer face of which forms a part of the wall material engaging surface, said flanges of each channel member provided with a first series of vertically spaced transverse holes adjacent the web and a second series of vertically spaced transverse holes adjacent the free margins of the flanges, a plurality of mold panels fitting between said channel members with one face of each panel flush with said outer face of the channel member webs to also form a part of the wall material engaging surface, each panel provided with relatively shallow lateral flanges normal to the plane of its said face, said lateral flanges having holes aligning with holes of the first series of holes in the channel member flanges, means passing thru said aligned holes for detachably connecting said panels to the channel members, scaffolding including deck brackets disposed at said channel members,

each bracket including a vertical leg engaging the outer face of a flange of its respective channel member and engaging the lateral flange of the next adjacent panel, said bracket leg provided with transverse holes aligned with holes of said second series of holes in the channel member flange, and means extending thru said last mentioned aligned holes for detachably connecting the brackets to the channel member.

2,434,709

NONSLIP TEXTILE ARTICLE

Russell R. Matthews, Cornwall, N. Y.
Application April 29, 1944, Serial No. 533,272
1 Claim. (Cl. 28-80)



In a woven floor covering fabric, upper and lower weft shots, stuffer warps between the upper and lower weft shots, pile held by the upper weft shots, warps passing over and under the upper and lower weft shots respectively, and a non-slip coating on the underside of the lower weft shots to form therewith ridges to prevent the fabric from slipping when in position on a floor, said coating having its greatest thickness at the line of contact of each coated ridge with the floor.

2,434,710

PROCESS OF TREATING ALKALINE EARTH HYDRATES OR OXIDES, AND THE RESULTING PRODUCT

Leonard John Minnick, Cheltenham, Pa., assignor to G. & W. H. Corson, Inc., Plymouth Meeting, Pa., a corporation of Delaware
No Drawing. Application May 18, 1944,
Serial No. 536,200
15 Claims. (Cl. 23-186)

1. The process of treating an alkaline earth compound selected from the group consisting of the oxide and the hydrate, said compound being discolored by ferric iron, to form a substantially white alkaline earth hydrate which comprises mixing, with a mixture of said alkaline earth compound and water, a non-color-imparting inorganic compound selected from the group consisting of the compounds having sulphur and oxygen, phosphorus and oxygen, and arsenic and oxygen in the anion thereof, said anion being in the state of incomplete oxidation, a mercurous salt, a stannous salt, and a cyanide; subjecting said mixture to an elevated temperature above about 180° F.; and maintaining said mixture at elevated temperature to react said non-color-imparting compound with at least enough of the ferric iron originally present to form a substantially white non-color-imparting reaction product containing iron to render said product substantially white.

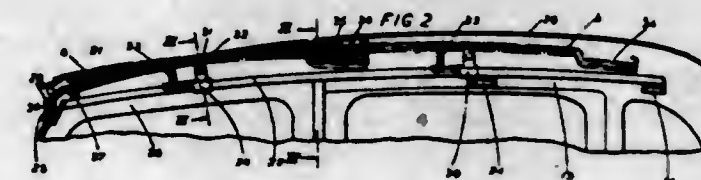
2,434,711

SLIDING ROOF FOR VEHICLES

Herbert Mobbs, Church Brampton, near Northampton, and George Henry Smith, Slough, England
Application June 18, 1945, Serial No. 600,076
In Great Britain June 5, 1944
6 Claims. (Cl. 296-137)

6. In a roof for an automobile including a fixed section covering a part of the body, a movable

section slidable from an extended position overlying another section of the body past an edge of the fixed section to a retracted position masked by the fixed section, guides extended parallel to the path of travel of the movable section and extending in spaced relation to a surface of the fixed section, and a slide movable along each guide; means pivotally supporting the movable section substantially midway of its length on the slide for tilting about an axis substantially parallel to the edge of the fixed section past which it moves and between the margins

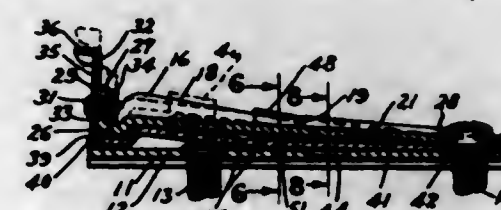


of the movable section, said means including resilient elements interposed between the end portions of said movable section and the guides and arranged to permit tilting while resisting lateral displacement of the movable section said movable section being arranged to move past said edge of and to clear said fixed section, and said edge of the fixed section and an edge of the movable section being arranged to be brought into and out of engagement by tilting of the movable section in its extended position.

2,434,712

REAR SIGHT FOR FIREARMS

Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application March 22, 1944, Serial No. 527,577
19 Claims. (Cl. 33-58)



1. In a sight for firearms, a base including a member having a downwardly and rearwardly unbroken inclined surface, a sight leaf extending lengthwise of and attached to said base and lying alongside of the member having the inclined surface, a flat leaf spring in engagement with said leaf to normally urge it downwardly, a slide resting on the inclined surface, extending under said leaf, and being slidable along the inclined surface to elevate the sight leaf, and cooperating means between said leaf spring and said slide to act at intervals of the sliding movement of said slide along said inclined surface to releasably lock it in position.

2,434,713

BEAM DEFLECTION TUBE HAVING PARALLEL FOCUSING AND BEAM DEFINING PLATES

Charles W. Mueller, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 1, 1944, Serial No. 561,339
15 Claims. (Cl. 250-158)

1. An electron discharge device having a cathode for providing a beam of electrons, electrode

means toward which said electrons are directed, means positioned between said cathode and said electrode means and including an electrode assembly for periodically deflecting the beam of electrons, said assembly including a pair of conducting plate-like members extending transversely of the path of the beam of electrons and spaced apart to provide a passageway therebetween through which the beam path lies, said

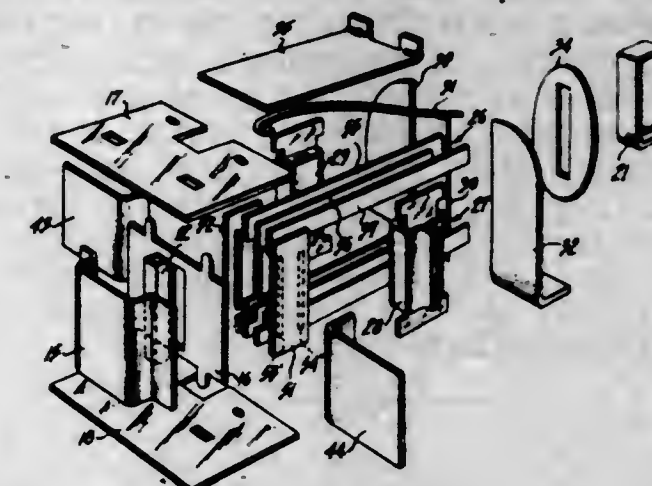
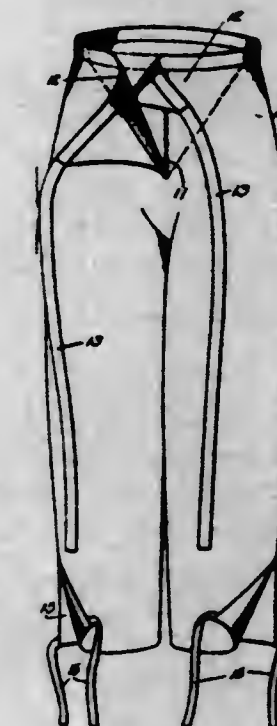


plate-like members having oppositely disposed registering portions extending toward each other to provide an aperture, spacing means positioned at opposite edges of said plate-like members and extending parallel to the beam path from one side of said plates for providing supporting arms, and a pair of deflecting electrodes supported in spaced relation with said plate-like members by said spacing means and between which the beam path lies.

2,434,714

GARMENT

Marguerite S. Newcombe, Crystal Lake, Ill.
Application September 26, 1945, Serial No. 618,710
1 Claim. (Cl. 2-227)



A garment having a slit portion at one marginal edge thereof said slit extending only a part of the distance towards the opposite edge of the garment, said slit portion having substantially triangularly shaped overlapping edge portions adapted to extend considerable distances around the wearer in opposite directions, said distances of overlap being variable with the size of the wearer and means for securing said edge portions in place, comprising tapes attached to said edge portions and adapted to be passed around the wearer.

2,434,715
GLUTAMIC ACID-FREE PROTEIN HYDROLYSATE AND THE PRODUCTION THEREOF
 Harold S. Olcott and James C. Lewis, Berkeley, Calif., assignors to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Application February 9, 1945,

Serial No. 576,995

8 Claims. (Cl. 260—313)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of preparing a protein hydrolysate which is substantially free of glutamic acid, comprising transforming the glutamic acid contained in a protein which has been hydrolyzed to the constituent amino acids into its lactam by adjusting the pH of the hydrolysate to the range about from 2 to 11 and heating in the range about from 115° to 140° C., and then separating the lactam from the hydrolysate.

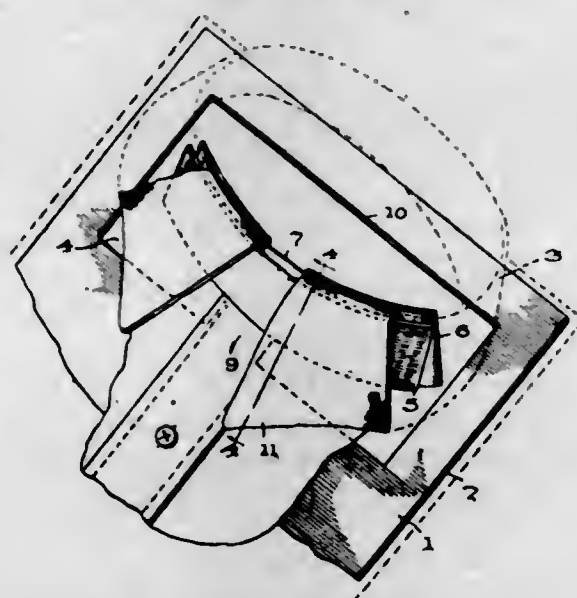
2,434,716

SHIRT BOARD

Sidney Ralph, Jacksonville, Fla.

Application March 10, 1945, Serial No. 582,133

4 Claims. (Cl. 223—71)



1. A shirt board, comprising concentric arcuate strips cut-out from the board, said strips being connected with each other and with the board, and foldable with respect to each other and the board to support the collar wings and neck band of a shirt carried by the board.

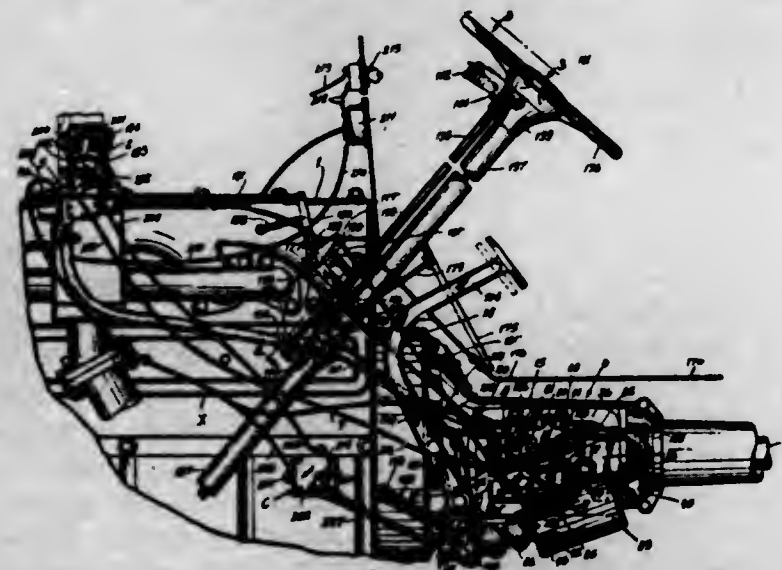
2,434,717

POWER DRIVE CONTROL SYSTEM

Glenn T. Randol, Detroit, Mich.

Application December 10, 1941, Serial No. 422,332

76 Claims. (Cl. 192—.01)



1. In a motor vehicle provided with an accelerator mechanism and a change speed gearing

having an element capable of assuming two speed ratio positions and a neutral position, means for shifting the element of said gearing alternately between one speed ratio and another, control means for said shifting means including said accelerator mechanism, said means causing the shifting means to place the element of the gearing in one speed ratio when the accelerator mechanism is in released condition and for causing the shifting means to place the element of the gearing in the other speed ratio when the accelerator mechanism is fully depressed, manually-controlled means for moving said element of the gearing to neutral position at will by manual effort, and means controlled by the manually-controlled means when caused to move the element of the gearing to neutral for disabling the shifting means for the two speed ratios.

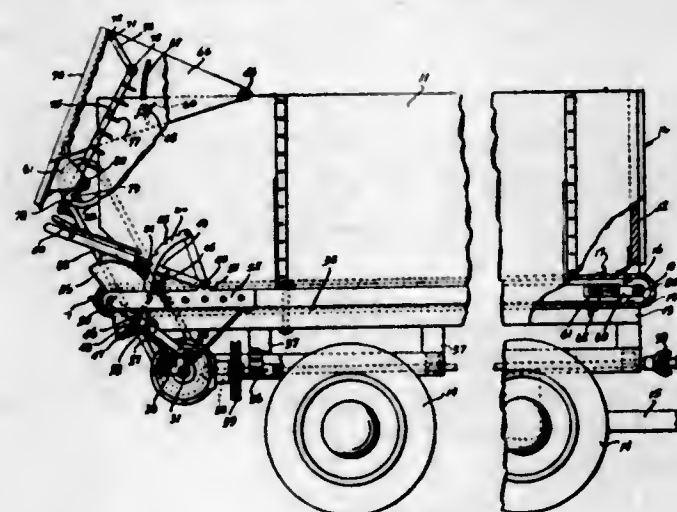
2,434,718

WAGON-BOX CONVEYOR

Gerald J. Recker, Hopkinton, Iowa

Application April 30, 1946, Serial No. 666,045

10 Claims. (Cl. 214—83)



1. A vehicle including a frame, a body carried by said frame including side walls, an end wall and an open end, an endless conveyor forming a floor for said body, axles for said conveyor mounted on said frame, a ratchet carried by one of said axles, an arm pivoted adjacent said one of said axles, a pawl carried by said arm engageable with said ratchet, means for moving said arm and hence said pawl to rotate said one axle and advance said conveyor towards the open end of said body, said means comprising a transverse shaft, and a cam on said transverse shaft operatively engaging said arm, an agitator mounted on said body adjacent said open end, a second transverse shaft drivingly connected with said agitator, and common drive means for said transverse shafts including a shaft extending longitudinally of said body, and gear means connecting said longitudinal shaft with said transverse shafts.

2,434,719

FIBROUS STOCK DYEING MACHINE

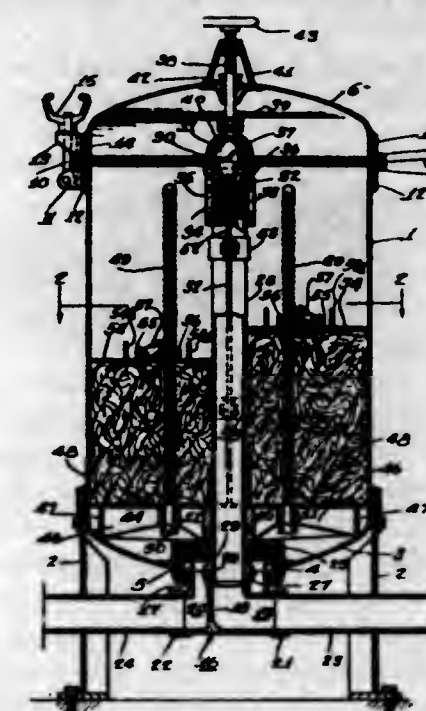
Alexander Robertson, Philadelphia, Pa., assignor to Venango Engineering Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application April 30, 1946, Serial No. 666,112

2 Claims. (Cl. 68—187)

1. In apparatus for dyeing and otherwise treating fibrous material, a carrier for supporting the material comprising a vertical standpipe, a support on said standpipe adjacent the lower end thereof for material packed thereabout, a plurality of ratchet bars mounted on said support and extending parallel to said standpipe in laterally spaced relation thereto, a compression plate slidable vertically on each of said ratchet bars and

adapted to overlie the material on said support, and means associated with each of said compression plates arranged to releasably engage the



ratchet bars thereby to retain said plates individually in compression upon the material on said support.

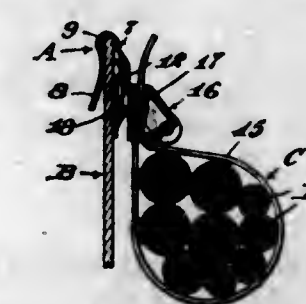
2,434,720

MOUNTING MEANS FOR FLEXIBLE STRAP CLIPS

Archibald Robertson, North Hollywood, and Dale W. Merritt, Torrance, Calif., assignors to Adel Precision Products Corp., Burbank, Calif., a corporation of California

Application June 26, 1944, Serial No. 542,202

6 Claims. (Cl. 248—74)



1. In a mounting means for a wire or conduit supporting clip having a member projecting therefrom to afford a detachable connection thereof with the mounting means, a U-shaped spring metal clasp the legs of which are adapted to lie upon opposite sides of a support on which the clip is mounted, and a resilient tongue-like jaw carried by and being inwardly offset from one of said legs so as to grip the support between it and the other of said legs, the leg carrying said jaw having a slot therein for reception of said member on the clip to detachably support the clip on said clasp and being outwardly offset between its ends.

2,434,721

SPRAY NOZZLE

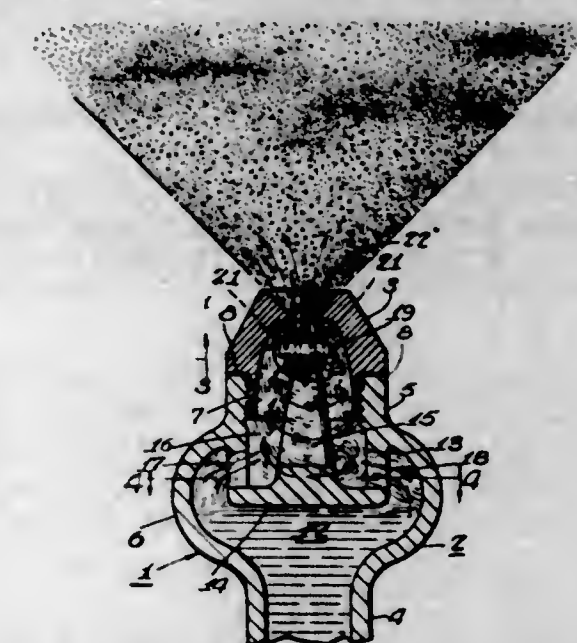
Arthur C. Rowley, Drexel Hill, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 25, 1946, Serial No. 649,817

5 Claims. (Cl. 299—115)

1. A nozzle of the type described comprising a body having an inlet and an outlet and an intermediate chamber in open communication with said inlet, a discharge tip at the end of said outlet having a discharge port therein, and means in said body providing an annular passage from said chamber through said outlet substantially to said discharge tip, said means having ports

therein opening from said chamber to said annular passage substantially tangent thereto and having a plurality of discharge openings therein



adjacent said discharge tip arranged with their axes substantially in alignment with the adjacent edge of the discharge port in said tip.

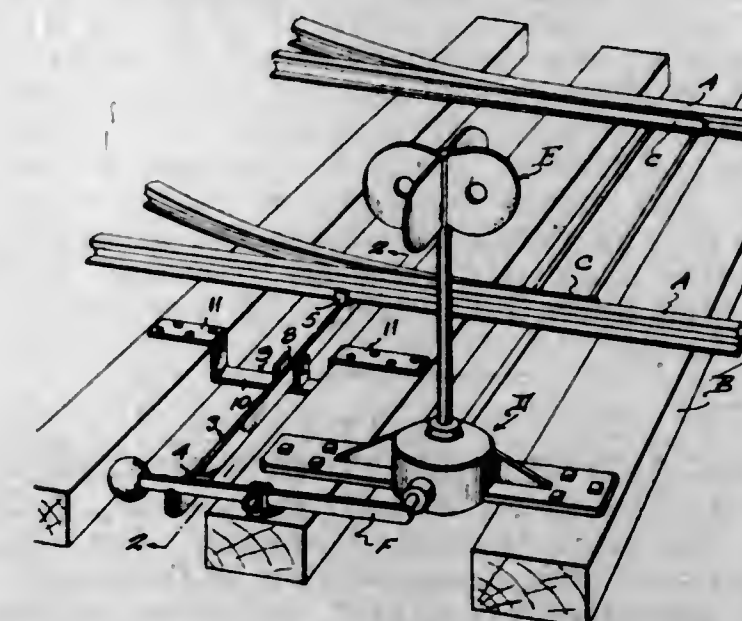
2,434,722

RAILWAY SWITCH LOCKING DEVICE

Rubertus W. Rutledge, Morganton, and Fred P. Higginbotham, Black Mountain, N. C.

Application January 15, 1945, Serial No. 572,936

4 Claims. (Cl. 246—401)

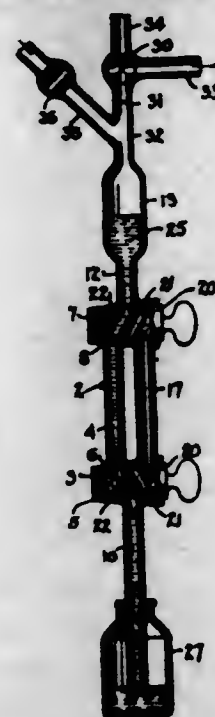


1. In a structural assemblage of the class described, in combination, a track structure embodying spaced parallel complementary cross-ties, standard rails mounted for operation atop said cross-ties, switch points also mounted on said cross-ties and arranged for coaction with predetermined portions of said rails, a conventional type switch stand, a lever mounted for operation on said switch stand, a switch point retaining and releasing arm, means fastened on at least one of said cross-ties and supporting said arm, said arm being disposed in parallelism alongside a coating cross-tie and hingedly mounted on said means and operating within the confines of the space existing between adjacent surfaces of said cross-ties, the outer end of said arm being provided with a notch situated adjacent outer ends of the cross-ties, an end portion of said lever being seated in said notch and adapted to engage and depress the outer end of the arm when said lever is in one of its extreme positions, a point latching clip on the inner end of said arm, said clip being of U-shaped form and partially embracing one of said rails and the adjacent switch point when the outer notched end of said arm is depressed by said lever, and a coiled spring

mounted in said clip and interposed between the clip and said one rail for normally urging the clip in a direction away from the rail and switch point.

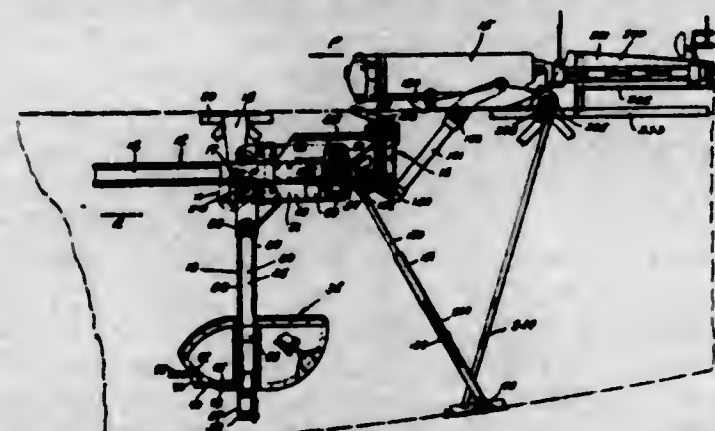
2,434,723
MEANS FOR MEASURING VOLUMETRIC SAMPLES

Ellen L. Shook, Port Arthur, Tex.
Application December 1, 1944, Serial No. 566,123
6 Claims. (Cl. 73-421)



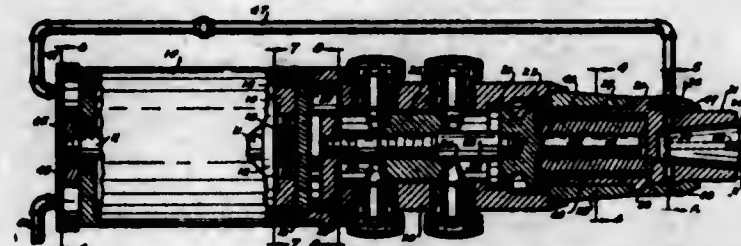
1. An instrument for the measurement of a sample of fluid comprising a sample receiving chamber including a valve at each end thereof, an inlet to said chamber beyond one valve, a receiver portion beyond the other valve, means to apply a suction to the instrument above said receiver, additional means to introduce a washing fluid, and means including a passage through each of said valves to release the excess of the material from said receiver to escape through said inlet upon the turning of the valves to trap the sample.

2,434,724
GUN AND GUNNER'S CHAIR MOUNTING
James S. Smithson, Beverly Hills, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application May 4, 1934, Serial No. 723,909
16 Claims. (Cl. 89-37.5)



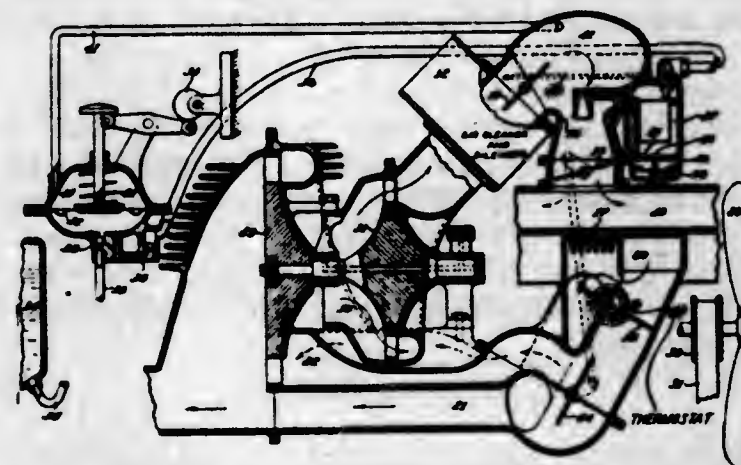
1. In a device of the character described, the combination of: a supporting structure; a chair movable on said structure so that the occupant may face in different directions in a normal sitting position; carriage supporting means on said supporting structure; a gun carriage adapted for mounting a gun; means for mounting said gun carriage on said carriage supporting means so that said gun carriage is bodily movable in a path about said chair; and means for pivotally supporting said structure to tilt said chair from said normal position into a substantially reclining position.

2,434,725
ELECTRIC HAMMER
Benjamin W. Snodgrass, Denver, Colo., assignor of one-half to Benjamin F. Englander, Denver, Colo.
Application March 1, 1946, Serial No. 651,153
6 Claims. (Cl. 255-38)



1. In an electric hammer of the character described having a tubular casing assembly, an electric motor housed in one end and with its power shaft axially of said assembly, and a speed-responsive clutch including a shaft-concentric driven member operatively associated with the motor power shaft inner end interiorly of said assembly, a tool mounting unit rotatably and reciprocally carried in the end of said assembly remote from said motor, an impact member rotatable and reciprocally axially within said assembly between said clutch driven member and tool mounting unit, an axially-slidable, angularly-fixed, rotational driving connection between said clutch driven member and one end of said impact member, a head on the other end of said impact member for repetitious work-effecting engagement against the tool mounting unit adjacent end, cooperating impact member cam and casing assembly follower means effective to reciprocate said impact member as an incident of its rotation, a tongue fixedly projecting axially from said impact member head in slidably-supported association with said tool mounting unit, and means reactive to rotation of said tongue for frictional engagement with and consequent rotation of said tool mounting unit.

2,434,726
SUPERCHARGER FOR AUTOMOTIVE VEHICLES
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application November 17, 1943, Serial No. 510,842
7 Claims. (Cl. 60-13)



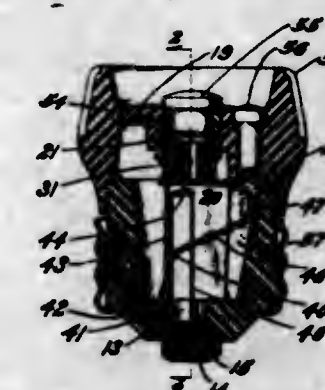
6. In combination with an internal combustion engine having a turbo-supercharger, a carburetor and an exhaust manifold connected to said supercharger, an exhaust outlet from said manifold which permits the exhaust gases to bypass said turbo-supercharger, a spring loaded eccentrically mounted valve responsive to exhaust flow located in said exhaust manifold and adapted at low exhaust flow to divert the flow of exhaust gases into said bypass and at high exhaust flow to direct the flow of exhaust gases into said turbine so as to drive said turbo-supercharger and to supercharge the engine.

2,434,727
METHOD OF PREPARING A PHOTSENSITIVE BLOOD ALBUMIN LITHOGRAPHIC SOLUTION

Charles H. Van Dusen, Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application August 7, 1944, Serial No. 548,515
2 Claims. (Cl. 95-7)

1. The method of preparing a clear, odorless and fungus mold resistant photo-sensitive lithographic solution which comprises dissolving powdered blood albumin in water, filtering the resulting aqueous blood albumin solution to remove suspended colloidal matter, deodorizing the thus filtered aqueous blood albumin solution by intimately stirring finely divided activated carbon therein, filtering the aqueous blood albumin-finely divided activated carbon mixture to remove the finely divided activated carbon therefrom, dissolving a water-soluble dichromate in the solution, and then adjusting the pH value of the resulting solution by adding an aqueous solution of ammonia thereto until the pH value of the solution is not substantially more nor substantially less than 9.1.

2,434,728
PLUG TYPE CIRCUIT BREAKER
Victor H. Van Sant, Glen Ridge, N. J.
Application December 29, 1945, Serial No. 638,058
7 Claims. (Cl. 200-116)



1. A circuit-breaker comprising a hollow base having a shell thereon and a coaxial stud slidably extending through the bottom of the base and keyed against rotation, an arm within said base fulcrumed in a V-shaped slot in the bottom of the interior thereof adjacent to the stud, a thermally expansive conducting element stretched between the free end of said arm and said stud, a stationary contact upon said base connected to said shell, a button movable within said base carrying a contact in registry with said stationary contact, spring means for urging said button in a direction to separate said contacts and for urging said arm to move about its pivot in a direction to stretch said conducting element, and a pair of interengaging elements, one carried by said button, and one by said arm, releasable by movement of said arm about its pivot in response to a stretching of said conducting element.

2,434,729
EXPANSIBLE BRACELET
Richard H. Whitehead, New Haven, Conn., assignor to The New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut
Application May 18, 1946, Serial No. 670,695
8 Claims. (Cl. 59-79)

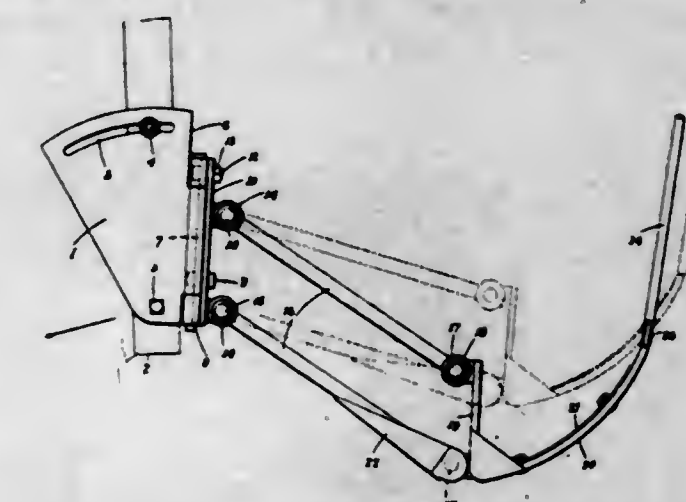
1. A flexible bracelet comprising a plurality of alternate members extending transverse to the

bracelet and distributed along its length, an intermediate member for each of said pairs for connecting together the members of said pair, said connecting member being slidably connected with at least one of said alternate members in the di-



rection of extension of the bracelet, stops to limit the sliding motion, and spring means within said intermediate member for engaging the sliding alternate member for urging said sliding alternate member toward the other alternate member.

2,434,730
VINEYARD FLOW
Eric M. Woock, Lodi, Calif.
Application December 29, 1945, Serial No. 638,192
2 Claims. (Cl. 97-137)



1. A vineyard plow, comprising a draft member, a pivotally connected parallelogram assembly including parallel end supporting members extending transversely of the line of draft of the draft member, draft links pivotally attached at their ends to said parallel supporting members, means connecting one of said supporting members to the draft member with said assembly extending in rearward and laterally outwardly angled relation to said line of draft, a plow blade mounted in connection with the other one of said supporting members; said means including a horizontal attachment plate secured to the draft member for angular adjustment in a horizontal plane, and said one supporting member being hinged to the attachment plate for up and down swinging motion about a horizontal axis extending transversely of the line of draft of the draft member.

2,434,731
PLATINUM SHEET ELECTRODE
Alexander E. zu Eltz, New York, N. Y., assignor to Baker & Co. Inc., Newark, N. J., a corporation of New Jersey
Application November 16, 1943, Serial No. 510,466
2 Claims. (Cl. 204-286)

1. A sheet electrode for electrochemical processes, comprising an electrode plate of electrically conductive corrosion resistant platinum metal, and a channel shaped electrical feeding bar having a core of electrically highly conductive metal, said core being subject to corrosion in an unprotected state, said electrical feeder bar, including its involute surfaces, and including all sur-

faces in contact with the electrode plate, being clad externally with a covering of corrosion resistant platinum metal, the ends of the feeder bar remaining unclad from such points which are safe from corrosion, said electrode plate being



mechanically sealed to said feeder bar within the channel of said feeder bar along the full width of the upper portion of the electrode plate and in electrically conducting contact along both sides of said upper portion.

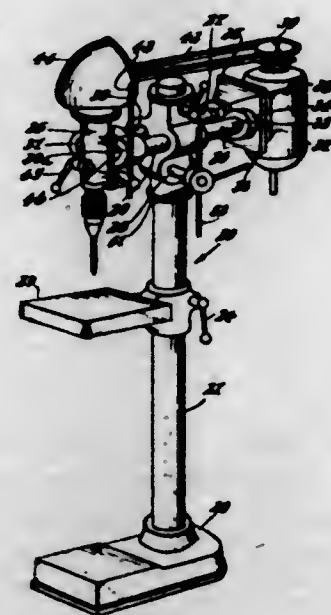
2,434,732

EXTENSIBLE DRILL PRESS

James Alick, New York, N. Y.

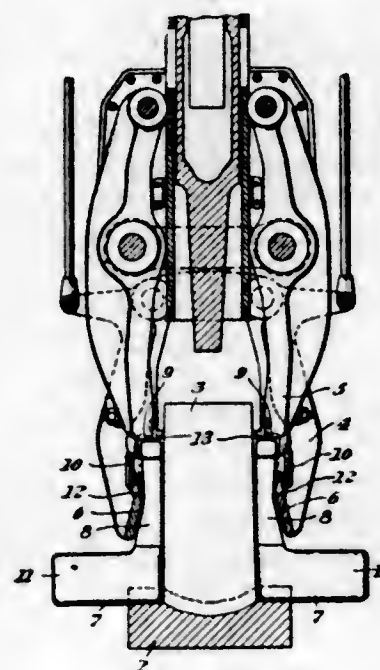
Application June 30, 1944, Serial No. 544,022

2 Claims. (Cl. 77-27)



1. In an extensible drill-press of the class described including an upright support, a drill table held upon said support, the upper portion of said support including a drill-chuck holder having a horizontally slidable drill-chuck frame, a vertical drill-shaft rotatably mounted in said drill-chuck frame, said shaft being provided with a drill clamp and a drill and being rotated by means of a belt-pulley secured thereto, and means for sliding said drill-chuck to facilitate adjustment of said drill with locations for holes to be drilled in work secured to said table; said slideable means comprising a pair of extensible rods, one end of said rods being secured to said drill-chuck, the other end of said rods being secured to a motor support member, said rods being slideably held within holes in said drill-chuck holder, and gear means included for sliding said bars or rods in said support, said gear means comprising a pair of gear racks held to said rods and being in mesh with a pair of spur gears held to a common shaft and being manually rotated by means of a handle, the motor support member having a motor including a pulley, said motor rotating said pulley upon said drill-shaft by means of a belt, said drill-chuck support being slideably held upon said upright support.

2,434,733
SEPARATING INGOTS FROM THEIR STOOLS
William Earle Black, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 28, 1944, Serial No. 528,375
5 Claims. (Cl. 22-95)



3. In apparatus for separating from a stool on which it is cast an ingot sticking thereto and which comprises a stripper having stripping tongs adapted to engage and lift the ingot and wing tongs extending below the stripping tongs, the combination with said stripping tongs and wing tongs of two pressure transmitting posts each separate from the stripper and from the other post and each having means whereby it may be picked up and carried by one of the wing tongs, the posts being adapted to be positioned on the stool at opposite sides of the ingot and to be engaged and pressed downwardly by the wing tongs to hold down the stool while the ingot is raised therefrom by the stripping tongs.

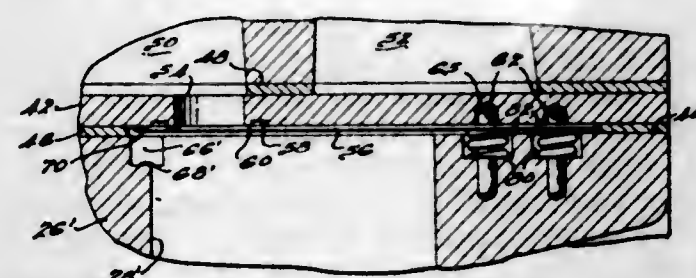
2,434,734

COMPRESSOR VALVE

Oskar H. Buschmann, Sidney, Ohio, assignor to Copeland Refrigeration Corporation, Sidney, Ohio, a corporation of Michigan

Application April 6, 1945, Serial No. 586,877

5 Claims. (Cl. 251-119)



5. In a compressor mechanism, a ported valve plate marginally clamped to a cooperating part and sealed thereto but separated therefrom by the interposition of a sealing gasket therebetween, a flat resilient reed valve arranged with its plane of thickness parallel to a face of said valve plate, said reed valve having a substantially unrestricted free end portion overlying the port in said valve plate and adapted to close said port by contact with said valve plate around the margins of said port, the opposite end portion of said reed valve being confined in the space

between said valve plate and said cooperating part, and spring means reacting between said part and said confined end portion only of said reed valve and firmly holding said end of said reed valve in flat contacting relationship with respect to said valve plate irrespective of the thickness of said gasket whereby the resilience of said reed valve will constantly act to urge said valve to closed position.

2,434,735

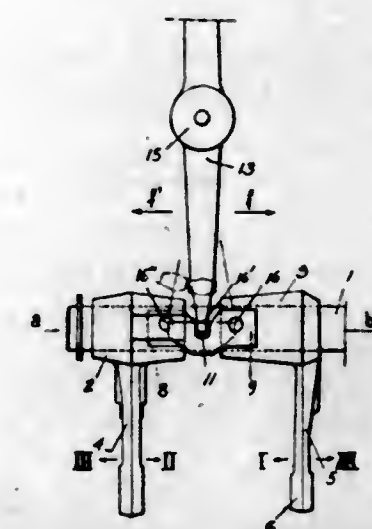
GEARBOX CONTROL DEVICE

Gaston Chausson, Asnieres, France, assignor to Societe Anonyme des Usines Chausson, Asnieres, France, a company of France

Application December 3, 1945, Serial No. 632,487

In France October 18, 1944

4 Claims. (Cl. 74-473)



1. A gear-box control device, comprising in combination a spindle, sliding gears, two arms controlling the sliding gears, said arms having hubs sliding on said spindle, a fork provided on said arms for driving the sliding gears, a small plate fixed on the side of each hub, a notch in said small plate, a bore passing through said spindle transversely, a sliding bolt in said bore having a length corresponding to the length of said bore plus the thickness of one of the small plates, a control lever having an articulation swivel-joint permitting it to be given orthogonal movements and an end fork with two branches with an interval between the latter having substantially the same length as the sliding bolt, the notches of both small plates and the bore of the spindle being aligned when the control lever is in neutral.

2,434,736

APPARATUS FOR SURFACING SHEET MATERIAL

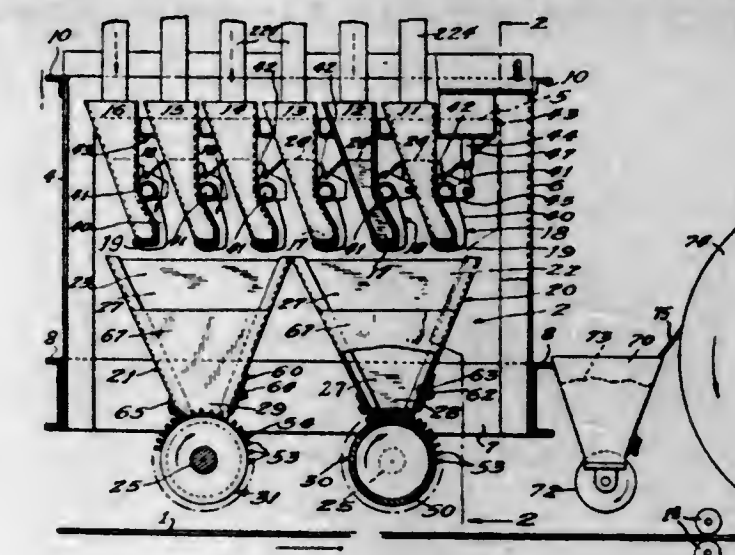
Eldon O. Dryer, Port Orchard, Wash., assignor to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland

Original application March 5, 1941, Serial No. 381,812. Divided and this application June 22, 1944, Serial No. 541,517

11 Claims. (Cl. 91-43)

1. Apparatus for surfacing a web which comprises means for moving an elongated web in the direction of its length, means providing a plurality of separate supplies of comminuted surfacing materials, control means for successively initiating flow of comminuted materials from respective supplies toward a face of said web at intervals predetermined in accordance with the movement of the web, and means constructed to operate in accordance with elapse of time independently of

said web movement to stop flow of said comminuted materials from respective supplies after



said flow has been established for a predetermined time period.

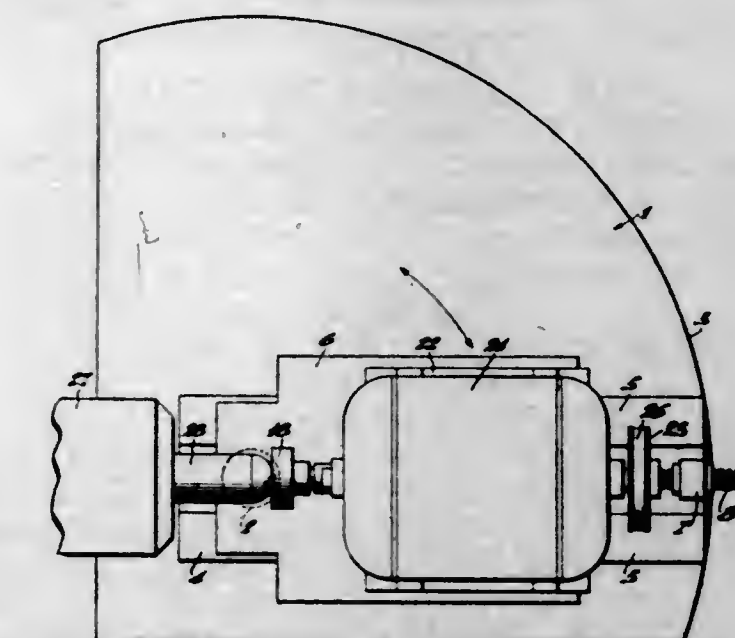
2,434,737

MACHINE FOR CLOSING TUBE ENDS

Winford L. Enghauser, Cincinnati, Ohio, assignor to The Production Plating Works, Inc., Lebanon, Ohio, a corporation of Ohio

Application September 28, 1943, Serial No. 504,137

4 Claims. (Cl. 78-89)



1. A machine for closing the ends of metallic tubing comprising driving means for supporting and rotating the tubing, a tool having a forming face disposed at a right angle to the axis of the tubing, driving means for supporting said tool with its axis of rotation in the same plane as that of the axis of the tubing and with the forming face of the tool at a right angle to the axis of rotation of the tool, a swinging support for the tool driving means, said support being pivotally mounted on an axis at right angles to the axis of the tubing and intersecting the same, and means for moving the support so as to swing the forming face around the end of the tubing in contact therewith for frictionally heating the metal of the tubing and forming the same into an end closure.

2,434,738

SOLE TRIMMING AND CUTTING MACHINE

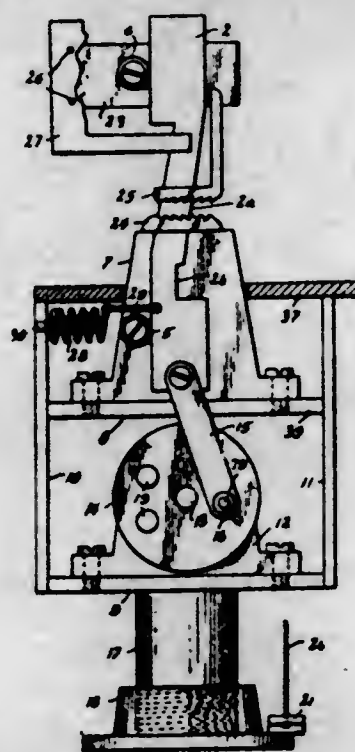
Charles L. Flindt, San Jose, Calif.

Application July 21, 1943, Serial No. 495,575

7 Claims. (Cl. 12-85)

1. The combination in a trimming machine, of a blade with a lateral edge mounted for trimming action, a support for the work having a guideway for the blade which also assists the blade in severing the excess overhang of a shoe sole when the

blade passes an edge of the said support adjoining the said guideway, means intermittently advancing the edge of the blade in the direction of

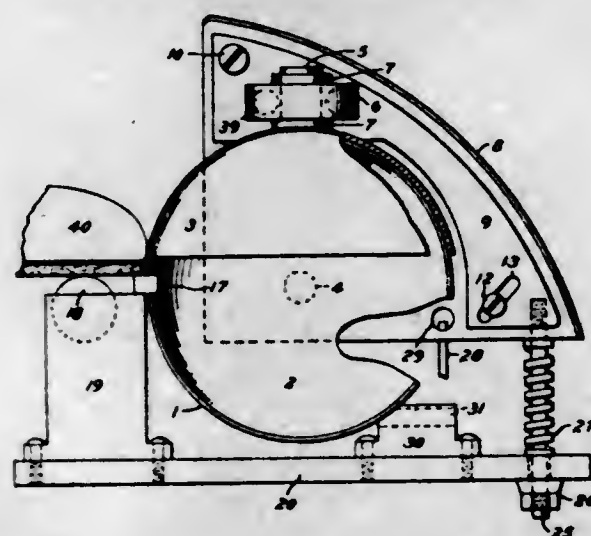


the cut being made, and means for preventing the said intermittent advance of the blade from pushing the work out of effective engagement with the blade.

2,434,739

SOLE TRIMMING MACHINE

Charles L. Flindt, San Jose, Calif.
Application March 1, 1944, Serial No. 524,543
8 Claims. (Cl. 12-85)



1. The combination in a sole trimming machine of, sole supporting and holding devices, a rotary concavo-convex circular blade, a member having an edge located adjacent and extending parallel of the outside of the cutting rim of the blade in cooperative relation therewith, means for rotating the blade past the said cooperating edge for severing the excess overhang of a shoe bottom, and a guide interposed between the blade and the shoe upper for guarding the upper from possible damage by the blade.

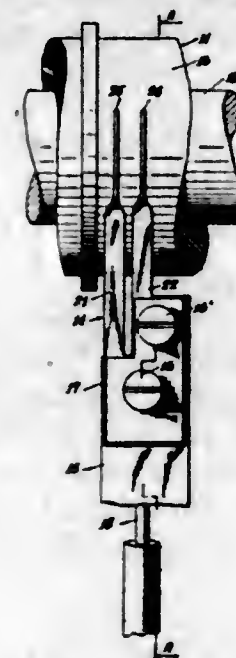
2,434,740

CONTACT DEVICE

Edward M. Glaser, Bellmore, and Girard S. Toombs, Rockville Centre, N. Y., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application February 17, 1944, Serial No. 522,722
1 Claim. (Cl. 171-322)

A contact brush of resilient sheet metal comprising a base portion adapted to be mounted on a support and two strips extending from said base portion and forming contact arms capable of

vibrating relatively to said base, the natural frequencies of vibration of the arms being dissimilar, an end portion of each arm being twisted at sub-

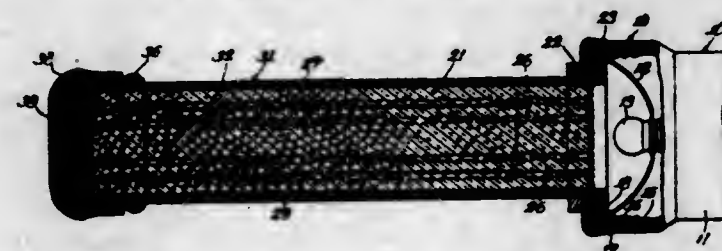


stantially right angles with regard to the remainder of the arm, the twisted portion forming contact portions.

2,434,741

TRAFFIC CONTROL LIGHT

George D. Hefner, Oak Park, and Albert C. Pramschlefer, Chicago, Ill.
Application October 18, 1945, Serial No. 623,104
8 Claims. (Cl. 177-329)



4. A traffic control light comprising a cylindrical casing, a light bulb mounted in said casing, a diaphanous member mounted on one end of said casing, said member having opposite peripheral sectors colored, certain of said sectors being of different colors a rotatable sleeve journaled on said member, there being substantially rectangular windows extending longitudinally and on the opposite sides thereof and means carried by said member and engageable with said sleeve for limiting the rotation of said sleeve with respect to said member.

2,434,742

ELECTRICAL CONNECTOR FOR COAXIAL CABLES

Elmer G. Hills, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 27, 1944, Serial No. 532,947
8 Claims. (Cl. 174-88)



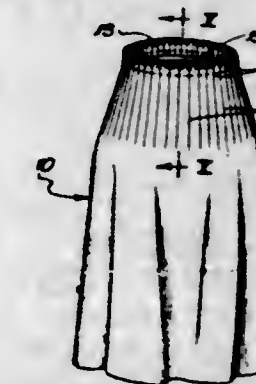
1. A connector for joining a plurality of coaxial cables each including inner and outer conductors separated by insulation comprising, an outer hollow conductive member, an inner conductive member in spaced relation to said outer member, insulation means supporting the inner member from the outer member to form a unitary structure, said structure being formed with a plurality of bores extending through both mem-

bers for said cables, each of said bores at said inner member being of a size to receive only the inner conductor of its associated cable and at said outer member to receive the inner conductor and at least a portion of its surrounding insulation.

2,434,743

WEARING APPAREL

Marie H. Middendorf, Burbank, Calif.
Application February 1, 1947, Serial No. 725,925
2 Claims. (Cl. 2-221)

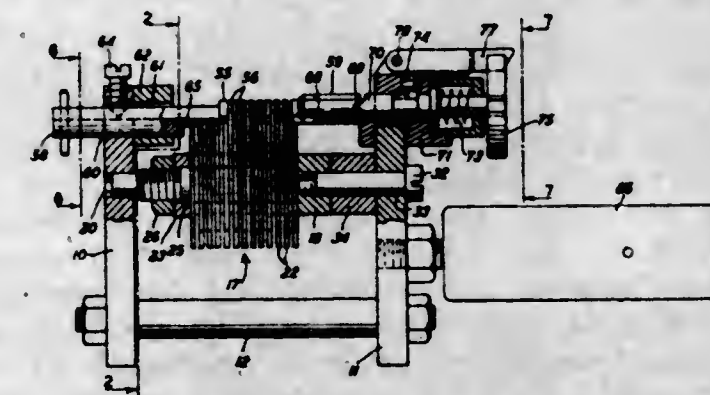


1. A skirt, including a tubular piece of material having a top and a bottom, longitudinal pleats circumferentially disposed about the top of said material, said pleats extending downwardly for a predetermined distance, a portion of the top of the material folded inwardly and forming a channel and an annular elastic band disposed in said channel, the folded portion, the band and the material opposed to said band forming a belt assembly, said belt assembly having elastic threads circumferentially stitched therethrough, forming an integral, continuous waistband.

2,434,744

ASSEMBLING APPARATUS

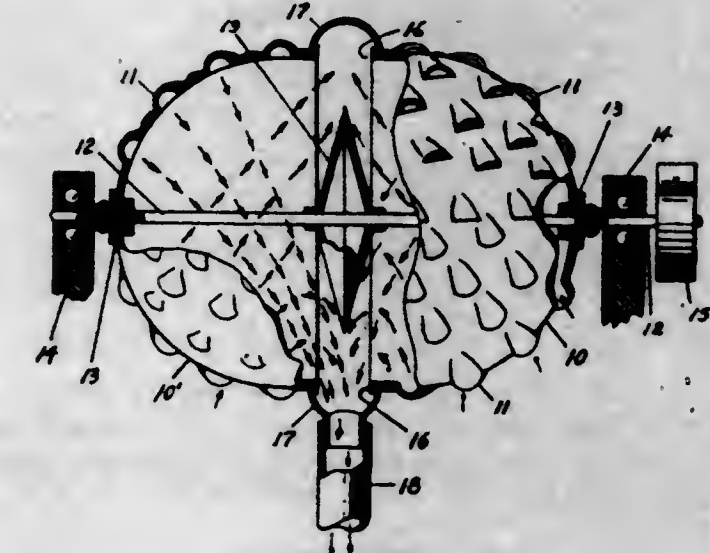
Earl C. Moss, Westfield, and Henry W. Schaufelberger, Union, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 22, 1944, Serial No. 541,528
5 Claims. (Cl. 113-99)



1. In an assembling apparatus, a unit including spacers, with aligned apertures therein, of given thicknesses spaced like distances apart to form locating pockets therebetween for receiving parts to be assembled, a rod extending through the apertures and pockets to support the parts in the pockets, a locating member having a fixed surface spaced from and disposed parallel with the rod to be engaged by like portions of the parts, a clamp movable into clamping engagement with other like portions of the parts to move them to cooperate with the rod and the surface of the locating member to position and firmly hold the parts in accurate alignment, and means to support an article in a given position relative to the parts for securing of the article thereto.

2,434,745
BLOWER

Bernard J. Paulson, Waukesha, Wis.
Application May 8, 1945, Serial No. 592,680
8 Claims. (Cl. 230-124)



1. A blower of the character described comprising a spherical blower fan provided with outwardly extending louvers embossed on its peripheral surface, an enclosure provided with openings therein, said enclosures encircling said fan at its central peripheral surface and adapted to receive the air scooped by said louvers, and means for revolving said blower fan within said enclosure.

2,434,746

PROCESS OF PREPARING ORGANIC SULPHONIC DERIVATIVES

John Ross, Dwight James Potter, and Seymour Yolles, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application December 20, 1939, Serial No. 310,214
9 Claims. (Cl. 204-162)

2. The process for the preparation of organic sulphonic derivatives which comprises causing a saturated aliphatic hydrocarbon to react with sulphuryl chloride by admixing sulphuryl chloride with said hydrocarbon in the presence of an inorganic agent which is capable of activating the formation of sulphonic derivatives of the saturated aliphatic hydrocarbon, said agent being selected from the group consisting of chlorine, sulphur dioxide, carbon monoxide, sulphur, thionyl chloride, selenium dioxide, tellurium, tellurium dioxide, selenium sulphide, selenium oxychloride, carbon bisulphide, hydrogen sulphide and carbonyl sulphide, and subjecting the reaction mixture to actinic light and to a temperature within the range of about 0° C. to 200° C.; and maintaining reaction conditions at least until a sulphonic derivative of the saturated aliphatic hydrocarbon has been formed.

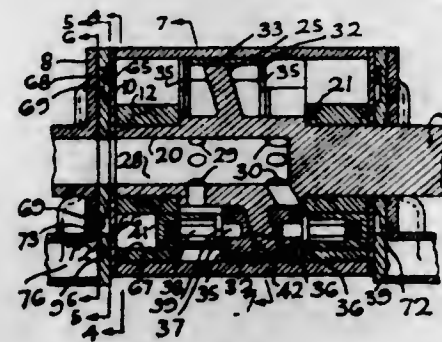
2,434,747

FLUID POWER UNIT

Zorro D. Ruben, Chicago, Ill.
Continuation of application Serial No. 479,289, March 15, 1943. This application March 26, 1945, Serial No. 584,784
28 Claims. (Cl. 103-173)

1. A pump having a rotatable cam inclined to its axis of rotation, a yoke straddling the cam and having a pair of ears on opposite sides of the cam, bearings between the ears and opposite sides of the cam, at least one of said ears having a projection extending therefrom in a direction parallel to the axis of rotation of the cam, a

casing within which the cam and the yoke are located, a cylinder block at one end of the casing, said block having a cylinder formed therein, a



piston in the cylinder, a connection between the piston and the ear of the yoke, said block having a guiding surface on which said projection bears and slides.

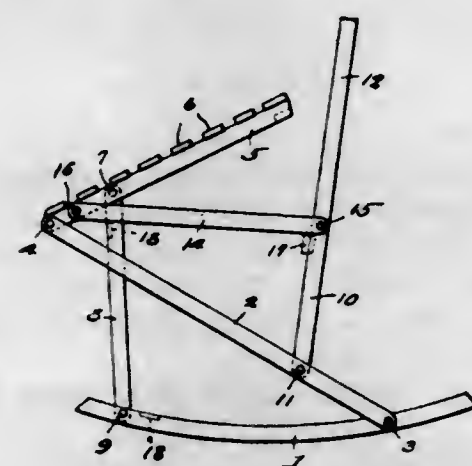
2,434,748

COLLAPSIBLE ROCKING CHAIR

Albert J. Taylor, Austin, Tex.

Application January 11, 1946, Serial No. 640,534

2 Claims. (Cl. 155-75)



1. A collapsible chair including base strips, front legs pivotally connected to the front portions of the base strips, upwardly and forwardly inclined braces pivotally connected to the rear portions of the base strips and extending across the front legs, rear legs pivotally connected to and extending upwardly from the braces, a seat frame pivotally connected at its forward end to the forward ends of the braces and at intermediate points to the front legs, outside rails pivotally connected at one end to the sides of the seat frame between the pivots of said frame and pivotally connected at their other ends to the rear legs, said seat frame being proportioned to swing into and out of position between the outside rails and the front of the rear legs, and means connecting the rear legs for supporting the seat frame when positioned against the back legs.

2,434,749

ABRASIVE TOOL

Ernest Douglas Teague, Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

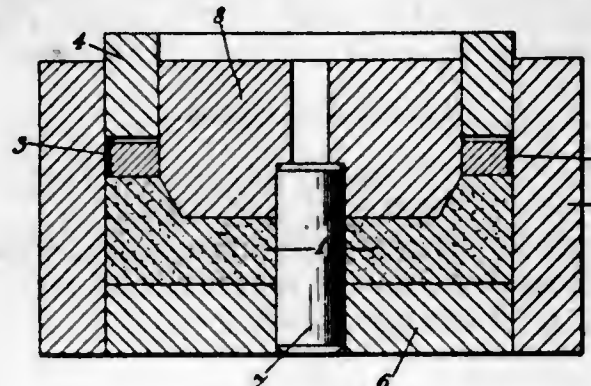
Application June 17, 1943, Serial No. 491,195

In Great Britain June 25, 1942

2 Claims. (Cl. 51-309)

1. The method of making an abrasive article which comprises supplying a thin layer of metal powder to a surface of a mold ring, filling the mold space contiguous to said metal powder with a mixture of abrasive grain and non-metallic

bond, and heat treating the assembly causing the metal powder to impregnate the adjacent portion



of the abrasive-bond composition and to form a hard surface thereon.

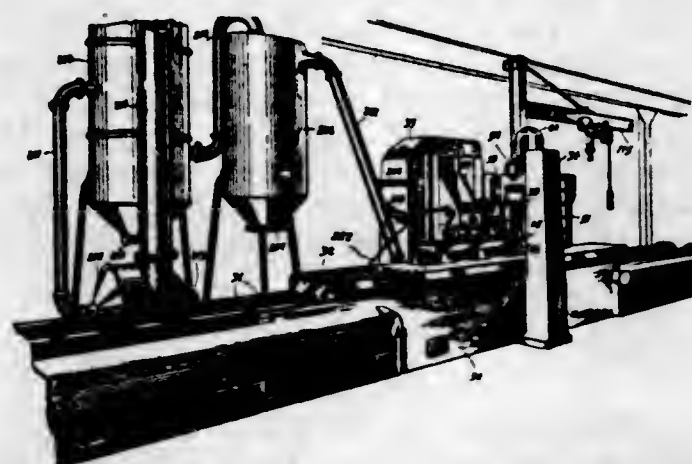
2,434,750

MACHINE TOOL

Theodore Trecker, Milwaukee, Joseph B. Armitage, Wauwatosa, and Orrin W. Barker, Kurt A. Riedel, and Francis Donald Boehmer, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application December 30, 1941, Serial No. 424,934

10 Claims. (Cl. 90-18)



1. A milling machine, comprising a work support, a plurality of cutter spindles cooperatively associated with said work support, transmission mechanism arranged to effect relative movement between said work support and said cutter spindles selectively at feed rate or at rapid traverse rate, an electric motor operatively connected to drive said transmission mechanism, electric motors operatively connected to drive different of said cutter spindles, power driven means disposed to remove chips resulting from operation of said milling machine, an electric motor operatively connected to drive said chip removing means, a control system for coordinating the operation of said motors, said control system including an interlock arranged to prevent operation of said feeding motor for effecting relative movement at feed rate unless said spindle motors and said chip removing motor are operating, a switch arranged to effect energization of said feeding motor when said transmission mechanism is adjusted to effect relative movement at rapid traverse rate regardless of whether or not said spindle and chip removing motors are operating, an interlock arranged to stop said feeding motor instantaneously upon the sudden occurrence of an overload condition in any one of said spindle motors, an interlock arranged to stop said feeding motor and all of said spindle motors upon the occurrence of a continuing overload in any one of said feeding or spindle motors, and an interlock arranged to stop said feeding motor and said chip removing motor upon the occurrence of an overload in said chip removing motor.

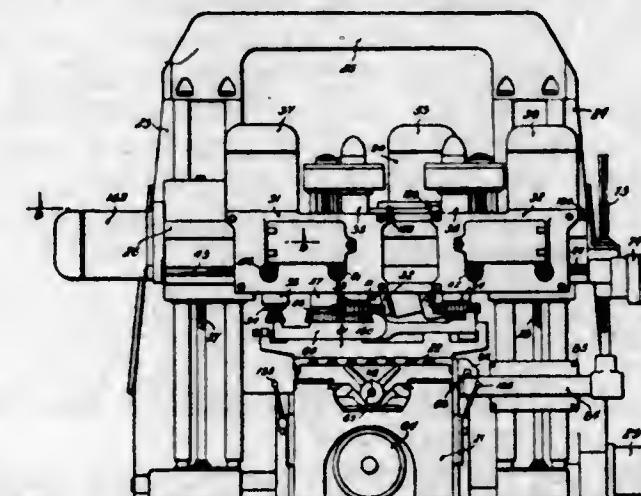
2,434,751

MACHINE TOOL

Theodore Trecker, Milwaukee, and Joseph B. Armitage, Wauwatosa, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application December 26, 1942, Serial No. 470,130

7 Claims. (Cl. 90-15)



1. In a milling machine of the rail type, a bed, a work supporting table movably mounted on said bed, uprights carried by said bed at the respective sides of said work supporting table, a rail slidably mounted on said uprights for adjustment vertically relative to said table, a spindle quill slidably mounted in said rail for adjustment vertically relative thereto, a tool carrying spindle rotatably mounted in said quill, a plurality of spindle heads slidably mounted on said rail for horizontal movement therealong, a tool carrying spindle rotatably mounted in each of said spindle heads, power operated means arranged to effect feeding movement of said work supporting table, means operatively connected to cause movement of one of said spindle heads along said rail as a result of feeding movement of said table, and limit control means associated with said power actuated head and operative to stop feeding movement of said work supporting table upon said power actuated head approaching another of said spindle heads on said rail to within a predetermined minimum distance.

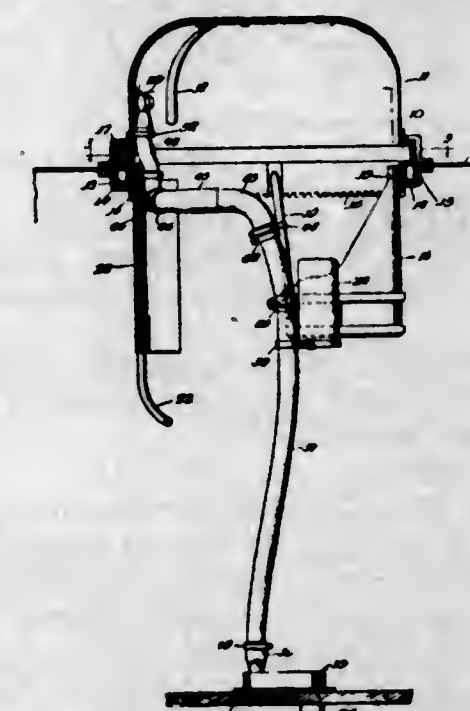
2,434,752

AIR DUCT SYSTEM FOR AIRCRAFT

Donald D. Waller, Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware

Application March 10, 1945, Serial No. 582,076

6 Claims. (Cl. 98-1)



1. Means for supplying air to a rotatable gun turret in aircraft comprising: a non-rotatably

supported annular casing provided with an open top and having an air supply connected thereto; an annular plate rotatably supported in the annular casing and forming a closure for the open top of the casing; a tubular member eccentrically secured on the plate and communicatively connected to receive air from the casing in different rotative positions; and means for conducting air to the turret including a flexible pipe supported for rotation with the turret and communicatively connected to said tubular member and adapted to rotate the tubular member and ring.

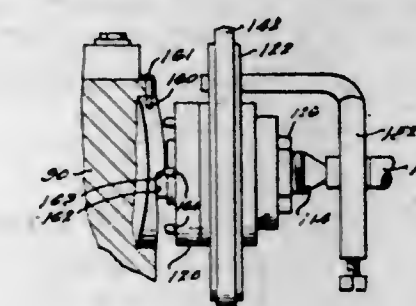
2,434,753

RELIEVING THE TEETH OF CIRCULAR CUTTING ELEMENTS

Rudolf W. Andreasson, Franklin, Mich.

Application July 11, 1945, Serial No. 604,405

1 Claim. (Cl. 51-232)



In a machine of the class described wherein a pair of center members are mounted for reciprocation in parallel but spaced paths at an acute angle with respect to the line of contact between a piece of work supported between them and a metal removing element, each center member is provided with a center point pivotally secured thereto for movement about a vertical axis and said center points are arranged with their axes aligned with each other and the piece of work supported between them, yieldable means constantly urges one center member in the direction of the other thereof, and a driving member is rotatably mounted on the center point of the remaining center member, the combination of the said remaining center member and a fixed smooth disc with respect to which the said remaining center member is axially slidable, and a plurality of axially disposed projecting pins of equal length fixed with respect to that face of the said driving member opposed to the said fixed smooth disc and arranged generally in a circle about the axis of rotation of the said driving member, engagement between the said projecting pins and said fixed smooth disc serving to effect reciprocation of the said center members and work supported therebetween against the opposition of the said yieldable means in one direction and controlling the reciprocation of the said center members and the said work supported therebetween in the opposite direction under the force of the said yieldable means.

2,434,754

EAVES TROUGH ATTACHING MECHANISM

Glenn C. Bassett, Brighton, N. Y.

Application July 15, 1946, Serial No. 683,727

8 Claims. (Cl. 248-48.2)

1. Eaves trough attaching mechanism including a supporting rail having retaining means thereon, a multiplicity of hangers detachably mounted on the rail and each including a body portion engaging said retaining means and having an outer end engaging the outer edge of a gutter, and a locking member pivoted to said body portion and having at one end a locking element

engaging said retaining means and at its other end a flange engaging the inner edge of the gut-



ter which actuates the locking member to locking position and retains it engaged with the supporting rail.

2,434,755

PARACHUTE RELEASE

Frank S. Boyd, Alameda, Calif.

Application January 19, 1946, Serial No. 642,275

5 Claims. (Cl. 294-83)



1. A parachute release comprising a socket attachable to a parachute, a stud engaging the socket, latch means releasably securing the stud to the socket, a collar movable upon the stud for actuating the latch means to release the stud from the socket, and means for attaching a load to the stud.

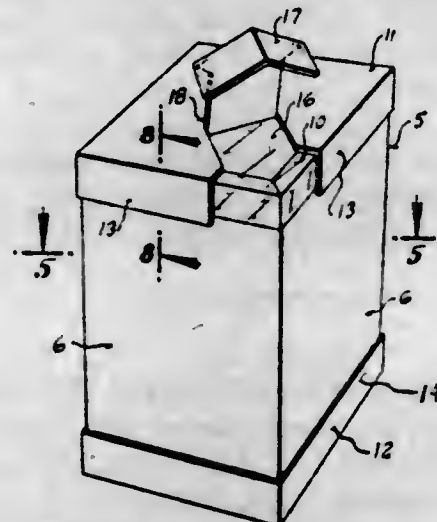
2,434,756

HERMETICALLY SEALED CONTAINER AND METHOD OF MAKING THE SAME

Lewis C. Brooks, Madison, Wis., assignor of one-third to Ira Milton Jones, Mequon, Wis.

Application October 23, 1942, Serial No. 463,099

3 Claims. (Cl. 229-14)



1. In a hermetically sealed fiber container of the character described: a flat sided body having sharply defined angular corners; a closure supporting ledge on one end of the body, said ledge comprising a plurality of adjacent strips extending horizontally along said end of the body side walls, said strips being an integral part of the

body side walls and being folded on each other so as to dispose at least one of the strips substantially perpendicular to the side walls to define the ledge proper while another strip lies flat against the side walls; a lining of thin sheet material impervious to the product for which the container is intended covering all inner surfaces of the body and all surfaces of said strips, both inner and outer, and being unbroken at the corners of the ledge formed by the strips so as to protect all parts of the body against contact with the contents, and an end closure supported on the ledge including a lining of thin sheet material impervious to the product for which the container is intended, adhered to the ledge and covering all inner surfaces of the closure.

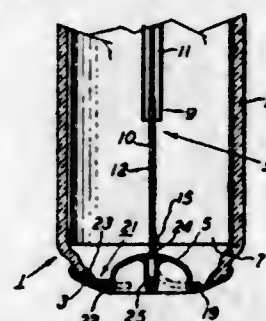
2,434,757

DOUBLE-ENDED ELECTRIC INCANDESCENT LAMP

Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application February 28, 1947, Serial No. 731,506

6 Claims. (Cl. 176-29)



1. An electric lamp comprising an envelope including a tubular glass bulb provided with light-modifying means extending substantially the full length thereof and around a portion of its circular extent and having end caps sealed to and enclosing its opposite ends, each of said end caps having a boss projecting inwardly of the envelope, a mount within said envelope comprising an elongated filament extending longitudinally of the envelope and a filament-supporting elongated stay member extending longitudinally of the envelope adjacent the wall thereof and compressed between the said end caps, said stay member having end conductors electrically connected to the opposite ends of said filament and each provided with a loop portion encircling the boss on the respectively adjacent end cap, and means on said stay member engaging said envelope to lock the said mount in a predetermined rotative position within said envelope with the stay member thereof disposed within the confines of the said light-modifying means so as to be shielded thereby.

2,434,758

DRIER CONTROL

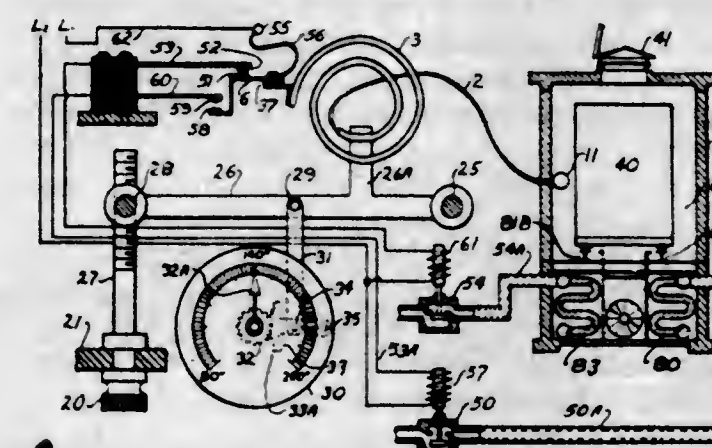
James Forrest Cobb, Portland, Oreg., assignor to The Moore Dry Kiln Company of Oregon, a corporation

Original application May 8, 1937, Serial No. 141,504. Divided and this application February 25, 1942, Serial No. 432,220

4 Claims. (Cl. 236-1)

4. In a temperature control system for a chamber, low pressure heating means in said chamber, a control device therefor, high pressure heating means therein, a control device therefor, independent control means for operating said devices, a thermostat comprising a mounting, a bulb sensitive to the temperature of said chamber, a coil connected by tubing to said bulb, an actuator made rigid with said coil, a pivot attached to said

mounting, an arm hinged on said pivot, said coil being mounted on said arm, a temperature gauge having a pointer operatively mounted to indicate the temperature to be controlled at said bulb in said chamber, said pointer being operatively connected to said arm, a threaded adjustment means shouldered on said mounting and operatively con-



nected to said arm for moving said actuator in relation to said control means, and said pointer of said gauge, said actuator in relation to said control means, and said pointer of said gauge, said actuator being spaced farther from one control means than from the other, whereby two different devices under control of said control means may be operated at different temperatures.

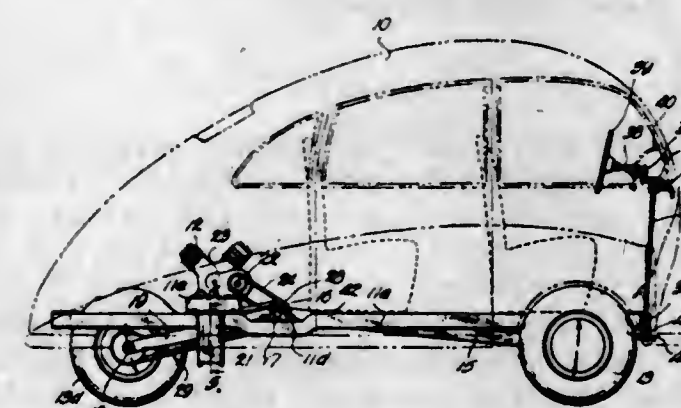
2,434,759

TRICYCLE VEHICLE

Karl Donovan, Wichita, Kans.

Application August 31, 1945, Serial No. 613,878

1 Claim. (Cl. 280-124)



In a frame and wheel assembly for a tricycle vehicle the combination with a main frame having lateral longitudinal members and front, medial and rear transverse members, a pair of supplemental frames, one in front and the other behind the medial transverse member, and both pivoted thereon, a pair of front wheels mounted upon an axle forming an integral part of the front supplemental frame, a single rear wheel mounted on an axle forming an integral part of the rear supplemental frame, cushioning means interposed between the main frame and supplemental frames.

2,434,760

CONVEYOR

Smith Eggleston, St. Paul, Minn., assignor to Standard Conveyor Company, North St. Paul, Minn., a corporation of Minnesota

Application February 12, 1945, Serial No. 577,369

9 Claims. (Cl. 198-117)

1. A conveyor comprising, mechanism for conveying loads along a determined path, a base, rigid elongated members pivotally connected at

their lower ends to said base for oscillating movement independently of each other in substantially vertical planes, means connecting the upper end portions of said members respectively in supporting relation to opposite end portions of said mech-



anism, a rigid support projecting up from the base adjacent to each of said members intermediate its ends and means for securing said members to said supports respectively in various angular positions with respect to said base.

2,434,761

ASSEMBLY FOR BRAKES OR CLUTCHES
Thomas L. Fawick, Akron, Ohio, assignor to The Fawick Airflex Company, Inc., a corporation of Indiana

Application December 9, 1944, Serial No. 567,483

7 Claims. (Cl. 188-152)



1. The combination of two relatively rotatable and approximately coaxial structures adapted for frictional, torque-sustaining engagement with each other, one of the same comprising a fluid-distensible member for effecting the engagement and having a thick distending wall comprising rubber-like material, a pair of side-plate members defining a channel in which said distensible member is seated, and a pin having its end portions fixedly mounted in said side-plate members respectively and extending through a hole traversing the aforesaid wall, said hole being, unobstructedly, of greater radial dimension than said pin to permit radial distending movement of said wall.

2,434,762

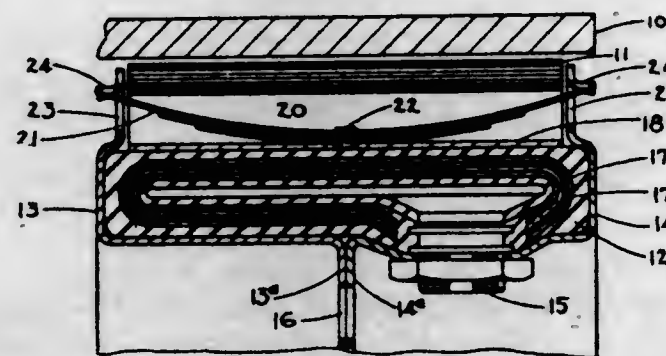
ASSEMBLY FOR BRAKES AND CLUTCHES
Thomas L. Fawick, Akron, Ohio, assignor to The Fawick Airflex Company, Inc., a corporation of Indiana

Application September 22, 1945, Serial No. 618,019

8 Claims. (Cl. 188-152)

1. An assembly comprising two relatively rotatable structures, one of the same having an annu-

lar frictional-engagement surface, and the other comprising a circumferentially arranged set of wear shoes adapted to coact with said surface, a fluid-distensible member for moving them into engagement with said surface, a rigid, channel shaped support for the fluid-distensible member, and, interposed between said support and the wear shoes, springs for retracting them from said surface and bars for sustaining the torque, each



bar bridging the channel of said support and being interposed between the adjacent ends of two of the shoes and having a middle portion of circular cross-section for torque-sustaining engagement with one of the shoes and each shoe being formed with a torque-sustaining surface permitting it to be moved radially with relation to the bar and with a stop surface engaging the bar for limiting the retracting movement of the shoe.

2,434,763

HEAT INSULATOR FOR HEATING GRILLES

Archie S. Feinberg, Dallas, Tex.

Application February 12, 1945, Serial No. 577,477
3 Claims. (Cl. 98—101)



1. As a new article of manufacture, a floor furnace comprising a register grating, a plate of high heat conducting material, coil springs for suspending said plate from said grating, said plate having holes therein corresponding to those of said grating, each embraced by flanges extending into the holes of said grating well below the top of the latter but out of contiguous engagement with the metal of said grating whereby to minimize temperature influence of heated air on said grating.

2,434,764

CALCIUM CADMIUM MOLYBDATE PHOSPHOR

Herman C. Froelich, Cleveland, and Ann B. Hersey, Shaker Heights, Ohio, assignors to General Electric Company, a corporation of New York
No Drawing. Application August 30, 1943,
Serial No. 500,562

1 Claim. (Cl. 252—301.6)

A fluorescent material consisting of calcium cadmium molybdate in molar proportions of cadmium to calcium of approximately 1:5 and containing an activator from the group consisting of lead in an amount of about .1-20 per cent by weight calculated as lead molybdate and samarium in an amount of about .1 per cent to about one per cent by weight calculated as samarium molybdate and mixtures thereof.

2,434,765

1-AMINO-2-HYDROXYALKYLTHIO-4-ARYLAMINO-ANTHRAQUINONES

Paul Grossmann, Binningen, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss firm

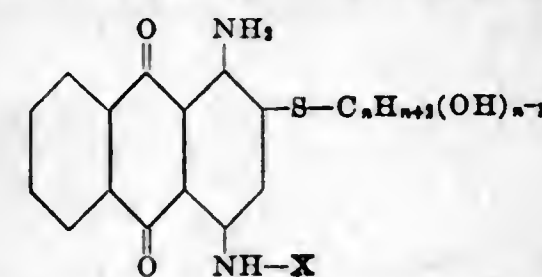
No Drawing. Application March 8, 1945, Serial No. 581,717. In Switzerland January 13, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires January 13, 1964

6 Claims. (Cl. 260—378)

1. An aminoanthraquinone of the formula



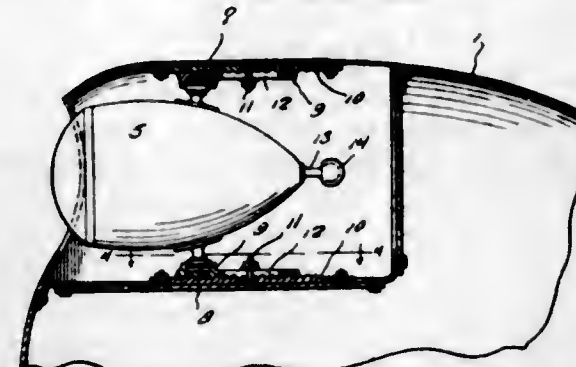
wherein n stands for one of the integers 2 and 3, and X stands for a member selected from the group consisting of phenyl, para-aminophenyl and para-hydroxyphenyl.

2,434,766

DIRIGIBLE HEADLIGHT STRUCTURE

Kurb A. Herrington, Chicago, Ill.

Application February 16, 1945, Serial No. 578,152
1 Claim. (Cl. 240—62.52)



A dirigible headlight for motor vehicles comprising a housing structure under the forward portion of each front fender of the vehicle, stationary toothed plates secured in the top and bottom of the housing, seat members having toothed surfaces secured against the toothed plates for longitudinal adjustment in the housing, a headlight element mounted at its top and bottom portions on said seat members for horizontal swinging movement, and means operatively connecting the headlight elements to the steering mechanism of the vehicle.

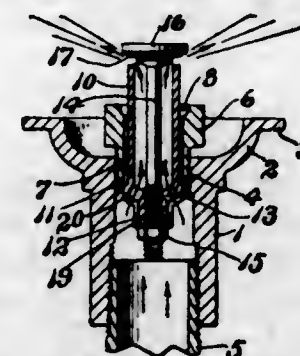
2,434,767

SPRINKLER NOZZLE

Nicholas Hertel, Grand Rapids, Mich.; Joseph W. Hertel, administrator of said Nicholas Hertel, deceased, assignor, by mesne assignments, to George W. Hertel, Grand Rapids, Mich.

Application February 16, 1946, Serial No. 648,114

1 Claim. (Cl. 299—61)



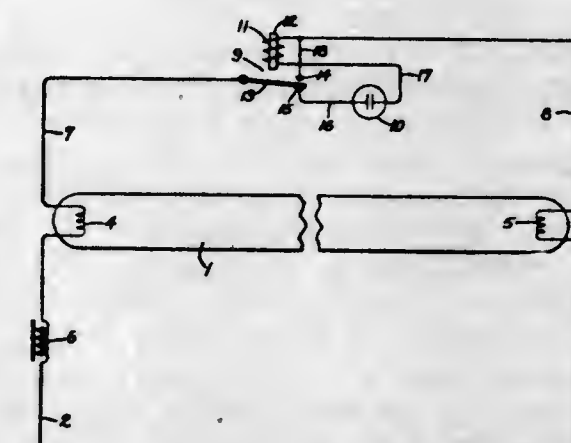
In a construction as described, a support having a vertical passage therethrough adapted to

have water under pressure delivered into the lower portion of said passage, a head having a vertical passage therethrough detachably connected to said support at the upper end of its vertical passage, a sleeve longer than said head extending through the vertical passage in said head and movable vertically therein, said sleeve being open at its upper end and having a closed lower end with openings therethrough and provided with an outwardly extending ledge adapted to come against the lower end of said head to limit the upward movement of said sleeve, a rod extending centrally of said sleeve and threaded at its lower portion, said sleeve having a short sleeve portion of reduced diameter extending downwardly from its lower end interiorly threaded for engagement with the threaded portion of said rod, a head at the upper end of said rod above the upper end of the sleeve having outwardly extending annular surfaces against which water under pressure may be forced to radially disseminate the water, a nut threaded onto the lower end of said rod to come against the lower end of said short sleeve, and a collar around said short sleeve above the nut having spaced fingers extending from said collar, one for each of the openings in the lower end of the sleeve, said collar and fingers being movable about a vertical axis to open or partially close said openings, as specified.

2,434,768

CONTROL SWITCH FOR DISCHARGE LAMPS
Wilber M. Johnson, Cleveland Heights, Ohio, and Leonard W. Cook, Stratford, Conn., assignors to General Electric Company, a corporation of New York

Application September 17, 1945, Serial No. 616,906
3 Claims. (Cl. 315—101)



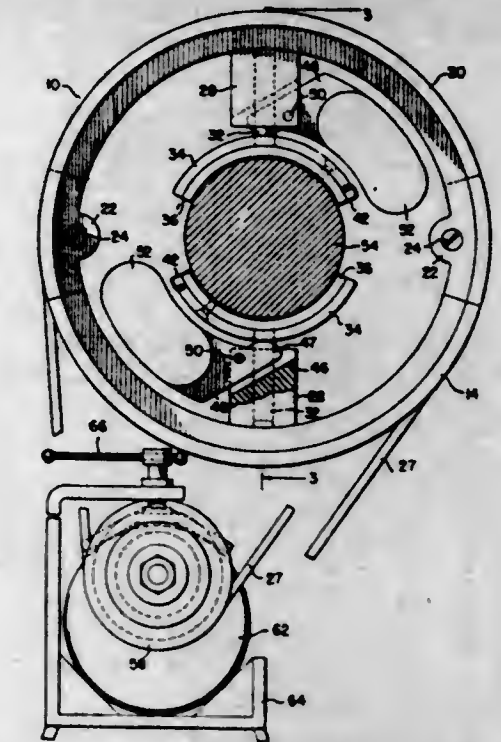
1. A starter for use in an operating circuit for a discharge lamp including a ballast and a source of power and adapted to be connected between the lamp electrodes comprising, in combination, a relay having a magnetic coil, a movable contact member operated thereby and spaced contacts one of which is normally in engagement with the movable contact member, a glow discharge device electrically connected in series with said one contact and said magnetic coil and a connection from said other contact by-passing the magnetic coil, said glow discharge device being operative upon application of power to cause said magnetic coil to be energized to move said contact member into engagement with said other contact to by-pass said coil whereby current flows through the ballast and electrodes, said movable contact member having an appreciable time interval transitional movement to its normal position for opening the circuit through both of said contacts and for effecting the application of a high voltage from the ballast to the lamp electrodes.

2,434,769

UNIVERSAL CRANKSHAFT BEARING HONE

William E. Jones, Champaign, Ill.

Application March 21, 1946, Serial No. 656,003
1 Claim. (Cl. 51—191)



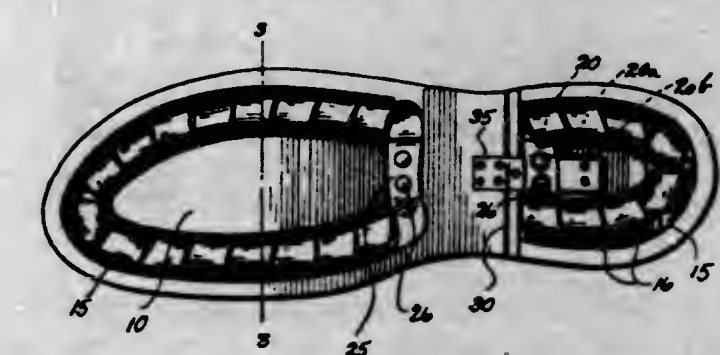
A device of the character described, comprising a ring, diametrically oppositely positioned blocks secured to said ring on the inner periphery thereof and blocks having longitudinal guide apertures and mounting slots therein, guide pins slidably mounted in the guide apertures in said blocks, shells which are segments of cylinders secured to one end of each of said guide pins, concavo-convex bushings secured to the inner peripheries of said shells, honing members secured at one end to each of said shells and extending over the concave surface of said bushings, weighted arms pivotally mounted in said mounting slots in said blocks and arranged so that one end thereof presses each of said shells inwardly when the pivoted arms are actuated by the centrifugal forces caused by rotation of said ring and parts assembled therewith.

2,434,770

SHOE SOLE

William J. Lutey, Seattle, Wash.

Application September 26, 1945, Serial No. 618,639
5 Claims. (Cl. 36—28)



1. A shoe sole of the character described, and a strip of resilient, anti-slip material wound in open, helical form and affixed to the sole parallel with the bottom surface thereof as a wear receiving element.

2,434,771

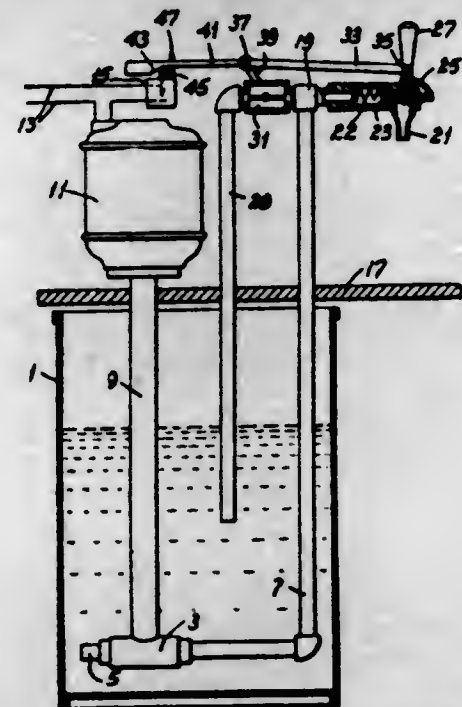
LIQUID DISPENSER

Carl H. Mueller, Ferguson, and Victor G. Klein, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri

Application March 2, 1946, Serial No. 651,596
8 Claims. (Cl. 103—25)

1. Liquid dispensing apparatus comprising a supply connection leading from a liquid supply,

forcing means adapted to be started and stopped for moving liquid from said supply into said supply connection, outlet and return connections branched from said supply connection, an outlet valve in the outlet connection and a return valve in the return connection, common control means

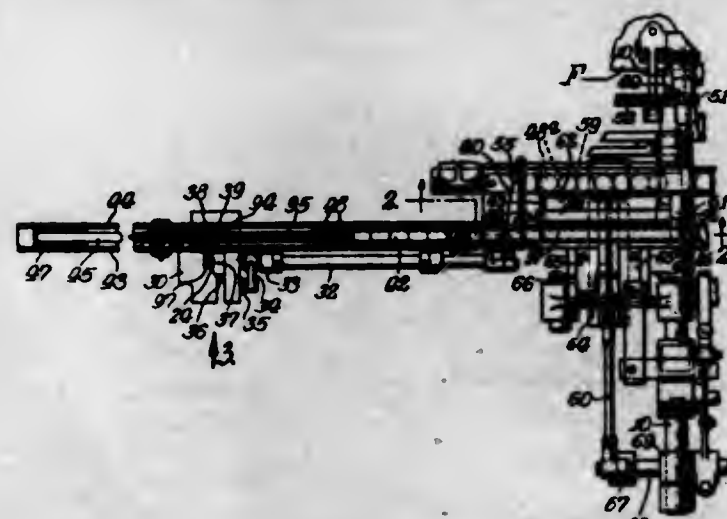


for said valves and for starting and stopping said forcing means adapted to close the outlet valve and open the return valve when the forcing means is stopped, and to open the outlet valve and close the return valve when the forcing means is started.

2,434,772

ARTICLE FEEDING MECHANISM FOR WRAPPING MACHINES

Oscar Sandberg, Defiance, Ohio, assignor to Lynch Package Machinery Corporation, Toledo, Ohio, a corporation of Ohio
Application July 27, 1942, Serial No. 452,444
4 Claims. (Cl. 198-24)



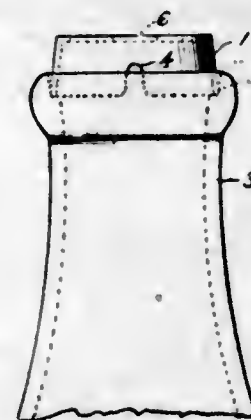
1. In an article feeding mechanism, a feed conveyor adapted to receive a row of articles, said feed conveyor including a conveyor belt on which the articles are deposited, a pusher member for pushing a predetermined number of the articles from said feed conveyor, and means for operating said pusher member only when there is greater than said predetermined number of articles on said feed conveyor, said means including a trip lever projecting laterally into the feed conveyor and adapted to be engaged by the row of articles therein, said trip lever being loaded in opposition to the direction of advance of the articles, a shoulder against which said trip lever normally engages, the friction of said feed conveyor belt against said row of articles thereon being sufficient to overcome the loading of said trip lever and disengage it from said shoulder when there are more than said predetermined number of

articles in the feed conveyor, said trip lever being movable laterally from a position in front of the articles in said feed conveyor when so disengaged from said shoulder, control clutch mechanism for the operation of said pusher member, said control clutch mechanism being operable by said trip lever when it is so disengaged from said shoulder and moved laterally to clutch engaging position wherein the articles are free to be carried by said feed conveyor to said pusher member, and power means for effecting such lateral movement of said trip lever comprising a cyclically movable member for engaging said trip lever to move it laterally when said trip lever is disengaged from said shoulder.

2,434,773

CAP FOR CONTAINERS

Noel S. Soddors, Cleveland, Ohio
Application April 12, 1945, Serial No. 587,878
1 Claim. (Cl. 215-79)



An improved container cap for a bottle provided with a mouth having an internal seat, comprising a cap with an upwardly converging circumferential wall of resilient material, an integrally formed top wall therewith, the upwardly converging circumferential wall having an inverted U-shaped vent notch formed therein extending from the bottom of the upwardly converging circumferential wall and stopping short of the height thereof and also adapted to permit the aforementioned upwardly converging circumferential wall to be drawn together to contract it, whilst permitting it to expand in the seat in the mouth of the bottle in which it may be removably mounted to frictionally hold it in position therein, the top wall having a narrow elongated pouring orifice therein opposite to the upright U-shaped vent notch and slightly inward from the periphery of the upwardly converging circumferential wall.

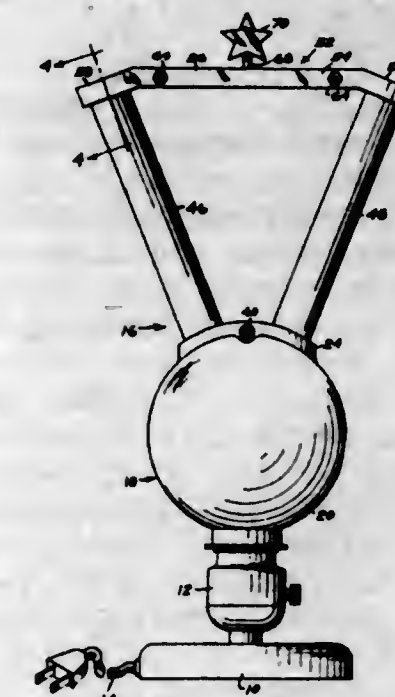
2,434,774

VICTORY LIGHT

John J. Sigman, Cicero, Ill.
Application September 26, 1945, Serial No. 618,685
1 Claim. (Cl. 240-10)

In a lamp, a base, a socket secured thereto and adapted to receive a light, a pair of identical hollow substantially hemispherical mating members, a pair of upstanding shoulders formed on said hemispherical members, a pair of spaced semi-circular recesses extending through each of said members and said shoulders, the pair of recesses of one member facing the other pair of recesses to form a pair of spaced openings, the axes of said openings diverging from each other and lying in the same plane, a split annular rib formed within each of said openings, a pair of tubular sleeves having annular grooves at each end thereof, one end of each of said tubular sleeves having the grooves thereof engaged by

said annular ribs, means extending through said upstanding shoulders for locking said hemispherical members whereby said hemispherical members and said tubular sleeves are formed into a rigid substantially V-shaped structure, a pair of mating supporting pieces having an intermediate portion and end portions extending at an angle therefrom, said angular portions having semi-circular recesses provided with an-



nular ribs, said intermediate portions having a series of spaced semi-circular apertures, and means extending through said intermediate portions for securing said supporting pieces together as a unitary top bar, the other ends of said tubular sleeves having the annular grooves thereof engaged by the ribs of said last mentioned annular ribs, said semi-circular apertures forming spaced openings adapted to support a varying number of display standards.

2,434,775

PROCESS FOR MAKING FOAMLIKE MASS OF METAL

Benjamin Sosnick, San Francisco, Calif.
No Drawing. Application May 8, 1943,
Serial No. 486,209
7 Claims. (Cl. 75-20)

5. The process of making a solidified foamlike mass of metal containing substantially throughout its body closely adjacent completely enclosed non-communicating spaces that comprises melting the metal below its boiling point at atmospheric pressure out of contact with the atmosphere in the presence of another metal relatively volatile with respect to the treated metal at a temperature above the boiling point of the latter at atmospheric pressure, and under pressure sufficient to substantially raise the boiling point of the said relatively volatile metal, thereafter releasing into a lower pressure space the molten metal to form a foam-like mass of metal, and thereafter cooling said mass to produce the solidified metallic mass containing the enclosed spaces.

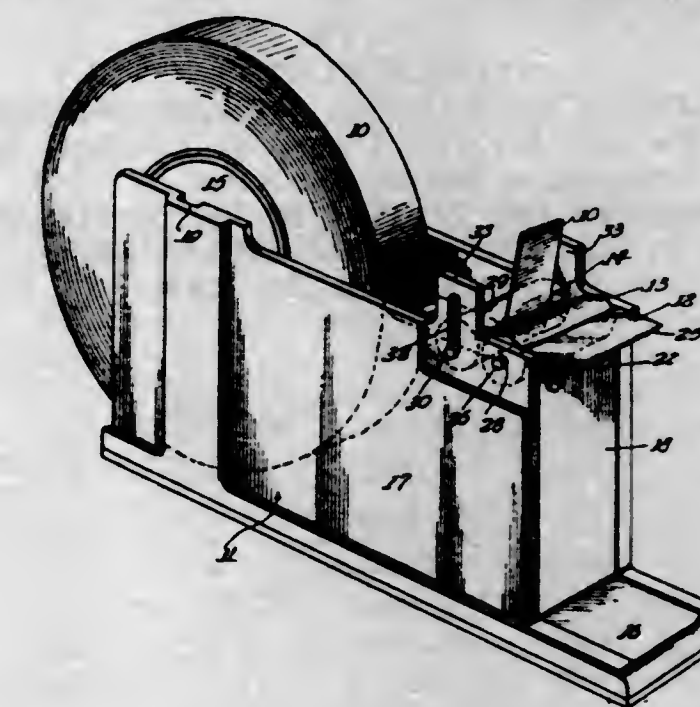
2,434,776

TAPE DISPENSER

Paul Van Cleef and Frank Chonacki, Chicago, Ill., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application January 30, 1946, Serial No. 644,279
11 Claims. (Cl. 164-34.5)

1. A device adapted for use in dispensing a roll of tape of the type that has a coating of permanently tacky pressure sensitive adhesive, and

comprising means for rotatably supporting the roll, a tape cutting instrumentality positioned in alignment and spaced relation with the roll, a guide roller disposed behind the cutting instrumentality and adapted when a length of tape is pulled from the roll preparatory to severing it by said cutting instrumentality to have the length travel over it with the adhesive coating in contact

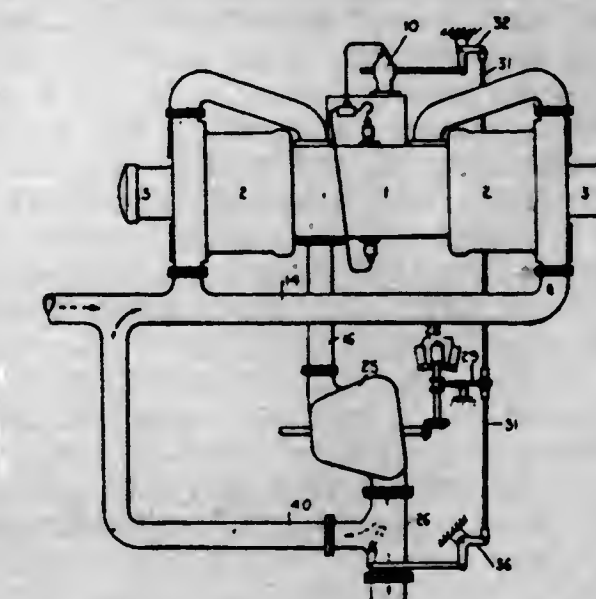


therewith, and means arranged to coact with the roller and operative automatically after severance of the pulled length by the cutting instrumentality to swing the portion of the tape between the cutting instrumentality and the roller away from said instrumentality into a position wherein it may be readily gripped in connection with the next following tape severing operation.

2,434,777

POWER PLANT COMPRISING A GAS TURBINE AND AN INTERNAL-COMBUSTION ENGINE COMPRESSOR SERVING AS A GAS GENERATOR THERETO

Robert James Welsh, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company
Application December 3, 1943, Serial No. 512,836
In Great Britain September 30, 1942
1 Claim. (Cl. 60-13)



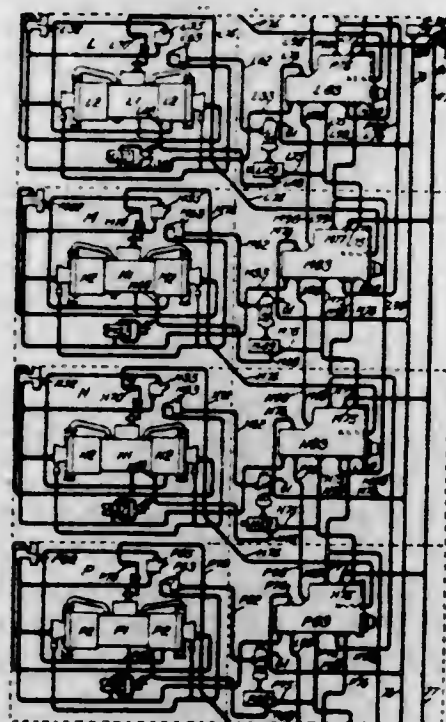
A power plant comprising, in combination, a gas turbine, a free-piston type compression-ignition internal combustion engine driven compressor, a conduit connecting the exhaust gas and charging air outlet of the engine to the turbine inlet, a speed governor actuated by the turbine, a fuel supply regulator for the engine, a branched exhaust pipe from the turbine, one branch of this pipe leading into the compressor

inlet, a diverter valve controlling said branch and means operatively connecting together said governor, said fuel regulator and said diverter valve in a sense to decrease the fuel supply on an increase in turbine speed and to divert turbine exhaust gas into the compressor at low values of fuel supply.

2,434,778

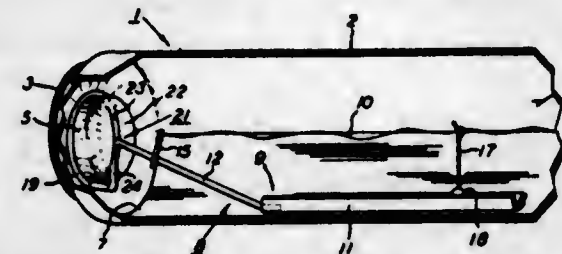
POWER PLANT

Robert James Welsh, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company
Application July 24, 1944, Serial No. 546,360
In Great Britain October 28, 1942
7 Claims. (Cl. 230—56)



1. Power plant comprising a plurality of internal-combustion compressors, compressed-air starting means for each, fuel cut-off means for each, said means being each responsive to a fluid-pressure signalling impulse, and a fluid-pressure-responsive start-and-stop control device for each, in combination with a starting signalling impulse pipe, a stopping signalling impulse pipe, signalling impulse transmitter means applying fluid pressure temporarily and selectively to each of these signalling impulse pipes, a pipe connection to the said fuel cut-off means for each internal-combustion compressor from said stopping signalling impulse pipe through said control device for that compressor, a connection to the said starting means for each said internal-combustion compressor from said starting signalling impulse pipe also through said control device for that compressor, a valve in each said start-and-stop control device having a first position blocking said connection to the starting means and a second position blocking said connection to the fuel cut-off means, a throw-over valve in each said control device having open and closed positions, said throw-over valve when open completing said connection to the stopping means independently of the first said valve, means for moving the first said valve to its first position when that compressor device which precedes in a fixed cyclic order the compressor device controlled by the valve is at rest and to its second position when said preceding compressor is in action, means for moving said throw-over valve to its closed position in response to the starting of the compressor which it controls and means for moving said throw-over valve to its open position in response to the starting of said preceding compressor.

2,434,779
MOUNT STRUCTURE FOR ELECTRIC LAMPS
Winfield H. Willis, Bedford, Ohio, assignor to General Electric Company, a corporation of New York
Application February 28, 1947, Serial No. 731,584
5 Claims. (Cl. 176—29)

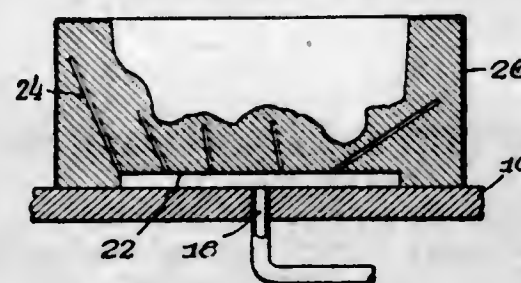


1. An electric lamp comprising a tubular glass envelope having metal end caps sealed to and closing its opposite ends, each of said end caps having a boss projecting inwardly of the envelope, a mount within said envelope comprising an elongated filament extending longitudinally of the envelope and a filament-supporting elongated stay member extending longitudinally of and compressed between the end caps of the envelope and provided with end conductors electrically connected to said filament, said end conductors each having a loop portion encircling the boss on the respectively adjacent end cap, and means on said stay member engaging one of said end caps to lock the said mount against rotation within the envelope.

2,434,780

PROCESS OF MOLDING HOT MATERIALS

John E. Wiss and Rio B. Wagner, Columbus, Ohio, assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application January 29, 1945, Serial No. 575,036
5 Claims. (Cl. 18—58)

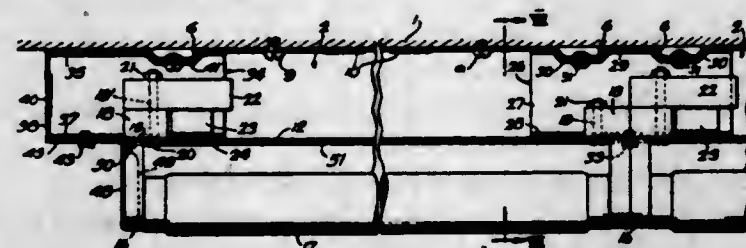


1. The process of casting and forming fusible materials fusing above the temperature at which hydrates of calcium sulfate lose water of hydration comprising fusing the materials to be cast, placing the fused materials in contact with a desired shape consisting of hydrated calcium sulfate, applying vacuum on said fused material through the body of said hydrated calcium sulfate shape, and maintaining said vacuum until the fused material congeals.

2,434,781

LAMP FIXTURE

George B. Kurtzon, Chicago, Ill., assignor to Garden City Plating & Manufacturing Co., Inc., a corporation of Illinois
Application March 15, 1946, Serial No. 654,579
5 Claims. (Cl. 240—51.11)



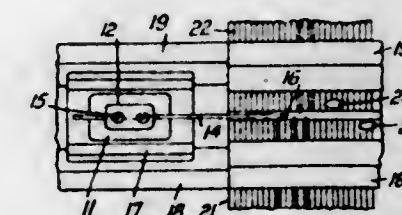
1. A lamp fixture comprising a channel member, a cover member, cooperating flanges on said channel and cover engageable to secure said member.

bers together, a socket secured to each end of said cover member, a pair of splice boxes adapted to be secured to opposite ends of said channel, and a cover for each of said splice boxes, said splice box covers each having a projecting portion positioned adjacent one of said sockets to protect said sockets against bending or breaking.

2,434,782

POWER-OPERATED FLAT FRAME KNITTING MACHINE

Cecil Drummond Alexander and Samuel Gibson, Irvine, Scotland, assignors to British Textile Manufacturing Company Limited, Irvine, Ayrshire, Scotland, a corporation of Great Britain
Application February 14, 1946, Serial No. 647,490
In Great Britain December 9, 1944
3 Claims. (Cl. 66—147)

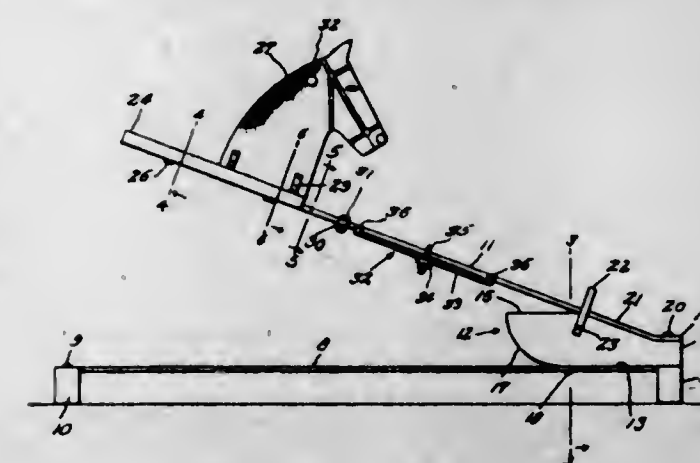


1. In an apparatus for tensioning fabric being knitted in a flat frame knitting machine, the combination with at least one needle bed, needles and yarn guides cooperating in forming selvage loops at the edges of the fabric being knitted, and a take-down roller, of a unitary tension member at each side of the machine having a finger positioned to extend downwardly through the loops of selvage stitches, said finger extending to a point closely adjacent to the periphery of the take-down roller, whereby to prevent any loop distortion and to maintain the original stitch formation along the full width of the knitted fabric continuously to the nip of the take-down roller.

2,434,783

HOBBYHORSE

Robert T. Athey, Armona, Calif.
Application June 7, 1944, Serial No. 539,081
4 Claims. (Cl. 272—52)

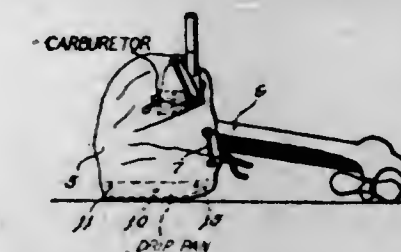


1. A hobbyhorse of the class described comprising a horizontally elongated base, a rectilinearly straight and flat exercising spring, a seat-board mounted on one end of said spring, a spacing block secured to one end of said base, said spacing block having its outer end formed into a reduced step, its inner under-face formed into a curvate rocker, and its intermediate portion formed into a declivity merging into said reduced step, the adjacent end of said exercising spring being secured to said step and resting on said declivity.

2,434,784

OUTBOARD MOTOR PAN AND COVER

Jesse H. Bardin, Jackson, Miss.
Application December 11, 1945, Serial No. 634,376
3 Claims. (Cl. 150—52)

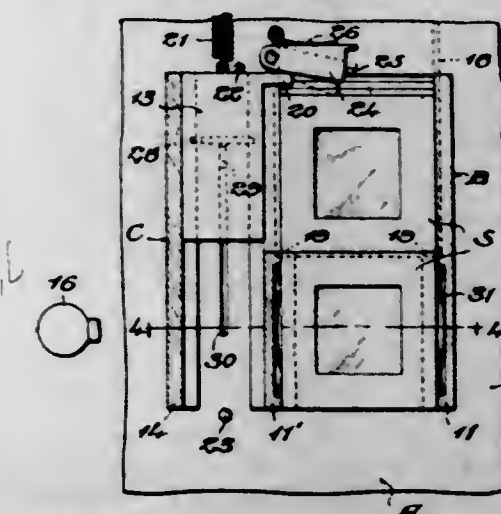


1. A combination drip pan and cover for outboard motors comprising a pan positioned internally of the cover to collect drippings from the motor, and a flexible fabric sheet attached to the pan and adapted to substantially completely envelope the motor and the pan when the cover is in position on an outboard motor.

2,434,785

PICTURE SLIDE FEEDING MECHANISM

Max E. Blumenstein, Hyattsville, Md.
Application August 23, 1945, Serial No. 612,146
2 Claims. (Cl. 88—28)



1. A mechanism for feeding picture slides from a magazine to a viewing position, said mechanism comprising a slideway for the slides, a magazine to contain the slides, said magazine being disposed to have slides fed therefrom successively into said slideway, means to insure feeding of slides successively from said magazine to said slideway, a member mounted for sliding movement longitudinally relative to said slideway between retracted and projected positions, a projection on said member for engagement with a slide in said slideway when said member is in its retracted position and the slide is aligned with said magazine and disposed in advance of the viewing position so that sliding of said member to its projected position is effective to advance the slide to the viewing position, said projection being engageable with the next slide to be fed from the magazine to the slideway to prevent feeding of the same until said member has been projected and subsequently retracted, stop means to stop slide-advancing sliding movement of said member when a slide being advanced thereby reaches the viewing position, yieldable means for retracting said member, means for finger engagement to effect projection of said member, and a latch yieldably urged to overlies a portion of the next slide to be fed from said magazine and for cooperation with said projection to prevent feeding from said magazine to said slideway of the said next slide to be fed from said magazine to said slideway during advance by said member to the viewing position.

sition of the slide last fed from said magazine to said slideway, said member being effective upon retraction thereof to move said latch to release the next slide for movement from said magazine into said slideway for advance to the viewing position when said member again is projected.

2,434,786

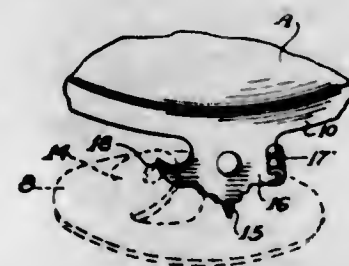
WINDOW AND BLIND CONSTRUCTION
Kenneth W. Browning, Murray, Utah
Application December 4, 1944, Serial No. 566,472
15 Claims. (Cl. 160—34)



13. In a window blind of Venetian blind type, a plurality of louvers interconnected by ladder tapes including longitudinal tapes applied to the louvers adjacent to their ends, the louvers being of less width at those portions where the tapes are connected to them than throughout the major portion of their length, whereby compact folding of the tapes with respect to the width of the louvers is made possible.

2,434,787

MILK BOTTLE CAP
Herman William Budan, Los Angeles, Calif.
Application December 2, 1944, Serial No. 566,282
2 Claims. (Cl. 215—38)



1. In a cap of the class described, a central area surrounded by a circular seat portion, a circular flange extending downwardly from the outer edge of said seat portion, two diametrically opposite spring ears each having side edges, said ears extending downwardly from said flange, at least one of said ears having in one of its side edges an arcuate recess which produces a hook with a point suited to hooking onto the finger-flap of a conventional milk bottle cap, said point being directed toward the aforesaid circular flange, said ear having also a central downwardly directed point portion to indent or puncture a conventional milk bottle cap, the latter point portion affording an anchored fulcrum point for use in prying off said conventional cap when the

aforesaid hook is applied under the finger-hold flap thereof, said ear which carries said downwardly directed point portion being widened superjacent to said downwardly directed point portion thus affording stop shoulders which prevent more than a slight penetration of the cap by the latter point portion when used as a fulcrum, as aforesaid.

2,434,788

FAT-SOLUBLE VITAMIN CONCENTRATES
Loran O. Buxton, Newark, N. J., assignor to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application April 3, 1944,
Serial No. 529,418

2 Claims. (Cl. 167—81)

1. A process for producing a fat-soluble vitamin concentrate from a fat-soluble vitamin-containing marine oil, which comprises mixing in the presence of an antioxidant concentrate obtained by the normally liquid organic solvent extraction of a natural antioxidant-containing fatty material of vegetable origin a fat-soluble vitamin-containing marine oil with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing from 3 to 6 carbon atoms, esters formed by the reaction of aliphatic and alicyclic alcohols with aliphatic monocarboxylic acids, said esters containing not more than 8 carbon atoms, aliphatic and alicyclic aldehydes containing not more than 6 carbon atoms and aliphatic ketones containing not more than 6 carbon atoms, to form a substantially homogeneous solution, cooling the mass to form a solvent layer containing a relatively potent concentrate and a residue layer and separating the solvent layer from the residue layer, the antioxidant concentrate serving to inhibit the loss of vitamin potency through oxidation during the process.

2,434,789

FRACTIONATION OF MARINE OILS
Loran O. Buxton, Newark, N. J., assignor to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application April 3, 1944,
Serial No. 529,419

3 Claims. (Cl. 167—81)

1. A process of separating vitamin alcohols from vitamin esters, which comprises mixing a vitamin-containing marine oil containing fat-soluble vitamin alcohols and esters with a highly polar selective solvent which is characterized by being miscible with vitamin alcohols but immiscible with vitamin esters in the presence of an antioxidant concentrate obtained by the extraction of a natural antioxidant-containing fatty material of vegetable origin with a normally liquid polar organic solvent, the antioxidant being added to the marine oil not later than the solvent, thereafter allowing the mixture to stand to separate into a solvent layer containing a relatively large proportion of the vitamin alcohols originally present in said marine oil and a part of the antioxidant concentrate and a residual layer containing a major portion of the marine oil, a relatively large proportion of the vitamin esters originally present therein and a part of the antioxidant concentrate and separating the solvent layer from the residual layer, the antioxidant concentrate serving to inhibit the loss of vitamin potency through oxidation during the process as well as serving to stabilize the vitamin potency in the alcohol concentrate and the vitamin ester-containing marine oil.

2,434,790

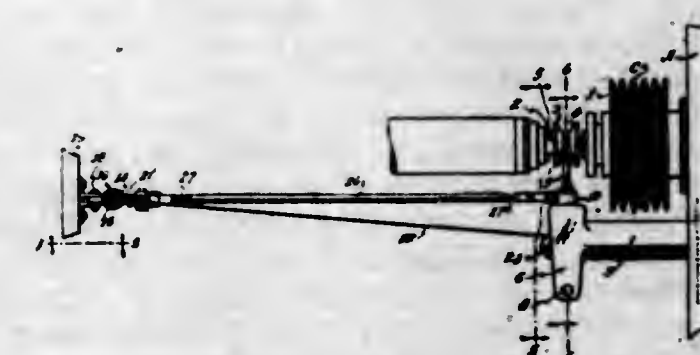
STABILIZING FATTY MATERIALS
Loran O. Buxton, Newark, and Charles E. Dryden, East Orange, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application March 27, 1944,
Serial No. 528,353

21 Claims. (Cl. 167—81)

1. A process for the stabilization of fatty materials prone to oxidation which comprises adding to the fatty material an antioxidant concentrate—obtained by contacting a natural antioxidant-containing vegetable material selected from the class consisting of vegetable oils and vegetable oil-bearing solids with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing from 3 to 6 carbon atoms, esters formed by the reaction of aliphatic and alicyclic alcohols with aliphatic monocarboxylic acids, said esters containing not more than 8 carbon atoms, aliphatic and alicyclic aldehydes containing not more than 6 carbon atoms, and aliphatic ketones containing not more than 6 carbon atoms at a temperature above room temperature, cooling the mass to a temperature below 0° C. whereby layers are formed and separating the solvent layer containing the antioxidant—and contacting the mixture of antioxidant concentrate and fatty material with a relatively small amount of ammonia.

2,434,791

SHIFTING MECHANISM FOR POWER TRANSMISSION APPARATUS
Kibbey W. Couse, Newark, N. J.
Application February 26, 1946, Serial No. 650,208
2 Claims. (Cl. 74—491)

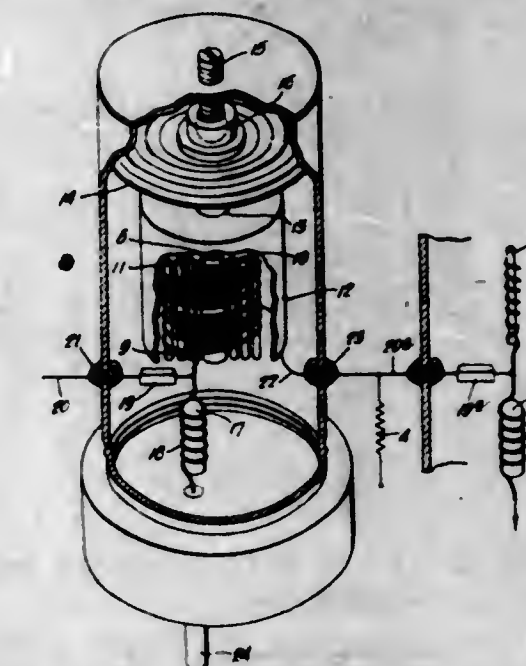


1. Shifting mechanism of the character described including a longitudinally shiftable element, a shifting member normally in spaced inoperative relation to said shiftable element, and means for moving said shifting member into operative relation to said shiftable element and for longitudinally actuating the latter in succession, said means including an actuating lever having two sections movable relatively and together, one of which is pivotally connected to a fixed support while the other is formed to operatively engage said shiftable element, means for normally yieldingly pulling the second-named section away from said shiftable element, an operating lever mounted to revolve about a longitudinal axis and to swing about a transverse axis, an operative connection between said lever and the second-named section of said actuating lever to move the latter toward said shiftable element upon rotation of said operating lever, and an operative connection between said operating lever and the first-named section of the actuating lever for swinging the actuating lever to move said shiftable element longitudinally.

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2,434,792

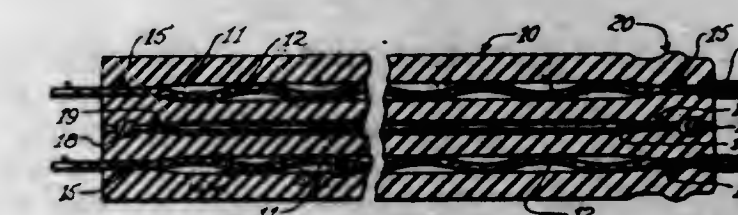
HIGH-FREQUENCY AMPLIFIER
Charles E. Dolberg, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 30, 1944, Serial No. 538,064
11 Claims. (Cl. 315—44)



1. A high frequency amplifier tube, comprising an enclosure, electrodes therein including input and output electrodes, an inductance coil within said enclosure connected to the input electrode and adapted to serve as an interstage coupling element, and means associated with the output electrode for forming therewith an adjustable capacitance.

2,434,793

ELECTRIC CORD
Edward B. Feaster, Springfield, Mass.
Application November 11, 1944, Serial No. 562,968
3 Claims. (Cl. 174—113)



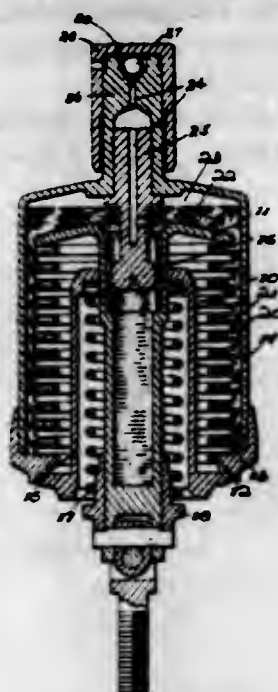
1. A conductor cord for electrical appliances which comprises a bodily flexible insulating sheath having a plurality of conduits extending longitudinally thereof, a flexible conductor located within each conduit and of a length greater than that of the conduit, each conductor being sealed to the sheath at each end of its conduit, and a relatively non-extensible reinforcing member extending from one end to the other of the sheath, symmetrically positioned with respect to the conductors, and secured to the sheath at its ends, whereby the cord may be flexed laterally without imposing strain on the conductors.

2,434,794

DAMPED BELLOWS
Jean V. Giesler, Knoxville, Tenn., assignor to The Fulton Siphon Company, Knoxville, Tenn., a corporation of Delaware
Application May 11, 1942, Serial No. 442,514
5 Claims. (Cl. 137—156.5)

2. In combination with a corrugated wall, means for damping vibration thereof including a confining wall surrounding said corrugated wall and containing a liquid which fills the spaces between the corrugations, and individual elements integrated with and projecting peripherally beyond at least some of the corrugations of said wall and having a predetermined close clear-

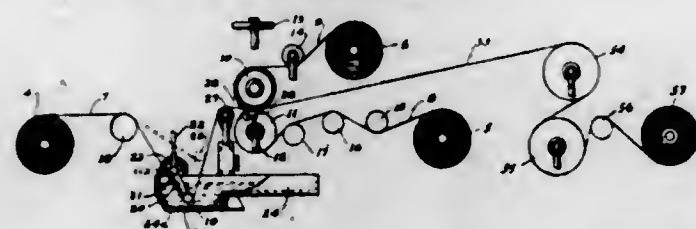
ance with said confining wall for producing a dash pot action by retarding flow of said liquid



around the periphery of said elements into and out of said corrugation spaces.

2,434,795

METHOD AND MACHINE FOR LAMINATING
Joseph S. Glasing, Huntington, and Harold D. Marcotte, Russell, Mass., assignors to Westfield River Paper Company, Inc., Russell, Mass., a corporation of Massachusetts
Application July 1, 1944, Serial No. 543,160
8 Claims. (Cl. 154—37)



1. A machine for laminating a plurality of sheets of material, which comprises a bath for maintaining adhesive in heated liquid form, a pair of pressure rolls, coming together at a nip, mounted above one part of said bath, means for heating the outside sheets to be laminated and engaging one of the same with the surface of one of said rolls and the other with the surface of the other of said rolls for a substantial distance in advance of said nip, guide means for immersing an intermediate sheet into another part of said bath to heat the sheet and coat the same on both sides with liquid adhesive, and additional heated guide means closely adjacent said nip to reheat said intermediate sheet and direct the same into said nip at substantially the same angle with respect to each of said outside sheets.

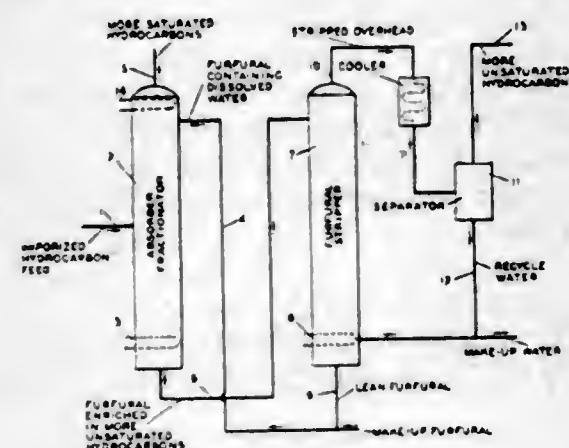
2,434,796

PROCESS FOR THE EXTRACTIVE DISTILLATION OF C₄ HYDROCARBONS WITH FURFURAL

Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 13, 1942, Serial No. 438,844
2 Claims. (Cl. 202—39.5)

1. In a process for the treatment of a mixture of low-boiling aliphatic C₄ hydrocarbons of varying degrees of saturation to separate the more unsaturated portion from the more saturated portion thereof which comprises introducing a stream of said C₄ hydrocarbons into a fractionating column at an intermediate point therein and fractionally distilling said stream therein at a

pressure substantially above atmospheric, introducing into said column a stream of furfural and passing same downwardly therein to effect selective dissolution in said furfural of the more unsaturated portion of said mixture, removing overhead an undissolved product comprising the more saturated portion of said mixture, condensing a portion of the overhead vapors and refluxing said column with the condensate, introducing heat into the bottom of said column and thereby boiling the bottom product to provide the vapor necessary for the distillation of the hydrocarbons in the presence of the furfural, removing a bottom product comprising the more unsaturated hydrocarbons dissolved in said furfural, introducing said bottom product into a stripper column and therein stripping said more unsaturated hydrocarbons at a pressure substantially above atmospheric, introducing heat into the bottom of said



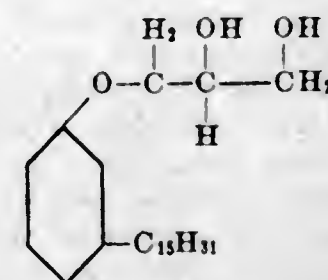
stripper column and thereby boiling the bottom product, removing from said stripper column a bottom product of lean furfural and returning same to said fractionating column, and removing from said stripper column the stripped overhead product comprising said more unsaturated hydrocarbons, the improvement which comprises reducing substantially the operating temperature in said process by providing in said furfural water in amount ranging from about one weight per cent up to but not exceeding that at which the furfural is saturated with water at the coolest temperature encountered in said fractionating column and said stripping column, cooling said stripped overhead product sufficiently to cause separation of a water layer containing dissolved hydrocarbons, withdrawing said water layer and introducing same directly into the bottom of said stripper column.

2,434,797

GLYCERYL ETHER OF HYDROGENATED CARDANOL

Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application January 30, 1945, Serial No. 575,358
1 Claim. (Cl. 260—613)

A novel compound having the following general formula:

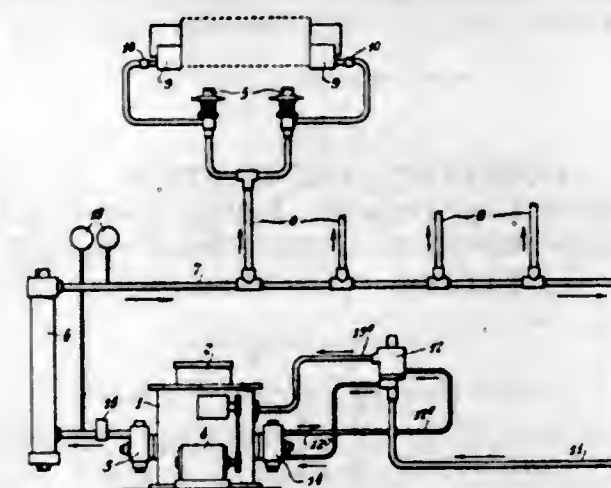


Said hydrocarbon substituent C₁₅H₃₁ being straight chain, said compound being a solid at room temperature.

2,434,798

CONTROLLING THE VISCOSITY AND FLOW OF FLUIDS

Cecil Cyprian Higgins, London, England, assignor to The Eyre Smelting Company, Limited, London, England, a company of Great Britain
Application July 13, 1943, Serial No. 494,567
In Great Britain March 4, 1942
14 Claims. (Cl. 184—7)



1. A lubricating system of the type including a pump circulating a lubricant in a closed path from and back to a lubricant container, branch pipe extending from said closed path to lubrication points, and an adjustable pressure-responsive valve for regulating the liquid pressure within said closed path, said valve being situated at the terminal end of the path leading back into the lubricant container and being movable in one direction by the liquid pressure within said system; characterized by the fact that means responsive to the viscosity of the circulating lubricant imposes upon said valve a loading force that varies progressively with the viscosity of the circulating lubricant; said means for providing such loading force comprising a pressure chamber housed within an immersion chamber forming a part of the lubricant path between said pressure-responsive regulating valve and lubricant container, a floating plunger subject to liquid pressure within said pressure chamber axially disposed in relation to and bearing on said regulating valve, a restricted orifice member having a resistance to flow which varies directly with the viscosity of fluid passing therethrough and leading out of said pressure chamber into the immersion chamber, and means including a constant output pilot pump for circulating into the pressure chamber and out through the restricted orifice leading therefrom a portion of the lubricating fluid drawn from the system.

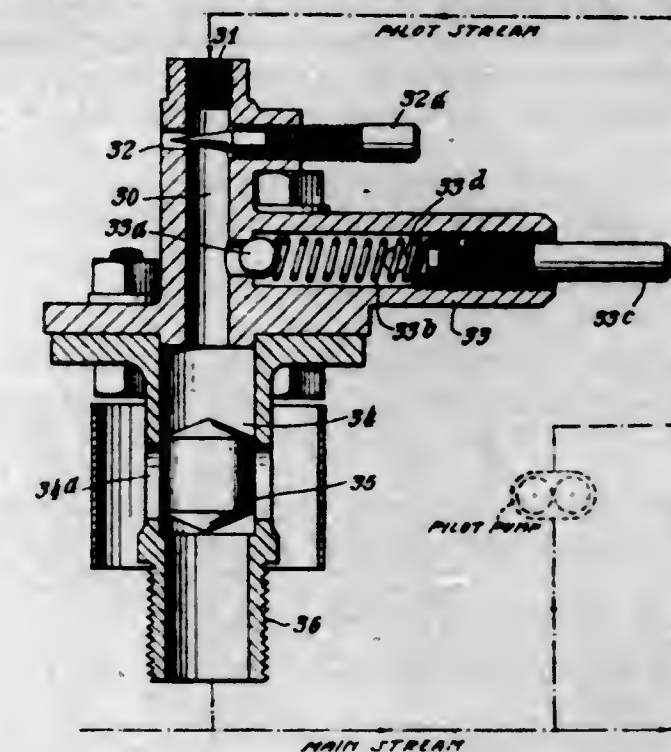
2,434,799

VISCOSITY-RESPONSIVE VALVE

Cecil Cyprian Higgins, London, England, assignor to The Eyre Smelting Company, Limited, London, England, a British company
Application November 10, 1943, Serial No. 509,789
In Great Britain June 24, 1943
5 Claims. (Cl. 137—53)

5. In combination with a pilot pump circuit and a main circuit under pressure in a hydraulic system, a viscosity-responsive pressure regulating valve comprising a pressure chamber having an inlet in communication with the pilot circuit and having an outlet port leading from said pressure chamber, adjustable means for restricting the flow of fluid from said outlet port thereby developing in said pressure chamber a fluid pressure proportional to viscosity, a piston chamber of uniform diameter in communication at one end with the pressure chamber, said piston chamber having an inlet port at its other end in communi-

cation with said main circuit and having an outlet port intermediate the ends of said piston chamber, and a floating piston of uniform diame-

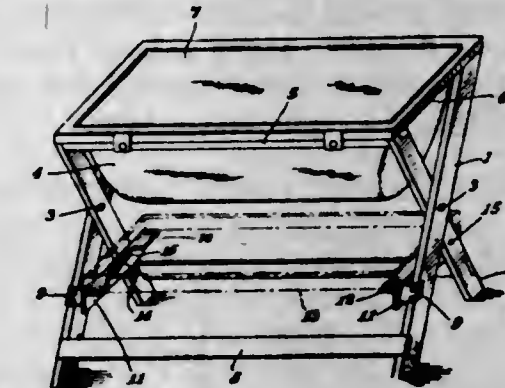


ter slidably fitted in said piston chamber and constructed and arranged to control flow of main fluid from said piston chamber inlet port through said intermediate outlet port.

2,434,800

SUPPORT FOR TRAY ON FOLDING BATHTUBS

Maurice Hollander, New York, N. Y.
Application January 29, 1947, Serial No. 725,116
2 Claims. (Cl. 248—166)



1. A stand for a receptacle of flexible sheet material, comprising a folding framework having a pair of legs at each end supporting said receptacle at their tops, a pivot uniting the legs of each pair between their extremities, a mounting element on one leg of each pair, a pin on the other leg of each pair, and a bar associated with each pair of legs, each bar having pivotal connection with one of said elements and having a slot beginning adjacent its said pivotal connection and extending longitudinally therefrom; each pin engaging the slot of the bar in proximity thereto, said slots being inclined from side to side in the bars in such direction that when said legs are folded together the bars are actuated by the pins into alignment with the associated legs, and when the stand is set up, the bars are lowered into substantially horizontal position.

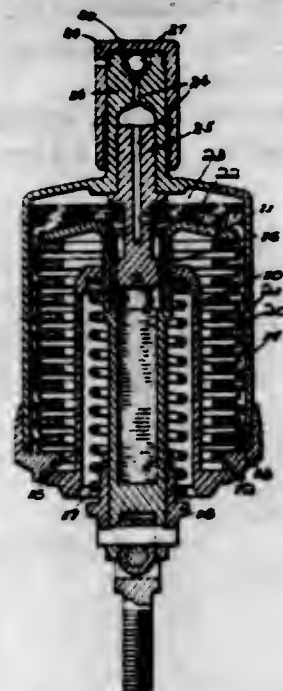
2,434,801

INTERNAL ABRASIVE DEVICE

Maraden C. Hutto, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan
Application June 20, 1946, Serial No. 678,112
6 Claims. (Cl. 51—157)

1. In a device for finishing cylindrical articles, the combination of an external frame surround-

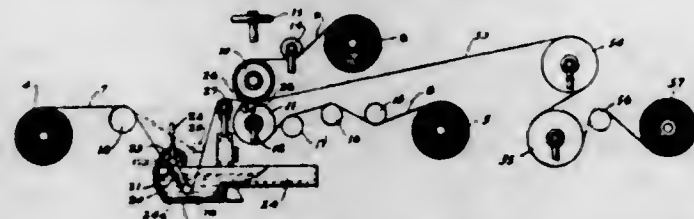
ance with said confining wall for producing a dash pot action by retarding flow of said liquid



around the periphery of said elements into and out of said corrugation spaces.

2,434,795

METHOD AND MACHINE FOR LAMINATING
Joseph S. Glasing, Huntington, and Harold D. Marcotte, Russell, Mass., assignors to Westfield River Paper Company, Inc., Russell, Mass., a corporation of Massachusetts
Application July 1, 1944, Serial No. 543,160
8 Claims. (Cl. 154—37)



1. A machine for laminating a plurality of sheets of material, which comprises a bath for maintaining adhesive in heated liquid form, a pair of pressure rolls, coming together at a nip, mounted above one part of said bath, means for heating the outside sheets to be laminated and engaging one of the same with the surface of one of said rolls and the other with the surface of the other of said rolls for a substantial distance in advance of said nip, guide means for immersing an intermediate sheet into another part of said bath to heat the sheet and coat the same on both sides with liquid adhesive, and additional heated guide means closely adjacent said nip to reheat said intermediate sheet and direct the same into said nip at substantially the same angle with respect to each of said outside sheets.

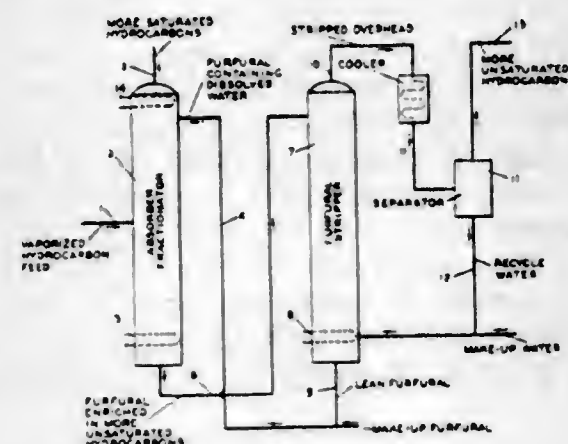
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pressure substantially above atmospheric, introducing into said column a stream of furfural and passing same downwardly therein to effect selective dissolution in said furfural of the more unsaturated portion of said mixture, removing overhead an undissolved product comprising the more saturated portion of said mixture, condensing a portion of the overhead vapors and refluxing said column with the condensate, introducing heat into the bottom of said column and thereby boiling the bottom product to provide the vapor necessary for the distillation of the hydrocarbons in the presence of the furfural, removing a bottom product comprising the more unsaturated hydrocarbons dissolved in said furfural, introducing said bottom product into a stripper column and therein stripping said more unsaturated hydrocarbons at a pressure substantially above atmospheric, introducing heat into the bottom of said



stripper column and thereby boiling the bottom product, removing from said stripper column a bottom product of lean furfural and returning same to said fractionating column, and removing from said stripper column the stripped overhead product comprising said more unsaturated hydrocarbons, the improvement which comprises reducing substantially the operating temperature in said process by providing in said furfural water in amount ranging from about one weight per cent up to but not exceeding that at which the furfural is saturated with water at the coolest temperature encountered in said fractionating column and said stripping column, cooling said stripped overhead product sufficiently to cause separation of a water layer containing dissolved hydrocarbons, withdrawing said water layer and introducing same directly into the bottom of said stripper column.

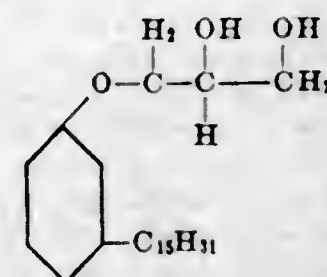
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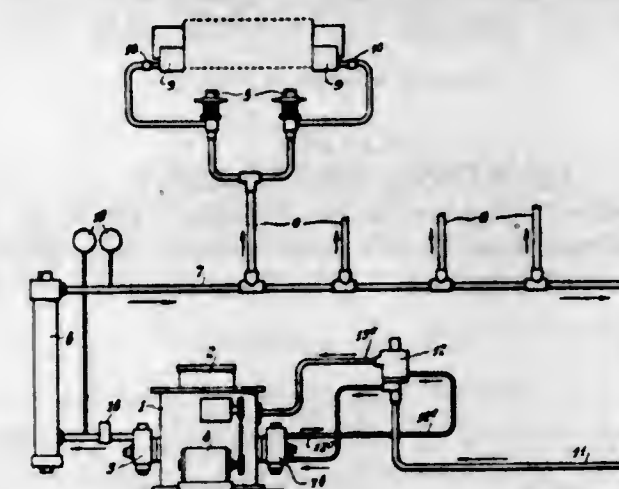


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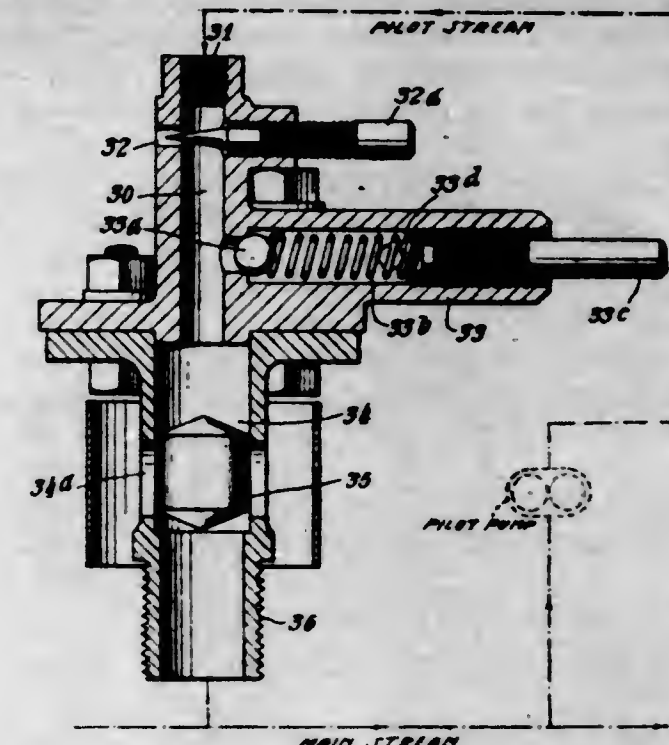
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cation with said main circuit and having an outlet port intermediate the ends of said piston chamber, and a floating piston of uniform diameter

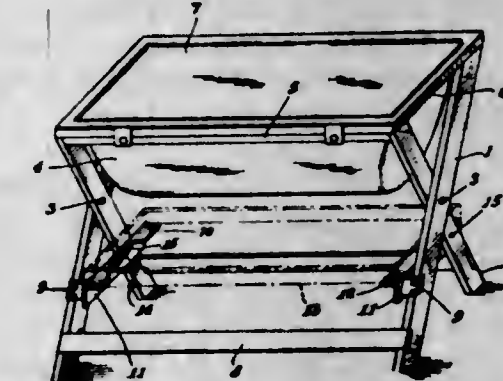


ter slidably fitted in said piston chamber and constructed and arranged to control flow of main fluid from said piston chamber inlet port through said intermediate outlet port.

2,434,800

SUPPORT FOR TRAY ON FOLDING BATHTUBS

Maurice Hollander, New York, N. Y.
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1. A stand for a receptacle of flexible sheet material, comprising a folding framework having a pair of legs at each end supporting said receptacle at their tops, a pivot uniting the legs of each pair between their extremities, a mounting element on one leg of each pair, a pin on the other leg of each pair, and a bar associated with each pair of legs, each bar having pivotal connection with one of said elements and having a slot beginning adjacent its said pivotal connection and extending longitudinally therefrom; each pin engaging the slot of the bar in proximity thereto, said slots being inclined from side to side in the bars in such direction that when said legs are folded together the bars are actuated by the pins into alignment with the associated legs, and when the stand is set up, the bars are lowered into substantially horizontal position.

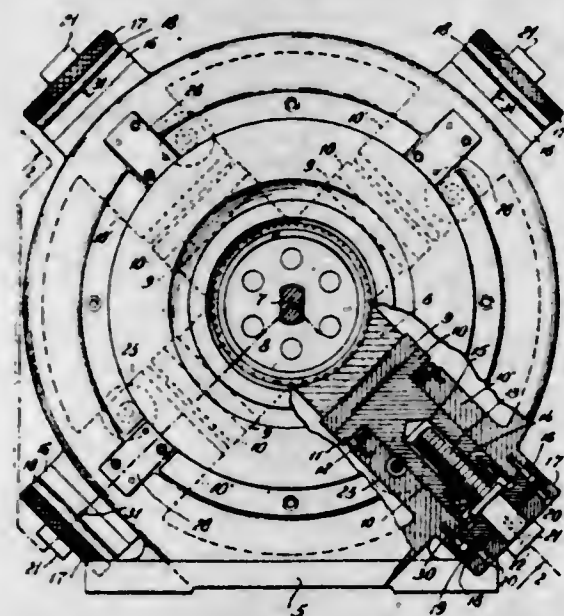
2,434,801

INTERNAL ABRASIVE DEVICE

Marsden C. Hutte, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan
Application June 20, 1946, Serial No. 678,112
6 Claims. (Cl. 51—157)

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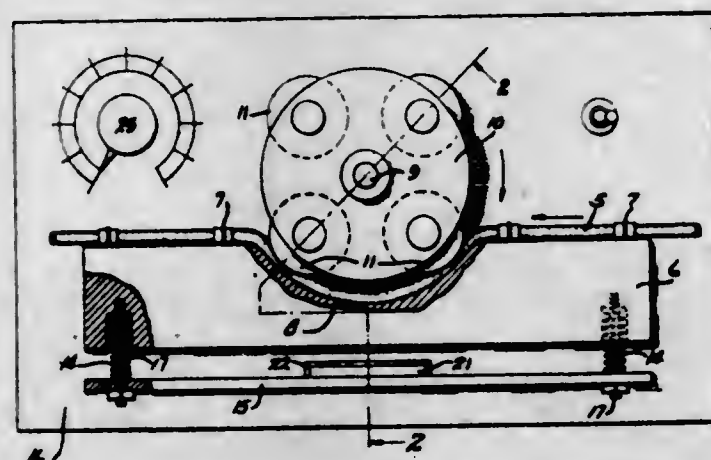
ing the location of the articles to be finished, a plurality of pistons mounted at circumferentially spaced points in said frame and movable radially of the axis of such location, a finishing element affixed to the inner end of each piston so as to present a series of internal, cylindrically aligned finishing surfaces with a working di-



ameter of predetermined size, a threaded adjusting nut secured to each of said pistons, an adjusting screw engaging each of said adjusting nuts and held against longitudinal movement relative to said frame, means for preventing rotation of said pistons relative to said frame, and releasable means for clamping said pistons against movement.

2,434,802

PUMP OF THE TUBE COMPRESSING TYPE
Albert A. Jacobs, Milwaukee, Wis.
Application October 1, 1945, Serial No. 619,475
6 Claims. (Cl. 103-149)



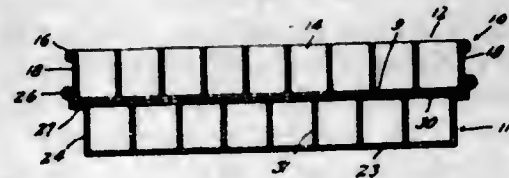
1. In combination, a case, an exterior arcuate tube support, a tube supported thereon, a rotor co-axial with said support and provided with arcuately spaced tube compressing cams, a shaft for the rotor, a motor within the case, driving connections from the motor to the shaft, and means for the cushioned unitary support from the case of the interior motor and driving means and the external tube support, tube, and rotor.

2,434,803

FREEZING MOLD FOR ICE STICKS
Avin Columbus Johnson and Charles C. Oliver,
New Orleans, La.
Application January 7, 1946, Serial No. 639,584
3 Claims. (Cl. 62-108.5)

3. A freezing mold for use in refrigerators comprising a resilient top tray and a resilient bottom tray, each of said trays having a bottom and side walls, transoms and partitions providing a plurality of compartments, said bottom tray in-

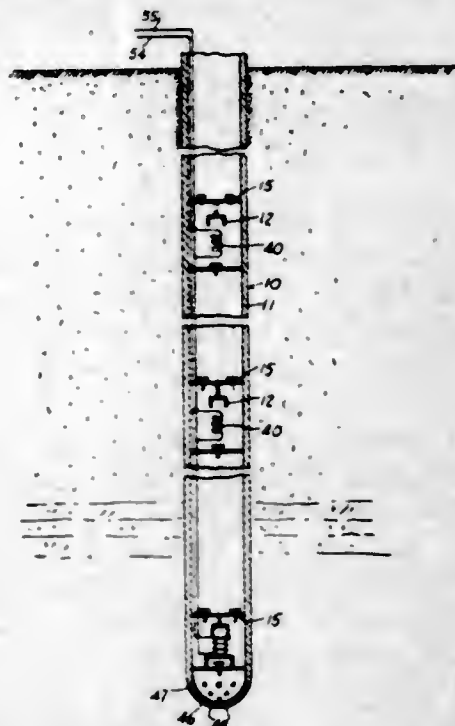
cluding a shelf-like formation having an upstanding edge extending along said walls for seating



the top tray therein and a removable plate on said shelf-like formation beneath said top tray.

2,434,804

PUMPING APPARATUS
Mary Stacy Lagercrantz, Dobbs Ferry, N. Y.
Application March 15, 1945, Serial No. 582,874
11 Claims. (Cl. 103-46)



2. A pump comprising a pipe, pump units spaced in said pipe, and comprising a vibratory diaphragm across the pipe, and provided with an upwardly opening valve port, a rod below the diaphragm and operatively connected to the latter, an inverted cup-shaped armature secured on said rod and having an upper opening, a magnet disposed below the diaphragm and having an inner pole in the armature and provided with a passageway therethrough, an upwardly opening check valve closing said passageway, a transverse wall across the pipe and having an opening to said passageway, a magnet coil on said inner pole, and a current source means supplying current impulses to said coil.

2,434,805

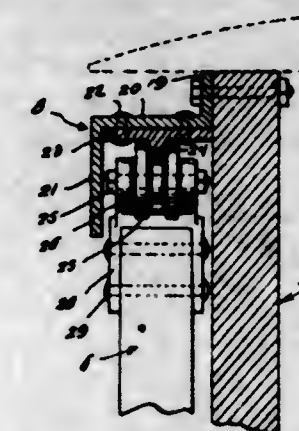
CAR DOOR

Ferdinand H. Lange, Wilkes-Barre, Pa., assignor of one-third to William L. Teeter, Kingston, and one-third to R. B. Gronkowski, Hazleton, Pa.

Application August 23, 1944, Serial No. 550,803
1 Claim. (Cl. 16-87)

A door assembly for railway rolling stock comprising a door panel, an elongated spring having at its intermediate portion a pair of parallel downwardly extending flanges bolted to the intermediate portion of the upper edge margin of the panel and having bifurcated ends, a roller journaled in and between the bifurcations of each spring end and having a peripheral groove tapering inwardly, a guiding track for the panel and including a horizontal portion overlying the upper edge of the panel and a vertical flange overlapping the upper margin of the front side of the door, a crank plate affixed at its upper side to

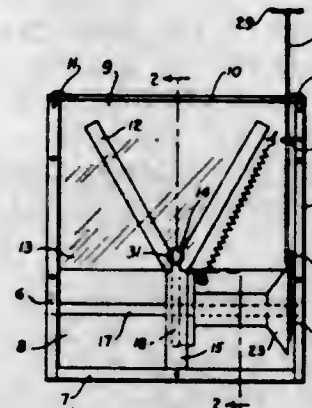
the lower side of the horizontal portion of the track and having on its lower side a longitudinal



rib of downwardly tapering transverse connection, said rib for engaging in the grooves of the rollers.

2,434,806

HYGIENIC TOOTHPICK DISPENSER
Raphaël Lépine, Hawkesbury, Ontario, Canada
Application February 12, 1947, Serial No. 728,065
4 Claims. (Cl. 312-75)



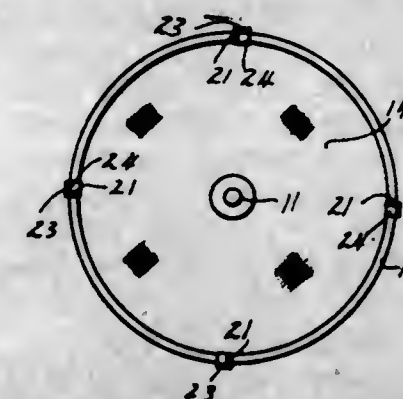
1. A dispenser comprising a casing having a removable top, a hopper in said casing formed of a pair of sloping wings narrowly spaced at their lower ends, a prop under the forward side of said hopper having a spacing tenon rising between the wings thereof, a manually operated, spring retracted ejector disk rising between the spaced lower ends of said hopper wings and substantially level with the tenon of said prop, a stop on the side of said disk in normal engagement with the underside of one of said hopper wings, and an opening in said casing substantially aligned with the top of said ejector disk and the tenon of said prop.

2,434,807

FILTER LEAF SUPPORT

John W. Little, Birmingham, Ala., assignor to Goslin-Birmingham Manufacturing Company, Inc., a corporation of Alabama

Application June 12, 1946, Serial No. 676,158
5 Claims. (Cl. 210-181)



2. In a filter embodying a multiplicity of leaves mounted on a rotary shaft in spaced relation and in which filter cloth is held in place on opposite sides of each leaf by means of clamping rings and bolts extending from side to side of the leaf, an axially extending bar for holding the leaves in

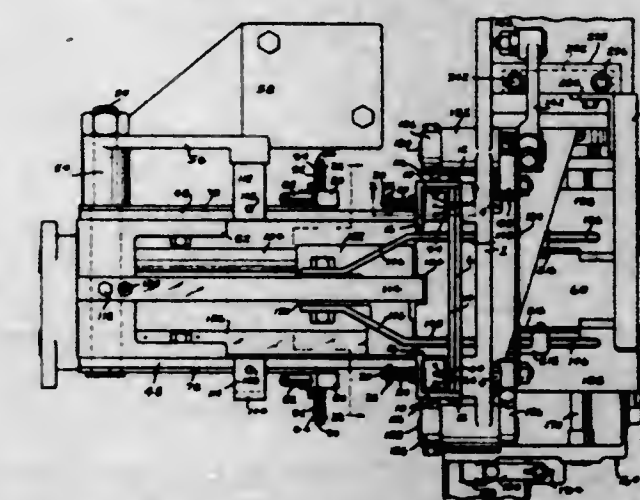
uniformly spaced relation, said bar having a flange with notches therein fitting over the leaves, the unnotched portions of the flanges extending inwardly between the leaves, a flange lying flat against the outer peripheries of the leaves, spaced lugs on the bars extending inwardly alongside the clamping rings, and clamping bolts extending through the lugs and clamping rings to secure the leaves to the spacer bar.

2,434,808

SHEET FEEDING MECHANISM

Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co, Chicago, Ill., a corporation of Illinois

Original application June 2, 1939, Serial No. 276,986. Divided and this application October 11, 1943, Serial No. 505,807
18 Claims. (Cl. 271-32)

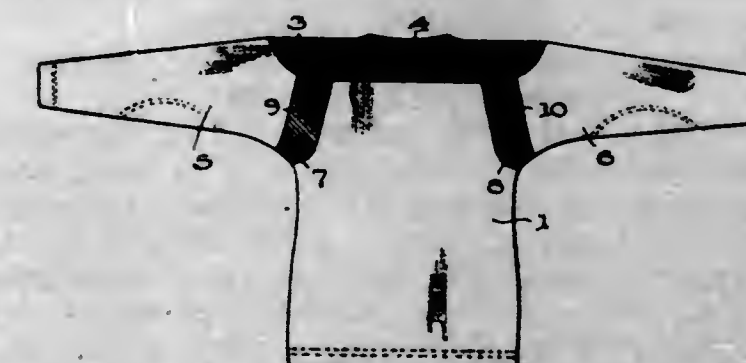


1. In a mechanism for feeding labels or strips from a stack, shiftable suction heads propelled simultaneously and having spaced aligned surfaces engaging spaced portions of an outermost strip of the stack, means movable with said heads engaging the strip between said surfaces as the strip is engaged thereby for straightening the strip to insure proper engagement of the strip by the aligned surfaces of said suction heads, means for shifting said suction heads to and from the stack of strips, and means for connecting said suction heads to a source of vacuum when the aligned surfaces engage the outermost strip of the stack and for breaking the suction to said heads when said strip has been withdrawn from the stack.

2,434,809

GARMENT

Harold Bradford Northrup, Johnstown, N. Y.
Application May 9, 1946, Serial No. 668,522
5 Claims. (Cl. 2-90)



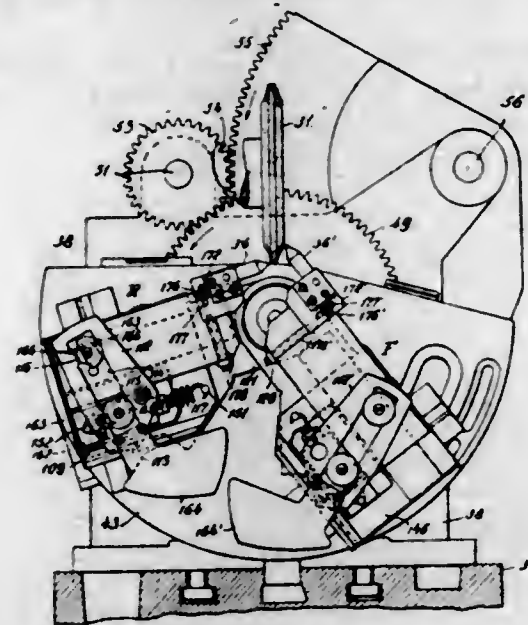
1. A garment comprising a body part made of knitted material having the wales thereof extending substantially vertically, sleeves made of knitted material having the wales thereof extending substantially longitudinally of the sleeves, and a section of knitted material between the body part and the underside, at least a part of the front side and at least a part of the rear side of each sleeve, the wales of said sections extend-

ing transversely to the armhole and obliquely to the wales in the materials of the sleeves and the body part, whereby greater freedom of movement in the region of the armhole is provided.

2,434,810

APPARATUS FOR DRESSING INVOLUTE PROFILES

Joseph J. Osplack, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan
Application August 18, 1944, Serial No. 550,087
16 Claims. (Cl. 125-11)



1. In a device of the character described, in combination, a stationary part, a plate mounted to rotate relative to said stationary part about a fixed axis, a cutting point slidably supported on said plate to move in a plane normal to said axis along a straight path tangent to a circle concentric with the rotational axis of said plate, means for oscillating said plate about said axis, a circular surface concentric with said axis fixed to said stationary part, and means independent of said plate oscillating means and including a rotary element journaled in said plate and engaging said circular surface for reciprocating said point along said path relative to said plate at a rate directly proportional to the rate of movement of said plate about said axis said rotary element being driven by the oscillation of said plate relative to said circular surface.

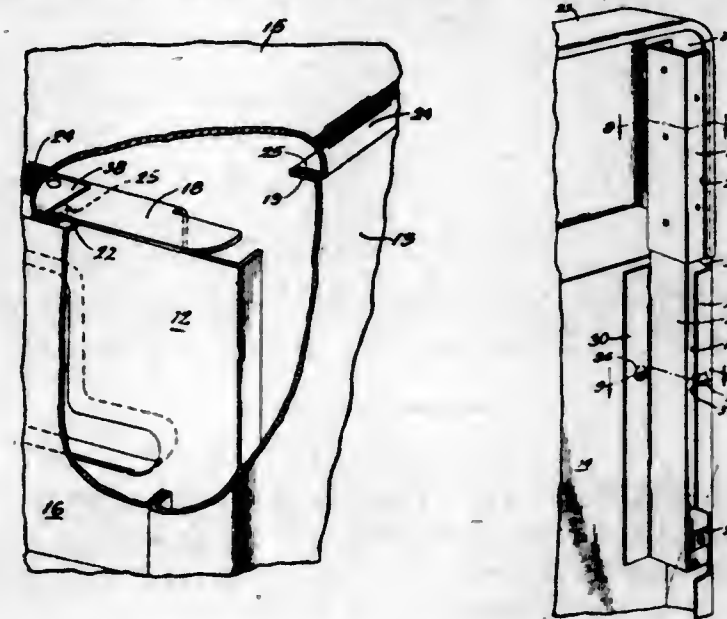
2,434,811

STOVE CONSTRUCTION HAVING TOP SECTION SECURING MEANS

Charles J. Rogers, River Forest, and Jesse Bright, Elmhurst, Ill., assignors to Crown Stove Works, Cicero, Ill., a corporation of Illinois
Application July 11, 1945, Serial No. 604,416
5 Claims. (Cl. 126-39)

1. A sheet metal stove construction of the class described comprising, side, front, and back sections wherein the side and front sections are suitably secured together along their vertical abutting perimeters and the back section is secured between said side sections inwardly of their rear vertical perimeters, said front and sides having horizontally-disposed flanges formed along their upper edges, the flange on said front extending forwardly thereof and the flanges on said side sections extending inwardly, a vertical flange extending inwardly from each of said sides in rearwardly-spaced parallel relationship to said back, a top section having a transverse perimetrical border formed with an inwardly-extending flange, said top being assembled with a said side, front, and back sections with the border flange

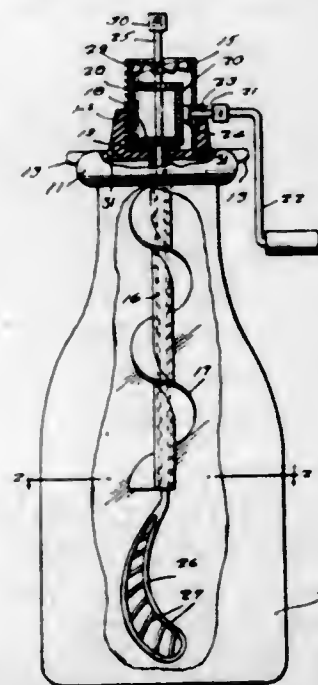
along the front edge of said top engaged under the forwardly-extending flange on said vertical front section but with the lateral border flanges of said top resting upon the flanges of said side sections, and a retaining bracket interposed between and secured to said back section and each of the contiguous inwardly-extending side



flanges, a part on each of said brackets interlocking with the flange of the adjacent border portion of said top and abutting against the inner face of the adjacent top border so as to secure said top against forward-rearward and sidewise movement relative to said front, back, and side sections.

2,434,812
MIXER

Duane Roles, Toledo, Oreg.
Application September 7, 1945, Serial No. 614,840
2 Claims. (Cl. 259-105)



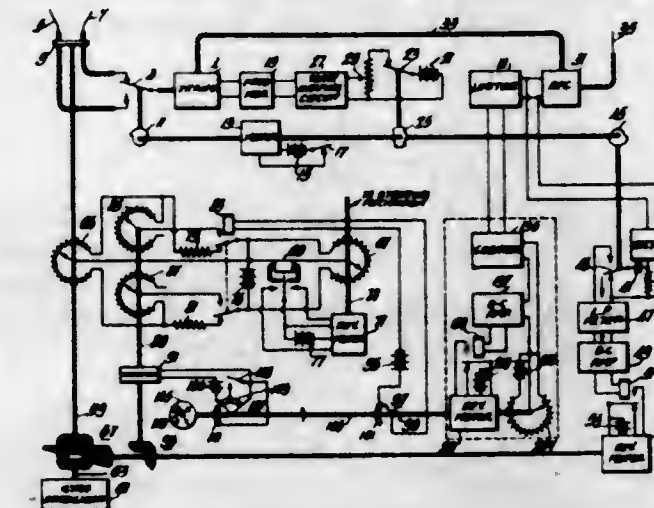
1. In a mechanical mixer for mixing elements in an open top container, a cap adapted for being removably positioned upon said open top container, said cap having openings extending there-through from the exterior surface thereof to communicate with the interior of said container, a sleeve carried by the top of said cap, a shaft mounted in said sleeve extending into said container, an agitating element on a portion of the shaft extending into said container, a tubular member surrounding a substantial portion of said shaft mounted in said cap and extending into said container, agitating means on the portion of said tubular member extending into said container, a rotating element on said tubular member positioned within said sleeve and spaced above said cap, said rotating element having an opening therein communicating with the interior of

said tubular member, a rotating element on the shaft within said sleeve positioned above and spaced from the rotating element on said tubular member, a rotative element mounted in said sleeve and operatively connected with the rotating elements on said shaft and tubular member respectively adapted to rotate said elements in opposite directions, a fan on the shaft positioned within said sleeve above and spaced from the rotating element on the shaft adapted for feeding air downwardly through the tubular member and into the elements being mixed in the container, and means for rotating said rotative element from the exterior of said sleeve.

2,434,813

AIRCRAFT NAVIGATION

Royden C. Sanders, Jr., Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1944, Serial No. 547,203
6 Claims. (Cl. 250-154)



4. A steering system including a steering control shaft, target sighting and ranging means including output shafts and means for maintaining automatically said output shafts at angles which are predetermined functions respectively of azimuth and range of a selected target, remote control means comprising a transmitter coupled to said azimuth shaft, a receiver coupled to said steering control shaft, and electrical connections between said transmitter and receiver, a differential control device, switching means for selectively including and excluding said differential control device in said electrical connections, means for supplying mechanical input to said differential control device including an electromagnetic clutch mechanically coupled to said azimuth shaft, a switch coupled to said range shaft for energizing said clutch throughout a predetermined range of angular displacement of said range shaft, and further switching means coupled to said range shaft to include said differential control device in said electrical connections throughout a second predetermined range of angular position of said range shaft.

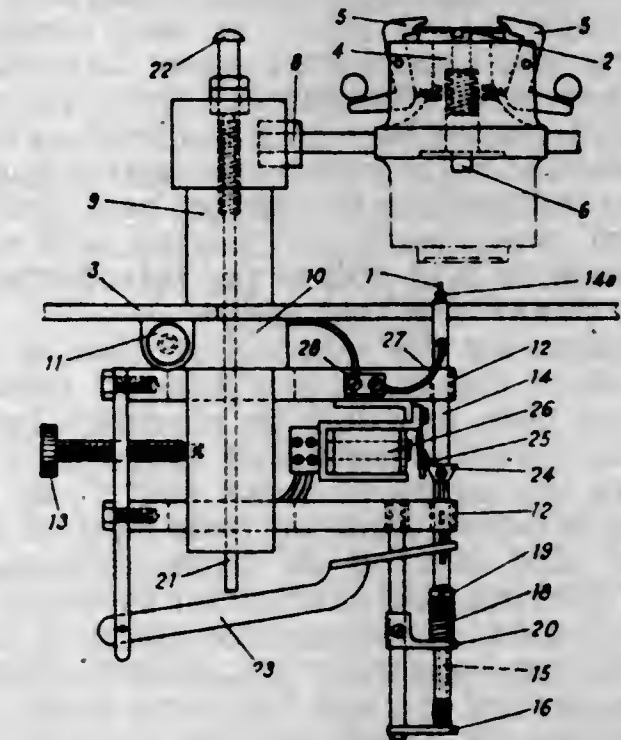
2,434,814

MACHINE FOR ELECTRIC WELDING OF DIAL FEET ONTO DIAL PLATES

Jules Schneider and Hans Schneider, La Chaux de Fonds, Switzerland
Application February 27, 1945, Serial No. 579,940
In Switzerland January 28, 1944
Section 1, Public Law 690, August 8, 1946.
Patent expires January 28, 1964
3 Claims. (Cl. 219-8)

1. In a machine for electric welding of dial feet onto a dial plate, comprising a work-table carrying a dial plate holder and mounted on the

machine frame, two axially slidable electrodes placed at right angles to the plane of the work-table and carrying at their rear end a dial foot check, and two condensers with change-over switch for successive connection first with a cur-

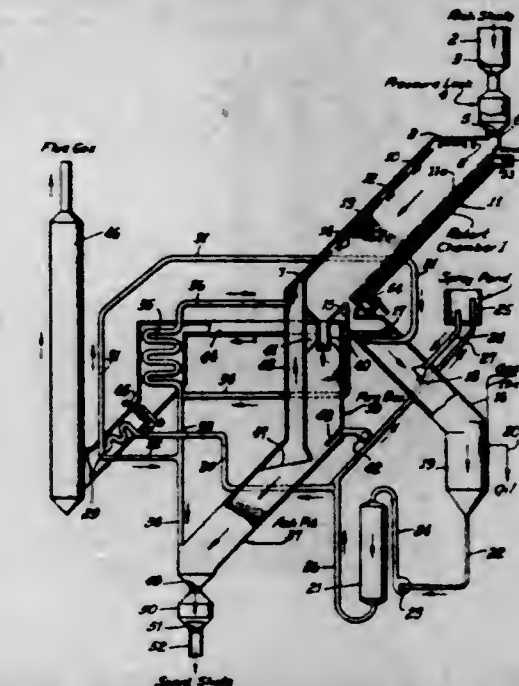


rent supply and then with the work-table and the respective electrode, the special feature that the work-table is mounted rotatively on a shaft placed at right angles to the axes of the electrodes, and that the rotation of the table is limited to one turn-over of 180 degrees.

2,434,815

METHOD AND APPARATUS FOR EDUCTING OIL FROM OIL SHALE BY USE OF SUPER-HEATED STEAM

Richard J. Shaw, Redondo Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 30, 1943, Serial No. 508,411
7 Claims. (Cl. 202-16)



1. An apparatus for educting oil from oil shale comprising a retort provided with means for continuously introducing oil shale, means for introducing superheated steam, means for separating educted oil from carbonaceous shale, means for filtering said educted oil comprising a filter bed within said retort spaced from the oil shale, and means for continuously removing carbonaceous shale; a fire box communicating with said retort, into which fire box carbonaceous shale is continuously received from said retort and in which said carbonaceous shale is burned, said fire box being provided with means for introducing air, means for removing hot flue gases

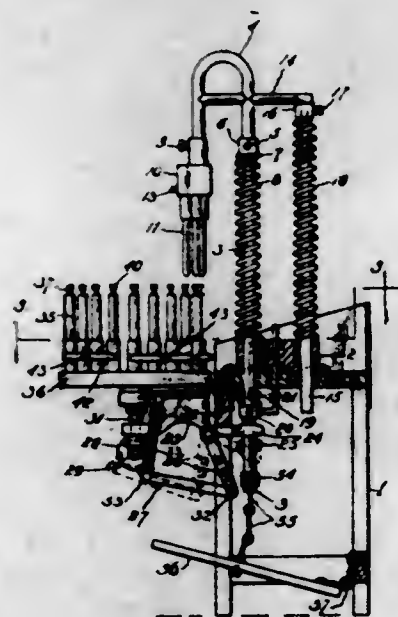
and means for removing hot spent shale; an ash pit communicating with said fire box into which hot spent shale from said fire box is continuously received, said ash pit being provided with means for introducing steam to contact hot spent shale, means for removing superheated steam and passing said superheated steam to said means for introducing said superheated steam into said retort and means for continuously removing cooled spent shale from the base of said ash pit; a superheater provided with means for passing hot flue gases from said fire box in indirect heat exchange with steam, and means for passing said superheated steam to said means for introducing superheated steam into said retort.

4. A method for the recovery of shale oil from oil shale which comprises continuously introducing oil shale into an eduction chamber, heating said oil shale with superheated steam to a temperature in the range of about 600° F. to 1200° F., thereby educting shale oil from said oil shale, separating said educted oil from carbonaceous shale and filtering said educted oil through a filter bed contained in said eduction chamber, burning said carbonaceous shale in a separate chamber to produce hot fuel gas and hot spent shale, passing said hot fuel gas in indirect heat exchange with steam thereby partially cooling said flue gas and producing a portion of the superheated steam used in the eduction step, contacting said hot spent shale in a separate chamber with steam to produce the remaining portion of the superheated steam employed in the eduction step and producing the steam supplied to each of the superheating units by contacting said partially cooled flue gases in indirect heat exchange with water.

2,434,816

GLOVE TURNING MACHINE

Stanley Suftko, Chicago, Ill.

Application September 7, 1945, Serial No. 615,058
7 Claims. (Cl. 223-40)

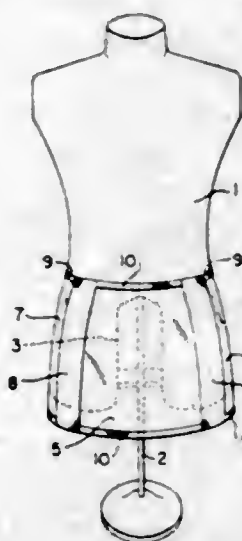
5. In a glove turning machine, a support, a plunger carried thereby yielding in adjusted position with respect thereto, prongs carried by said plunger arranged in the arc of a circle, a rotary carrier upon said support, finger tubes upon said carrier arranged in a circle common to the arc of said prongs in predetermined spaced relation thereto in the normal position of said prongs for receiving same in an altered position thereof, actuating means for said plunger including a foot pedal, a lever fulcrumed to said support with one end freely receiving said plunger, collars fast to said plunger upon opposite sides of said lever for alternate operative engagement therewith upon the down and return strokes of said plunger,

the space between said collar and lever in the normal position of said plunger being common to that between said prongs and finger tubes, guide means connecting said plunger and support, an axis carried by said support, a ratchet fast to said axis, a pawl carrier having its pawl engaging said ratchet, a link adjustably connecting said pawl carrier and lever, driving connection between said rotary carrier and said axis operative as said ratchet is moved in one direction, a contractile coil spring operatively connecting said ratchet and said support with its ends upon a common side of the center of said ratchet in one position thereof and upon opposite sides of said center in the opposite position thereof, and compressed air conduits communicating with said finger tubes.

2,434,817

MAN'S SUIT FORM EXTENDER

George Tanzer, Everett, Mass.

Application March 21, 1946, Serial No. 656,088
3 Claims. (Cl. 223-68)

1. A suit form extender adapted to be applied to the lower portion of a man's suit form for increasing the effective length of the form, said extender presenting a plurality of sections of relatively stiff but flexible sheet material each of which sections extends from the bottom edge to the top edge of the extender, an elastic strip secured to and connecting the adjacent vertical edges of adjacent sections, each elastic strip also extending from the bottom edge of the extender to the top edge thereof, a pin-receiving binding applied to the exposed edges of said sections and to which the garment to be displayed on the form may be pinned, and means to hold the extender in an adjusted position encircling the lower portion of a man's suit form.

2,434,818

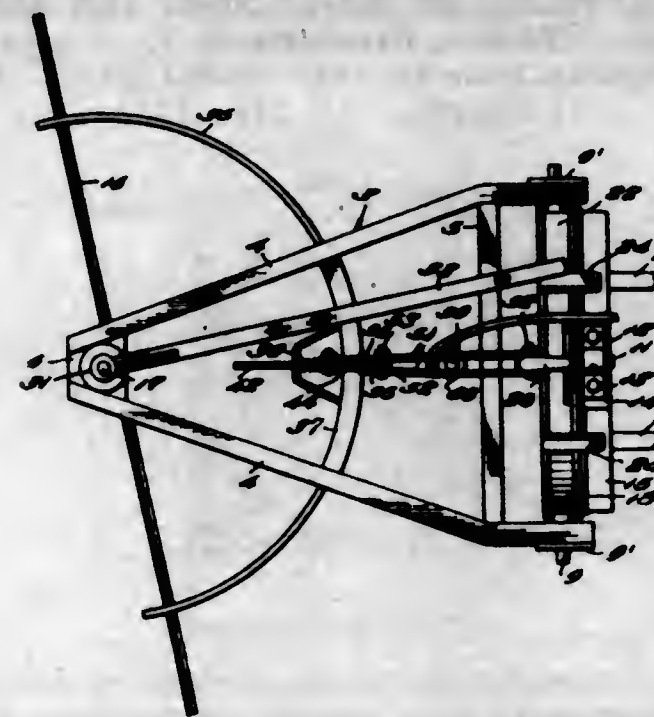
TERRACING MACHINE

Herschel H. Taylor, Jefferson City, Mo.

Application March 29, 1946, Serial No. 658,087
3 Claims. (Cl. 37-159)

1. In a terracing mechanism, for attachment to the rear of a tractor, a frame, means for attaching said frame to said tractor in rearwardly extending position for oscillation about the longitudinal axis of the frame and vertical swinging about an axis at a right angle to the axis of oscillation, manipulative means for oscillating the frame into different set positions, hydraulic means for swinging said frame, and a scraper blade mounted on the frame, the means first mentioned comprising an upwardly arched track member extending transversely of said frame and rigidly fixed to said tractor, an arcuate yoke slid-

ably mounted on said bar for endwise movement longitudinally of the same, and means for mount-

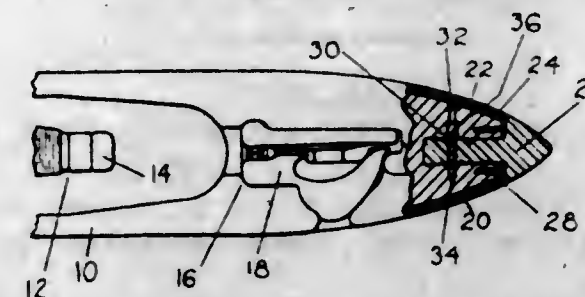


ing said frame on opposite ends of said yoke for vertical swinging on said ends.

2,434,819

SHUTTLE

Emerson B. Tift, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

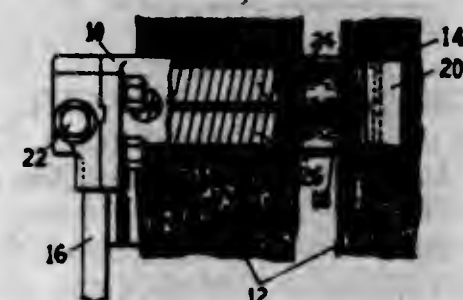
Application May 24, 1945, Serial No. 595,503
3 Claims. (Cl. 139-196)

1. In a loom shuttle, a wooden shuttle body having a recess formed therein; a metal tip having a shank seated within said recess, said shank having a transverse opening therethrough, said body having an opening aligned with said transverse opening and extending outwardly therefrom through the shuttle body to one side only thereof; a pin having a head and a portion fitting snugly in said transverse opening and extending therethrough and embedded in the shuttle body, said head of said pin being larger than said opening in said shuttle body and embedded therein; whereby said pin is secured to prevent loosening of the metal tip.

2,434,820

LOOM TEMPLE ROLL

Emerson B. Tift, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application February 1, 1947, Serial No. 725,856
9 Claims. (Cl. 139-296)

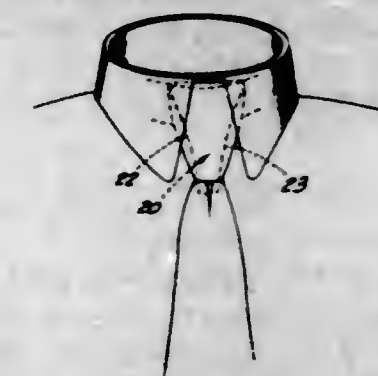
1. A loom temple roll comprising an integral body of elastic material presenting a generally

cylindrical cloth-engaging surface, said body having between its ends at least one circumferentially directed inwardly directed self-closing slit extending only partly through the body toward its longitudinal axis.

2,434,821

NECKTIE HOLDER

Francis J. Ulrich, Hollywood, Calif.

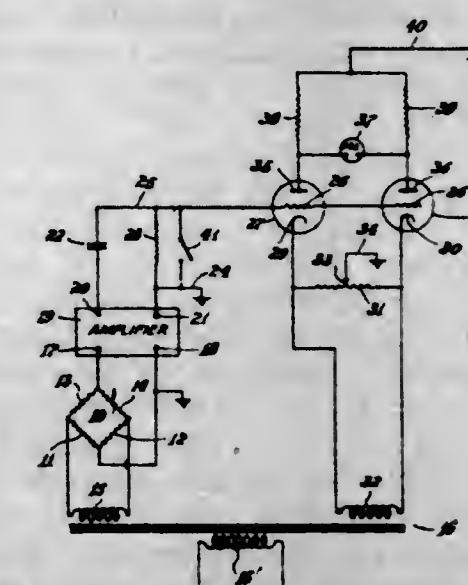
Application November 19, 1945, Serial No. 629,351
8 Claims. (Cl. 2-153)

1. A necktie holder for tying and maintaining a tie in its wearing position comprising a wire form having a central loop for attachment to a collar button, wing portions extending both laterally and downwardly from said loop, said downwardly extending portions being formed in a V-shape, and a sleeve slidable on the downwardly extending portions of said wire form, said downwardly extending portions being expanded and contracted as said sleeve is slid therealong, the tie being tied on the sleeve when in its extended position on said downwardly extending portions and said sleeve then being moved to a closed position with the tie knot in place.

2,434,822

BALANCED ALTERNATING CURRENT EXCITED VACUUM TUBE METER

John M. van Beuren, Morristown, and Elton Conrad, Boonton, N. J., assignors to Measurements Corporation, Boonton, N. J., a corporation of New Jersey

Application July 8, 1944, Serial No. 544,122
4 Claims. (Cl. 171-95)

1. Indicating device of the character described, including a pair of electronic amplifier tubes, of the hot cathode type, a source of alternating current connected between said cathodes, means for grounding the virtual electrical midpoint of said source, a direct current indicator connected between the anodes of said tubes, two resistors of substantially equal resistance connected one from each anode to the ground, whereby between said cathodes and said anodes of the respective tubes there is developed a difference of phase of substantially 180°. means for connecting the grids of

said tubes in parallel with one another, means for connecting said grids to one output terminal of the instrument of which an indication is to be obtained, means for grounding the other output terminal of said instrument, and means for supplying said instrument with alternating current of a phase and frequency harmonically related to the phase and frequency of the alternating current source connected to said cathodes, whereby alternating current appearing between said grids and ground will cause a direct current flow through said indicator connected to said anodes and will indicate phase shift by the direction of said flow, said grids being metalically connected to the respective cathodes through paths of relatively high impedance, whereby sensitivity is maintained at a high level.

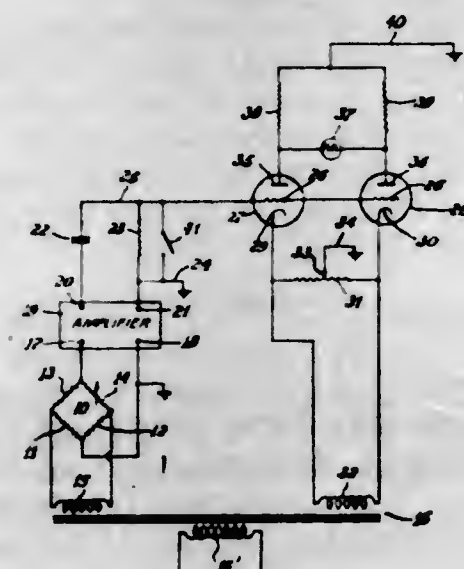
2,434,823

VACUUM TUBE METER

John M. van Beuren, Morristown, and Elton Conrad, Boonton, N. J., assignors to Measurements Corporation, Boonton, N. J., a corporation of New Jersey

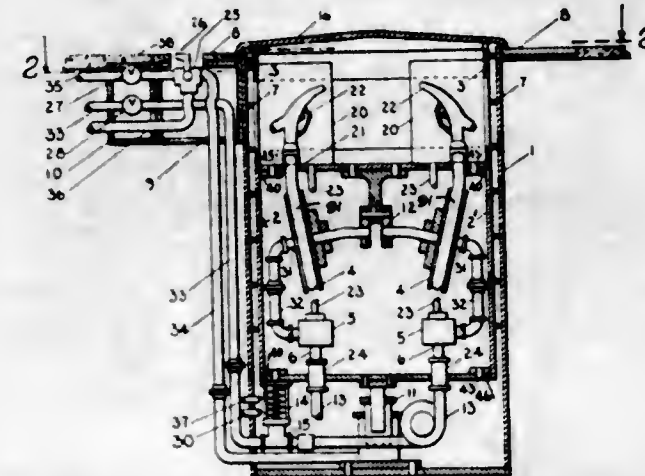
Original application July 8, 1944, Serial No. 544,122. Divided and this application December 19, 1945, Serial No. 636,034

2 Claims. (Cl. 171-95)



1. Indicating device of the character described, including a pair of electronic amplifier tubes each including a cathode, an anode and a control grid, a source of alternating current connected between said cathodes, means for grounding the virtual electrical midpoint of said source, a direct current indicator connected between the anodes of said tubes, two resistors of substantially equal resistance connected one from each anode directly to the ground, whereby between said cathodes and said anodes of the respective tubes there is developed a difference of phase of substantially 180°, means for connecting the grids of said tubes in parallel with one another, means for connecting said grids to one output terminal of the instrument of which an indication is to be obtained, means for grounding the other output terminal of said instrument, and means for supplying said instrument with alternating current of a phase and frequency harmonically related to the phase and frequency of the alternating current source connected to said cathodes, whereby alternating current appearing between said grids and ground will cause a direct current flow through said indicator connected to said anodes and will indicate phase shift by the direction of said flow, said grids being metalically connected to the respective cathodes through paths of relatively high impedance, whereby sensitivity is maintained at a high level.

2,434,824
GASOLINE DISPENSING SYSTEM
Albert E. Watts, Jr., Great Neck, and Jack R. Parker, Brooklyn, N. Y.
Application June 20, 1946, Serial No. 677,950
11 Claims. (Cl. 222-173)

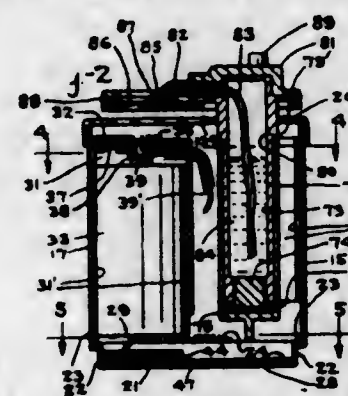


1. In a gasoline dispensing system of the character described, said system comprising a pit casing adapted to be installed below the surface of the ground, in combination with a revolvable cell body movably located in said casing, in further combination with gasoline dispensing equipment arranged in said cell body, said gasoline dispensing equipment comprising meters, self retracting hose reels with dispensing nozzles and computers, means for raising and lowering said revolvable cell body relative to said casing, said means being located beneath the center and between the bottom of said cell body and the bottom of said casing.

2,434,825
INCENSE VAPORIZER ADAPTED FOR USE AS A CIGAR LIGHTER

James T. Williams and Karl F. Riese, Minneapolis, Minn.; said Riese assignor to said Williams

Application June 26, 1941, Serial No. 399,816
8 Claims. (Cl. 21-116)

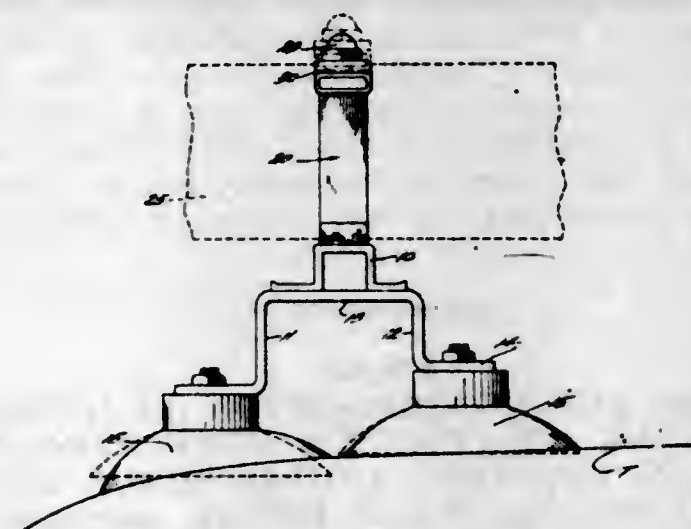


1. An incense vaporizer adapted for use as a cigar lighter, which comprises a casing having therein means for igniting and sustaining an open flame, a container in the casing adapted to hold a supply of incense liquid, a pan, means to transfer a portion of said incense liquid to the pan, and means for moving the pan and the flame relatively to bring the pan above the open flame to vaporize said portion of incense liquid.

2,434,826
AUTO TOP SKI CARRIER
Robert W. Wubben, Los Angeles, Calif.
Application April 22, 1946, Serial No. 664,127
5 Claims. (Cl. 224-29)

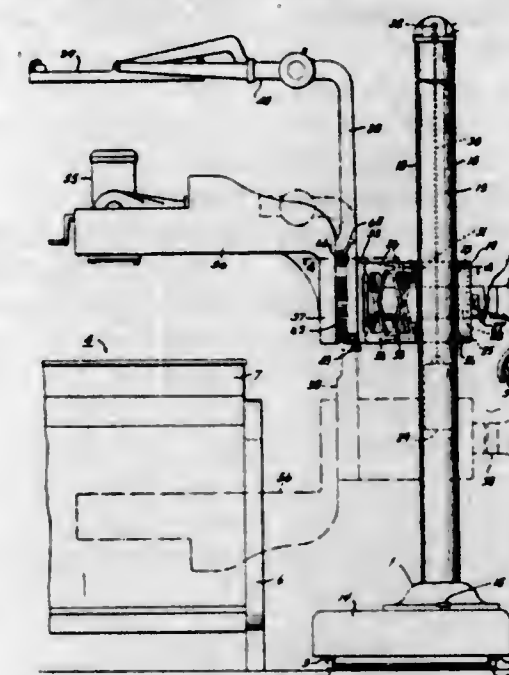
1. A ski carrier comprising a bar or support adapted to be positioned transversely of a vehicle top, means for supporting the bar on the top adjacent its ends, said bar having one or more standards thereon, each standard comprising

spaced legs against which skis of a pair may be positioned, means for retaining the lower edges of the skis adjacent the legs, and a spring-actuated cross bar on each standard adapted to



be urged into engagement with the top edges of the skis to hold them adjacent the standard, the outer ends of the cross bars being bent downwardly and being resiliently covered.

2,434,827
TUBE STAND FOR X-RAY APPARATUS
Herbert S. Akers, Woodcliff Lake, N. J.
Application December 11, 1943, Serial No. 513,873
6 Claims. (Cl. 250-52)



1. An X-ray tube stand including in combination a vertically adjustable carriage structure; a screen assembly and an X-ray tube assembly carried by said structure for relative rotation on a common axis, said assemblies respectively supporting X-ray generating means and fluoroscopic screen means in radially offset relation to said axis; means for releasably securing one of said assemblies to said structure, said means being actuable so as to release said assembly upon angular displacement of the other of said assemblies to a predetermined angular position; and, means for effecting relative angular movement of said assemblies.

2,434,828
PISTON LOCKING MEANS FOR FLUID ACTUATED JACKS
Benjamin N. Ashton, Kingston, and Nelson Kling, Great Neck, N. Y., assignors to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware
Application November 10, 1944, Serial No. 562,832
4 Claims. (Cl. 121-40)

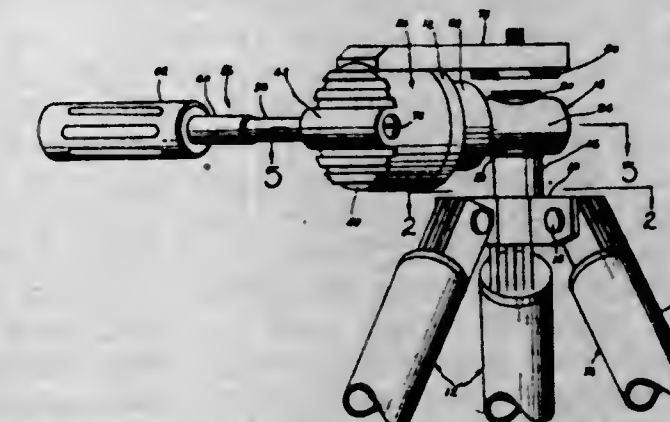
4. A fluid actuated jack comprising a cylinder having an internal recess at each end thereof, a piston slidable axially of said cylinder and hav-

ing external recesses at opposite ends thereof, the recess at one end of the cylinder being aligned with the recess at one end of said cylinder when the piston is at said one end of said cylinder, and the recess at the other end of said piston being aligned with the recess at the other end of the cylinder when the piston is at said other end of said cylinder, locking members supported loosely in said internal recesses at said one and other ends of said cylinder, a pair of piston members slidable relatively to and mounted on the exterior



of said piston, means interposed between said piston members normally urging them apart, means on one of said piston members for entering said internal recess at said one end, means on the other piston member for entering said internal recess at said other end to urge said locking members into the aligned recesses when the piston is at one end or the other ends of said cylinder, said piston members being displaceable axially by fluid pressure against the action of said urging means to release said piston for movement axially of said cylinder.

2,434,829
ADJUSTABLE TRIPOD HEAD
Louis Bentzman, Bronx, N. Y., assignor to Accmatool Co., Inc., New York, N. Y., a corporation
Application January 21, 1946, Serial No. 642,487
6 Claims. (Cl. 248-183)

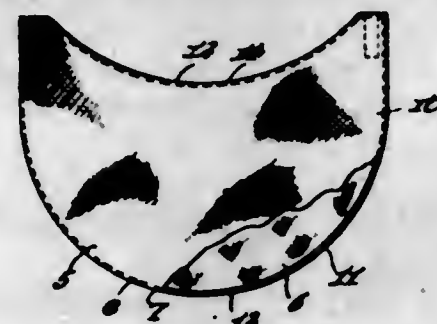


5. An adjustable head comprising two relative members mounted for rotary movement as a unit about one axis and in relation to each other about a second axis transverse to said first axis, one of said members being mounted on the other of said members for said relative rotary movement thereof and said one of said members being also movable on said second member in a direction transversely of said first mentioned axis, means coacting between said two members for effecting said movement of said one of the members transversely of said first mentioned axis, and means operative upon said last mentioned movement to lock said two members against relative movement about said second axis.

2,434,830
DISCARDABLE AND DEODORIZING GARMENT SHIELD
Martin Billins, Brooklyn, and Rose Fischer, New York, N. Y.
Application July 21, 1945, Serial No. 608,370
1 Claim. (Cl. 2-56)

A dress shield consisting of a sheet of absorbent cellulose filler material charged with deodorant and facing sheets for the opposite sides of said

sheet of said deodorant charged cellulose filler material completely enclosing the filler material, said filler material being of uniform thickness and the combined sheets being folded along a transverse line to provide approximately equal wings having convex curved outer edges and a concave folding line, the shield being provided at



each end of the folding line with a U-shaped attaching strip provided with adhesive on its opposite sides and united by one of said sides to the shield and presenting confronting adhesive faces adapted to be united to the bend of a garment in its arm hole to hold the shield in service position in said garment.

2,434,831

UMBILICAL CLIP AND HOLDER FOR SAME

Julius Brandenburg, New York, N. Y.
Application April 24, 1946, Serial No. 664,519
9 Claims. (Cl. 128—346)

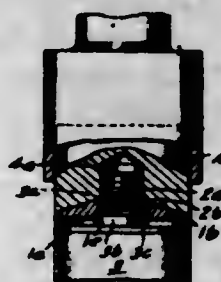


1. An umbilical clip comprising a pair of opposed legs, opposed openings in alignment adjacent the ends of said legs, a projection bent inwardly from one of said legs adjacent one of said openings, a longitudinal blade bent inwardly from one of said legs and at right angles thereto, an opening opposite and in alignment with said projection adapted to receive said projection, a longitudinal slot slightly wider than the thickness of said blade permitting said blade to pass into said slot, whereby when said opposed legs are compressed said blade will enter said slot and said projection will pass through said opposed opening and when bent will hold the legs of said clip firmly together.

2,434,832

METHOD FOR SECURING THE NOZZLE PORTION TO THE BODY PORTION OF COLLAPSIBLE TUBULAR CONTAINERS

Otto Johannes Bruun, Stoke Poges, England
Application January 11, 1943, Serial No. 472,033
In Great Britain May 22, 1942
5 Claims. (Cl. 29—148.2)



1. A method of immovably securing the nozzle portion to the body portion of a collapsible tubular container, so that a leak-proof seal is formed between said two portions, said body portion being of relatively soft metal and said nozzle portion being of a different and harder material than that of the body portion, which comprises form-

ing said body portion with an intumed shoulder which has a central aperture completely through it and whose thickness increases towards the centre to at least three millimeters at the edge of said aperture, forming said nozzle portion with an extended base whose cross-section is larger than said aperture, heating said body portion to a temperature whereby said aperture is expanded and the surrounding metal softened, forcing said base into said aperture, whereby said aperture and the surrounding metal is further expanded, and cooling said body portion.

2,434,833

PROCESS FOR CONDENSATION OF HYDROCARBONS BY CONTACT WITH CONCENTRATED SULFURIC ACID IN SILICA GEL

Frank G. Clapetta, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Original application July 9, 1942, Serial No. 450,338. Divided and this application May 27, 1944, Serial No. 537,734
7 Claims. (Cl. 260—671)

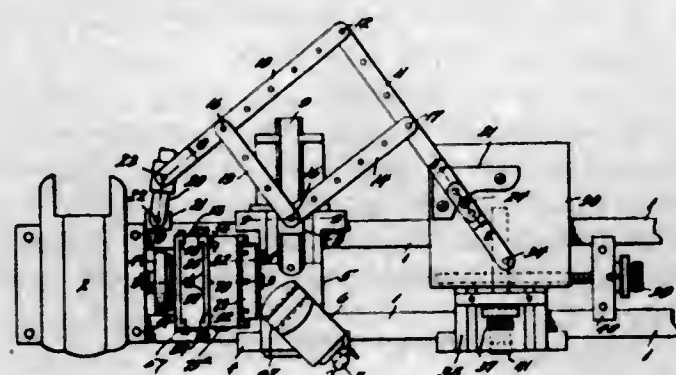
1. The method of effecting reaction between organic compounds susceptible of reaction in the presence of a concentrated sulfuric acid catalyst, which comprises bringing said organic compounds into intimate contact with silica gel having an initial water content of 3% to 15% by weight impregnated with sulfur trioxide in quantity sufficient to unite with the water content of said gel to form 100% sulfuric acid in the pores of said gel, and removing from contact with said impregnated gel, the reaction product of said organic compounds.

4. The method of alkylating an aromatic hydrocarbon with an olefin, which comprises bringing a mixture of said aromatic hydrocarbon and said olefin into intimate contact with silica gel having an initial water content of 3% to 15% by weight impregnated with sulfur trioxide in quantity sufficient to unite with the water content of said gel to form 100% sulfuric acid in the pores of said gel, and removing from contact with said impregnated gel, the resulting alkylated aromatic hydrocarbon.

2,434,834

LATHE ATTACHMENT

Joseph A. Civitarese, Lodi, N. J.
Application September 18, 1944, Serial No. 554,665
19 Claims. (Cl. 51—100)



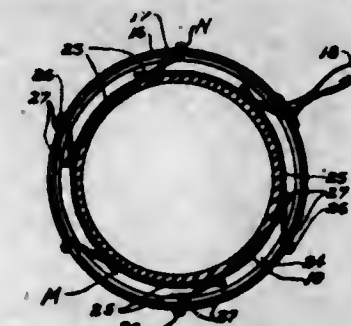
1. An attachment for a lathe having a bed provided with longitudinal ways, a carriage freely movable longitudinally on the ways and mounted directly thereon, a cross slide mounted slidably on the carriage and freely movable thereon transversely of the bed, a tool slide carried by the cross slide and slidable in different angular directions thereon, a tool carried by the tool slide, a template support mounted directly on the ways of the lathe bed, means mounted on the bed for supporting a work-piece for opera-

tion of the tool thereon, and a pantograph having one pivot thereof supported on the lathe bed and another pivot thereof connected to the cross slide, and having a tracer to cooperate with a template on the template support.

2,434,835

VARIABLE FLUID PASSAGE

Russell S. Colley, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 4, 1946, Serial No. 667,339
8 Claims. (Cl. 138—45)

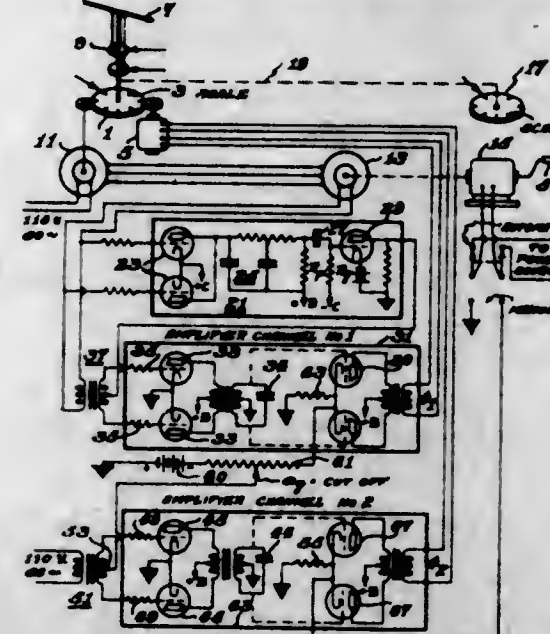


1. A fluid passage comprising a pair of relatively movable sleeves, a flexible lining mounted in said sleeves, and means for moving a portion of said lining to change the area of the passage, said means comprising a plurality of elements at the outside of said lining, each element being secured to both said relatively movable sleeves.

2,434,836

SELSYN-CONTROLLED ELECTRIC MOTOR SYSTEM

James W. Conklin, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1941, Serial No. 408,897
6 Claims. (Cl. 318—30)

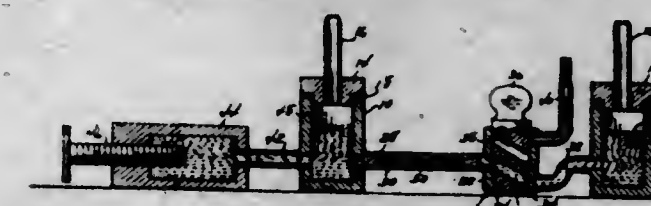


1. A position control system including a control element, a controlled element, a motor for driving said controlled element, means responsive to the relative displacement of said elements for deriving currents proportional to said displacement, a rectifier, differentiating means for applying said derived currents to said rectifier to obtain therefrom rectified currents corresponding to the rate of said displacement, a first amplifier channel for amplifying said derived currents and applying said amplified currents to said motor, means for applying the said rectified currents to said amplifier to control its gain, a second amplifier channel for applying additional currents to said motor, and means including said first amplifier channel for controlling the gain of said second channel as a function of the rectified output of said first channel.

2,434,837

NULL-TYPE DIFFERENTIAL MICRO-MANOMETER

Richard O. Cornett, Cambridge, Mass.
Application January 11, 1944, Serial No. 517,847
6 Claims. (Cl. 73—401)

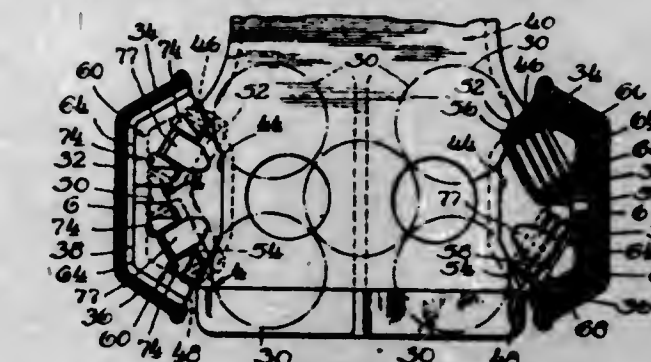


5. A differential pressure instrument comprising a liquid containing transparent capillary tube having an air bubble therein, liquid containing chambers of identical but greater diameters than said tube communicating with the respective ends of the tube, means for connecting the pressure differential to be measured to said chambers, a liquid containing reservoir communicating with one of said chambers, a screw actuated liquid displacement means extending into said reservoir for supplying and removing liquid with respect to the said one chamber for controlling the movement of said air bubble, and an air introducing valve interposed between said chambers and having controlled communication with said tube.

2,434,838

CAR TRUCK

Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 21, 1944, Serial No. 532,039
31 Claims. (Cl. 105—197)



9. In a railway car truck, a side frame comprising spaced columns and an intervening bolster opening, each column having a transverse wall and spaced webs converging toward their juncture therewith, a bolster resiliently supported on said frame in said opening, a pair of spaced friction shoes interlocked with each side of said bolster and each frictionally engaging angularly arranged friction surfaces on the wall and one web of the adjacent column, and a spring compressed between each shoe and an abutment surface on said bolster.

2,434,839

PROCESS FOR TREATING HYDROCARBONS

Oris L. Davis, Oakland, and Alan C. Nixon, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application October 27, 1943, Serial No. 508,089. Divided and this application June 10, 1946, Serial No. 675,838
13 Claims. (Cl. 196—44)

1. In a process for treating a mixture comprising hydrocarbons with an aqueous alkaline treating solution of a compound selected from the group consisting of alkaline alkali metal compounds and alkaline ammonia compounds, whereby two phases are produced, in which process a

relatively stable dispersion of one phase in the other is produced by the action of impurities formed as a result of reactions of components of said mixture, the method of reducing the stability of such a dispersion which comprises effecting said treating in the presence of a relatively small amount of not more than about 1% by volume of said mixture of an organic surface-active agent having at least 8 carbon atoms per molecule and a molecular weight below 1000, said agent being soluble or spontaneously dispersible colloiddally in said aqueous treating solution and substantially insoluble in said mixture, and being an unsubstituted aliphatic alcohol having between 8 and 14 carbon atoms per molecule.

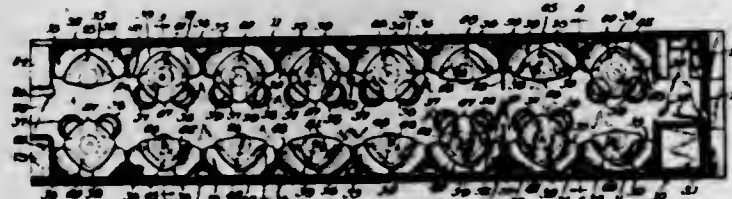
2,434,840

WITHDRAWN

2,434,841

RAILWAY DINING CAR

Francis J. Dittrich, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application February 28, 1944, Serial No. 524,331
4 Claims. (Cl. 105-327)



1. In a railway car of standard width having opposite side walls, identical seating facilities disposed along opposite portions of said side walls, each comprising a pair of straight elongated seats arranged at an angle to each other and obliquely with relation to one of said walls, with the junction of the front edges of the seats spaced from said wall by a distance less than the width of a seat at a point directly opposite the corresponding junction of the front edges of the pair of seats adjacent to the other side wall, seat backs paralleling the front edges of the seats and intersecting the adjacent side wall at spaced points along said wall, a substantially rectangular table having two of its sides arranged substantially parallel to the seats of one of said pairs and having the corner defined by said sides juxtaposed to the junction of the front edges of said seats, and a substantially triangular table having two of its sides arranged substantially parallel to the seats of the other pair and having the corner defined by said sides juxtaposed to the junction of the front edges of said seats, whereby the tables at opposite sides of the car are set in close proximity to the side walls and a car aisle passageway is formed between a side of a substantially triangular table and a corner of a substantially rectangular table.

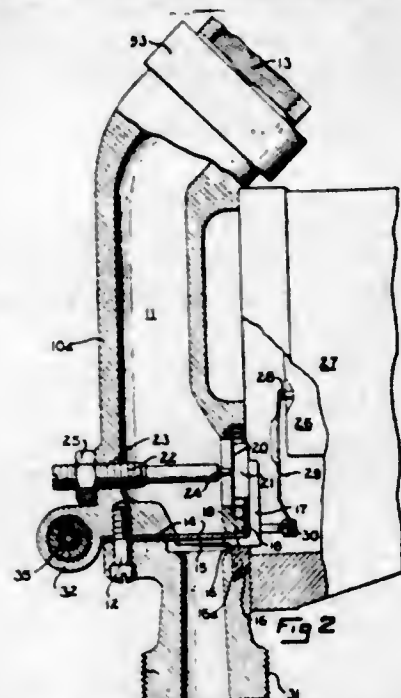
2,434,842

PNEUMATIC SOUND PRODUCING DEVICE

William C. Eaves, Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., New York, N. Y., a corporation of Delaware
Application January 1, 1942, Serial No. 425,369
5 Claims. (Cl. 179-108)

1. In a sound reproducing device of the fluid flow type comprising a housing, a fluid passage in said housing and valve means adapted to modulate the flow of a fluid stream through said

passage, heating means carried by said housing, said heating means comprising an exposed

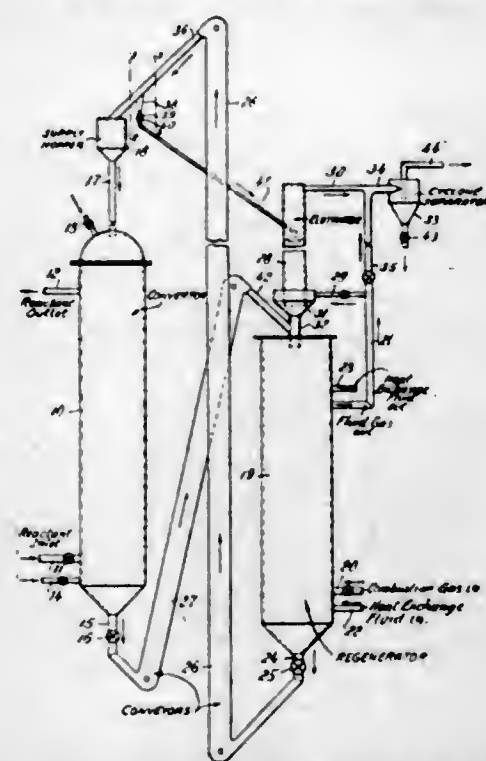


heating coil disposed in said passage to extend angularly in the direction of said valve means on the high pressure side thereof.

2,434,843

METHOD FOR HYDROCARBON CONVERSION IN PRESENCE OF PARTICLE FORM CATALYSTS

Frank C. Fahnestock, Manhasset, and Walter Ullrich, Pleasantville, N. Y., assignors of one-half to Socony-Vacuum Oil Company, Incorporated, a corporation of New York, and one-half to The Lummus Company, a corporation of Delaware
Application January 29, 1946, Serial No. 644,130
9 Claims. (Cl. 196-52)



1. In a hydrocarbon conversion process wherein particle form contact mass material is passed cyclically through a hydrocarbon conversion zone and a contact material regeneration zone through which zones it moves as a substantially compact column of solid particles, the method for removing fines resulting from attrition of the cyclically flowing contact material which method comprises the steps of passing the cyclically moving stream of contact material downwardly along an inclined, elongated chute so as to cause a concentration of the fines along the underside of said stream, withdrawing contact material containing some of the largest sized particles along with said concentration of fines from the bottom of said chute at a location near its lower end at a rate amounting to only a minor fraction

of the total rate of contact material flow through said chute, effecting the separation of fines from said withdrawn contact material and returning contact material containing said largest sized particles substantially freed of fines to the cyclically moving stream of contact material while excluding the return of said separated fines.

2,434,844

FASTENING DEVICE

Laurence H. Flora, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 8, 1945, Serial No. 627,400
5 Claims. (Cl. 151-21)

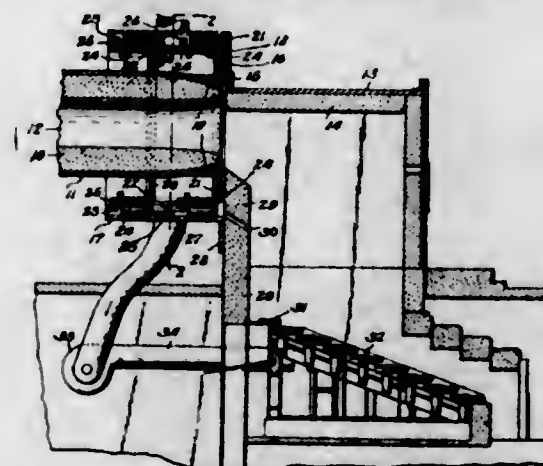


1. A fastening device comprising a sheet metal body having an aperture defining a nut and spring elements projecting therefrom comprising marginal portions of said aperture, said spring elements adapted to resiliently engage only the leading surface of a thread of a screw while only the following surface is engaged by the nut.

2,434,845

COOLING MEANS FOR ROTARY KILN NOSE RINGS

Joseph B. Gaffney, Hokendauqua, Pa., assignor to Fuller Company, Borough of Catasauqua, Pa., a corporation of Delaware
Application December 15, 1943, Serial No. 514,367
8 Claims. (Cl. 263-44)



4. In a kiln installation including a rotary kiln having a nose ring at its discharge end, the combination of a casing into which the nose ring extends, a pair of longitudinally-spaced, outwardly-extending rings mounted on the nose ring to encircle the latter, one of the rings being secured to the nose ring close to its end, a pair of longitudinally-spaced, inwardly-extending rings movably mounted on the inner wall of the casing to engage respective rings of the first pair, means for maintaining the pairs of rings in contact during rotation of the kiln, the pairs of engaging rings, the nose ring, and the inner wall of the casing defining a substantially closed air chamber, and means for causing air to flow through the chamber to cool the nose ring.

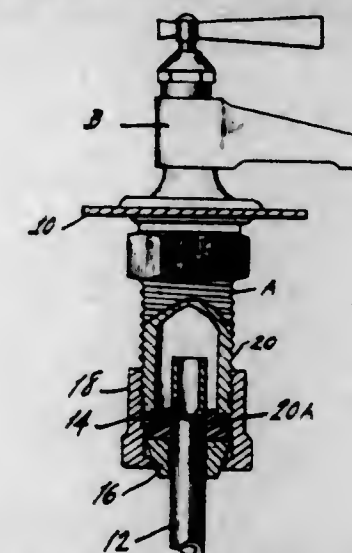
2,434,846

PIPE COUPLING FOR FAUCET CONNECTIONS

John J. Hagan, Philadelphia, Pa.
Application March 1, 1947, Serial No. 731,798
2 Claims. (Cl. 285-90)

1. An adjustable pipe connector for connecting a pair of pipes, one of which has a threaded end,

comprising a cap element adapted to screw upon said threaded end of one pipe, the top portion of said cap defining a central aperture, a compressible and tapered sleeve element adapted to partway enter said threaded end of said one pipe, and having a bore adapted to encircle the second

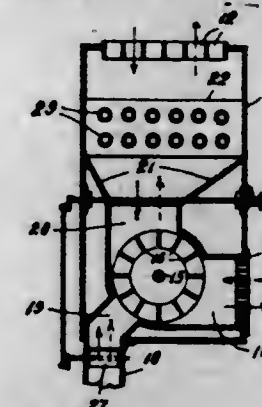


of said pair of pipes, and a tapered and split element having a threaded bore, which bore is also adapted to encircle the second of said pair of pipes, and which sleeve has an end adapted to partway enter the aperture defined by the top of said cap.

2,434,847

AIR CONDITIONING UNIT HAVING A REVERSIBLE FAN WHEEL

Harold F. Hagen, Wellesley, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application March 9, 1945, Serial No. 581,868
3 Claims. (Cl. 98-38)



1. An air conditioning unit having an upper opening and a lower opening, a centrifugal fan in said unit, said fan having a reversible fan wheel and having a casing therearound, said casing having two peripheral openings therein, means defining an air passage connecting one of said peripheral openings with said upper opening, means defining a second passage connecting the other of said peripheral openings with said lower opening, said unit having a primary air inlet opening, said fan having a fan inlet opening between said peripheral openings, and means defining a third air passage connecting said fan inlet opening with said air inlet opening, said means isolating the air in each of said passages from the air in the others of said passages except through said fan.

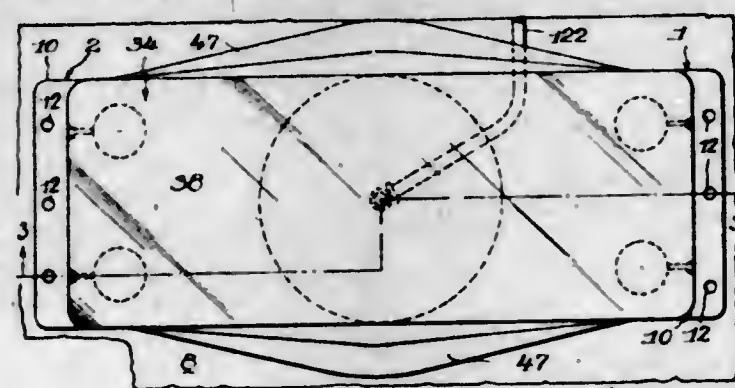
2,434,848

HYDRAULIC SAFETY BED

Reha J. Hess, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 26, 1943, Serial No. 492,363
8 Claims. (Cl. 267-1)

6. In a portable hydraulic unit of the class described, upper and lower members, said members

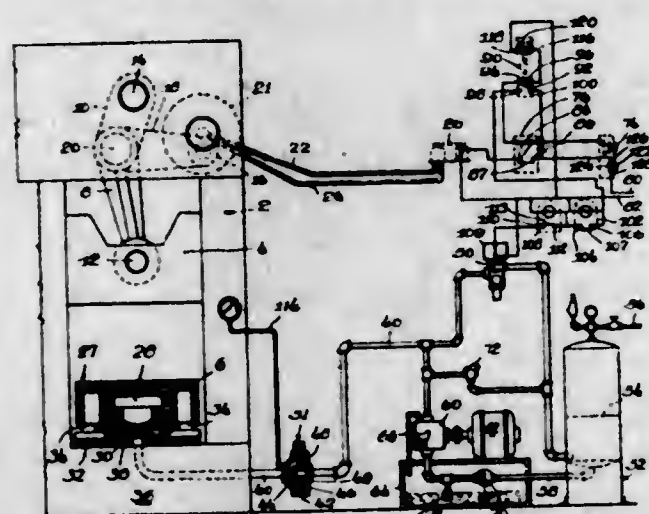
comprising, respectively, top and bottom substantially flat uninterrupted surfaces, the lower member having a base plate affording a seat for the unit on an associated bolster plate, and the upper member having a top web affording a seat on the top thereof for an associated die, a ram mounted on said lower member, a plurality of upstanding bosses on said lower member and each having a



vertical opening, said upper member having a cylinder for the reception of said ram, a plurality of depending bosses on said upper member, guide means mounted on said depending bosses and slidably received within said openings, and means on said lower member slidably interlocked with said upper member for limiting expansion of the unit, all of said means being entirely disposed intermediate said top and bottom surfaces.

2,434,849 PRESS

Reiza J. Hess, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 16, 1944, Serial No. 540,608
20 Claims. (Cl. 18-16)



1. In a press, opposed platens, mechanical actuating means for reciprocating one of said platens, hydraulic motor means operatively associated with the other platen and including a cylinder and a ram slidably fitted therein, a fluid supply line connected to said cylinder, means for supplying hydraulic fluid under pressure to said line, a holding valve in said line between said cylinder and said last-mentioned means, said valve being adapted to accommodate flow of fluid therethrough in either direction whenever the pressure in said line reaches a predetermined value, and said valve being adapted to accommodate flow of fluid therethrough in the direction toward said cylinder when the pressure afforded by said supplying means is greater than that within said cylinder and greater than a predetermined value substantially lower than said first-mentioned value, said supplying means comprising a hydraulic circuit including a pump having its suction side connected to a reservoir of hydraulic fluid and its discharge side connected to said line, and fluid passage means including a by-pass valve connecting said reservoir to said

line at a point between said pump and said holding valve, said reservoir including means for exerting a pressure on the fluid therewithin, said last-mentioned pressure being substantially less than said first-mentioned value and greater than said second-mentioned value, and electrically operated control means operatively associated with said actuating means for automatically rendering the same inoperative when said one platen reaches its advanced position, said control means including means for automatically closing said by-pass valve after a predetermined interval of time subsequent to the time at which said one platen reaches said advanced position.

2,434,850 PROCESS FOR PRODUCTION OF FORMALDEHYDE

Carroll A. Hochwalt, Rahn Road, and Carlyle J. Stehman and Roy W. Sudhoff, Vanburen Township, Montgomery County, Ohio, assignors to Monsanto Chemical Company, a corporation of Delaware
Application March 6, 1942, Serial No. 433,648
7 Claims. (Cl. 260-604)

1. In the process for producing formaldehyde by the partial oxidation of normally gaseous aliphatic hydrocarbons in which a preheated gas mixture containing said hydrocarbons is oxidized and formaldehyde produced, the step of reacting said gases after preheating and during oxidation, in a reaction zone in contact with surfaces composed of the heat reaction product of phosphoric acid upon iron.

2,434,851 COMPOSITE WOOD AND METAL SKI

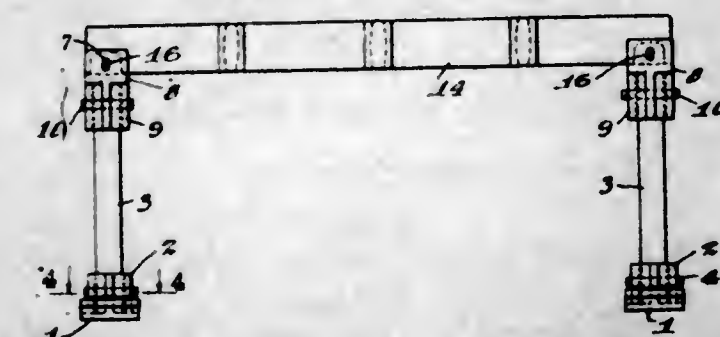
Christian K. Hoerle, Torrington, Conn.
Application December 4, 1943, Serial No. 512,865
9 Claims. (Cl. 280-11.13)



9. In a ski, an elongated metal base having upturned sides, a filler block seated within said base and fitted within the sides thereof, means to secure said filler block to said base, a pair of inverted metallic cover members having downturned sections to embrace the front and rear portions of said filler block, said downturned sections being telescoped with respect to the upturned sides of said base, and means to secure the sides of said cover members to the upturned sides of said base.

2,434,852 GRID HEARTH

Harold F. Jackson, Springfield, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application October 16, 1946, Serial No. 703,625
7 Claims. (Cl. 263-47)

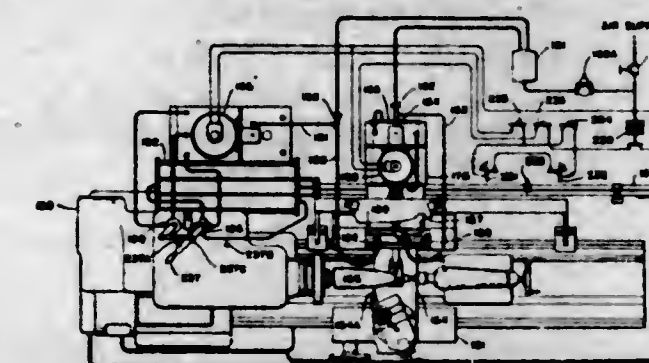


3. In a grid hearth of the class described, a pair of transversely spaced skid-bars each having a plurality of upwardly opening longitudi-

nally spaced sockets, legs mounted at their lower ends in said sockets and connected to the socket walls for limited movements relative thereto, a top rail supported above each skid-bar in parallel relation thereto by the legs rising therefrom and having downwardly opening sockets loosely receiving the upper ends of the legs, said rails and legs being connected together for limited relative movements, and a series of parallel grid-bars transversely connecting said rails adapted to rest thereon and having loose connection therewith.

2,434,853 MACHINE TOOL CONTROL

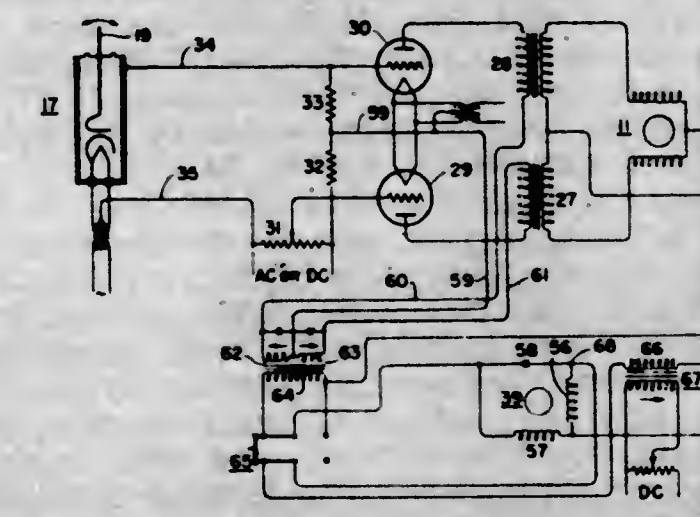
Clarence Johnson, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application March 20, 1941, Serial No. 384,375, now Patent No. 2,372,426, dated March 27, 1945. Divided and this application April 18, 1944, Serial No. 531,549
7 Claims. (Cl. 90-62)



1. A tracer mechanism for producing a control effect corresponding to the profile of a pattern, comprising, a housing, a feeler adapted to scan the profile of the pattern and mounted in said housing with capacity for lateral movement in any direction in one plane, means mounted in said housing arranged for axial movement and adapted to establish a control effect, means co-operating with said feeler and first means for translating a lateral movement of said feeler in any direction to an axial movement of said first means, and a nozzle discharging a pressure fluid to atmosphere, said axially positionable means arranged to vary the rate of discharge.

2,434,854 TUBE CONTROLLED WORK AND FEED MOTOR SYSTEM

Raymond D. Junkins and Anthony J. Hornfeek, Cleveland Heights, Ohio, assignors to Bailey Meter Company, a corporation of Delaware
Application December 4, 1943, Serial No. 512,854
3 Claims. (Cl. 318-39)



2. A control means for relatively movable parts of a machine, motive means for providing said relative motion, said motive means including a
606 O. G.-32

first and a second variable speed electric motor arranged to provide said relative movement along first and second paths, respectively, tracer control means including pattern means and electric tracer means therefor, means for providing a fixed relationship between said pattern means and one of said parts, means for providing a fixed relationship between said electric tracer means and another of said parts, said electric tracer means having two parts adapted to have a variable current flow therebetween, a network for determining the speed of the first motor and the speed and direction of the second motor, said second motor having first and second fields each with first and second ends, said network including a voltage supply source for said motors, means for connecting said first ends of said fields to one side of the voltage supply source, first and second thermionic tubes each having first and second electrodes, common interconnecting means for interconnecting said first electrodes, output circuit means including variable impedance means for connecting said interconnected first electrodes to each of said second electrodes, first circuit means for connecting said electric tracer means to said network for varying the differential output of said tubes, second circuit means for connecting said output circuit means between the other side of said voltage supply source and said second ends of said fields whereby the differential output governs the speed and rotational direction of said second motor, and third circuit means for connecting said variable impedance means between said voltage supply source and said first motor for governing the speed of said first motor in accordance with the impedance of said variable impedance means.

2,434,855 PROCESS OF COATING METAL ARTICLES

Jose L. Teran Kosterlitzky, Guadalajara, Mexico
No Drawing. Application October 11, 1946, Serial No. 702,581
3 Claims. (Cl. 117-130)

2. The herein described process of plating a metal article which comprises rubbing upon the surface of such article, with an applicator which is wet with an aqueous liquid, a composition which contains:

	Parts
Ferrous chloride and stannous chloride.....	22
Metallic zinc in powder form.....	About 10
Potassium bitartrate.....	15 to 25
Ammonium chloride.....	7 to 12
Nickel sulphate.....	21 to 35
Nickel ammonium sulphate.....	41 to 59
Sodium chloride.....	4.5 to 7.5
Copper sulphate.....	5 to 11

such composition when in powdered dry form being substantially stable in air of ordinary moisture content.

2,434,856 TETRAHYDOPYRAN COMPOUND

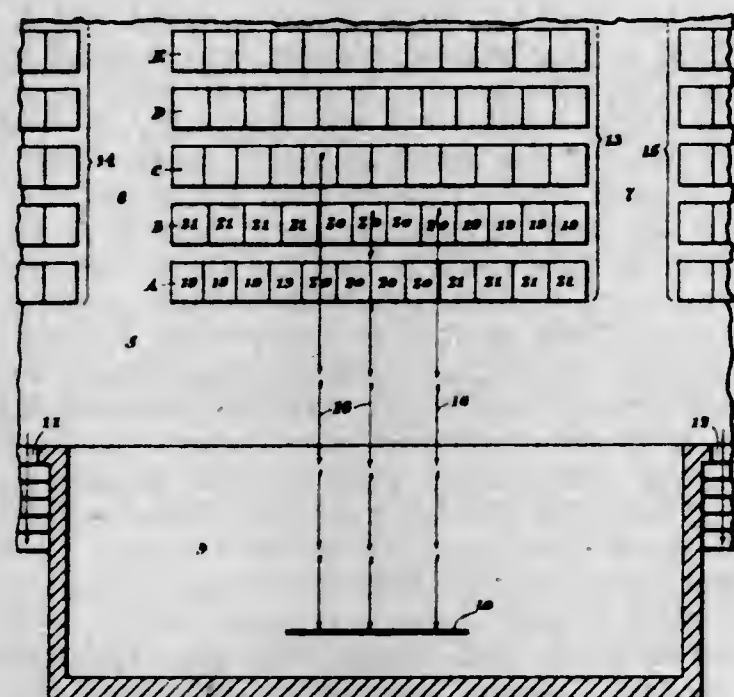
Frederick B. La Forge, Arlington, Va., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Original application October 4, 1944, Serial No. 557,215. Divided and this application April 25, 1947, Serial No. 743,907
1 Claim. (Cl. 260-338)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
Alpha-(3,4-methylenedioxyphenyl) tetrahydropyran.

2,434,857

SEATING ARRANGEMENT

Alfred O. Larson, Grand Rapids, Mich., assignor to American Seating Company, Kent County, Mich.

Application February 28, 1945, Serial No. 580,171
4 Claims. (Cl. 20-1.12)



1. In combination with a theater having a seating zone, substantially parallel forwardly-rearwardly extending aisles therein, and a front zone of visual attraction; a seating arrangement comprising rows of seats extending laterally from aisle to aisle, said seats being of more than one width and being arranged with equal groups of uniform relatively narrow seats in corresponding end sections of alternating rows, equal groups of uniform relatively wide seats in the opposite end sections of said alternating rows, and a reverse disposition of seats in the intervening rows, all of said rows thus containing the same number of seats and thus being of equal length, and all of said rows being positioned with their opposite ends in substantial longitudinal alignment along the aisles, the different seat widths being such in relation to the length of the rows and the number of seats per row that the center of every seat in every row is offset from the lines of sight extending directly forwardly from the centers of the seats in the next row to the rear and such that the amount of offset is maximum in the middles of said rows.

2,434,858

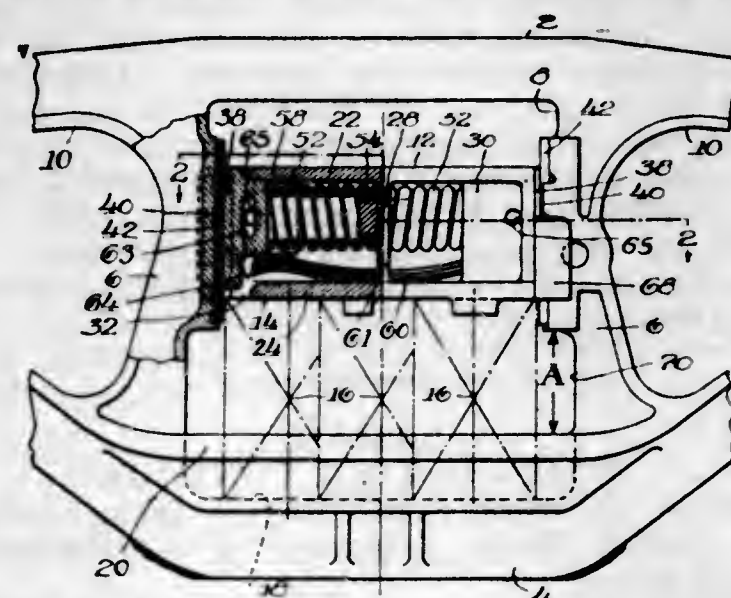
RIDE CONTROL TRUCK

Egbert J. Maatman and Claus J. Werner Clasen, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application March 26, 1945, Serial No. 584,790
28 Claims. (Cl. 105-197)

18. In a railway vehicle, a supporting member having spaced vertical columns, a supported member spring-supported on said first-mentioned member between said columns, friction shoes pocketed in said supported member at opposite sides thereof and slidably seated on substantially horizontal surfaces thereof, a resilient member fulcrumed intermediate its ends on said supported member and urging each shoe into engage-

ment with its associated surface, and resilient means compressed between said shoes and opera-



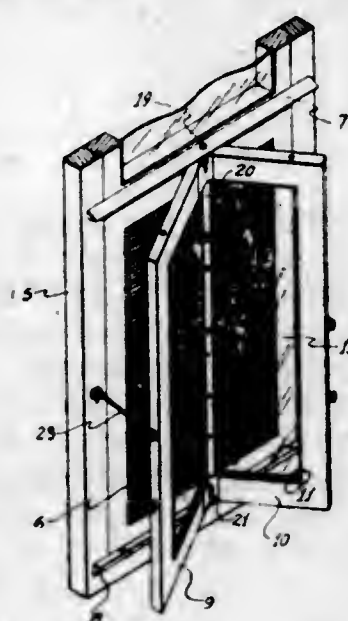
tive to urge said shoes into engagement with said columns.

2,434,859

WINDOW STRUCTURE

Arthur J. McLoughlin, Elmhurst, N. Y.

Application October 31, 1945, Serial No. 625,757
8 Claims. (Cl. 160-92)



1. The combination with a combination storm and screen window frame of a pair of spaced mouldings carried by the exterior of the frame, a pair of swingable half sashes, complementary hinge sections mounted on the adjacent terminals of the sashes, and a pivot rod extending through the mouldings and the hinge sections.

2,434,860

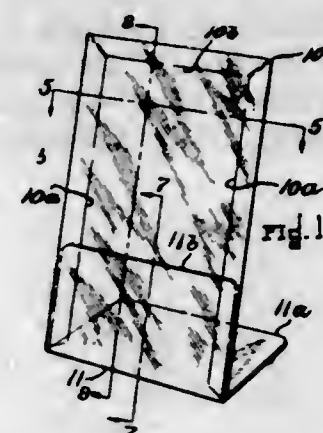
EASEL

John H. Oxley, Watertown, Mass.; Janet M. Oxley, executrix of said John H. Oxley, deceased, assignor to John H. Oxley Company, Watertown, Mass., a corporation of Massachusetts

Application July 26, 1944, Serial No. 546,625
1 Claim. (Cl. 248-34)

An easel comprising a rectangular frame member and a base member, said frame member being made from a single piece of transparent sheet material and including a flat body portion provided at its top and opposite sides only with integral narrow resilient independently flexible and inwardly bent marginal clamping flaps disposed upon the rear side of said body portion and by which a photograph or the like is gripped and held in position against the rear side of said body portion, and said base member being a single piece of sheet material bent transversely to provide the same with two flat wings that

are relatively disposed at an acute angle, one of said wings being slidable edgewise into position beneath the lower end portions of the side flaps of said frame member behind the photograph or the like so that both said wing and said photo-



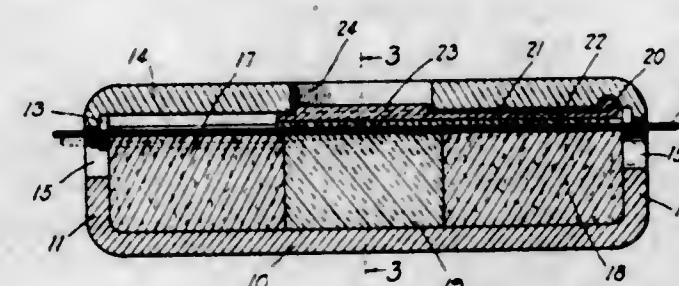
graph or the like are gripped and held by said side flaps, and the other wing serving as a base to support said frame member and its contents in an up-standing rearwardly canted position with the center of gravity thereof directly above said other wing.

2,434,861

COMBINATION APPLICATOR AND LINE DRESSING CONTAINER

Leo Pachner, Chicago, Ill.

Application April 11, 1945, Serial No. 587,800
3 Claims. (Cl. 91-62.5)



1. A device of the kind described, comprising a box-like container having an open top and adapted to confine a compound for exposure through the open top, key hole slots in the end walls of said container for passing a line there-through, a cover removably fitting the open top, a presser blade movably fitted within the cover for pressing a line against the compound, the cover being provided with a window, and a finger engaging button on the blade and exposed through said window.

2,434,862

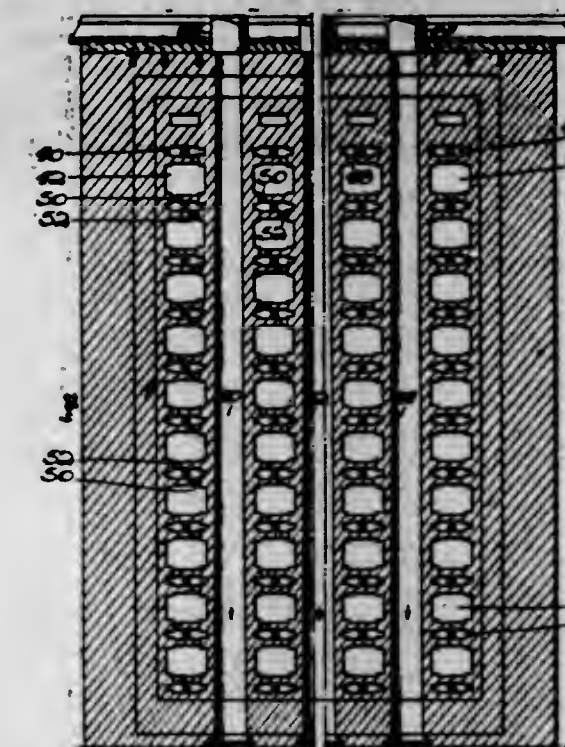
VERTICAL COKE OVEN WITH REGENERATOR

Grady Padgett, Beaver, Pa.

Application June 30, 1943, Serial No. 492,915
3 Claims. (Cl. 202-123)

1. A vertical coke oven comprising a coking chamber, continuous combustion flues extending horizontally across a side wall of said chamber, a plurality of regenerators at each end of the chamber, and means for introducing air and combustible respectively through alternate regenerators at one end of the chamber into said combustion flues, said means comprising distributing flues above and below each combustion flue, substantially coextensive therewith and communicating with each adjacent combustion flue at a plurality of points along its length, alter-

nate of said distributing flues communicating with alternate of said regenerators, the remain-



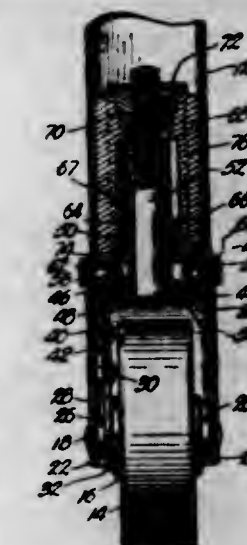
ing of said distributing flues communicating with the remaining of said regenerators.

2,434,863

CASTER

Frederic W. Parkhill, Wichita, Kans., assignor of one-fourth to Harman R. Brown and one-fourth to Walter E. Ludwig, both of Kansas City, Mo.

Application July 30, 1943, Serial No. 496,756
3 Claims. (Cl. 16-35)



1. In a caster wheel assembly having a tubular radially expansible jaw adapted to fit into a tubular member, and a wheel casing; means for interconnecting the said jaw and the casing unit, comprising a threaded bolt extending longitudinally through the tubular member; an expander nut on the bolt at one end of the jaw; a cupped retainer having a perforated, tapered boss on the bottom thereof secured to the bolt with the latter passed through the perforation; a sleeve rigid to the said casing, circumscribing the bolt and in telescoping relation with the boss; and a bearing carried within the retainer to rest upon the said casing.

2,434,864

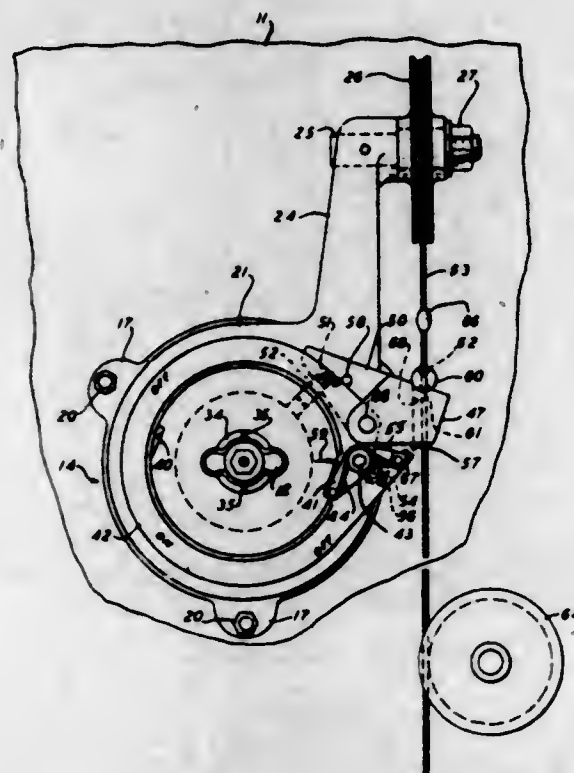
APPARATUS FOR DETECTING IMPERFECTIONS IN FILAMENTARY MATERIALS

Paul E. Powell, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 11, 1946, Serial No. 682,891
13 Claims. (Cl. 66-166)

1. An apparatus for detecting imperfections in filamentary materials, which comprises a size-

gauge having a bore substantially equal to the diameter of the filament being inspected thereby, means for advancing a filament through said size-gauge bore, manually operable switching means for controlling the operation of the filament advancing means, means for latching the switching means in a near-off position when the

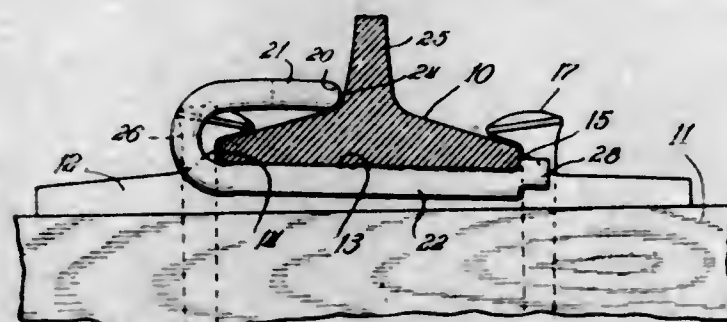


filament is being advanced through the size-gauge bore, and means associated with the size-gauge for releasing the latching means and for automatically actuating the switching means to a full-off position when the filament being inspected contains an imperfection which will not pass through the size-gauge bore.

2,434,865

TWO-WAY RAIL ANCHOR

Frederick A. Preston, Lake Forest, and Harold G. Warr, Park Ridge, Ill., assignors, by direct and mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application August 9, 1944, Serial No. 548,648
5 Claims. (Cl. 238—327)



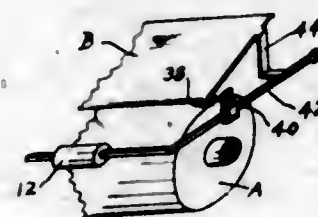
1. A unitary device adapted to cooperate with a railroad rail supporting structure to resist both forward and rearward movements of the rail relative to said supporting structure, comprising two body portions for extending transversely of the rail beneath the base thereof and a connecting bar for connecting said body portions; the said body portions being positioned to abut against opposite faces of the said rail supporting structure and provided with means for locking engagement with the rail, and the said connecting bar being positioned to extend lengthwise of the rail across said rail supporting structure and formed with a rounded edge to bear against a curved fillet at the junction of the web of the rail and the base portion thereof and being formed

also with a straight portion midway between the bodies and bowed toward the rail so that the said bar will bear only against the said fillet at the location of said straight portion.

2,434,866

TYPEWRITER PAPER GUIDE

Benjamin Rubin, Philadelphia, Pa.
Application November 18, 1944, Serial No. 564,015
1 Claim. (Cl. 197—127)



An auxiliary typewriter paper guide to prevent lower sheets of a multiple pile of paper sheets from encircling a typewriter platen comprising a paper guide extending across the substantial width of a typewriter platen and having a lower horizontal edge and an upper horizontal edge, a pivot point at each end of said lower edge of said guide, a clip adapted to be attached to each arm of the upper feed roll ball of the typewriter, a bearing on said clip whereby one of said pivot points may be pivotally supported on said clip, and a hook rest attached adjacent to the upper edge of said guide whereby the guide will be supported in an inclined position adjacent the upper portion of a typewriter platen.

2,434,867

BRAZING METAL JOINTS PROTECTED BY SODIUM SILICATE, BY MEANS OF INDUCTION HEATING

Wallace C. Rudd, Larchmont, N. Y., assignor to Induction Heating Corp., New York, N. Y., a corporation of New York

No Drawing. Application April 27, 1946,

Serial No. 665,635

1 Claim. (Cl. 219—12)

Method for brazing a joint between two metal members which comprises applying brazing metal together with flux along the joint, applying thereover a coating of sodium silicate solution, then subjecting the joint area to a high frequency electromagnetic field of sufficient intensity to cause induction heating of the metals and fusion of the brazing metal and with a consequent drying action on the sodium silicate to form thereof a firm layer which will act to retain the brazing metal in position along the joint upon fusing of the brazing metal by such induction heating.

2,434,868

PROCESS FOR THE REMOVAL OF CARBONYL SULFIDE FROM A HYDROCARBON FLUID

George E. Sample, St. Louis, Mo., and Walter B. Miller, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 5, 1945,

Serial No. 626,914

8 Claims. (Cl. 196—30)

1. A process for the removal of carbonyl sulfide from a hydrocarbon fluid containing carbonyl sulfide which comprises contacting said fluid with an aqueous alkaline solution in the presence of sodium aluminate.

2,434,869

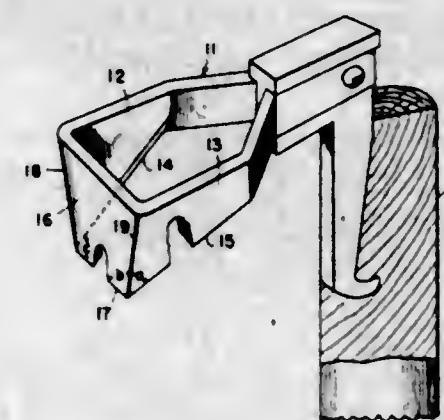
BARK CHIPPING HACK FOR TURPENTINING TREES

Albert G. Snow, Jr., Lake City, and Hubert R. Lanier, Olustee, Fla., assignors to the United States of America, as represented by the Secretary of Agriculture

Application February 23, 1945, Serial No. 579,477

1 Claim. (Cl. 30—121)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A hack having a longitudinally extending handle and a hack head for chipping bark from pine trees, said hack head comprising two generally similar, facing, spaced, flat side members each provided with a sharpened, straight, laterally extending edge and a straight end making an acute angle with the sharpened edge, and a flat end member having a sharpened, straight, forward edge and two straight, longitudinally extending ends, the sharpened edge of said flat end member making obtuse angles with its two straight, longitudinally extending ends, said flat end member being joined along its two longitudinally extending ends to the straight ends of the side members with the sharpened edge of each side member and the sharpened edge of the end member contiguous and at right angles to each other, said hack head being attached to one end of the handle in such manner that the sharpened edges are positioned to one side of the handle and directed toward the free end thereof.

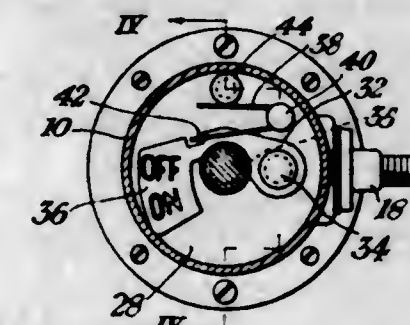
2,434,870

POSITION INDICATING DEVICE

George B. Solovieff, South Gate, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California

Application August 31, 1945, Serial No. 613,781

3 Claims. (Cl. 177—329)



1. The combination with a housing having a window, a pair of relatively movable members in the housing, of means projecting from the housing and operatively associated with the members for causing movement thereof upon an axial movement of said means, means for indicating the position of the members comprising a lever fulcrumed at one end on the housing and carrying indicia at the opposite free end, yieldable means adapted to rotate said lever to a limiting position wherein one of said indicia is positioned

opposite the window, and cam means carried by the first said means and operatively engageable upon said axial movement with a portion of said lever intermediate said fulcrum and free ends for overcoming said yieldable means and rotating said lever to another limiting position wherein another of said indicia is positioned opposite the window.

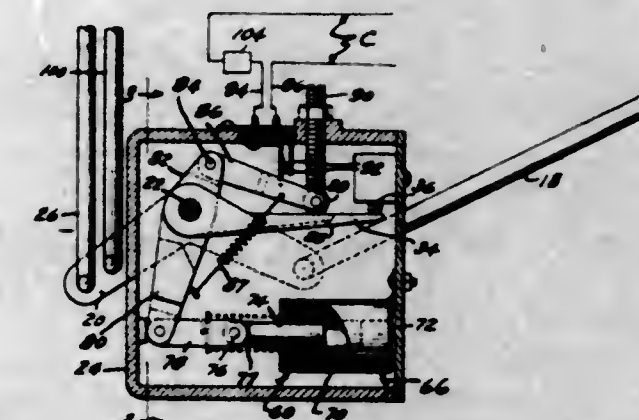
2,434,871

MOTOR IDLING PERIOD CONTROL

Franklyn J. Taft, Chicago, Ill., assignor of one-half to Joseph S. Francis, doing business as Francis Company, Chicago, Ill.

Application September 18, 1945, Serial No. 617,120

16 Claims. (Cl. 123—198)



1. Mechanism for controlling the flow of fuel through a carburetor including a foot throttle, a rod connected thereto, a bell crank lever having one end connected to said rod, a carburetor, a rod connected between said carburetor and the other end of said bell crank lever, a pivot shaft for said bell crank lever, and solenoid operated means associated with said shaft for permitting the rotation of the same to stop the flow of fuel through said carburetor a predetermined period of time after pressure on said foot throttle has been released.

2,434,872

MANUFACTURE OF COMPACT COMBUSTIBLE EXPLOSIVE CHARGES

James Taylor, Saltcoats, and John Whetstone, West-Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 12, 1944, Serial No. 522,106. In Great Britain November 6, 1942

7 Claims. (Cl. 52—14)

1. A combustible explosive charge in compact form for the generation of gas pressure, which comprises ammonium nitrate in preponderating proportion, in intimate commixture with an oxidizable material, a chromate compound adapted to sensitize the thermal decomposition of the charge, and an ammonium nitrate fusion-promoting ingredient solid at ordinary temperatures and adapted to render the charge fluid at a temperature not exceeding 115° C.; said charge being compact and homogeneous due to solidification of the mixture from fused condition.

2,434,873

CLOSURE FOR HEAD NETS

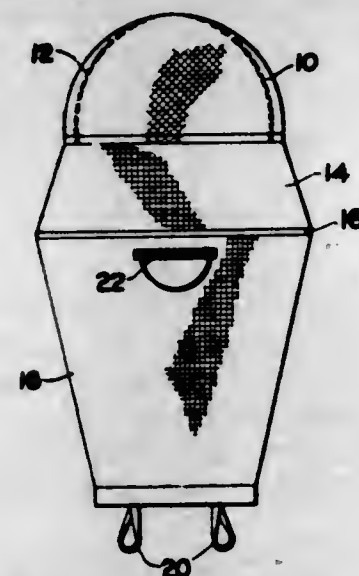
Albert H. Tessier, Worcester, Mass.

Application January 16, 1946, Serial No. 641,563

2 Claims. (Cl. 2—4)

1. A netted head dress comprising a netted inclosure for the head, a slit-like opening therein, and a spring wire of a length greater than the

opening detachably hooked into the net at the ends of the opening, the wire being located inside



2,434,874 **SEPARATION OF STARCH AND PROTEIN IN WHEAT GRAIN PRODUCTS AND EXTRACTION OF DIASTASE THEREFROM**

Irwin W. Tucker and Arnold K. Balls, Washington, D. C., assignors to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Application June 5, 1943, Serial No. 489,818

2 Claims. (Cl. 195-66)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for separating wheat gluten from wheat starch and for extracting diastase from wheat grain products, comprising comminuting wheat, mixing the comminuted wheat product with a neutralized aqueous solution of a sulphite salt, at a temperature below that which destroys enzymes, thereby to digest the protein particles and release the starch enmeshed in the particles and to cause liberation of the diastase in water-soluble form, settling the mixture to allow the protein particles to rise as a scum while the starch settles, removing the scum, and recovering the liquid containing the diastase from the remaining mixture.

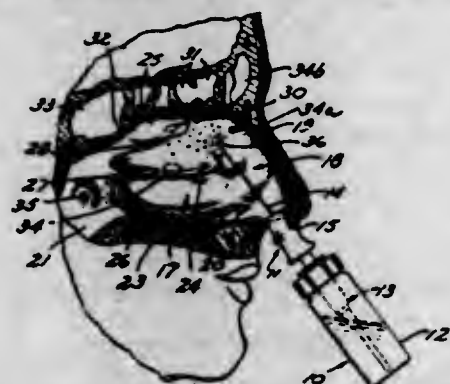
2,434,875

JETTING DEVICE

Frederick M. Turnbull, Los Angeles, and William F. Hamilton, Altadena, Calif.; said Hamilton assignor to said Turnbull

Application August 11, 1945, Serial No. 610,310

3 Claims. (Cl. 128-250)



1. In a device for injecting a jet of liquid medicament into the nasal cavity, the combination of, an applicator head having a rounded end fitting the entrance to the nostril, said head also having an axially directed orifice centrally disposed in said end for directing a thin stream of said liquid medicament through said nostril into contact with

the upper sinus areas, and a liquid measuring pump between a source of liquid medicament and said head for withdrawing liquid medicament from said source and forcing a measured volume thereof under pressure through said orifice.

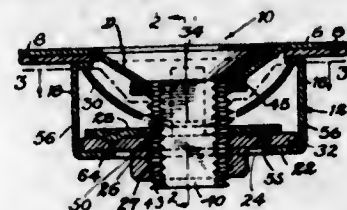
2,434,876

COWL FASTENER

James W. Warren, Lynbrook, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey

Application January 15, 1944, Serial No. 518,332

14 Claims. (Cl. 24-221)



1. A fastener device of the type adapted to secure plates together detachably, comprising a receptacle and means for securing said receptacle to one of said plates, a nut loosely mounted within said receptacle, a locking plate provided with a stud receiving opening mounted within said receptacle and in engagement with said nut, a resilient locking element positioned within said receptacle and constructed and arranged to bias said plate into engagement with said nut, a locking stud adapted to be inserted through another of said plates and through said member and plate into engagement with said nut, the cross-section of said stud conforming substantially with the shape of said opening in said locking plate, means on said plate for effecting locking cooperation between said stud, plate and nut when said stud and plate are turned relative to said receptacle, means for limiting the turning movement of said stud and plate, said means including a flange formed on the edge of said locking plate, and means on said nut engaged by said flange for preventing turning movement of said stud.

2,434,877

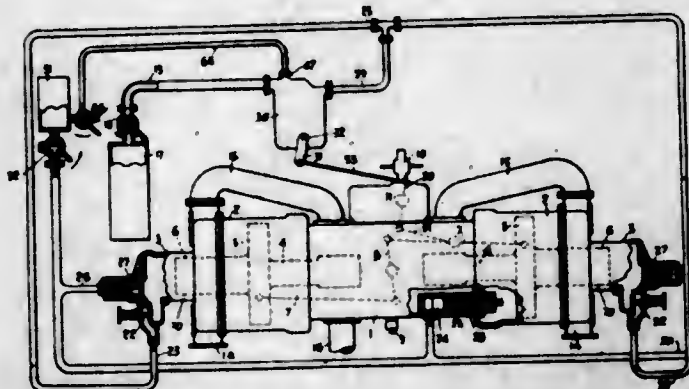
MEANS FOR STARTING FREE PISTON INTERNAL-COMBUSTION OPERATED COMPRESSORS OR GAS GENERATORS

Robert James Welsh and George William Cox, Rugby, England, assignors to The English Electric Company Limited, London, England, a British company

Application October 23, 1944, Serial No. 559,976

In Great Britain May 31, 1943

9 Claims. (Cl. 230-56)



1. In combination, a free piston internal combustion operated compressor or gas generator and starting means therefor, comprising an internal combustion cylinder, at least one compressor cylinder, at least one buffer cylinder, and at least one free piston assembly comprising an internal combustion piston, a compressor piston and a buffer piston adapted to reciprocate as one unit in said cylinders, means for moving said free

piston assembly to a position for starting, an air venting valve in said buffer cylinder adapted to be opened to atmosphere while moving the free piston assembly to said starting position, an unrestricted source of compressed starting air in supply connection with said buffer cylinder and, interposed between said buffer cylinder and said source of air, a non-return valve and a starting air regulator operatively connected with and adapted to be alternately opened and closed by the reciprocating free piston assembly during the starting period to give an intermittent access of starting air to the said buffer cylinder each time the free piston assembly approaches an outer reversal point, and fuel injection means adapted to inject fuel into said combustion cylinder only when a predetermined amplitude of said outer reversal points is obtained.

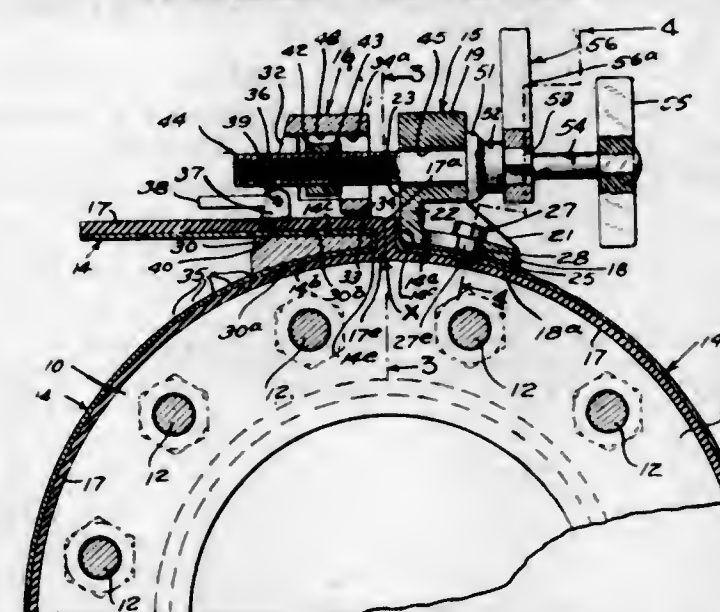
2,434,878

PIPE JOINT

Benjamin N. Williams, Glenham, N. Y.

Application May 8, 1945, Serial No. 592,648

13 Claims. (Cl. 285-129)



1. Pipe sealing means comprising a tension band structure comprising a flexible metal band adapted to extend about the cylindrical part to be sealed and having yieldable means throughout a face thereof, two block-like heads having adjacent substantially parallel front faces each making a substantial angle with the bottom face of its head, means securing the end portions of the band structure respectively underlying the bottom faces of the heads and with respectively contiguous portions of the band structure extending upwardly into the space between said adjacent front faces and with the yieldable means of each brought into juxtaposition in said space, and means for drawing said two heads together to tension said metal band to press the yieldable means against the part to be sealed and to compress together the juxtaposed yieldable means in the space between said front faces and thereby cold-flow it radially inwardly against the underlying portion of the part to be sealed.

2,434,879

PROCESS OF PREPARING AN EXPLOSIVE

George F. Wright, Henry H. Richmond, and Douglas C. Downing, Toronto, Ontario, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada

No Drawing. Application July 16, 1943,

Serial No. 495,082

4 Claims. (Cl. 260-248)

1. A method of producing cyclonite which comprises forming a solution of ammonium nitrate in

nitric acid and a solution of hexamine in substantially anhydrous liquid fatty acid, feeding said solutions in alternate portions into liquid fatty acid anhydride, and maintaining the reaction temperature between 50 and 90° C.

2,434,880

CYLINDER SURFACE CHARACTER

Harry M. Bramberry, New Castle, Ind.

Application September 22, 1944, Serial No. 555,379

8 Claims. (Cl. 309-2)



8. An engine cylinder having an internal ring travel surface formed into a pattern in relief by cross-hatched grooves of at least .0002 inch in depth defining a plurality of radially inwardly extending frusto-pyramidal protuberances each being of decreasing cross-sectional area from the base radially inwardly and each having a plateau surface of polygonal shape on the radially inward extremity thereof which forms part of the ring travel surface of the cylinder, the relieved area formed by said grooves constituting at least 15 per cent of the part of the ring travel surface which is formed into a pattern in relief.

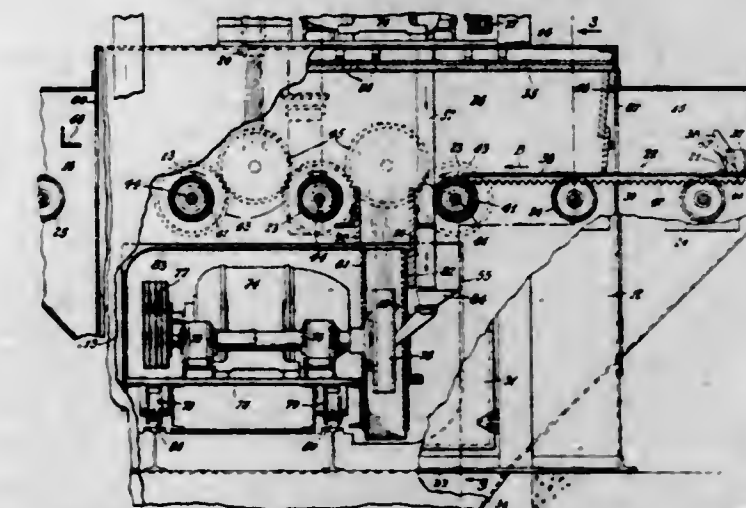
2,434,881

ABRASIVE CLEANING SYSTEM

Gilbert D. Dill, South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation, a corporation of Delaware

Application December 29, 1945, Serial No. 637,922

8 Claims. (Cl. 51-9)



3. In a device for starting a strip or other sheet through a blasting machine, a cabinet having an entrance and an exit, a path for the strip connecting said entrance and exit, a carriage traversing said path, said carriage having a holding device for holding said strip, means propelling said carriage along said path, stop means cooperating with said holding device for releasing said strip when the carriage reaches a predetermined position, means for thereafter propelling said strip freely through the carriage.

2,434,882

MECHANICAL PENCIL

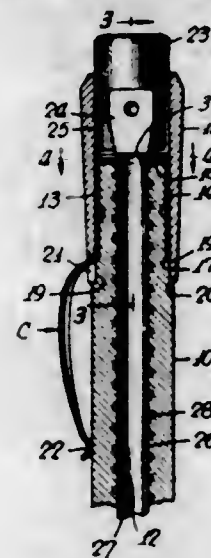
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, a corporation of Delaware

Application February 17, 1944, Serial No. 522,694

12 Claims. (Cl. 120-84)

1. In a combined clip and operating head for a mechanical pencil of the rear feed type, the combination of a barrel having a slotted feed

tube therein, a lead propulsion cap having a bearing fit upon the end of the barrel, a unitary sheet metal pencil clip having a U-shaped mounting jaw longitudinally straddling the end of the bar-

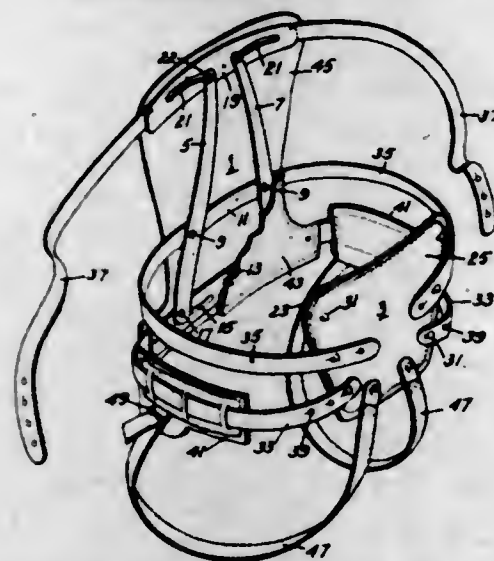


rel, said cap being drivingly connected to said tube to rotate the same in unison therewith and serving to clamp the jaw end of said clip over the barrel end.

2,434,883

SURGICAL APPLIANCE

Herman G. Hittenberger, Alameda, Calif.
Application June 2, 1944, Serial No. 538,465
6 Claims. (Cl. 128-95)



1. A brace comprising a posterior pad including a pair of spaced vertically disposed strips, means pivotally connecting said strips at a level below the mid points thereof to provide a fulcrum for each of said strips, whereby to permit an approach of the lower ends of said strips toward each other in response to a separation of the upper ends, means secured to the lower ends of said strips and capable of being fastened about the body of a patient, and final-pressure adjusting strap means secured to the upper ends of said strips and also capable of being fastened about the body of such patient.

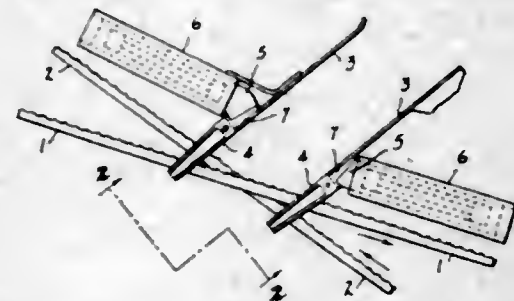
2,434,884

BAND BLADE GUIDE

Arthur A. Kottmann and Fred Röhlfing, Davenport, Iowa, assignors to The Bettendorf Company, Bettendorf, Iowa, a corporation of Maryland
Application June 28, 1945, Serial No. 602,072
5 Claims. (Cl. 146-88)

1. In a bread slicing machine having twisted crossing blades that travel in opposite directions, a loaf guideway comprising a plurality of blade guides disposed on opposite sides of the crossing points of the blades, said guides having flat inner loaf guiding faces and parallel blade receiving slots, the opposite sides of each slot being flat and

parallel adjacent the flat inner face of the guide and spaced apart a distance but slightly greater than the thickness of the blades to provide relatively close clearance between the guides and the blades, said slots having flaring outer portions forming tapering guide surfaces for the entry

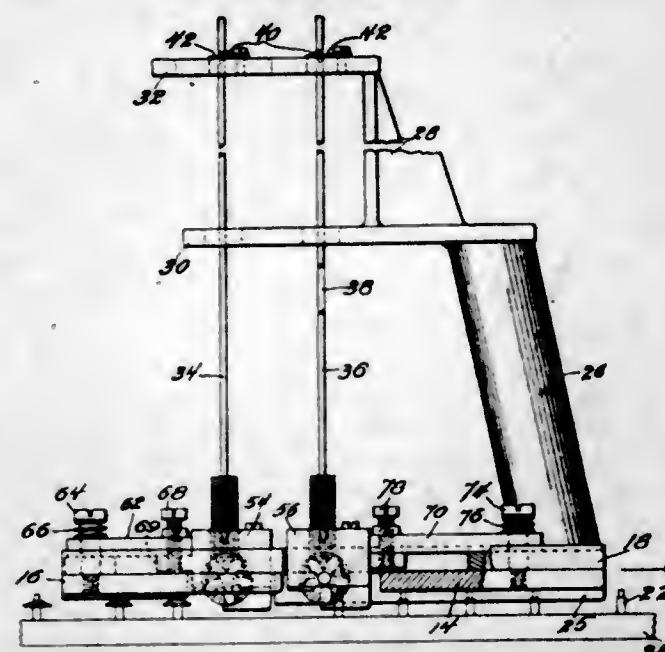


or exit of the twisted blades, the opposing faces of adjacent guides being shaped to provide registering longitudinal crumb channels, each occupying the major portion of the width of the guide and being open at its outer end to facilitate discharge of crumbs by gravity.

2,434,885

MACHINE FOR HANDLING AND FEEDING WASHERS

Hans C. Paulsen, Medford, Mass., assignor to J. W. Moore Machinery Corporation, Everett, Mass., a corporation of Massachusetts
Application April 4, 1944, Serial No. 529,474
16 Claims. (Cl. 18-1)



1. In a machine for delivering washers to pins in a mold having a base adapted for movement over the pins in the mold and supporting means for a supply of washers, the combination of a washer distributing device comprising a support and a rotatable washer selecting and feeding element mounted therein, said support having formed therein a guideway for guiding selected washers and including surfaces for guiding pins of the mold into engagement therewith, and said rotatable element having at spaced intervals in the periphery thereof washer receiving recesses with radially extending clearance holes to receive the pins of the mold during the operation of said device in distributing washers thereto.

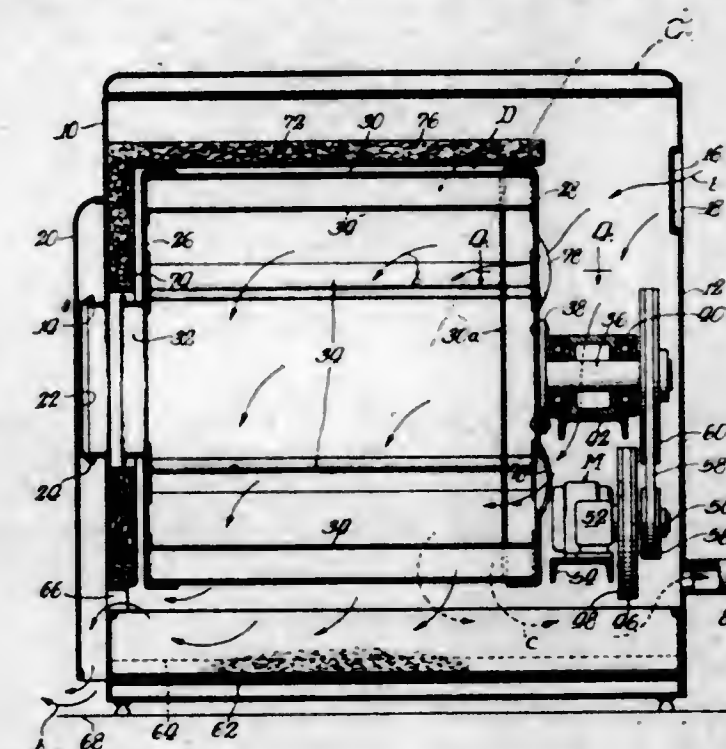
2,434,886

ROTARY DRUM CLOTHES DRIER HAVING AIR CIRCULATING MEANS AND A LAMP HEATER

Merlin L. Pugh, Minneapolis, Minn., assignor to Franklin Transformer Manufacturing Co., Minneapolis, Minn., a copartnership
Application March 29, 1944, Serial No. 528,515
2 Claims. (Cl. 34-60)

1. A clothes drier comprising a casing adapted to rest on a floor surface and having a clothes

reception opening at one end and an air reception opening at the other end, a door for said clothes reception opening, a drum within said casing and having a clothes reception opening at one end registered with the clothes reception opening of said casing, the periphery and the opposite end of said drum being perforated to permit entrance of air from said air reception opening of said casing to said drum through said opening of the drum and exit of air through said periphery of the drum into the bottom of said casing, a removable lint receiving receptacle in said casing, an air outlet therefrom between said casing and said door, said door being above the floor surface to permit exit of air between

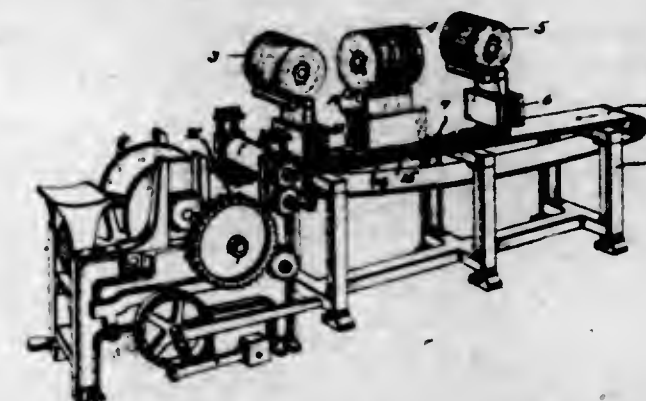


the door and the floor surface, means for circulating air through said casing along a path permitted by the foregoing described structure, means for rotatably supporting said drum at the end thereof opposite said clothes reception opening, means for rotating said drum, said drum having ribs therein adjacent the periphery to effect tumbling of the clothes in the drum during rotation of the drum, a lamp housing within said casing and outside the periphery of the drum at a point opposite the clothes when turning over in the drum, and infra-red ray lamps supported in said lamp housing whereby the rays from said lamps pass through the periphery of said drum and impinge the clothing in the drum for evaporating moisture therefrom.

2,434,887

METHOD OF CROSS LAYING

George E. Repass and James E. Repass, Hopedale, Mass.
Application June 14, 1946, Serial No. 676,824
9 Claims. (Cl. 19-161)



1. Method of forming a multi-layer cross-laid fibrous web which includes drawing a web of fibrous material and applying relatively greater pressure to the side portions thereof so as to

cause the sheeting to be drawn to a greater extent along its edges than at adjacent midportions and thus form feathered edges; laying a plurality of lengths of the said feathered sheeting on a base web of drawn fibrous material with the feathered edges of adjacent cross lengths lying in overlapping relation and being so arranged as to present a cross-sectional thickness throughout points of overlap substantially corresponding to the thickness of a midportion of any one of said cross lengths; and then laying a top layer of drawn fiber upon the overlapping cross lengths.

2,434,888

HYDROGEN BROMIDE-CATALYZED OXIDATION

Frederick F. Rust and John H. Raley, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 10, 1944,

Serial No. 558,111

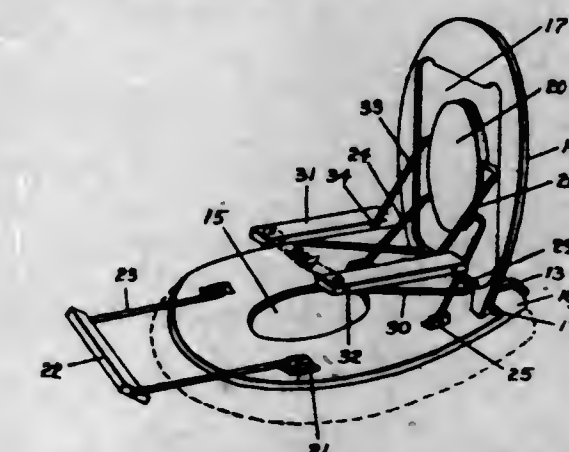
5 Claims. (Cl. 260-610)

1. In a process for the production of peroxidic compounds selected from the group consisting of tertiary butyl hydroperoxide, di(tertiary butyl)-peroxide and mixtures thereof, the steps of reacting substantially equivalent vapor amounts of isobutane and oxygen, at a superatmospheric pressure and at a temperature of between about 150° C. and about 200° C. in the presence of hydrogen bromide, and effecting the reaction in a reaction vessel having inner surfaces constructed of glass the walls of which are coated with an oxide of boron.

2,434,889

TOILET SEAT ACCESSORY

Roger R. Sacia, West Bend, Wis.
Application June 20, 1944, Serial No. 541,139
6 Claims. (Cl. 4-235)



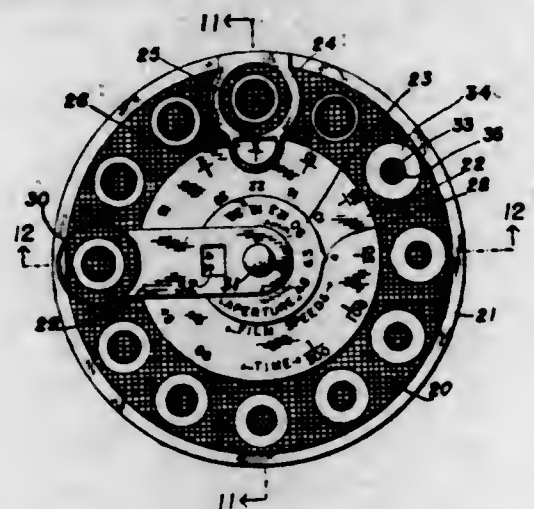
5. A device of the character described comprising a juvenile toilet seat and cover in combination with a regular toilet seat, said juvenile seat and cover assembly hingedly attached to said toilet seat, said juvenile toilet seat assembly comprising an auxiliary seat and a backrest, said backrest hingedly attached to said auxiliary seat, an aperture within said auxiliary seat, said aperture of a diameter smaller than the aperture in said toilet seat, a recessed portion on the face of said backrest, a plate of a contour corresponding with the aperture in said auxiliary seat attached to and extending outward from the central portion of said recess on said backrest, said plate provided with a slot extending part way thereof between said plate and backrest, a support member hingedly attached to said auxiliary seat, said support member extending to said slot in said plate for supporting said backrest in vertical position at right angle to said auxiliary seat, a pair of armrests attached to said back rest and

normally nested within said recess in said backrest, a support hingedly attached to said backrest engaging the front position of both of said armrests, an auxiliary support hingedly attached to said plate on said backrest for supporting the rearward end of said armrests, both of said armrests supports nested within the recess in said backrest when in a vertical position and extending outward when said armrests are in use.

2,434,890

PUPILLOMETRIC EXPOSURE METER

James B. Saunders, Alexandria, Va.
Application March 28, 1938, Serial No. 198,586
2 Claims. (Cl. 88-23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An exposure meter comprising a sheet adapted to be placed close to the pupil of an operator's eye perpendicular to the optical axis of the eye, said sheet consisting of opaque and transparent parts forming a series of comparators of graduated size; each of said comparators comprising an opaque disc bounded by an annular transparent area concentric with said disc and with said annular transparent area bounded by an annular opaque area concentric with said transparent area and with said annular opaque area bounded by an annular transparent area concentric with said opaque area, and an opaque screen surrounding the composite areas of each of said comparators, whereby the pupil of the eye of the operator may be occulted by one of the comparator discs from a chosen fixation point except for an annular area about the periphery of the pupil.

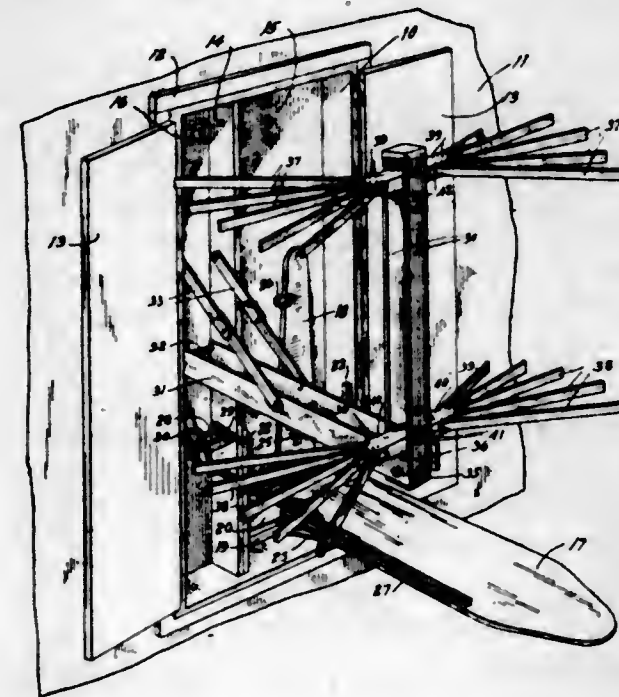
2,434,891

FOLDING DRYING RACK

Clarence W. Swanson, Denver, Colo.
Application February 19, 1946, Serial No. 648,738
8 Claims. (Cl. 312-185)

1. A folding clothes hanger comprising: a supporting structure, an arm hinged to said structure so that it may unfold from a vertical to a horizontal position thereon; a standard hinged

adjacent the free extremity of said arm to unfold from a horizontal to a vertical position thereon when said arm is in said horizontal position; a hanger bracket hinged to said standard to unfold from a vertical position parallel to said



standard in such position to a horizontal position thereon; and a plurality of hanger bars hinged to said bracket to unfold from a parallel aligned position to radially flaring positions thereon.

2,434,892

BAG AND COMPOSITE MATERIAL

Frederick A. Ulm, New York, N. Y., assignor to Arkell Safety Bag Company, New York, N. Y., a corporation of New York
Application January 7, 1944, Serial No. 517,340
2 Claims. (Cl. 154-46)



1. A bag made of composite material of the class described comprising a plurality of sheets of paper arranged in superposed relation and crinkled and corrugated in directions transverse to each other with the crinkles and corrugations of the two sheets arranged in nested relation, the corrugations being flattened so as to cause them to be generally of dove-tail form in cross-section, at least the outer sheet being made of a plurality of plies secured together by means of a water-proof adhesive, the two sheets being secured together substantially solely by the nesting of their crinkles and corrugations.

DESIGNS

JANUARY 20, 1948

148,402

DESIGN FOR A LEAKPROOF CASE FOR A CIGARETTE PACKAGE

Edward A. Abbatiello, Cincinnati, Ohio
Application April 26, 1946, Serial No. 128,966
Term of patent 14 years
(Cl. D85-2)



The ornamental design for a leakproof case for a cigarette package, as shown.

148,403

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Nicholas Barbieri, Providence, R. I.
Application December 26, 1946, Serial No. 135,765
Term of patent 14 years
(Cl. D45-19)

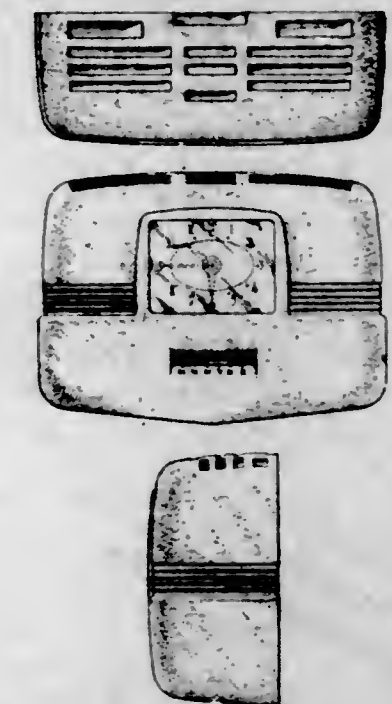


The ornamental design for a brooch or similar article, substantially as shown and described.

148,404

DESIGN FOR A HOUSING FOR THERMOSTATIC CONTROL

Carl G. Bjorncrantz, Evanston, and Jon W. Hauser, Oak Park, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application May 2, 1946, Serial No. 129,508
Term of patent 14 years
(Cl. D52-7)

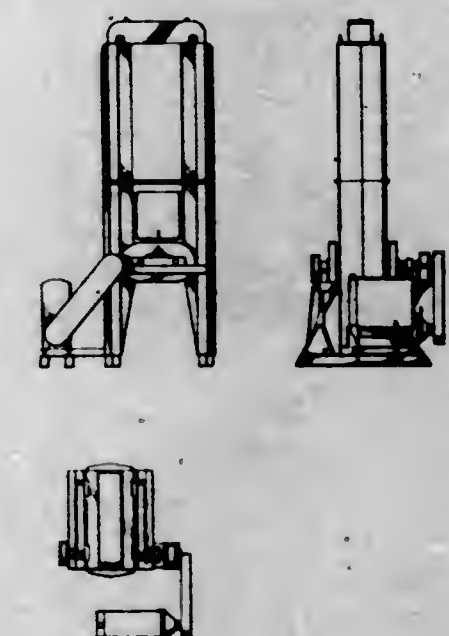


The ornamental design for a housing for thermostatic control, substantially as shown.

148,405

DESIGN FOR AN OIL WELL PUMPING UNIT

Luther A. Blackburn, Lynwood, Calif.
Application September 18, 1946, Serial No. 133,393
Term of patent 14 years
(Cl. D65-1)



The ornamental design for an oil well pumping unit, as shown.

148,406

DESIGN FOR AN EARRING

Herman Bogoff, Chicago, Ill.
Application December 16, 1946, Serial No. 135,532
Term of patent 7 years
(Cl. D45-9)

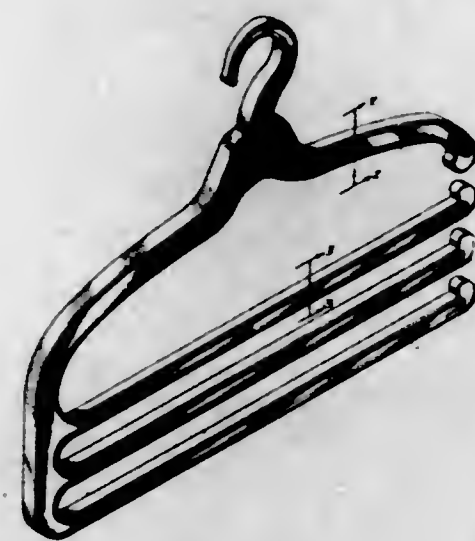


The ornamental design for an earring, substantially as shown.

148,407

DESIGN FOR A CLOTHES HANGER

Walter J. Cleary, Philadelphia, Pa.
Application August 23, 1946, Serial No. 132,768
Term of patent 14 years
(Cl. D80-8)



The ornamental design for a clothes hanger, as shown.

148,408

DESIGN FOR A WALL VASE

Boyd W. Corwin, Orange, Calif.
Application May 8, 1947, Serial No. 138,910
Term of patent 3½ years
(Cl. D29-28)

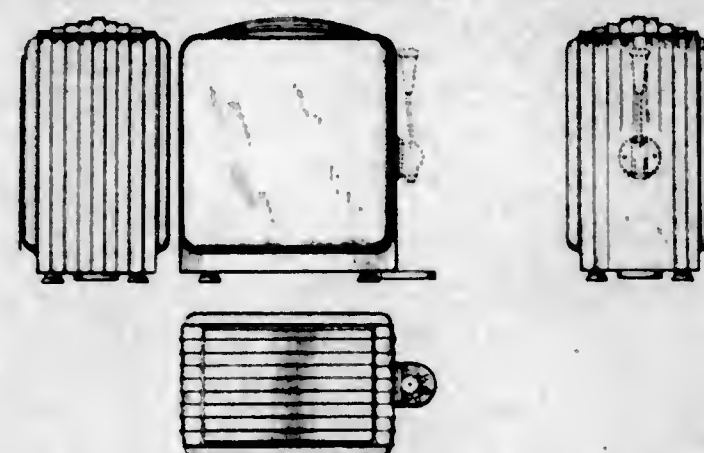


The ornamental design for a wall vase, as shown.

148,409

DESIGN FOR A BEVERAGE DISPENSER

Robert A. Doyle, Chicago, and Stephen V. Dawson, Evanston, Ill., assignors to Orange-Crush Company, Chicago, Ill., a corporation of Illinois
Application June 20, 1946, Serial No. 130,889
Term of patent 14 years
(Cl. D2-3)



The ornamental design for a beverage dispenser, as shown and described.

148,410

DESIGN FOR AN EARRING OR SIMILAR ARTICLE

George E. Fearn, New York, N. Y., assignor to Kaufman-Ruderman Co. Inc., New York, N. Y., a corporation of New York
Application April 6, 1946, Serial No. 128,349
Term of patent 3½ years
(Cl. D45-9)

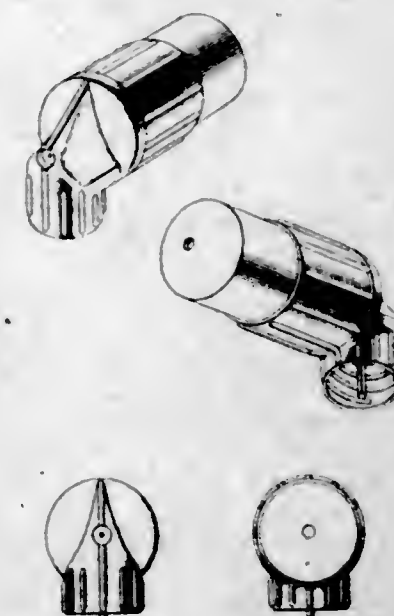


The ornamental design for an earring or similar article, as shown.

148,411

DESIGN FOR AN ATOMIZER SPRAY ATTACHMENT FOR A CONTAINER

Samuel Gimelli, Berne, Switzerland, assignor to Drugs Limited, London, England
Application May 29, 1946, Serial No. 130,223
In Great Britain December 3, 1945
Term of patent 7 years
(Cl. D83-1)

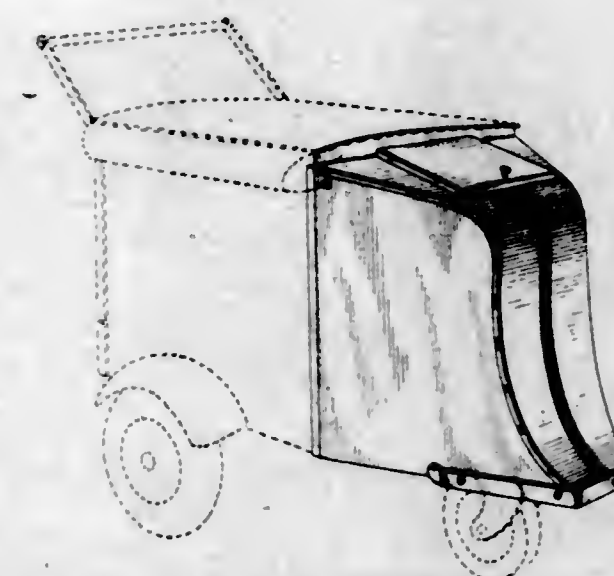


The ornamental design for an atomizer spray attachment for a container, as shown.

148,412

DESIGN FOR A VENDING CART OR SIMILAR ARTICLE

Samuel Goodman, Chicago, Ill., assignor to Acorn Sheet Metal Works, Inc., Chicago, Ill., a corporation of Illinois
Application November 14, 1946, Serial No. 134,787
Term of patent 14 years
(Cl. D14-3)



The ornamental design for a vending cart or similar article, substantially as shown and described.

148,413

DESIGN FOR A LACE OR THE LIKE

Abraham Gottlieb, New York, N. Y.
Application December 20, 1946, Serial No. 135,650
Term of patent 3½ years
(Cl. D47-6)

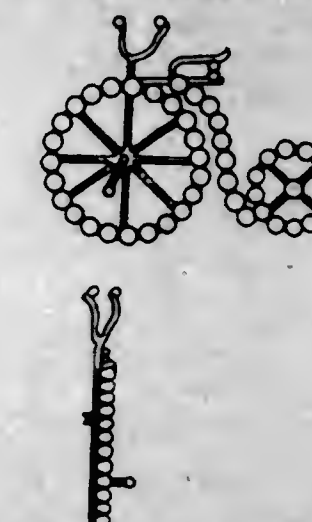


The ornamental design for a lace or the like, substantially as shown and described.

148,414

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Nathan Gross, Brooklyn, N. Y.
Application June 11, 1946, Serial No. 130,606
Term of patent 3½ years
(Cl. D45-19)

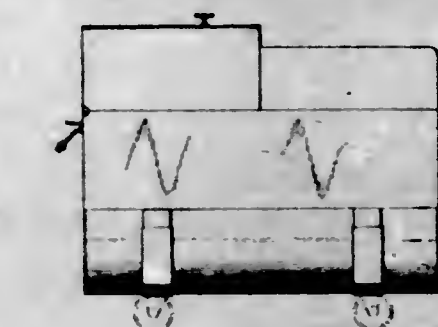
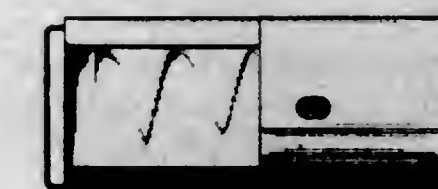
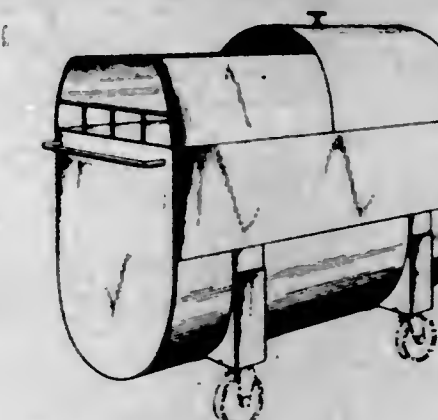


The ornamental design for a brooch or similar article, substantially as shown.

148,415

DESIGN FOR A WHEELED FIRE EXTINGUISHING UNIT OR SIMILAR DEVICE

Henry B. Harper, Evanston, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application July 3, 1946, Serial No. 131,319
Term of patent 14 years
(Cl. D14-3)

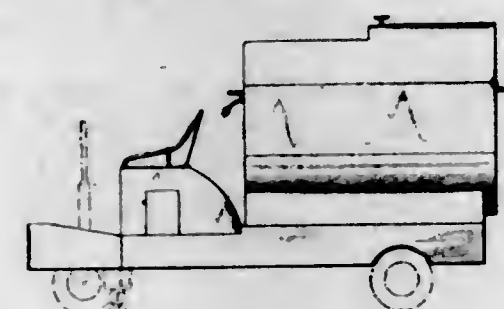
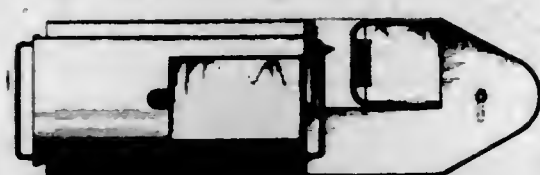
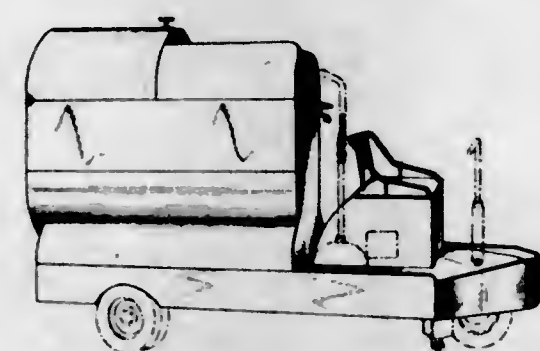


The ornamental design for a wheeled fire extinguishing unit or similar device, substantially as shown and described.

148,416
DESIGN FOR A MOTOR PROPELLED FIRE EXTINGUISHING UNIT OR SIMILAR DEVICE

Henry R. Harper, Evanston, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application July 3, 1946, Serial No. 131,320
Term of patent 14 years
(Cl. D14—3)



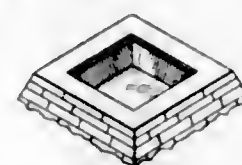
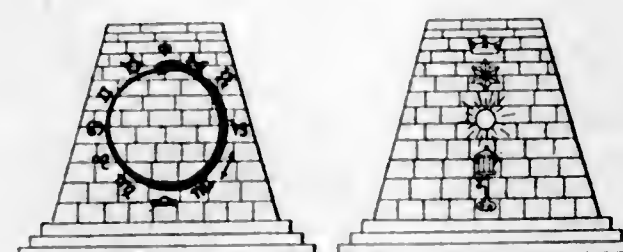
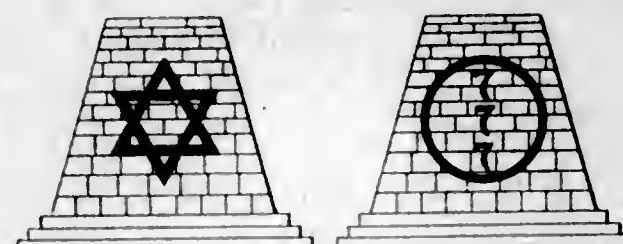
The ornamental design for a motor propelled fire extinguishing unit or similar device, substantially as shown and described.

148,417
DESIGN FOR A TRACTOR CAB
Robert H. Hill, Fort Wayne, Ind.
Application November 15, 1946, Serial No. 134,811
Term of patent 14 years
(Cl. D14—3)



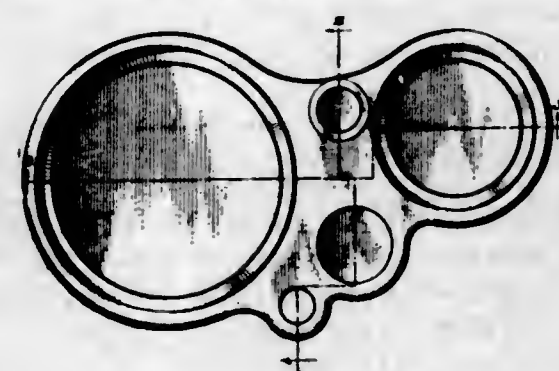
The ornamental design for a tractor cab, as shown.

148,418
DESIGN FOR AN INCENSE BURNER
Richard J. Howard, St. Louis, Mo.
Application July 31, 1947, Serial No. 140,635
Term of patent 14 years
(Cl. D29—23)



The ornamental design for an incense burner, substantially as shown.

148,419
DESIGN FOR A SERVING TRAY
Charles J. Jacobsen, Washington, D. C.
Application January 31, 1947, Serial No. 136,569
Term of patent 14 years
(Cl. D44—10)



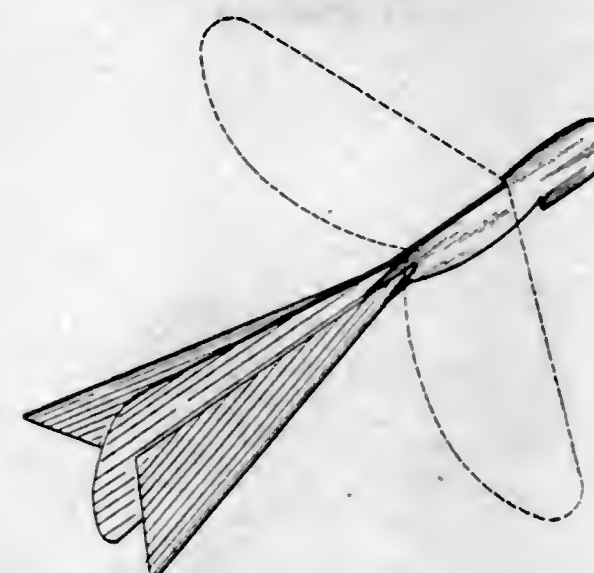
The ornamental design for a serving tray, as shown and described.

148,420
DESIGN FOR A RAG RUG
Jessie Jebbley and Saleem Haddad, Tenafly, N. J.
Application September 6, 1946, Serial No. 133,094
Term of patent 3½ years
(Cl. D92—21)



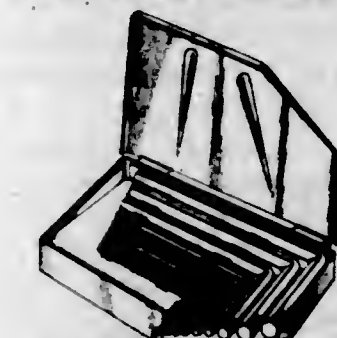
The ornamental design for a rag rug, as shown.

148,421
DESIGN FOR A TOY GLIDER
Robert E. Johnson, Boulder, Colo.
Application March 15, 1946, Serial No. 127,826
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy glider, as shown and described.

148,422
DESIGN FOR A COMBINED CONTAINER AND WRENCH SET UNIT
David Kane, Chicago, Ill.
Application July 17, 1946, Serial No. 131,664
Term of patent 14 years
(Cl. D80—5)



The ornamental design for a combined container and wrench set unit, as shown.

148,423
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 11, 1947, Serial No. 136,061
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,424
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 11, 1947, Serial No. 136,062
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

148,425
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,378
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

148,426
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,381
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

148,427
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,385
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

148,428

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,387
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,429

DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,388
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or similar article, substantially as shown.

148,430

DESIGN FOR A STRIPPER FORK

Albert L. Luhn, Racine, Wis.
Application July 20, 1946, Serial No. 131,749
Term of patent 7 years
(Cl. D44-29)

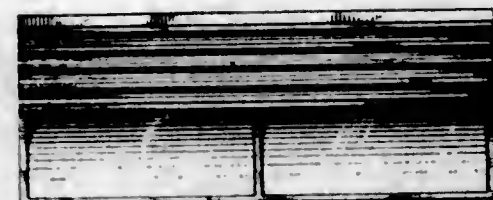
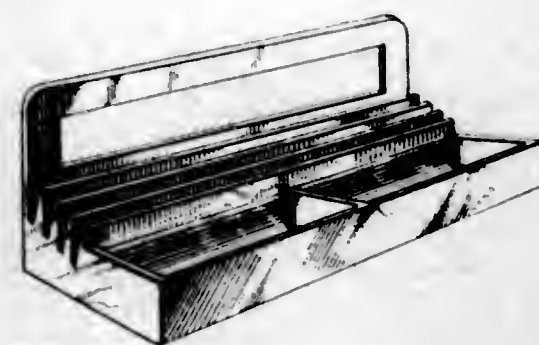


The ornamental design for a stripper fork, as shown.

148,431

DESIGN FOR A COMBINED TRAY AND COMB HOLDER

Lola M. Lund, Burbank, Calif.
Application December 17, 1946, Serial No. 135,577
Term of patent 7 years
(Cl. D86-10)



The ornamental design for a combined tray and comb holder, as shown.

148,432

DESIGN FOR A BROOCH OR THE LIKE

Michael Marcello, Cranston, R. I.
Application October 5, 1946, Serial No. 133,787
Term of patent 3 1/2 years
(Cl. D45-19)



The ornamental design for a brooch or the like, as shown.

148,433

DESIGN FOR A BRACELET

Emil J. Ostheimer, Woodside, Long Island, N. Y.
Application October 25, 1946, Serial No. 134,256
Term of patent 14 years
(Cl. D45-4)



The ornamental design for a bracelet, as shown and described.

148,434

DESIGN FOR A COMBINATION COMPASS, PROTRACTOR, AND RULER

William E. Owen, Jr., Cedar Rapids, Iowa
Application March 22, 1946, Serial No. 127,804
Term of patent 14 years
(Cl. D52-1)



The ornamental design for a combination compass, protractor, and ruler, as shown.
606 O. G.-33

148,435

DESIGN FOR A PIN CLIP OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 29, 1947, Serial No. 136,501
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a pin clip or similar article, substantially as shown.

148,436

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 29, 1947, Serial No. 136,506
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,437

DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,582
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or similar article, substantially as shown.

148,438

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947; Serial No. 136,587
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,439

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947; Serial No. 136,592
Term of patent 7 years
(Cl. D45-19)

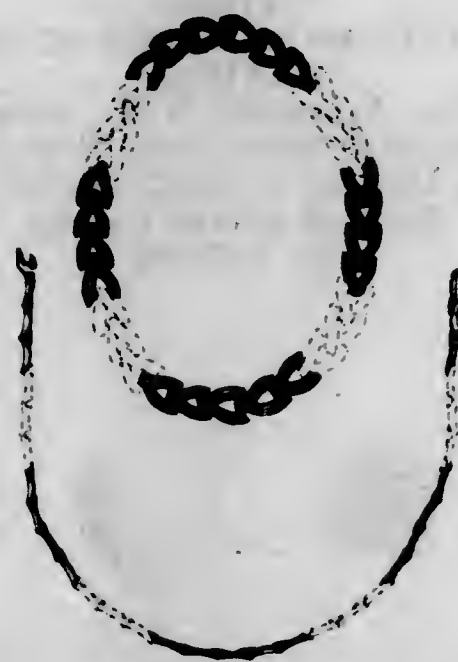


The ornamental design for a brooch or similar article, substantially as shown.

148,440

DESIGN FOR A NECKLACE OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application July 21, 1947; Serial No. 140,419
Term of patent 7 years
(Cl. D45-16)

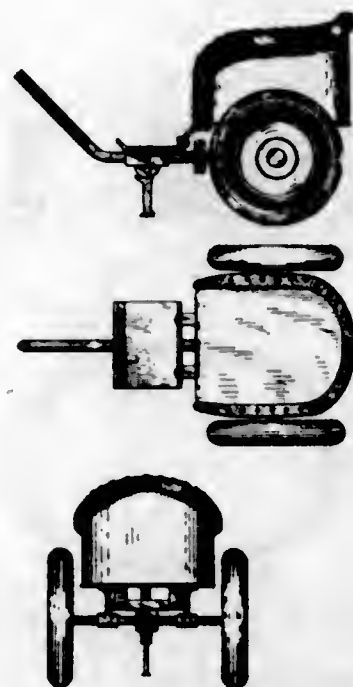


The ornamental design for a necklace or similar article substantially as shown and described.

148,441

DESIGN FOR A CHILD'S CART

Garard Renzelman, Denver, Colo.
Application May 27, 1946; Serial No. 130,123
Term of patent 7 years
(Cl. D14-3)

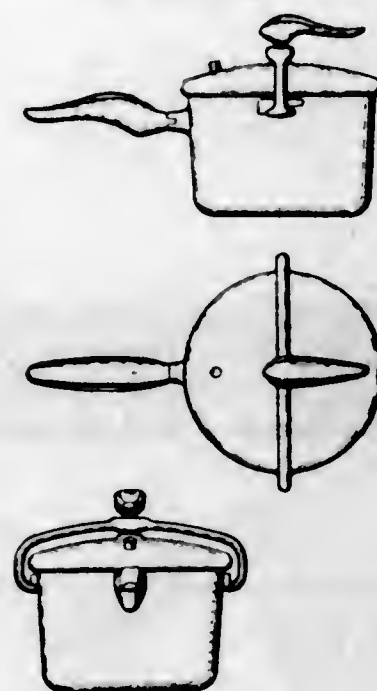


The ornamental design for a child's cart, as shown.

148,442

DESIGN FOR A PRESSURE COOKER

Sanford E. Richeson, Brooklyn, and Joseph A. Allegro, Maspeth, N. Y.
Application July 13, 1946; Serial No. 131,548
Term of patent 14 years
(Cl. D44-1)



The ornamental design for a pressure cooker, as shown.

148,443

DESIGN FOR A PIN OR SIMILAR ARTICLE

Edmund Jacob Richter, Moulton, Tex.
Application November 15, 1946; Serial No. 134,803
Term of patent 3½ years
(Cl. D45-19)

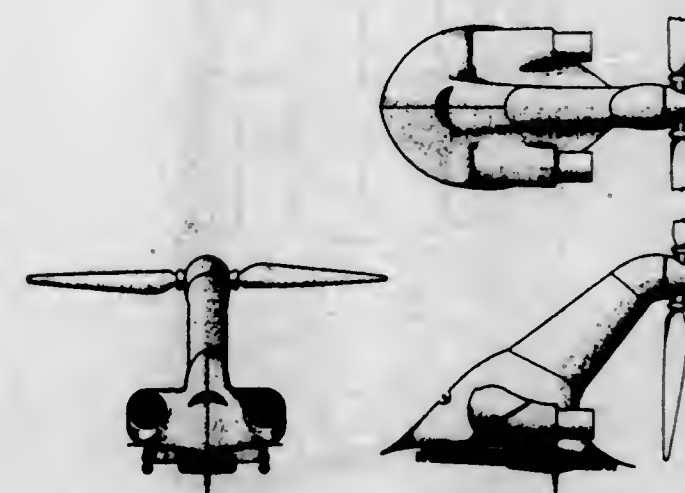


The ornamental design for a pin or similar article, as shown.

148,444

DESIGN FOR AN OUTBOARD POWER UNIT FOR GLIDERS

Elton H. Rowley, Wichita, Kans.
Application May 31, 1946; Serial No. 130,478
Term of patent 14 years
(Cl. D71-1)



148,444—Continued

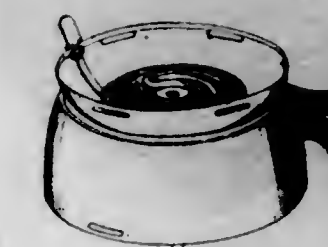
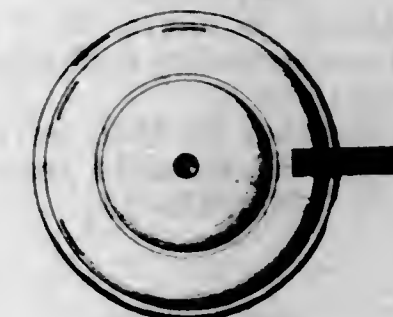
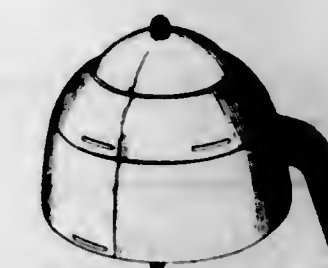


The ornamental design for an outboard power unit for gliders, substantially as shown and described.

148,445

DESIGN FOR A BROILER

Maurice Samburg, New York, N. Y.
Application October 5, 1946; Serial No. 133,795
Term of patent 3½ years
(Cl. D81-10)



The ornamental design for a broiler, as shown.

148,446

DESIGN FOR A SOUND TRANSLATING MACHINE

Raymond Spilman, Yonkers, N. Y., and George H. White, West Hartford, Conn., assignors to The Gray Manufacturing Company, a corporation of Connecticut
 Application September 12, 1946, Serial No. 133,268
 Term of patent 14 years
 (Cl. D26—14)



The ornamental design for a sound translating machine, as shown.

148,447

DESIGN FOR A SOUND TRANSLATING MACHINE

Raymond Spilman, Yonkers, N. Y., assignor to The Gray Manufacturing Company, a corporation of Connecticut
 Application September 12, 1946, Serial No. 133,269
 Term of patent 14 years
 (Cl. D26—14)

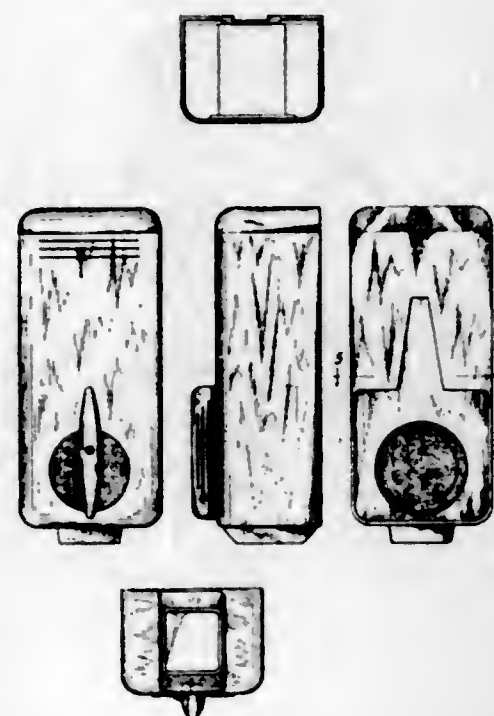


The ornamental design for a sound translating machine, as shown.

148,448

DESIGN FOR A COFFEE DISPENSER OR SIMILAR ARTICLE

Charles Stern, Jersey City, N. J.
 Application February 21, 1946, Serial No. 126,817
 Term of patent 3½ years
 (Cl. D52—2)



The ornamental design for a coffee dispenser or similar article, as shown.

148,449

DESIGN FOR A COMBINATION CUPBOARD, TABLE, AND BENCHES

Herbert H. Twente, Independence, Mo.
 Application December 18, 1945, Serial No. 124,831
 Term of patent 14 years
 (Cl. D33—19)



148,449—Continued

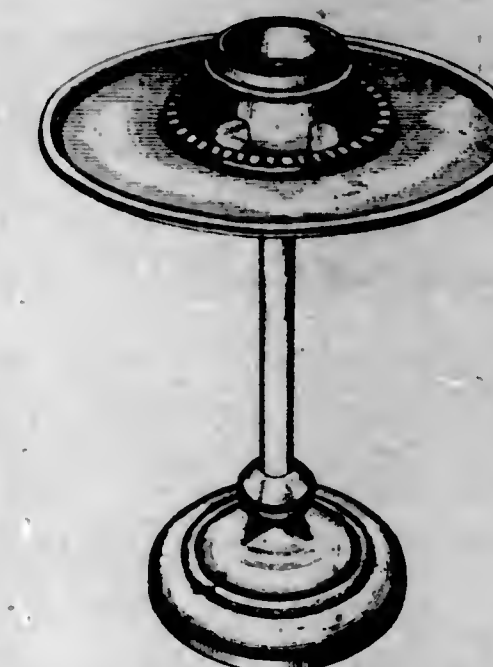


The ornamental design for a combination cupboard, table, and benches, as shown.

148,450

DESIGN FOR A SMOKING STAND OR THE LIKE

Henry T. Warner, Chicago, Ill.
 Application July 12, 1946, Serial No. 131,527
 Term of patent 14 years
 (Cl. D85—2)



The ornamental design for a smoking stand or the like, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Abarbanel: See—
Abarbanel, Libeth.
Abarbanel, Libeth, doing business as Abarbanel, New York, N. Y. Toilet compacts and rouge boxes. Serial No. 488,068, Jan. 20. Class 2.
Aderer, Julius, Inc., New York, N. Y. Casting gold for dentists' use. Serial No. 520,039, Jan. 20. Class 44.
Advance Solvents & Chemical Corporation, New York, N. Y. Synthetic resins. Serial No. 517,685, Jan. 20. Class 1.
All American Drinks Corp., New York, N. Y. Non-alcoholic maltless beverages. Serial Nos. 522,999-3,000, Jan. 20. Class 45.
Allcock Manufacturing Co., Ossining, N. Y. Medicated plasters. Serial No. 512,890, Jan. 20. Class 6.
Allied Stores Corporation, doing business as "The Bon Marche", New York, N. Y., Dey Brothers & Company, Seattle, Wash., and Quackenbush Company, Paterson, N. J. Ladies' hosiery. Serial No. 521,104, Jan. 20. Class 39.
Alos A. G., Zurich, Switzerland. Photographing apparatus. Serial No. 512,360, Jan. 20. Class 26.
American Dyeing Corporation, Rockville, Conn. Rayon and cotton piece goods and combinations thereof. Serial No. 525,522, Jan. 20. Class 42.
Andresen Corporation, Chicago, Ill. Mixture of aggregate bonded with asphalt. Serial No. 513,285, Jan. 20. Class 12.
Aqua Sportsman, Inc., Norwood, Ohio. Fishing reels and automatic reel control mechanism. Serial No. 526,510, Jan. 20. Class 22.
Aris Gloves, Inc., New York, N. Y. Gloves and mittens. Serial No. 528,326, Jan. 20. Class 39.
Armstrong Grocery Company, Sharon, Pa. Brooms. Serial No. 517,229, Jan. 20. Class 29.
Armstrong Grocery Company, Sharon, Pa. Soap. Serial No. 517,230, Jan. 20. Class 4.
Aseptic-Thermo Indicator Co., Los Angeles, Calif. Indicators which are adapted to change color. Serial Nos. 474,522-3, Jan. 20. Class 26.
Associated Religious Service: See—
Weir, George.
Atlantic Biochemical Laboratories Inc.: See—
Atlantic Pharmacal Laboratories Inc.
Atlantic Food Products, Brooklyn, N. Y. Candy. Serial No. 525,764, Jan. 20. Class 46.
Atlantic Pharmacal Laboratories Inc., now by change of name Atlantic Biochemical Laboratories Inc., Concord, N. H. Sedative and hypnotic preparation. Serial No. 519,430, Jan. 20. Class 6.
Auto Radiator Manufacturing Company, Chicago, Ill. Vehicle radiators, radiator cores, and automobile heaters. Serial No. 527,157, Jan. 20. Class 19.
Autoproducts Corporation, Chicago, Ill. Pistons. Serial Nos. 518,192-3, Jan. 20. Class 23.
B. V. D. Corporation, The, New York, N. Y. Outer shirts, sweaters and swim trunks. Serial No. 524,943, Jan. 20. Class 39.
Baker Extract Company, Springfield, Mass. Camphor, camphorated oil, glycerine, etc. Serial No. 530,054, Jan. 20. Class 6.
Balaber, Joseph J., New York, N. Y. Motion picture films. Serial No. 518,270, Jan. 20. Class 26.
Basic Foods Sales Corp., New York, N. Y. Icing machines used in connection with bakery products. Serial No. 524,518, Jan. 20. Class 23.
Beautis Foundations Mfg. Corporation, New York, N. Y. Brassieres, garter belts and girdles. Serial No. 523,642, Jan. 20. Class 39.
Belvedere Fabrics, New York, N. Y. Piece goods made of cotton, wool, rayon, etc. Serial No. 518,338, Jan. 20. Class 42.
Best, Richard, Pencil Company, Inc., Springfield, N. J. Wood encased lead pencils. Serial No. 524,899, Jan. 20. Class 37.
Best, Richard, Pencil Company, Inc., Springfield, N. J. Wood-encased lead and colored pencils. Serial No. 524,902, Jan. 20. Class 37.
"Bon Marche, The": See—
Allied Stores Corporation.
Borg, George W., Corporation, The, Chicago, Ill., and Delavan, Wis. Potentiometers. Serial No. 485,324, Jan. 20. Class 21.
Botany Mills, Inc., Passaic, N. J. Neckties. Serial No. 524,763, Jan. 20. Class 39.
Boyajian, Setrak, Worcester, Mass. Powdered and liquid glue. Serial No. 506,280, Jan. 20. Class 5.
Brand Camera Company: See—
Brand, John, doing business as Brand Camera Company, Los Angeles, Calif. Photographic cameras and camera accessories. Serial No. 525,294, Jan. 20. Class 26.
Broadcasting Publications, Inc., Washington, D. C. Weekly publication. Serial No. 511,058, Jan. 20. Class 38.
Broer, William F., Jr., Los Angeles, Calif. Filtered or colored lens for electric head lamps. Serial No. 524,521, Jan. 20. Class 21.
Brooks, Laura B. P., St. Louis, Mo. Hair oil, pressing oil and hair tonic. Serial No. 510,566, Jan. 20. Class 6.
Brookside Distilling Products Corporation, Scranton, Pa. Wine. Serial No. 523,821, Jan. 20. Class 47.
Brookside Distilling Products Corporation, Scranton, Pa. Whiskey, gin and brandy. Serial No. 523,822, Jan. 20. Class 49.
Brown, Clarence S., & Company, Inc., New York, N. Y. Cotton poplin fabrics. Serial No. 512,153, Jan. 20. Class 42.
Buda Company, The, Harvey, Ill. Bumping posts and car stops. Serial No. 527,752, Jan. 20. Class 14.
Burgot Alarms Limited, New Barnet, England. Burglar and fire alarm systems. Serial No. 500,277, Jan. 20. Class 21.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Ointment. Serial No. 529,141, Jan. 20. Class 6.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Dry viper venom for making solutions. Serial No. 529,143, Jan. 20. Class 6.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Ointment. Serial No. 529,144, Jan. 20. Class 6.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal preparation. Serial No. 529,145, Jan. 20. Class 6.
C-8 Laboratories: See—
Caruso, Mario.
Cahill, Joseph A., doing business as Cahill Manufacturing Company, New York, N. Y. Can openers. Serial No. 516,665, Jan. 20. Class 23.
Cahill Manufacturing Company: See—
Cahill, Joseph A.
Carnac & Weiner, New York, N. Y. Ladies' dresses. Serial No. 530,805, Jan. 20. Class 39.
Camillus-Cutlery Company, New York, N. Y. Plastic handles for cutlery. Serial No. 513,925, Jan. 20. Class 23.
Canva Products Company, Kansas City, Mo. Tarpaulins, tents, awnings, and turkey saddles. Serial No. 516,003, Jan. 20. Class 50.
Caruso, Mario, assignor to C-8 Laboratories, Newark, N. J. Electric cigarette vending machines. Serial No. 512,320, Jan. 20. Class 23.
Celanese Corporation of America, New York, N. Y. Sheets, films, foils, etc. capable of being molded under heat, etc. Serial No. 518,873, Jan. 20. Class 1.
Chattanooga Implement & Manufacturing Company, Chattanooga, Tenn. Fireplace tool sets. Serial No. 522,063, Jan. 20. Class 23.
Chemical Specialties Incorporated, Oakland, Calif. Synthetic detergent solution. Serial No. 531,098, Jan. 20. Class 4.
Ciba Pharmaceutical Products, Inc., Summit, N. J. Organic combination of minerals. Serial No. 482,920, Jan. 20. Class 6.
Clarke, J. N., Limited, Dublin, Eire. Ladies' outerwear. Serial No. 520,265, Jan. 20. Class 39.
Cohn-Goldwater Manufacturing Company, Los Angeles, Calif. Sport jackets, slacks, skirts, etc. Serial No. 515,158, Jan. 20. Class 39.
Comfort Slipper Corporation, Fitchburg, Mass. Slippers. Serial No. 522,115, Jan. 20. Class 39.
Commercial Expansion Corp. of U. S., assignor to Hugo Loewenthal, New York, N. Y. Wines. Serial No. 514,936, Jan. 20. Class 47.
Commonwealth Shoe and Leather Company, Whitman, Mass. Men's shoes. Serial No. 486,291, Jan. 20. Class 39.
Consolidated Razor Blade Co., Inc., doing business as Steel Tape Co. of America, Jersey City, N. J. Steel rules. Serial Nos. 507,672-3, Jan. 20. Class 26.
Continental Aviation and Engineering Corporation, Detroit and Muskegon, Mich. Airplane propellers and propeller hubs and parts thereof. Serial No. 499,391, Jan. 20. Class 19.
Controlmix Co.: See—
Leedy, Harold K.
Control Products, Inc., Harrison, N. J. Thermal electric switches. Serial No. 524,955, Jan. 20. Class 26.
Cumberland Mfg. Company, Nashville, Tenn. Medicinal preparations. Serial No. 516,116, Jan. 20. Class 6.
D. & D. Foods Company, Wenatchee, Wash. Canned fruit. Serial No. 515,610, Jan. 20. Class 46.
Darroth Limited, Cheadle, England. Photographic and cinematographic cameras, etc. Serial No. 515,748, Jan. 20. Class 26.

LIST OF TRADE-MARK APPLICANTS

Darrow, Abe E., Philadelphia, Pa. Medicinal preparation in the nature of an ointment. Serial No. 528,856, Jan. 20. Class 6.

Davisville Hosiery Mill, Davisville, Pa. Hosiery. Serial No. 520,864, Jan. 20. Class 39.

Dean, Charles W., Middleboro, Mass. Leather shoes. Serial No. 512,054, Jan. 20. Class 39.

De Flandre, Charles, New York, N. Y. Men's toiletries. Serial No. 492,902, Jan. 20. Class 6.

Dey Brothers & Company: See—
Allied Stores Corporation.

Dictaphone Corporation, Bridgeport, Conn. Microphones and loudspeakers. Serial No. 497,299, Jan. 20. Class 21.

Dietzgen, Eugene, Co., Chicago, Ill. Calculating devices. Serial No. 483,810, Jan. 20. Class 26.

Dietzgen, Eugene, Co., Chicago, Ill. Calculating devices. Serial No. 484,945, Jan. 20. Class 26.

Di-Met Proprietary Limited, West Melbourne, Australia. Pinks. Serial No. 518,941, Jan. 20. Class 16.

Dudley, Carl, doing business as Carl Dudley Productions, Beverly Hills, Calif. Series of motion picture films. Serial No. 520,018, Jan. 20. Class 26.

Dudley, Carl, Productions: See—
Dudley, Carl.

Edwal Laboratories, Inc., The, Chicago, Ill. Fine grain photographic developers. Serial No. 527,829, Jan. 20. Class 6.

Electra Voice Corporation, Chicago, Ill. Thermistor devices. Serial No. 509,835, Jan. 20. Class 26.

Emanuel, Lydia, New York, N. Y. Perfumes. Serial No. 516,402, Jan. 20. Class 6.

Empire Shield Company, Inc., New York, N. Y. Waterproof baby bibs, ladies' waterproof aprons and shower caps. Serial No. 529,243, Jan. 20. Class 39.

Emsig Manufacturing Company, New York, N. Y. Moulding powder and moulding plastic. Serial No. 523,192, Jan. 20. Class 1.

Endicott Johnson Corporation, Endicott, N. Y. Misses' and growing girls' shoes. Serial No. 489,574, Jan. 20. Class 39.

Everyday Poultry Supply Company: See—
Helman, Leslie J.

Fabrics of United Kingdom, Limited, New York, N. Y. Ladies' suits, dresses, blouses, etc. Serial No. 507,247, Jan. 20. Class 39.

Fairtex Kiddies Wear, Inc., New York, N. Y. Children's underwear. Serial No. 530,810, Jan. 20. Class 39.

Federal Manufacturing and Engineering Corp., Brooklyn, N. Y. Photographic cameras. Serial No. 517,567, Jan. 20. Class 26.

Felisco, Inc., New York, N. Y. Buckles for shoulder straps and for brassieres. Serial No. 523,575, Jan. 20. Class 40.

Filmed Fabrics Co., Chicago, Ill. Thin sheets of plastic film of the vinyl-type. Serial No. 500,976, Jan. 20. Class 42.

Fisher, Frederick D., Elmhurst, N. Y. Photographic printing masks. Serial No. 512,248, Jan. 20. Class 26.

Florida Frozen Fruits, Inc., Haines City, Fla. Canned citrus fruit juices. Serial No. 517,297, Jan. 20. Class 46.

Folly Cove Designers, Gloucester and Annisquam, Mass. Piece goods of silk, rayon, wool, etc. Serial No. 516,408, Jan. 20. Class 42.

Gallenkamp Stores Co., San Francisco, Calif. Shoes. Serial No. 464,943, Jan. 20. Class 39.

Galowin, Betty, doing business as Galowin Toiletries, New York, N. Y. Cosmetic cream. Serial No. 514,266, Jan. 20. Class 6.

Galowin Toiletries: See—
Galowin, Betty.

Gates, Miriam, Incorporated, Buffalo, N. Y. Breast forms. Serial No. 512,273, Jan. 20. Class 40.

Geerlings Feed Mills: See—
Geerlings, Petrus J.

Geerlings, Petrus J., doing business as Geerlings Feed Mills, Waterloo, Iowa. Feed for livestock and poultry. Serial No. 511,807, Jan. 20. Class 46.

General Aniline & Film Corporation, New York, N. Y. Chemical composition used as a dispersing agent. Serial No. 507,980, Jan. 20. Class 6.

General Printed String Company, Milwaukee, Wis. Crimped cotton tape. Serial No. 529,978, Jan. 20. Class 7.

General Shoe Corporation, Nashville, Tenn. Shoes. Serial No. 508,281, Jan. 20. Class 39.

Gladding, B. F., & Co., Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,067, Jan. 20. Class 22.

Gladding, B. F., & Co., Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,079, Jan. 20. Class 22.

Glaziers' Tool Mfg. Corp., Chicago, Ill. Glass cutters, glass cutter wheels, putty knives, etc. Serial No. 513,821, Jan. 20. Class 23.

Glicksman, A., and Company: See—
Glicksman, Aaron.

Glicksman, Aaron, doing business as A. Glicksman and Company, Chicago, Ill. Leather in the piece. Serial No. 524,792, Jan. 20. Class 1.

Glyco Products Co., Inc., Brooklyn, N. Y. Emulsifying agent and wetting agent. Serial No. 510,677, Jan. 20. Class 6.

Godman, H. C. Company, The, Columbus, Ohio. Boots and shoes. Serial No. 498,625, Jan. 20. Class 39.

Golde Manufacturing Company, Chicago, Ill. Cameras, projectors, and viewers. Serial No. 510,316, Jan. 20. Class 28.

Goldfab, Inc., New York, N. Y. Piece goods of wool, worsted, protein fiber, etc. Serial No. 523,777, Jan. 20. Class 42.

Goodall-Sanford, Inc., Sanford, Maine. Woolen friezes. Serial No. 524,798, Jan. 20. Class 42.

Gottesman & Company Incorporated, New York, N. Y. Wood pulp. Serial No. 524,182, Jan. 20. Class 1.

Graflex, Inc., Rochester, N. Y. Photographic apparatus. Serial No. 522,155, Jan. 20. Class 26.

Gramercy Toy Co., New York, N. Y. Stuffed toy dogs. Serial No. 497,711, Jan. 20. Class 22.

Great American Tea Company, The, New York, N. Y. Dental cream, cold cream, and toilet water. Serial No. 528,464, Jan. 20. Class 6.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Tea. Serial No. 527,361, Jan. 20. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Candy. Serial No. 527,475, Jan. 20. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Eggs. Serial No. 527,529, Jan. 20. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Butter. Serial No. 527,595, Jan. 20. Class 46.

Greenwood Paint Mfg. Co.: See—
Weinstein, George.

Guerra, Anthony, Hackensack, N. J. Kitchen knives. Serial No. 524,457, Jan. 20. Class 23.

Haloid Company, The, Rochester, N. Y. Sensitized photocopying papers. Serial No. 514,034, Jan. 20. Class 28.

Haloid Company, The, Rochester, N. Y. Light-sensitive paper. Serial No. 524,458, Jan. 20. Class 26.

Hat Corporation of America, Norwalk, Conn. Hats. Serial Nos. 524,186-7, Jan. 20. Class 39.

Heller, R. C., Co., Inc., Baltimore, Md. Pillows, mattresses and box springs. Serial No. 524,988, Jan. 20. Class 32.

Helman, Leslie, doing business as Everyday Poultry Supply Company, Sidney, Ohio. Equipment for the care and raising of poultry. Serial No. 524,607, Jan. 20. Class 50.

Herbert, Jess, Inc., New York, N. Y. Women's outer apparel. Serial No. 531,123, Jan. 20. Class 39.

Hinds Laboratories: See—
Hinds, William E.

Hinds, William E., doing business as Hinds Laboratories, Hillsboro, Oreg. Vanishing cream and cold cream. Serial No. 488,560, Jan. 20. Class 6.

Hodges, Benjamin F., doing business as Radiological Products Company, St. Louis, Mo. Marker holders. Serial No. 492,378, Jan. 20. Class 37.

Holt, Henry, and Company, Incorporated, New York, N. Y. Mechanically grooved phonograph records of the disc type. Serial No. 516,076, Jan. 20. Class 36.

Hood Bros., New York, N. Y. Ladies' night gowns, negligees, and slips. Serial No. 525,847, Jan. 20. Class 39.

Houbigant, Inc., New York, N. Y. Toilet soaps. Serial No. 536,254, Jan. 20. Class 4.

Hufnagel, Joseph A., Miami, Fla. Strip cartoons, cartoons, and newspaper columns. Serial No. 511,153, Jan. 20. Class 38.

Hughes, George N., doing business as National-Shok Fence Co., Vancouver, Wash. Electric fence controller. Serial No. 480,576, Jan. 20. Class 21.

Identiscope Company of America, The: See—
Spatz, Effie J.

Imperial Paper and Color Corporation, Glens Falls, N. Y. Wallpapers. Serial No. 515,179, Jan. 20. Class 37.

Ingrid of Hollywood, Hollywood, Calif. Ladies' underwear, blouses, hosiery, etc. Serial No. 517,306, Jan. 20. Class 39.

Interstate Dry Goods Syndicate Incorporated, The, Huntington, W. Va. Men's jackets, robes, sweaters, etc. Serial No. 522,018, Jan. 20. Class 39.

Jaquet, Incorporated, New York, N. Y. Toilet and bath soap. Serial No. 498,995, Jan. 20. Class 4.

Johnson, Charles H., doing business as Youngstown Mattress Company, Youngstown, Ohio. Mattresses and box springs. Serial No. 509,661, Jan. 20. Class 32.

Johnson & Johnson, New Brunswick, N. J. Sutures and ligatures. Serial Nos. 519,333-5, Jan. 20. Class 44.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Wire rope. Serial Nos. 529,388-9, Jan. 20. Class 7.

Kelley-Clarke Company, assignor, by mesne assignments, to Kelley-Clarke Company, Seattle, Wash. Canned fish. Serial No. 486,307, Jan. 20. Class 46.

Kelly-Wheaton Company, Toledo, Ohio. Dispensing tools. Serial Nos. 526,246-7, Jan. 20. Class 23.

Kennedy, David E., Inc., Brooklyn, N. Y. Floor tile. Serial No. 506,944, Jan. 20. Class 12.

Keresztes, Ladislav, doing business as Laker Hairspring Service, New York, N. Y. Shutter operating attachment. Serial No. 523,899, Jan. 20. Class 26.

Kinney, G. R., Co., Inc., New York, N. Y. Women's handbags. Serial No. 497,938, Jan. 20. Class 3.

Knapp-Monarch Company, St. Louis, Mo. Siphon bottles. Serial No. 515,768, Jan. 20. Class 2.

Kroll Brothers Company, Chicago, Ill. Baby carriages. Serial No. 510,707, Jan. 20. Class 19.

Kuhls, H. B., Fred, Brooklyn, N. Y. Waterproof cement used for patching. Serial No. 514,900, Jan. 20. Class 5.

LIST OF TRADE-MARK APPLICANTS

Lacey, Robert T., Spokane, Wash. Combined envelope and writing paper. Serial No. 512,424, Jan. 20. Class 37.

Lafond Chocolatier, New York, N. Y. Candy. Serial No. 509,352, Jan. 20. Class 48.

Laker Hairspring Service: See—
Keresztes, Ladislav.

Lambert Research Laboratories: See—
Lambert, William H.

Lambert, William H., doing business as Lambert Research Laboratories, Mineola, Mo. Canned prepared food product. Serial No. 524,065, Jan. 20. Class 46.

Lano Laboratory: See—
Schmucker, Rudolph A.

Laros Textile Company, Bethlehem, Pa. Ladies' slips. Serial No. 519,400, Jan. 20. Class 39.

LeBlond, R. K., Machine Tool Co., The, Cincinnati, Ohio. Metal lathes. Serial No. 522,415, Jan. 20. Class 23.

LeBlond, R. K., Machine Tool Co., The, Cincinnati, Ohio. Metal lathes. Serial No. 522,449, Jan. 20. Class 23.

Leedy, Harold K., doing business as Controlamix Co., Milwaukee, Wis. Electrically actuated counting apparatus. Serial No. 493,786, Jan. 20. Class 26.

Lelsy, C. J., & Associates, North Hollywood, Calif. Shoe cleaning unit. Serial No. 514,364, Jan. 20. Class 29.

Lewis Electrical Manufacturing Company: See—
Lewis, Herbert.

Lewis, Herbert, doing business as Lewis Electrical Manufacturing Company, New York, N. Y. Instrument for electroplating. Serial No. 514,963, Jan. 20. Class 21.

Liberty Films, Inc., Los Angeles, Calif. Motion picture photoplays. Serial No. 516,622, Jan. 20. Class 26.

Lincoln Laboratories, Incorporated, Decatur, Ill. Penicillin vehicle. Serial No. 511,341, Jan. 20. Class 6.

Loewenthal, Hugo, assignee: See—
Commercial Expansion Corp. of U. S.

Lorillard, P., Company, New York, N. Y. Chewing tobacco. Serial No. 525,347, Jan. 20. Class 17.

Lorillard, P., Company, New York, N. Y. Chewing tobacco. Serial Nos. 525,349-50, Jan. 20. Class 17.

Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 525,354, Jan. 20. Class 17.

Lorillard, P., Company, New York, N. Y. Cigarettes. Serial No. 525,356, Jan. 20. Class 17.

Majestic Specialties, Inc., Cleveland, Ohio and New York, N. Y. Skirts. Serial No. 524,547, Jan. 20. Class 39.

Mallinckrodt Chemical Works, St. Louis, Mo. Stabilized assimilable iodide-containing substances. Serial No. 526,866, Jan. 20. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Hydrogen peroxide. Serial No. 526,907, Jan. 20. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Tetraiodophenolphthalein sodium salt. Serial No. 526,936, Jan. 20. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Mercurial salt known as mercurous chloride. Serial No. 526,956, Jan. 20. Class 6.

Marcus & Wiesen, Inc., New York, N. Y. Girdles and corsets. Serial No. 522,585, Jan. 20. Class 39.

Marmon-Herrington Company, Inc., Indianapolis, Ind. Internal combustion engines and power transmissions. Serial No. 523,320, Jan. 20. Class 23.

Master Electric Company, The, Dayton, Ohio. Clutches. Serial No. 482,003, Jan. 20. Class 23.

McCullough, J. Chas. Seed Company, The, Cincinnati, Ohio. Lawn seed. Serial No. 514,369, Jan. 20. Class 1.

Meincke, Howard D., Chicago, Ill. Chemically treated starch. Serial No. 529,185, Jan. 20. Class 6.

Mercury Footwear, Inc., Pittston, Pa. Ladies' shoes. Serial No. 516,780, Jan. 20. Class 39.

Merit Manufacturing Company, Chicago, Ill. Stitch markers. Serial No. 518,242, Jan. 20. Class 40.

Meyers, Joseph, Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 505,437, Jan. 20. Class 28.

Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. Serial No. 523,598, Jan. 20. Class 39.

Meyers, Louis, & Son, Inc., New York, N. Y. Leathers. Serial No. 524,712, Jan. 20. Class 1.

Mido Products, Torrance, Calif. Chemical cleaning compounds. Serial No. 519,481, Jan. 20. Class 4.

Midwest Dairy Products Corp., Du Quoin, Ill. Chocolate coated vanilla ice cream bar. Serial No. 524,882, Jan. 20. Class 46.

Millar Brothers Mfg. Co.: See—
Millar, William N.

Millar, William N., doing business as Millar Brothers Mfg. Co., Detroit, Mich. Power driven lawn mowers. Serial No. 521,588, Jan. 20. Class 23.

Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Diethylstilbestrol. Serial No. 527,502, Jan. 20. Class 6.

Miller, E. S., Laboratories, Inc., Los Angeles, Calif. di-Desoxyephedrine. Serial No. 527,578, Jan. 20. Class 6.

Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Calcium levulinate. Serial No. 527,987, Jan. 20. Class 6.

Miskella Infra-Red Company, The: See—
Miskella, William J.

Miskella, William J., doing business as The Miskella Infra-Red Company, Cleveland, Ohio. Heating and drying ovens for heating and drying granular material etc. Serial No. 517,581, Jan. 20. Class 21.

Motoid Company, Inc., The, Chicago, Ill. Thermometers for curing acrylics. Serial No. 502,393, Jan. 20. Class 26.

Myers, E., Lye Corporation, St. Louis, Mo. Lye. Serial Nos. 529,917-18, Jan. 20. Class 6.

Myers, Walter H., Chalfont, Pa. Metal-working and wood-working hand tools. Serial No. 523,920, Jan. 20. Class 23.

Myrtle Knitting Mills, Inc., Unionville, Conn. Sweaters, jackets, and ski suits. Serial No. 521,202, Jan. 20. Class 39.

National Association of County Officials, Wilmington, Del., and Washington, D. C. Magazine. Serial No. 515,847, Jan. 20. Class 38.

National Carbon Company, Inc., New York, N. Y. Garment shoulder covers, and covers for household appliances. Serial No. 525,375, Jan. 20. Class 50.

National Sawdust Co., Inc., Brooklyn, N. Y. Granular mineral material product. Serial No. 525,494, Jan. 20. Class 4.

National-Shok Fence Co.: See—
Hughes, George N.

National Wax Company, Chicago, Ill. Compounded petroleum wax. Serial No. 504,923, Jan. 20. Class 1.

New Era Glass Company, Inc., New York, N. Y. Glass and mirrored furniture. Serial No. 519,083, Jan. 20. Class 32.

New Orleans Import Co., Limited, New Orleans, La. Tea. Serial No. 525,930, Jan. 20. Class 46.

Olin Industries, Inc., East Alton, Ill. Copper and its alloys. Serial No. 527,519, Jan. 20. Class 14.

Olin Industries, Inc., East Alton, Ill. Copper and its alloys. Serial No. 527,807, Jan. 20. Class 14.

Olin Industries, Inc., East Alton, Ill. Copper and its alloys. Serial No. 527,999, Jan. 20. Class 14.

Oliver, E. L.: See—
Oliver, Emilia L.

Oliver, Emilia L., doing business as E. L. Oliver, Nogales, Ariz. Fresh vegetables. Serial No. 523,797, Jan. 20. Class 46.

Owen, R. C., Company, Gallatin, Tenn. Chewing tobacco. Serial No. 521,279, Jan. 20. Class 17.

Owens-Illinois Glass Company, Toledo, Ohio. Pipe covering and heat insulating blocks. Serial No. 527,488, Jan. 20. Class 12.

Palmer, G. E., Co., Inc.: See—
Palmer Show Card Paint Company, Inc.

Palmer Show Card Paint Company, Inc., now by change of name G. E. Palmer Co., Inc., Detroit, Mich. Toy bubble kits. Serial No. 493,618, Jan. 20. Class 22.

Peel, Inc., New York, N. Y. Mechanical peeling machines. Serial No. 524,618, Jan. 20. Class 23.

Peppard, J. L., Kansas City, Mo. Field corn seed and sweet corn seed. Serial Nos. 525,099-100, Jan. 20. Class 1.

Perfect Circle Company, The, now by change of name Perfect Circle Corporation, Hagerstown, Ind. Antifreeze solution. Serial No. 498,450, Jan. 20. Class 6.

Perfect Circle Corporation: See—
Perfect Circle Company, The.

Petite Miss Co., New York, N. Y. Ladies' coats. Serial No. 530,678, Jan. 20. Class 39.

Plee-Zing Inc., Chicago, Ill. Ant killer preparation, insect killer preparation, hand cream, etc. Serial No. 510,721, Jan. 20. Class 6.

Polack, Larry, Inc., New York, N. Y. Maternity suspender garters. Serial No. 524,017, Jan. 20. Class 39.

Predicator Corporation, The, Norwalk, Conn. Chart. Serial No. 522,470, Jan. 20. Class 38.

"Q" Products Corporation, New York, N. Y. Bobby pins. Serial No. 530,119, Jan. 20. Class 40.

Quackenbush Company: See—
Allied Stores Corporation.

Radiological Products Company: See—
Hodges, Benjamin F.

Raybestos-Manhattan, Inc., Passaic, N. J. Friction material. Serial No. 519,695, Jan. 20. Class 35.

Richards-Wilcox Manufacturing Company, Aurora, Ill. Tracks for overhead load supporting and conveying mechanism. Serial No. 527,186, Jan. 20. Class 14.

Ridgefield Chemical Products Co., Inc., Ridgefield, N. J. Chemical preparations. Serial No. 512,990, Jan. 20. Class 6.

Rogers Publishing Co., Inc., The, Cincinnati, Ohio. Greeting cards. Serial No. 523,423, Jan. 20. Class 38.

Rohm & Haas Company, Philadelphia, Pa. Chemical mixture. Serial No. 529,825, Jan. 20. Class 6.

Roux, Jean, Paris, France. Bee hives, parts of bee hives, frames and racks therefor. Serial No. 519,345, Jan. 20. Class 50.

Sanit-All Products Corporation, Greenwich, Ohio. Bottle brushes. Serial No. 517,870, Jan. 20. Class 29.

Sanit-All Products Corporation, Greenwich, Ohio. Graduates and measuring cups. Serial No. 518,046, Jan. 20. Class 26.

Sanit-All Products Corporation, Greenwich, Ohio. Combination electric baby food cooker, warmer, double boiler, etc. Serial No. 518,047, Jan. 20. Class 21.

Schaaf, Cecil F., Flint, Mich. Building panels. Serial No. 518,326, Jan. 20. Class 12.

Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 528,647, Jan. 20. Class 6.

Scherrer, E. C., Inc., New York, N. Y. Synthetic straw braids. Serial No. 528,648, Jan. 20. Class 40.

LIST OF TRADE-MARK APPLICANTS

Schmucker, Rudolph A., doing business as Lano Laboratory, New Ulm, Minn. Hand lotion. Serial No. 523,546, Jan. 20. Class 6.

Schneider, Ethel D., New York, N. Y. Lipsticks, face powder, rouges, etc. Serial No. 487,527, Jan. 20. Class 6.

School of Speedwriting Inc., New York, N. Y. Printed lessons and examinations sheets. Serial No. 535,918, Jan. 20. Class 38.

Seamless Rubber Company, The, New Haven, Conn. Household gloves. Serial No. 523,481, Jan. 20. Class 39.

Seamless Rubber Company, The, New Haven, Conn. Combs. Serial No. 523,482, Jan. 20. Class 40.

Son-Chief Electric, Incorporated, Winsted, Conn. Automatic electric toasters. Serial No. 524,579, Jan. 20. Class 21.

Spatz, Elie J., doing business as The Indentoscope Company of America, Cleveland, Ohio. Cameras. Serial No. 524,831, Jan. 20. Class 26.

Spuck Iron & Foundry Co., St. Louis, Mo. Processed cast iron alloy metal. Serial No. 527,221, Jan. 20. Class 14.

Star-Perless Wall Paper Mills, Chicago, Ill. Wall paper. Serial No. 483,093, Jan. 20. Class 37.

Steel Tape Co. of America: See—

Consolidated Razor Blade Co., Inc.

Streit, Aron, Inc., New York, N. Y. Matzos. Serial No. 519,495, Jan. 20. Class 46.

Style-Rite Optical Corporation, New York and Brooklyn, N. Y. Spectacle frames. Serial No. 517,944, Jan. 20. Class 28.

Sugardale Provision Company, The, Canton, Ohio. Lard, luncheon meat, chopped pressed boneless ham, etc. Serial No. 480,722, Jan. 20. Class 46.

Sullivan, Sam H., Laredo, Tex. Ladies' shoes. Serial No. 519,423, Jan. 20. Class 39.

T. & E. Appliance Corp., Peabody, Mass. Deep fat fryers. Serial No. 513,223, Jan. 20. Class 34.

Timely Products Company, Columbus, Ohio. Template. Serial No. 521,486, Jan. 20. Class 26.

Topper, Curtis R., Meriden, Conn. Cigars. Serial No. 500,330, Jan. 20. Class 17.

Training Aids, Inc., Los Angeles, Calif. Printed educational cards. Serial No. 519,235, Jan. 20. Class 38.

Tri-State Plastic Molding Company, Henderson, Ky. Plastic bouncing play balls. Serial No. 507,352, Jan. 20. Class 22.

Trumbull Electric Manufacturing Co., The, Plainville, Conn. Bus bar electrical distribution system apparatus. Serial No. 511,706, Jan. 20. Class 21.

Tru-Stitch Moccasin Corporation, Malone, N. Y. Women's, misses', and children's shoes, slippers, and moccasins. Serial No. 517,532, Jan. 20. Class 39.

Turpin, Francois Armand, Paris, France. Wood stoves, coal stoves, sawdust stoves, etc. Serial No. 516,122, Jan. 20. Class 34.

United Association of Journeymen Plumbers and Steamfitters of the United States and Canada, Washington, D. C. Metallic or non-metallic pipe. Serial No. 508,486, Jan. 20. Class 13.

United States Rubber Company, New York, N. Y. Boots and shoes. Serial No. 488,628, Jan. 20. Class 39.

Valsey-Bristol Shoe Company, Incorporated: See—

Valsey, S. B., Shoe Co., Inc.

Valsey, S. B., Shoe Co., Inc., now by change of name Valsey-Bristol Shoe Company, Incorporated, Rochester, N. Y. Leather shoes. Serial No. 511,709, Jan. 20. Class 39.

Varell, Lia V., New York, N. Y. Panorama viewing box constituting an educational constructional toy. Serial No. 510,553, Jan. 20. Class 22.

Victor Equipment Co., San Francisco, Calif. Gas pressure gauges. Serial No. 523,098, Jan. 20. Class 26.

Vitamin Store of Iowa, The: See—

Wintroub, Murray M.

Vitron Corporation, The, Wilmington, Del. Venetian blind tape; textile tape. Serial No. 513,914, Jan. 20. Class 40.

Wallace, R. & Sons Manufacturing Company, Wallingford, Conn. Sterling silver flatware. Serial Nos. 525,164-8, Jan. 20. Class 28.

Watkins, J. R. Company, The, Winona, Minn. Medicated ointment. Serial No. 525,465, Jan. 20. Class 6.

Weinstein, George, doing business as Greenwood Paint Mfg. Co., Brooklyn, N. Y. Dry and ready-mixed paints, varnishes, lacquers, etc. Serial No. 508,014, Jan. 20. Class 16.

Weir, George, doing business as Associated Religious Service, Chicago, Ill. Pamphlets. Serial No. 508,947, Jan. 20. Class 38.

West Disinfecting Company, Long Island City, N. Y. Disinfectant. Serial No. 525,169, Jan. 20. Class 6.

Western Tablet & Stationery Corporation, Dayton, Ohio. Papereries. Serial No. 526,150, Jan. 20. Class 37.

Wilberg, Harold G., London, England. Pine essence for toilet purposes. Serial No. 502,174, Jan. 20. Class 6.

Widen, R. J., Company, North Adams, Mass. Leather. Serial No. 522,932, Jan. 20. Class 1.

Wilcox-Gay Corporation, The, Charlotte, Mich. Phonograph record blanks. Serial No. 499,298, Jan. 20. Class 38.

Wilson's, William M., Sons, Inc., Lansdale, Pa. Self-measuring gasoline pumps. Serial No. 503,336, Jan. 20. Class 26.

Winthrop Chemical Company, Inc., assignor to Winthrop Stearns Inc., New York, N. Y. Analgesic, antipyretic, and anti-rheumatic preparation. Serial No. 512,470, Jan. 20. Class 6.

Winthrop Stearns Inc.: See—

Winthrop Chemical Company, Inc.

Wintroub, Murray M., doing business as The Vitamin Store of Iowa, Des Moines, Iowa. Vitamin preparation. Serial No. 530,139, Jan. 20. Class 6.

Wittenberg, Sigbert L., Brooklyn, N. Y. Motion picture film splicers. Serial No. 521,708, Jan. 20. Class 26.

Woolworth, F. W., Co., New York, N. Y. Writing and printing paper and correspondence envelopes. Serial No. 504,815, Jan. 20. Class 37.

Yankee Shoemakers, Inc., Newmarket, N. H. Shoes. Serial No. 509,550, Jan. 20. Class 39.

Young and Young Company, Detroit, Mich. Hair pomades. Serial No. 514,388, Jan. 20. Class 6.

Youngtown Mattress Company: See—

Johnson, Charles H.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Accordion Company, New York, N. Y. Musical instruments. 436,108, Jan. 20; Serial No. 524,848, published Oct. 28, 1947. Class 36.

Acme Steel Company, Chicago, Ill. Galvanized stapling wire. 233,751, renewed Oct. 11, 1947. O. G. Jan. 20. Class 14.

Aktiengesellschaft für Textil-Industrie vormals Dollfus-Mieg & Cie., Mulhausen, Germany; Belfort and Paris, France; to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France. Cotton, linen, silk, woolen, and hair yarns and thread. 22,385, re-renewed Jan. 31, 1943. O. G. Jan. 20. Class 43.

Aktiengesellschaft für Textil-Industrie vormals Dollfus-Mieg & Cie., Mulhausen, Germany; Belfort and Paris, France; to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France. Cotton, linen, silk, woolen and hair yarns and thread. 22,387-8, re-renewed Jan. 31, 1943. O. G. Jan. 20. Class 43.

Abinal, Bartholomew A., Hoboken, N. J. Effervescent salt. 436,093, Jan. 20; Serial No. 522,693, published Oct. 21, 1947. Class 6.

Aluminum Company of America, Pittsburgh, Pa. Binding screws for loose leaf binders. 436,026, Jan. 20; Serial No. 515,356, published Oct. 28, 1947. Class 37.

American Fluorescent Company, The, Cincinnati, Ohio. Hydraulic cement base or compounds for coating surfaces of masonry structures. 436,062, Jan. 20; Serial No. 517,950, published July 15, 1947. Class 12.

American Fork and Hoe Company, The: See—

Kelly Axe Manufacturing Company.

American Oil Company, The, Baltimore, Md. Automobile polish, furniture polish, furniture and floor wax, etc. 436,015, Jan. 20; Serial No. 514,398, published Sept. 30, 1947. Class 16.

American Oil Company, The, Baltimore, Md. Automobile polish, furniture polish, furniture and floor wax, etc. 436,016, Jan. 20; Serial No. 514,400, published Sept. 30, 1947. Class 16.

American Oil Company, The, Baltimore, Md. Automobile polish, furniture polish, furniture and floor wax, etc. 436,020, Jan. 20; Serial No. 515,014, published Oct. 7, 1947. Class 16.

American Oil Company, The, Baltimore, Md. Automobile polish, furniture polish, furniture and floor wax, etc. 436,033, Jan. 20; Serial No. 516,050, published Oct. 14, 1947. Class 16.

American Sugar Refining Company, The, New York, N. Y. Sugar. 146,064, Aug. 30, 1921. Republished Jan. 20. Class 46.

American Thread Company, The, New York, N. Y. Embroidery transfer patterns and for fabric pieces. 435,998, Jan. 20; Serial No. 510,926, published Oct. 28, 1947. Class 40.

Amole Incorporated: See—

Mexican Amole Soap Co.

Andrews, William W., Detroit, Mich. Charts. 435,971, Jan. 20; Serial No. 501,107, published Oct. 28, 1947. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Archer, A. W., Co. Inc., New York, N. Y. Twine, rope and cord. 436,102, Jan. 20; Serial No. 523,065, published Oct. 14, 1947. Class 7.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Ladies' handbags, beach bags and travelling bags. 436,080, Jan. 20; Serial No. 521,005, published Oct. 7, 1947. Class 3.

Ardye Corporation, assignor to Interchemical Corporation, New York, N. Y. Dyestuffs and textile coloring materials. 435,967, Jan. 20; Serial No. 497,985, published Oct. 21, 1947. Class 6.

Aristocrat Leather Products, Inc., New York, N. Y. Wallets, pocketbooks and bill folds. 436,045, Jan. 20; Serial No. 517,228, published Oct. 28, 1947. Class 3.

Ariston, Incorporated, New York, N. Y. Calendars. 436,030, Jan. 20; Serial No. 515,740, published Oct. 21, 1947. Class 38.

Armand Company, The, Des Moines, Iowa. Lipstick, rouge, face cream, etc. 435,953, Jan. 20; Serial No. 483,130, published Dec. 25, 1946. Class 6.

Armstrong Cork Company: See—

Whittall Tatum Company.

Aspegren Mfg. Co., Inc., New York, N. Y. Device for transmitting power from automobiles. 435,969, Jan. 20; Serial No. 500,271, published Oct. 7, 1947. Class 23.

At-A-Toy Company, Kansas City, Mo. Toys. 435,972, Jan. 20; Serial No. 501,231, published Oct. 7, 1947. Class 22.

Atlas Publishing Company, New York, N. Y. Magazine. 436,118, Jan. 20. Class 38.

Aulabaugh Bros., Brosius, W. Va. Canned fruits. 436,110, Jan. 20. Class 46.

Aviation Corporation, The, Coldwater, Ohio. Rope and baler twine. 436,022, Jan. 20; Serial No. 515,215, published Sept. 16, 1947. Class 7.

B and R Fabrications, Inc., Reno, Nev. Deodorant. 436,007, Jan. 20; Serial No. 512,818, published Oct. 21, 1947. Class 6.

Bee Jay Products, Incorporated, Chicago, Ill. Punchboards, pull seal cards, and push cards. 435,983, Jan. 20; Serial No. 505,725, published Sept. 30, 1947. Class 22.

Beekman, Ben to Beekman's, New Orleans, La. Hats for men and boys. 229,996, renewed Jan. 11, 1947. O. G. Jan. 20. Class 39.

Beekman's: See—

Beekman, Ben.

Belsner, Henry H., New York, N. Y. Preparation for the treatment of piles. 435,978, Jan. 20; Serial No. 503,417, published Oct. 14, 1947. Class 6.

Belden Manufacturing Company, Chicago, Ill. Magnet-wires. 146,555, Sept. 13, 1921. Republished Jan. 20. Class 21.

Belden Manufacturing Company, Chicago, Ill. Rubber-covered electrical conductors. 146,556, Sept. 13, 1921. Republished Jan. 20. Class 21.

Benar Pharmaceutical Company, San Francisco, Calif. Nasal spray. 436,104, Jan. 20; Serial No. 523,353, published Oct. 21, 1947. Class 6.

Best Foods, Inc., The, New York, N. Y. Oatmeal and farina. 436,002, Jan. 20; Serial No. 512,369, published Oct. 7, 1947. Class 46.

Bills, Enoch F., Bordentown, N. J., by National Cranberry Association, Hanson, Mass. Cranberry jelly. 144,549, July 12, 1921. Republished Jan. 20. Class 46.

Black, Joseph & Sons Company, York, Pa. Stockings. 73,207, Mar. 30, 1909. Republished Jan. 20. Class 39.

Bond Diamond Company, New York, N. Y. Diamonds and diamond rings. 435,950, Jan. 20; Serial No. 473,268, published Oct. 21, 1947. Class 28.

Borden Company, The: See—

Merrell-Soule Company.

Broemmel, Geo. M.: See—

Broemmel, George M.

Broemmel, George M., also known as Geo. M. Broemmel, doing business as Broemmel Pharmaceuticals, San Francisco, Calif. Mosquito immunizing agent. 436,111, Jan. 20; Serial No. 525,783, published Oct. 21, 1947. Class 6.

Broemmel Pharmaceuticals: See—

Broemmel, George M.

Burleson, T. W.: See—

Burleson, Thomas Wm.

Burleson, Thomas Wm., to T. W. Burleson & Son, Waxahachie, Tex. Honey. 233,753, renewed Oct. 11, 1947. O. G. Jan. 20. Class 46.

Burnette, Smiley, doing business as Rancho Records North Hollywood, Calif. Mechanically grooved phonograph records. 436,027, Jan. 20; Serial No. 515,654, published Oct. 28, 1947. Class 36.

Cal-Fin Company: See—

Jackson, Gordon M.

California Frozen Fish Company: See—

Ventimiglia, S.

Campbell, Horace L., Petersburg, to H. L. Campbell, Springfield, Ill. Live chicks. 228,206, renewed May 24, 1947. O. G. Jan. 20. Class 46.

Campbell Products, Inc., New York, N. Y. Diuretic preparation. 436,086, Jan. 20; Serial No. 521,379, published Sept. 16, 1947. Class 6.

Capitol Products Company, The, Baltimore, Md. Dust mops. 436,103, Jan. 20; Serial No. 523,200, published Oct. 14, 1947. Class 29.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Lubricating oils and greases. 435,949, Jan. 20; Serial No. 470,938, published Oct. 21, 1947. Class 15.

Carnrick, John, renewed to Reed & Carnrick, Jersey City, N. J. An antitoxine and tissue builder. 25,787, Jan. 1, 1895. Amended. O. G. Jan. 20. Class 6.

Cellucotton Products Company, The, Neenah, Wis., by International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 134,900, Sept. 21, 1920. Republished Jan. 20. Class 44.

Charters-Davis Company to R. H. Verity, Sons & Co., Corona, Calif. Fresh citrus fruits. 226,767, renewed Apr. 19, 1947. O. G. Jan. 20. Class 46.

Chemola Manufacturing Company, Houston, Tex. Insecticides. 436,110, Jan. 20; Serial No. 525,193, published Oct. 14, 1947. Class 6.

Chicago Hi-Grade Button Co., Chicago, Ill. Buttons, non-precious ornaments, and braid. 436,040, Jan. 20; Serial No. 516,804, published Oct. 14, 1947. Class 40.

Chicago Radio Laboratory to Zenith Radio Corporation, Chicago, Ill. Electrical apparatus for radio signaling. 161,691, renewed Jan. 5, 1948. O. G. Jan. 20. Class 21.

Christian Cederroth to Christian Sten Sture Cederroth, Stockholm, Sweden. Mineral waters and mineral-water extracts. 219,827, renewed Oct. 26, 1946. O. G. Jan. 20. Class 45.

Christian Sten Sture Cederroth: See—

Christian Cederroth.

Ciba Limited: See—

Society of Chemical Industry in Basle.

Civilization, Inc., assignee: See—

Lang, Ernest.

Clafin Flour Mills, The: See—

Colorado Milling & Elevator Co., The.

Clark, Robert H., doing business as Robert H. Clark Company, Beverly Hills, Calif. Can openers. 436,072, Jan. 20; Serial No. 519,568, published Oct. 28, 1947. Class 23.

Clark, Robert H., Company: See—

Clark, Robert H.

Coca-Cola Company, The: See—

Coca Cola Company, The.

Coca Cola Company, The, Atlanta, Ga., to The Coca-Cola Company, New York, N. Y. Beverages and syrups. 238,145-8, renewed Jan. 31, 1948. O. G. Jan. 20. Class 45.

Colen, Bernard D., to Robert H. Fisher, New York, N. Y. Clocks. 229,169, renewed June 21, 1947. O. G. Jan. 20. Class 27.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Shampoo. 436,059, Jan. 20; Serial No. 518,938, published Sept. 2, 1947. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Personal deodorant. 436,109, Jan. 20; Serial No. 525,066, published Oct. 21, 1947. Class 6.

Colorado Milling & Elevator Co., doing business as The Eaton Flour Mills, Denver and Eaton, Colo., to The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 232,260, renewed Sept. 6, 1947. O. G. Jan. 20. Class 46.

Colorado Milling & Elevator Co., The, also doing business as The Clafin Flour Mills, Denver, Colo., and Clafin, Kans., to The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 232,421, renewed Sept. 6, 1947. O. G. Jan. 20. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo., also doing business as The Clafin Flour Mills, Clafin, Kans., to The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 233,399, renewed Sept. 27, 1947. O. G. Jan. 20. Class 46.

Commanditaire Vennootschap onder de firma C. J. van Houten & Zoon: See—

Van Houten, C. J., & Zoon.

Compress Buckle Company, Fort Worth, Tex., and Attalla, Ala., to Compress Buckle Co. of Alabama, Inc., Attalla, Ala. Buckles. 230,310, renewed July 19, 1947. O. G. Jan. 20. Class 13.

Compress Buckle Co. of Alabama, Inc.: See—

Compress Buckle Company.

Connelley Heating & Air Conditioning Company, St. Louis, Mo., and Springfield, Ill. Gravity warm air furnaces, forced air furnaces, and air conditioning furnaces, etc. 436,074, Jan. 20; Serial No. 519,927, published Oct. 14, 1947. Class 34.

Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, lipstick, etc. 436,028, Jan. 20; Serial No. 515,657, published Oct. 21, 1947. Class 6.

Consolidated Cosmetics, Chicago, Ill. Alarm clocks, watches and watch straps. 436,087, Jan. 20; Serial No. 521,502, published Oct. 21, 1947. Class 27.

Continental Can Company, Inc., New York, N. Y. Containers. 435,951, Jan. 20; Serial No. 477,916, published Nov. 4, 1947. Class 2.

Copp-Plus, Inc., Milwaukee, Wis. Hand cleansing detergents. 436,056, Jan. 20; Serial No. 518,662, published Sept. 23, 1947. Class 4.

Corral, Wodiska Y Ca., Tampa, Fla. Cigars. 239,749, renewed Mar. 13, 1948. O. G. Jan. 20. Class 17.

Courtaulds Limited, London, England. Yarns of cellulose. 234,818, renewed Nov. 8, 1947. O. G. Jan. 20. Class 43.

LIST OF REGISTRANTS OF TRADE-MARKS

Craddock-Terry Company to Craddock-Terry Shoe Corporation, Lynchburg, Va. Shoes. 238,782, renewed Feb. 14, 1948. O. G. Jan. 20. Class 39.

Craddock-Terry Corporation: See—
Craddock-Terry Company.

Craig, Sarah S., doing business as Katie Kate's Doll House, Fayetteville, Ark. Toys. 435,995, Jan. 20; Serial No. 509,829, published Sept. 30, 1947. Class 22.

Crown Zellerbach Corporation: See—
Western Waxed Paper Company of Oregon.

Daniel, Myer, Inc., New York, N. Y. Lamp shades. 435,992, Jan. 20; Serial No. 508,514, published Sept. 9, 1947. Class 34.

Daprato Statuary Company, Chicago, Ill. Statuary. 66,705, re-renewed Dec. 24, 1947. O. G. Jan. 20. Class 50.

Davignon, O. S., Co., Inc., North Attleboro, Mass. Jewelry. 436,050, Jan. 20; Serial No. 517,708, published Oct. 21, 1947. Class 28.

Dawn Donut Company of Jackson, Jackson, Mich. Doughnuts and doughnut mixture. 227,939, renewed May 17, 1947. O. G. Jan. 20. Class 46.

De Luxe Clock & Mfg. Co. Inc., New York, N. Y., by The Lux Clock Manufacturing Company, Waterbury, Conn. Alarm-clocks and other clocks. 130,058, Apr. 6, 1920. Republished Jan. 20. Class 27.

Dollfus-Mieg & Cie. Societe Anonyme: See—
Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie.

Dollfus Mieg & Cie. Societe Anonyme.

Dollfus Mieg & Cie. Societe Anonyme, Mulhouse and Alsace, France, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France. Instruction-books, and printed matter issued from time to time. 147,303, renewed Oct. 11, 1941. O. G. Jan. 20. Class 38.

Dollfus Mieg & Cie. Societe Anonyme, Mulhouse and Alsace, France, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France. Hosiery. 147,588, renewed Oct. 25, 1941. O. G. Jan. 20. Class 39.

Downey, Michael J., Nashua, N. H., to Michael J. Downey, Worcester, Mass. Liniment. 228,983, renewed June 14, 1947. O. G. Jan. 20. Class 6.

Drico Industrial Corporation: See—
Dri-Steam Valve Corporation.

Dri-Steam Valve Corporation, to Drico Industrial Corporation, New York, N. Y. Steam valves and parts thereof. 212,972, renewed May 18, 1946. O. G. Jan. 20. Class 13.

Dritz, John, & Sons, New York, N. Y. Plastic, rayon and mixed rayon and cotton yarns. 436,077, Jan. 20; Serial No. 520,497, published Sept. 30, 1947. Class 43.

Duranol Products, Inc., Brooklyn, N. Y. Cuff buttons, studs, dress buttons, etc. 435,982, Jan. 20; Serial No. 505,292, published Nov. 4, 1947. Class 40.

Eagle Roller Mill Co., New Ulm, Minn. Flour. 139,523, Feb. 8, 1921. Republished Jan. 20. Class 46.

Eagle Roller Mill Co., New Ulm, Minn. Flour. 145,969, Aug. 23, 1921. Republished Jan. 20. Class 46.

Eastern Machine Screw Corporation, The, New Haven, Conn. Automatic die-heads collapsible taps, threading machines, and screw-machines. 134,165, Aug. 17, 1920. Republished Jan. 20. Class 23.

Eaton Flour Mills, The: See—
Colorado Milling & Elevator Co.

Edmundson-Duhe Rice Mill Company, Inc., Rayne, La. Packaged rice. 436,010, Jan. 20; Serial No. 513,393, published Oct. 7, 1947. Class 46.

Empire Soap Company, New York, N. Y., by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 136,797, Nov. 9, 1920. Republished Jan. 20. Class 4.

Equitable Paper Bag Co. Inc., Long Island City, N. Y. Periodical. 436,021, Jan. 20; Serial No. 515,167, published Oct. 14, 1947. Class 38.

Eterne Manufacturing Corporation: See—
Reichman & Faust.

Fabric von Heyden Aktien-Gesellschaft, Radebeul, near Dresden, Germany, to William R. Warner & Co., Inc., New York, N. Y. Phenol bismuth compound and a tri-bromophenol bismuth-compound. 66,547, re-renewed Dec. 10, 1947. O. G. Jan. 20. Class 6.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. System-tonic. 144,668, July 12, 1921. Republished Jan. 20. Class 6.

Ferguson, J. L., Company, Joliet, Ill. Packaging machinery. 233,245, renewed Sept. 27, 1947. O. G. Jan. 20. Class 23.

Fidelity Audit and Tax Service: See—
Smallwood, Inc.

Finease Wristlet: See—
Gerstenblith, Dora.

Fisher, Robert E.: See—
Cole, Bernard D.

Fitzgerald, John F., Jr., Flushing, N. Y. Artificial flowers. 436,014, Jan. 20; Serial No. 514,836, published Oct. 14, 1947. Class 40.

Florida Fruit Growers' Association, Florin, Calif. Fresh fruits. 236,742, renewed Dec. 20, 1947. O. G. Jan. 20. Class 46.

Fraser & Company, New York, N. Y. Hack saw blades. 436,126, Jan. 20. Class 23.

Freund, Peter, Knitting Mills, North Bergen, N. J. Yarn. 436,048, Jan. 20; Serial No. 517,299, published Nov. 4, 1947. Class 43.

Funke, A. Edward, & Company, Inc., New York, N. Y. Ribbons. 435,980, Jan. 20; Serial No. 505,195, published Oct. 14, 1947. Class 40.

Garay & Co., Inc., New York, N. Y. Handbags. 436,081, Jan. 20; Serial No. 521,185, published Oct. 7, 1947. Class 3.

Gate Music Co.: See—
Oettinger, Selma J.

General Electric Company, Schenectady, N. Y. Insulated electric cord. 435,996, Jan. 20; Serial No. 510,429, published Jan. 7, 1947. Class 21.

General Fireproofing Co., The, Youngstown, Ohio. Safes, keys, locks, etc. 143,813, June 7, 1921. Republished Jan. 20. Class 25.

General Fireproofing Co., The, Youngstown, Ohio. Filing and storage cabinets; and boxes, drawers, etc. 147,606, Oct. 25, 1921. Republished Jan. 20. Class 32.

General Machine Company, Milwaukee, Wis. Golf clubs. 435,993, Jan. 20; Serial No. 509,511, published Sept. 30, 1947. Class 22.

Gerstenblith, Dora, doing business as Finesse Wristlet, Brooklyn, N. Y. Wrist watch attachments. 436,061, Jan. 20; Serial No. 519,066, published Oct. 21, 1947. Class 28.

Gits Molding Corporation, Chicago, Ill. Pocket knives, razor knives and spoons of base metal. 436,124-5, Jan. 20. Class 23.

Goeller, Lawrence E., doing business as Kippy-Kit Company, Circleville, Ohio. Clothes brushes and whisks and leather cases. 237,292, renewed Jan. 3, 1948. O. G. Jan. 20. Class 29.

Goodrich, B. F., Company, The: See—
Hood Rubber Company.

Graft, George B., Company, Boston, Mass., by George B. Graft Company (1928), Cambridge, Mass. File signals, index-tabs, paper clips. 103,233, Mar. 23, 1915. Republished Jan. 20. Class 37.

Graft, George B., Company (1928): See—
Graft, George B., Company.

Grauer, M. J., Company: See—
Vogel Brothers Company, Inc.

Grauer, Max J.: See—
Vogel Brothers Company, Inc.

Greenfield Tap and Die Corporation, Greenfield, Mass. Screw-cutting dies, taps, tapping attachments, etc. 147,319, Oct. 11, 1921. Republished Jan. 20. Class 23.

Greenfield Tap and Die Corporation, Greenfield, Mass. Screw-cutting dies, taps, tapping attachments, etc. 147,320-2, Oct. 11, 1921. Republished Jan. 20. Class 23.

Green View Tissue Mills, Inc., New York, N. Y. Paper table napkins, toilet tissue, and waxed wrapping paper. 436,037, Jan. 20; Serial No. 516,480, published Oct. 28, 1947. Class 37.

Greenwood, A. F., Company, New York, N. Y. Dolls. 435,958, Jan. 20; Serial No. 491,713, published Sept. 30, 1947. Class 22.

Gullett Gin Co., Amite, La. Cotton-ginning machinery. 238,026, renewed Jan. 24, 1948. O. G. Jan. 20. Class 23.

Haire Publishing Company, New York, N. Y. Monthly magazine. 234,274, renewed Oct. 18, 1947. O. G. Jan. 20. Class 38.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Anti-spasmodic medicinal preparation. 436,107, Jan. 20; Serial No. 524,604, published Oct. 21, 1947. Class 6.

Helrooom Needlework Guild, Inc., New York, N. Y. Handbags and pocketbooks. 436,093, Jan. 20; Serial No. 522,207, published Oct. 28, 1947. Class 3.

Hercules Forge Corporation, Los Angeles, Calif. Fencing tool. 435,991, Jan. 20; Serial No. 508,427, published Oct. 14, 1947. Class 23.

Herron Bros. & Meyer, New York, N. Y. High modulus, low capacitance, organic compounding ingredient. 436,044, Jan. 20; Serial No. 516,984, published Oct. 21, 1947. Class 6.

Hertz, Charles, Company, New York, N. Y. Umbrellas. 436,070, Jan. 20; Serial No. 519,513, published Sept. 23, 1947. Class 41.

Hoffman, Max, Boston, Mass. Overalls, jumpers, pants, and jackets. 138,259, Dec. 21, 1920. Republished Jan. 20. Class 39.

Hollins, William, & Company: See—
Hollins, William, and Company.

Hollins, William, and Company, Limited, Mansfield, Radford, Nottingham, Bridgeton, and London, England, and Glasgow, Scotland, to William Hollins & Company, Limited, Nottingham, England. Woolen piece goods and hair cloth. 63,690, re-renewed July 2, 1947. O. G. Jan. 20. Class 42.

Hollywood Doll Manufacturing Company: See—
Ippolito, Domenick.

Hom Ease Products Division, Inc., Paterson, N. J. Oil and gas heaters, oil fired steam and hot water domestic heating boilers, and oil burners. 436,127, Jan. 20. Class 34.

Hood Rubber Company, Watertown, Mass., to The B. F. Goodrich Company, New York, N. Y. Rubber boots and shoes, rubber overshoes, and rubber-sole canvas shoes. 210,815, renewed Mar. 23, 1946. O. G. Jan. 20. Class 39.

Hunt-Spiller Manufacturing Corporation, Boston, Mass. Unfinished metal castings. 239,656, renewed Mar. 6, 1948. O. G. Jan. 20. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

Huston, Tom, doing business as Tom Huston Peanut Company, to Tom Huston Peanut Co., Columbus, Ga. Fresh or salted peanuts. 233,233, renewed Sept. 27, 1947. O. G. Jan. 20. Class 46.

Huston, Tom, Peanut Co.: See—
Huston, Tom.

Huston, Tom, Peanut Company: See—
Huston, Tom.

Independent Baking Company, to Independent Biscuits, Inc., Davenport, Iowa. Crackers and biscuits. 237,146, renewed Jan. 3, 1948. O. G. Jan. 20. Class 46.

Independent Biscuits, Inc.: See—
Independent Baking Company.

Industrial Tape Corporation, New Brunswick, N. J. Metal-foil backed adhesive tapes. 435,952, Jan. 20; Serial No. 480,070, published Sept. 30, 1947. Class 5.

Interchemical Corporation, assignee: See—
Aridye Corporation.

International Braid Company, Providence, R. I. Venetian blind tapes. 436,095, Jan. 20; Serial No. 522,285, published Oct. 14, 1947. Class 40.

International Cellucotton Products Company: See—
Cellucotton Products Company, The.

International Harvester Company, Chicago, Ill. Rope, cord, twine, and binder-twine. 132,974, July 6, 1920. Republished Jan. 20. Class 7.

Interstate Folding Box Company, The, Middletown, Ohio. Folding boxes. 436,088, Jan. 20; Serial No. 521,522, published Nov. 4, 1947. Class 2.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 435,979, Jan. 20; Serial No. 504,839, published Sept. 30, 1947. Class 22.

Iron Fireman Manufacturing Company, Portland, Oreg. Light weight track-laying high speed power driven unit, etc. 436,112, Jan. 20. Class 23.

Jackson, Gordon M., doing business as Cal-Fin Company, South Pasadena, Calif. Heat exchanging tubing. 436,053, Jan. 20; Serial No. 518,079, published Sept. 16, 1947. Class 34.

January and Wood Company, Maysville, Ky. Cotton yarn and warp. 436,064, Jan. 20; Serial No. 519,329, published Sept. 23, 1947. Class 43.

January and Wood Company, Maysville, Ky. Twine and cord. 436,065, Jan. 20; Serial No. 519,330, published Nov. 4, 1947. Class 7.

January and Wood Company, Maysville, Ky. Carpet warp. 436,066, Jan. 20; Serial No. 519,331, published Nov. 4, 1947. Class 43.

January and Wood Company, Maysville, Ky. Cotton yarn. 436,067, Jan. 20; Serial No. 519,332, published Nov. 4, 1947. Class 43.

Johnson Motor Co., South Bend, Ind., to Outboard, Marine & Manufacturing Company, Milwaukee, Wis. Rowboats and motor boats. 227,850, renewed May 17, 1947. O. G. Jan. 20. Class 19.

Jolly Jewels, Baltimore, Md. Jewelry. 435,990, Jan. 20; Serial No. 507,637, published Oct. 21, 1947. Class 28.

Kamenstein, M., Inc., New York, and Maspeth, L. I., N. Y. Certain receptacles made from sheet metal. 436,105, Jan. 20; Serial No. 524,190, published Nov. 4, 1947. Class 2.

Katie Kate's Doll House: See—
Craig, Sarah S.

Kellogg Seed Company, Milwaukee, Wis. Field and grass seeds. 131,150, May 4, 1920. Republished Jan. 20. Class 1.

Kellogg, Spencer, and Sons, Inc., Buffalo, N. Y. Edible soy bean oil. 436,063, Jan. 20; Serial No. 519,105, published Oct. 14, 1947. Class 46.

Kelly Axe Manufacturing Company, Alexandria, Ind., and Louisville, Ky., and New York, N. Y., by The American Fork and Hoe Company, Cleveland, Ohio. Axes. 27,371, Nov. 26, 1895. Republished Jan. 20. Class 23.

King Refrigerator Corporation, Brooklyn, N. Y. Ice refrigerators. 436,068, Jan. 20; Serial No. 519,338, published Oct. 14, 1947. Class 31.

Kingan & Co. Incorporated: See—
Kingan and Company, Limited.

Kingan and Company, Limited, to Kingan & Co. Incorporated, Indianapolis, Ind. Cured meats and sausage. 67,726, re-renewed Feb. 18, 1948. O. G. Jan. 20. Class 46.

Kippy-Kit Company: See—
Goeller, Lawrence E.

Kirk, C. F., Company, New York, N. Y. Intramuscular injection product. 435,999, Jan. 20; Serial No. 511,163, published Oct. 21, 1947. Class 6.

Klein, Muller & Horton, Inc., New York, N. Y. Diamond rings, colored stone rings, ornaments, etc. 436,049, Jan. 20; Serial No. 517,370, published Oct. 21, 1947. Class 28.

Knight Leather Products Co. Inc., Boston, Mass. Billfolds. 436,071, Jan. 20; Serial No. 519,527, published Oct. 7, 1947. Class 3.

Kuris, Jack, New York, N. Y. Buttons and buckles made of non-precious metal. 436,123, Jan. 20. Class 40.

La Societe Anonyme Des Amictonnerie & Riserie De France, Marquette-Lille, France, to La Societe Anonyme Des Amictonnerie & Riserie De France, Marquette-Lille, France. Sauce and ingredient for sauces. 154,795, renewed May 9, 1942. O. G. Jan. 20. Class 46.

La Societe Generale De Produits Specialises to Societe Anonyme de Marques, Geneva, Switzerland. Laxative and cathartic. 228,878, renewed June 14, 1947. O. G. Jan. 20. Class 6.

Lactona Incorporated, St. Paul, Minn. Hair brushes, hair brush sets, and hair brush handles. 436,089-91, Jan. 20; Serial Nos. 521,908-10, published Oct. 14, 1947. Class 29.

Lang, Ernest, assignor to Civilization, Inc., Los Angeles, Calif. Periodical publication. 435,966, Jan. 20; Serial No. 407,028, published Oct. 21, 1947. Class 38.

Larson, Stina, New York, N. Y. Suitcases, such as overnight cases. 435,968, Jan. 20; Serial No. 500,089, published Oct. 28, 1947. Class 3.

Laoko Strap Company, New York, N. Y. Leather wrist watch straps. 436,041, Jan. 20; Serial No. 516,774, published Oct. 28, 1947. Class 40.

Le Ripolin (Societe Anonyme Francaise de Peintures Laquees et d'Enduits Sous-Marins Procédés Lafranc & Briegleb Réunis), Paris, France and Amsterdam, Netherlands, to Societe Le Ripolin (Societe Anonyme Francaise de Peintures Laquees et d'Enduits Sous-Marins, Procédés Lafranc & Briegleb Réunis), Paris, France. Enamel-paint. 61,062, re-renewed Mar. 6, 1947. O. G. Jan. 20. Class 16.

Lektrolite Corporation, New York, N. Y. Cigar, cigarette, and pipe lighters. 436,084-5, Jan. 20; Serial Nos. 521,284-5, published Sept. 23, 1947. Class 34.

Lucky-Heart Laboratories, Inc., Memphis, Tenn. Perfumes. 436,038, Jan. 20; Serial No. 516,489, published Oct. 21, 1947. Class 6.

Lux Clock Manufacturing Company, The: See—
De Luxe Clock & Mfg. Co. Inc.

Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks. 436,082, Jan. 20; Serial No. 521,194, published Oct. 21, 1947. Class 27.

Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks. 436,083, Jan. 20; Serial No. 521,196, published Oct. 21, 1947. Class 27.

Lyon & Greenleaf, Wauson, Ohio and Ligonier, Ind., to Lyon & Greenleaf Company, Ligonier, Ind. Wheat-flour. 63,531, re-renewed June 25, 1947. O. G. Jan. 20. Class 46.

Lyon & Greenleaf Company: See—
Lyon & Greenleaf.

Maas & Waldstein Company, Newark, N. J. Cellulose acetate coating compositions or lacquer. 435,957, Jan. 20; Serial No. 488,341, published Sept. 23, 1947. Class 16.

Manufactured Specialties, Inc., New York, N. Y. Billfolds, wallets, overnight bags, etc. 436,092, Jan. 20; Serial No. 522,160, published Oct. 21, 1947. Class 3.

Marketing Publications, Inc., New York, N. Y. Publication. 436,034, Jan. 20; Serial No. 516,084, published Oct. 21, 1947. Class 38.

Marnet Co., Great Neck, N. Y. Toys. 435,964, Jan. 20; Serial No. 495,315, published Sept. 30, 1947. Class 22.

Mavic Enterprises: See—
Newman, Victor.

McColl, Thomas, Gloucester City, N. J. Mouthpiece for musical instruments. 436,024, Jan. 20; Serial No. 515,320, published Oct. 28, 1947. Class 36.

McDonnell Aircraft Corporation, Lambert Field, St. Louis, Mo. Airplanes. 436,035, Jan. 20; Serial No. 516,867, published Sept. 16, 1947. Class 19.

Megalizi, Antonio, Detroit, Mich. Ulcer remedy for internal use. 436,005, Jan. 20; Serial No. 512,664, published Oct. 14, 1947. Class 6.

Menasco Manufacturing Company, Burbank, Calif. Automobile jacks. 436,120, Jan. 20. Class 23.

Mente & Co., Inc., New Orleans, La. Sugar-bag cloth. 233,270, renewed Sept. 27, 1947. O. G. Jan. 20. Class 42.

Merrell-Soule Company, Syracuse, to The Borden Company, New York, N. Y. Lemon pie filling. 236,918, renewed Dec. 27, 1947. O. G. Jan. 20. Class 46.

Mexican Amole Soap Co., Peoria, Ill., to Amole Incorporated, Tipp City, Ohio. Soap. 61,635, re-renewed Apr. 2, 1947. O. G. Jan. 20. Class 4.

Midwest Sporting Goods Mfg. Co., Milwaukee, Wis. Boxing gloves, baseball gloves, and mitts, etc. 436,055, Jan. 20; Serial No. 518,305, published Sept. 30, 1947. Class 22.

Montet, Henri, Charlotte, N. C. French dressing. 436,009, Jan. 20; Serial No. 513,068, published Oct. 7, 1947. Class 46.

Morley Button Manufacturing Company, Portland, Maine and Boston, Mass., by The Morley Company, Portsmouth, N. H. Non-metallic buttons. 130,215, Apr. 13, 1920. Republished Jan. 20. Class 40.

Morley Button Manufacturing Company, Boston, Mass., by The Morley Company, Portsmouth, N. H. Buttons. 144,010, June 21, 1921. Republished Jan. 20. Class 40.

Morley Company, The: See—
Morley Button Manufacturing Company.

Morrison, Robert B., Northbrook, Ill. Monthly news publication. 486,113, Jan. 20. Class 38.

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Mutual International Corporation, New York, N. Y. Fire extinguishers. 436,029, Jan. 20; Serial No. 515,721, published Sept. 30, 1947. Class 23.

N. V. Hollandsche Kunstzijde Industrie: See—
Naamlooze Vennootschap Hollandsche Kunstzijde Industrie.

Naamlooze Vennootschap Hollandsche Kunstzijde Industrie, Emer, Breda, Netherlands, to N. V. Hollandsche Kunstzijde Industrie, Breda, Netherlands. Artificial silk thread and yarn. 192,774, renewed Dec. 9, 1944. O. G. Jan. 20. Class 43.

Nash-De Camp Company, Berkeley, Calif. Fresh deciduous fruits and fresh citrus fruits. 436,058, Jan. 20; Serial No. 518,732, published Oct. 7, 1947. Class 46.

Nash Inc., Jersey City, N. J. Billfolds, pocket books, purses and wallets. 436,060, Jan. 20; Serial No. 518,964, published Sept. 23, 1947. Class 3.

National Cranberry Association: See—
Bills, Enoch F.

National Machine Products, doing business as Ellinwood Industries, Los Angeles, Calif. Hydraulic transmitter units, hydraulic receiver units, thermal compensator units, etc. 436,006, Jan. 20; Serial No. 512,790, published Oct. 14, 1947. Class 23.

National Tube Company, Pittsburgh, Pa. Empty metal containers. 435,961, Jan. 20; Serial No. 493,141, published Nov. 4, 1947. Class 2.

Nay Laboratories, Inc., Cincinnati, Ohio. Rat bait, roach and ant food, etc. 436,076, Jan. 20; Serial No. 520,290, published Oct. 21, 1947. Class 6.

Naylor, H. W., Co.: See—
Naylor, Howard W.

Naylor, Howard W., doing business as H. W. Naylor Co., Morris, N. Y. Veterinary preparation. 435,985, Jan. 20; Serial No. 506,953, published Oct. 21, 1947. Class 6.

Nelson-Eismann Company, The: See—
Nelson-Eismann-Quist Co., The.

Nelson-Eismann-Quist Co., The, by The Nelson-Eismann Company, Chicago, Ill. Carbon-paper and typewriter ribbons. 142,637, May 17, 1921. Republished Jan. 20. Class 11.

Newark Paraffine & Parchment Paper Co., Newark, N. J. Wrapping paper. 436,000, Jan. 20; Serial No. 511,410, published Sept. 16, 1947. Class 37.

New Bremen Broom Company, The, New Bremen, Ohio. Brooms. 436,096, Jan. 20; Serial No. 522,414, published Oct. 14, 1947. Class 29.

Newman, Victor, doing business as Mavic Enterprises, New York, N. Y. Non-electrical hair curlers. 435,981, Jan. 20; Serial No. 505,225, published Oct. 14, 1947. Class 40.

New York Yarn Co., Inc., New York, N. Y. Yarns. 436,097, Jan. 20; Serial No. 522,586, published Oct. 14, 1947. Class 43.

Niles-Bement-Pond Company: See—
Pratt & Whitney Company.

Northrup, King & Co., Minneapolis, Minn. Seeds. 105,447, July 27, 1915. Republished Jan. 20. Class 1.

Oakes & Company, Chicago, Ill. Automobile and bicycle tire pumps and automobile jacks. 436,062, Jan. 20; Serial No. 519,090, published Oct. 21, 1947. Class 23.

Oelrich & Berry Company, Chicago, Ill. Molasses. 232,689, renewed Sept. 13, 1947. O. G. Jan. 20. Class 46.

Oettinger, Selma J., doing business as Gate Music Co., New York, N. Y. Sheet music. 435,984, Jan. 20; Serial No. 506,466, published Sept. 30, 1947. Class 38.

Ohio Salt Company, The, Wadsworth, Ohio. Salt. 240,820, renewed Apr. 10, 1948. O. G. Jan. 20. Class 46.

Omicron Delta Kappa Society, The, New York, N. Y. News magazine. 436,012, Jan. 20; Serial No. 513,758, published Sept. 30, 1947. Class 38.

O'Neill, James M., Camden, N. J. Newspaper column. 435,997, Jan. 20; Serial No. 510,610, published Oct. 21, 1947. Class 38.

Onyz Oil & Chemical Company, Jersey City, N. J. Finish for textiles and textile fabrics. 436,117, Jan. 20. Class 6.

Osborne Company, The, Newark, N. J., and New York, N. Y., to The Osborne Company, Clifton, N. J. Advertising-calendars and advertising-blotters. 65,333, renewed Sept. 17, 1947. O. G. Jan. 20. Classes 37 and 38.

O'Sullivan, Inc., Baltimore, Md. Aerosol bombs. 435,973, Jan. 20; Serial No. 502,529, published Oct. 14, 1947. Class 6.

Outboard Marine & Manufacturing Company: See—
Johnson Motor Co.

Palley, W. J. Co.: See—
Palley, William J.

Palley, William J., doing business as W. J. Palley Co., Boston, Mass. Baby sleeping harness. 436,057, Jan. 20; Serial No. 518,691, published Sept. 23, 1947. Class 40.

Pakula and Company, Chicago, Ill. Watch bracelets. 436,079, Jan. 20; Serial No. 520,895, published Oct. 21, 1947. Class 28.

Pal Shaving Brush, Inc., New York, N. Y. Shaving brushes, toothbrushes, hairbrushes, etc. 436,042, Jan. 20; Serial No. 516,915, published Oct. 21, 1947. Class 29.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 435,988, Jan. 20; Serial No. 507,485, published Oct. 21, 1947. Class 15.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 435,989, Jan. 20; Serial No. 507,487, published Oct. 21, 1947. Class 15.

Parapluie-Revel, Lyon, France. Umbrellas and parasols. 191,342, renewed Nov. 4, 1944. O. G. Jan. 20. Class 41.

Parents' Institute, Inc., The, New York, N. Y. Sports magazine for boys to be published every other month. 436,121, Jan. 20. Class 38.

Parfums Forvil et Dentifrices du Docteur Pierre Reunis, Societe Anonyme: See—
Societe Anonyme des Dentifrices du Docteur Pierre Reunis.

Patterson, John, Staffordshire, England. Articles made of leather or imitation leather. 435,959, Jan. 20; Serial No. 492,391, published Oct. 21, 1947. Class 3.

Pearson, James G., doing business as Pearson's Photo Service, Laurnes, S. C. Photographic prints. 435,986, Jan. 20; Serial No. 507,016, published Oct. 21, 1947. Class 38.

Pearson's Photo Service: See—
Pearson, James G.

Peerless Wolfson Company: See—
Wolfson Company, The.

Peterson Filters and Engineering Co., Salt Lake City, Utah. Filters; filter replacement parts, and filter supplies. 435,947, Jan. 20; Serial No. 461,417, published Sept. 30, 1947. Class 31.

Peterson Filters and Engineering Co., Salt Lake City, Utah. Filters; filter replacement parts, and filter supplies. 435,948, Jan. 20; Serial No. 461,420, published Sept. 30, 1947. Class 31.

Phelps Dodge Copper Products Corporation, New York, N. Y. Non-metallic sheathed cable. 435,960, Jan. 20; Serial No. 493,023, published Sept. 10, 1946. Class 21.

Picon & Cie, Marseille, France. Medicinal bitter wine. 161,828, renewed Nov. 21, 1942. O. G. Jan. 20. Class 6.

Pinking Shears Corporation, New York, N. Y. Shears of metal, plastic, or other material with teeth for cutting serrated edges. 436,122, Jan. 20. Class 23.

Plastic Materials Corp., New York, N. Y. Plastic knitting needles. 435,976, Jan. 20; Serial No. 502,918, published Oct. 21, 1947. Class 40.

Plattner Company Inc., Kansas City, Mo. Combs. 436,069, Jan. 20; Serial No. 519,490, published Sept. 23, 1947. Class 40.

Polan, Katz & Company, Inc.: See—
Polan, Katz & Co.

Polan, Katz & Co. to Polan, Katz & Company, Inc., Baltimore, Md. Umbrellas. 240,161, renewed Mar. 20, 1948. O. G. Jan. 20. Class 41.

Portland Cordage Co., The, Portland, Oreg., by Tubbs Cordage Company, San Francisco, Calif. Manila rope. 142,709, May 17, 1921. Republished Jan. 20. Class 7.

Portland Cordage Co., The, Portland, Oreg., by Tubbs Cordage Company, San Francisco, Calif. Manila rope. 142,713, May 17, 1921. Republished Jan. 20. Class 7.

Portland Cordage Co., The, Portland, Oreg., by Tubbs Cordage Company, San Francisco, Calif. Lariat-ropes. 149,485, Dec. 13, 1921. Republished Jan. 20. Class 7.

Portland Cordage Co., The, Portland, Oreg., by Tubbs Cordage Company, San Francisco, Calif. Transmission rope. 150,932, Jan. 10, 1922. Republished Jan. 20. Class 7.

Portland Cordage Co., The, Portland, Oreg., by Tubbs Cordage Company, San Francisco, Calif. Manila rope. 155,052, May 16, 1922. Republished Jan. 20. Class 7.

Portland Cordage Co., The, Portland, Oreg., by Tubbs Cordage Company, San Francisco, Calif. Rope and twine. 177,938, Jan. 1, 1924. Republished Jan. 20. Class 7.

Portland Cordage Co., The, Portland, Oreg., by Tubbs Cordage Company, San Francisco, Calif. Hard fibre twine and cordage. 239,654, Mar. 6, 1928. Republished Jan. 20. Class 7.

Practical Products Company, Minneapolis, Minn. Liquid petroleum solvents. 436,036, Jan. 20; Serial No. 516,377, published Sept. 9, 1947. Class 4.

Pratt & Whitney Company, New York, by Niles-Bement-Pond Company, West Hartford, Conn. Milling cutters. 140,522, Mar. 15, 1921. Republished Jan. 20. Class 23.

Procter & Gamble Company, The: See—
Empire Soap Company.

Procter & Gamble Company, Cincinnati, Ohio. Lard substitute. 128,488, Jan. 6, 1920. Republished Jan. 20. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 182,037, June 8, 1920. Republished Jan. 20. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 132,229, June 15, 1920. Republished Jan. 20. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 134,773, Sept. 14, 1920. Republished Jan. 20. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Glycerin. 140,015, Mar. 1, 1921. Republished Jan. 20. Class 6.

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Quaker City Rubber Company, Wissinoming, Philadelphia, Pa., to Quaker Rubber Corporation, Philadelphia, Pa. Belting. 232,069, renewed Aug. 30, 1947. O. G. Jan. 20. Class 35.

Quaker Rubber Corporation: See—
Quaker City Rubber Company.

Ralphs-Pugh Company, San Francisco, Calif. Men's and boys' waterproofed leather work coats, vests, trousers, etc. 235,176, renewed Nov. 15, 1947. O. G. Jan. 20. Class 39.

Rancho Records: See—
Burnette, Smiley.

Raskas Dairy, Inc.: See—
Raskas, Louis S.

Raskas, Louis S., to Raskas Dairy, Inc., St. Louis, Mo. Dairy products. 240,486, renewed Mar. 27, 1948. O. G. Jan. 20. Class 46.

Reed & Carnrick: See—
Carnrick, John.

Reichman & Faust, to Eterne Manufacturing Corporation, New York, N. Y. Nail polish. 229,970, renewed July 12, 1947. O. G. Jan. 20. Class 6.

Renoir Parfums, Ltd., New York, N. Y. Perfume. 436,031, Jan. 20; Serial No. 515,963, published Oct. 21, 1947. Class 6.

Rivchun, Charles S., & Sons, Cleveland, Ohio. Diamond rings. 436,011, Jan. 20; Serial No. 513,583, published Oct. 21, 1947. Class 28.

Robertson, H. H., Company, Pittsburgh, Pa. Ventilating apparatus. 435,954, Jan. 20; Serial No. 483,150, published Sept. 30, 1947. Class 34.

Robinson Milling Company, The, Salina, Kans. Wheat-flour. 130,230, Apr. 13, 1920. Republished Jan. 20. Class 46.

Robinson Milling Company, The, Salina, Kans. Wheat-flour. 130,894, May 4, 1920. Republished Jan. 20. Class 46.

Röhm & Haas Company, Philadelphia, Pa. Cellulose-ester lacquers. 232,759, renewed Sept. 13, 1947. O. G. Jan. 20. Class 16.

Röhm & Haas Company, Philadelphia, Pa. Chemical compound used in dyeing, bleaching, and tanning leather. 237,407, renewed Jan. 10, 1948. O. G. Jan. 20. Class 6.

Royal Dutch Products Corp., New York, N. Y. Prepared mustard. 436,004, Jan. 20; Serial No. 512,612, published Oct. 7, 1947. Class 46.

Sager, Solomon M., Chicago, Ill. Fountain pens and ball point fountain pens. 435,970, Jan. 20; Serial No. 500,702, published Oct. 28, 1947. Class 37.

Sanalizer Corporation, Los Angeles, Calif. Deodorant for refuse containers. 435,975, Jan. 20; Serial No. 502,721, published Oct. 14, 1947. Class 6.

San Jose Paper Co., San Jose, Calif., by Zellerbach Paper Company, San Francisco, Calif. Printing paper, writing paper, wrapping paper, etc. 201,341, July 21, 1925. Republished Jan. 20. Class 37.

Saporito Company: See—
Saporito, Vincento.

Saporito, Vincento, doing business as Saporito Company, Brooklyn, N. Y. Lotion for ulcers, eczema, erythema, etc. 225,717, renewed Mar. 22, 1947. O. G. Jan. 20. Class 6.

Schneider, Walter J., Tenafly, N. J. Enteric coated tablets of ferrous sulfate. 436,075, Jan. 20; Serial No. 519,985, published Oct. 21, 1947. Class 6.

Scientific Anglers, assignor to Scientific Anglers, Inc., Midland, Mich. Waterproofing composition. 435,963, Jan. 20; Serial No. 494,709, published Dec. 17, 1946. Class 4.

Scientific Anglers, Inc., assignee: See—
Scientific Anglers.

Scott Aviation Corporation, The, Lancaster, N. Y. Portable compressed air carriers provided with a dispensing hose, gage, etc. 436,114, Jan. 20. Class 23.

Seoville Manufacturing Company, Waterbury, Conn. Snap fasteners. 436,073, Jan. 20; Serial No. 519,837, published Sept. 30, 1947. Class 40.

Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Inkstands and inkwells. 132,242, June 15, 1920. Republished Jan. 20. Class 37.

Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Sanitary moisteners for gummed surfaces. 132,520, June 22, 1920. Republished Jan. 20. Class 37.

Seufert Brothers Company, The, Dallas, Oreg. Canned fish. 436,019, Jan. 20; Serial No. 514,852, published Oct. 7, 1947. Class 46.

Sevic, Otto, Chicago, Ill. Smoking pipes. 436,099-100, Jan. 20; Serial Nos. 522,801-2, published Oct. 23, 1947. Class 8.

Sheppard, R. H., Company, Incorporated, Hanover, Pa. Internal combustion engines. 436,119, Jan. 20. Class 23.

Sinclair, H. M., Jr., trustee: See—
Sinclair Manufacturing Company, The.

Sinclair Manufacturing Company, The, by H. M. Sinclair, Jr., trustee for The Sinclair Manufacturing Company, Toledo, Ohio. Powdered lye. 134,805, Sept. 14, 1920. Republished Jan. 20. Class 6.

Sitroux, Inc., New York, N. Y. Facial tissues. 435,956, Jan. 20; Serial No. 486,875, published Mar. 5, 1946. Class 37.

Smallwood, Inez, doing business as Fidelity Audit and Tax Service, Asheville, N. C. Blank bookkeeping forms. 436,039, Jan. 20; Serial No. 516,509, published Oct. 28, 1947. Class 37.

Smith, Benjamin D., doing business as Smith Mfg. Co., Utica, N. Y. Insecticides. 436,106, Jan. 20; Serial No. 524,489, published Oct. 21, 1947. Class 6.

Smith, Kline & French Laboratories, Philadelphia, Pa. Pharmaceutical preparations. 436,025, Jan. 20; Serial No. 515,336, published Oct. 14, 1947. Class 6.

Smith Mfg. Co.: See—
Smith, Benjamin D.

Smith, Wm. J., Co. Inc., New York, N. Y. Musical publications. 236,456, Dec. 13, 1927. Corrected. O. G. Jan. 20. Class 38.

Societe Anonyme de Marques: See—
La Societe General De Produits Specialises.

Societe Anonyme des Dentifrices du Docteur Pierre Reunis, Societe Anonyme, Nanterre, France. Soaps. 196,909, renewed Mar. 31, 1945. O. G. Jan. 20. Class 4.

Societe Anonyme Du Filtre Chamberland, Systeme Pasteur, Paris, France. Filters. 156,324, renewed June 20, 1942. O. G. Jan. 20. Class 31.

Societe Le Ripolin (Societe Anonyme Francaise de Peintures Laquees et d'Enduits). Sous-Marins Procédés Lefranc & Briegleb Reunis: See—
Le Ripolin (Societe Anonyme Francaise de Peintures Laquees et d'Enduits). Sous-Marins Procédés Lefranc & Briegleb Reunis.

Society of Chemical Industry in Basle to Ciba Limited, Basel, Switzerland. Combinations of quinine and its derivatives. 62,300, re-renewed Apr. 30, 1947. O. G. Jan. 20. Class 6.

Socony-Vacuum Oil Company: See—
Vacuum Oil Company.

Spinnerin Yarn Co. Inc., New York, N. Y. Yarn. 436,051, Jan. 20; Serial No. 517,799, published Sept. 9, 1947. Class 43.

Spinnerin Yarn Co. Inc., New York, N. Y. Yarn. 436,054, Jan. 20; Serial No. 518,109, published Sept. 9, 1947. Class 43.

Sportspacer Corporation, The, New York, N. Y. Baseballs, softballs, footballs, etc. 435,987, Jan. 20; Serial No. 507,030, published Sept. 30, 1947. Class 22.

Sproat-Smith, Inc., Cheshire, Conn. Packaged foods. 436,003, Jan. 20; Serial No. 512,538, published Oct. 7, 1947. Class 46.

Squibb, E. R., & Sons, New York, N. Y. Aspirin and tablets of aspirin. 435,955, Jan. 20; Serial No. 484,987, published Dec. 18, 1945. Class 6.

Standard Oil Company of California, Wilmington, Del. Lubricating oils and greases. 436,046, Jan. 20; Serial No. 517,269, published Oct. 7, 1947. Class 15.

Standard Pressed Steel Co., Jenkintown, Pa. Hand tools. 436,115, Jan. 20. Class 23.

Stanley Home Products, Inc., Westfield, Mass. Hair combs. 436,078, Jan. 20; Serial No. 520,653, published Oct. 7, 1947. Class 40.

Stearns, Frederick, & Co., Detroit, Mich., to Consolidated Royal Chemical Corporation, Chicago, Ill. Medicines for affections of the throat and bronchial tubes. 53,037, re-renewed May 22, 1946. O. G. Jan. 20. Class 6.

Stearns-McKay Manufacturing Company: See—
Stearns McKay Manufacturing Co.

Stearns McKay Manufacturing Co., Marblehead, by Stearns-McKay Manufacturing Company, Boston, Mass. Ready-mixed paint. 142,147, May 3, 1921. Republished Jan. 20. Class 16.

Stoom, N. V. Chocolate & Cacaofabriek "Kwatta," Breda, Netherlands. Cocoa. 189,877, renewed Sept. 30, 1944. O. G. Jan. 20. Class 46.

Stromeyer, J., Company: See—
Stromeyer, Julius.

Stromeyer, Julius, by J. Stromeyer Company, Philadelphia, Pa. Table-syrups. 136,205, Oct. 26, 1920. Republished Jan. 20. Class 46.

Sun Oil Company, Philadelphia, Pa. Lubricating oil. 436,017, Jan. 20; Serial No. 514,506, published Oct. 7, 1947. Class 15.

Sun Oil Company, Philadelphia, Pa. Lubricating oil. 436,018, Jan. 20; Serial No. 514,509, published Oct. 7, 1947. Class 15.

Swift, T. W., Company, assignee: See—
Swift, Thomas W.

Swift, Thomas W., doing business as T. W. Swift Company, Winston-Salem, N. C., assignor to T. W. Swift Company, Winston-Salem, N. C. Liquid hair dressing. 435,962, Jan. 20; Serial No. 493,987, published May 27, 1947. Class 6.

Thonet Brothers, Inc.: See—
Thonet-Wanner Company.

Thonet-Wanner Company, to Thonet Brothers, Inc., New York, N. Y. Furniture. 230,583, renewed Aug. 2, 1947. O. G. Jan. 20. Class 32.

Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y., to The Titanium Alloy Manufacturing Company, New York, N. Y. Opaguing agents and pigments. 236,832-3, renewed Dec. 27, 1947. O. G. Jan. 20. Class 6.

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Topflight Tool Co., Inc., York, Pa. Pressure sensitive printed tape labels. 436,023, Jan. 20; Serial No. 515,282, published Oct. 21, 1947. Class 38.

Travelaire Corporation, Chicago, Ill. Portable ice boxes. 436,013, Jan. 20; Serial No. 514,230, published Mar. 18, 1947. Class 31.

True-Tags Paint Company, Memphis Tenn. Brushing lacquers, prepared shellac substitutes, and varnishes. 235,850, renewed Nov. 29, 1947. O. G. Jan. 20. Class 18.

Tubbs Cordage Company: See—
Portland Cordage Co., The.

Tubbs Cordage Company, San Francisco, Calif. Ropes, cords and twines. 436,047, Jan. 20; Serial No. 517,274, published Sept. 9, 1947. Class 7.

Tupper Corporation, Farnumville, Mass. Combs. 500,002, Jan. 20. Class 40.

"Turmac" Turkish-Macedonian Tobacco Company, Arnhem, Netherlands, to "Turmac" Turkish Macedonian Tobacco Company N. V., Amsterdam, Netherlands. Leaf tobacco, smoking and chewing tobacco. 184,154, renewed Feb. 13, 1943. O. G. Jan. 20. Class 17.

"Turmac" Turkish Macedonian Tobacco Company N. V.: See—
"Turmac" Turkish-Macedonian Tobacco Company.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 436,101, Jan. 20; Serial No. 522,978, published Oct. 14, 1947. Class 43.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. 436,032, Jan. 20; Serial No. 515,968, published Oct. 21, 1947. Class 38.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Deodorizing devices. 136,679, Nov. 2, 1920. Republished Jan. 20. Class 13.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap-dispensers. 136,971, Nov. 9, 1920. Republished Jan. 20. Class 13.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Deodorant and germicide. 139,044, Jan. 18, 1921. Republished Jan. 20. Class 6.

Vacuum Oil Company, to Socony-Vacuum Oil Company Incorporated, New York, N. Y. Oils, greases, and waxes of all kinds. 238,485, renewed Feb. 7, 1948. O. G. Jan. 20. Class 15.

Van Houten, C. J., & Zoon to Commanditaire Venootschap onder de firma C. J. van Houten & Zoon, Weesp, Netherlands. Cocoa. 50,864, re-renewed Apr. 3, 1946. O. G. Jan. 20. Class 40.

Ventimiglia, Salvatore, doing business as California Frozen Fish Company, Monterey, Calif. Canned sardines. 436,001, Jan. 20; Serial No. 511,774, published Oct. 7, 1947. Class 46.

Verity, R. H., Sons & Co.: See—
Charters-Davis Company.

Victoria Needlework, Inc., New York, N. Y. Hand knitting yarns. 436,094, Jan. 20; Serial No. 522,250, published Oct. 14, 1947. Class 43.

Vitamins & Pharmaceuticals, Inc., assignor, by means assignments, to Bristol Laboratories Inc., Syracuse, N. Y. Preparation containing various amino acids. 435,965, Jan. 20; Serial No. 496,180, published Sept. 3, 1946. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Seeds. Northrup, King & Co. 105,447, July 27, 1915. Republished Jan. 20.

Seeds, Field and grass. Kellogg Seed Company. 131,150, May 4, 1920. Republished Jan. 20.

CLASS 2

Boxes, Folding. Interstate Folding Box Company, The. 436,088, Jan. 20; Serial No. 521,522, published Nov. 4, 1947.

Containers. Continental Can Company, Inc. 435,951, Jan. 20; Serial No. 477,916, published Nov. 4, 1947.

Containers, Empty metal. National Tube Company. 435,961, Jan. 20; Serial No. 493,141, published Nov. 4, 1947.

Envelopes and bags for merchandise, Paper. Wolf Brothers. 225,617, renewed Mar. 22, 1947. O. G. Jan. 20.

Receptacles made from sheet metal, Certain. M. Kamenstein, Inc. 436,105, Jan. 20; Serial No. 524,190, published Nov. 4, 1947.

CLASS 3

Articles made of leather or imitation leather. J. Patterson. 435,959, Jan. 20; Serial No. 492,391, published Oct. 21, 1947.

Billfolds. Knight Leather Products Co. Inc. 436,071, Jan. 20; Serial No. 519,527, published Oct. 7, 1947.

Billfolds, pocketbooks, purses, and wallets. Nash Inc. 436,060, Jan. 20; Serial No. 518,964, published Sept. 23, 1947.

Vogel Brothers Company, Inc., to Max J. Grauer, doing business as M. J. Grauer Company, New York, N. Y. Collar buttons, cuff links, watch, neck, and belt chains, etc. 215,163, renewed July 13, 1946. O. G. Jan. 20. Class 28.

Warner, William R., & Co., Inc.: See—
Fabrik von Heyden Aktien-Gesellschaft.

Warren Co., Inc., The, Atlanta, Ga. Commercial refrigerator. 436,043, Jan. 20; Serial No. 516,928, published Apr. 1, 1947. Class 31.

Weiss, Buck, Rothman & Solomon, Newark, N. J. Fresh vegetables. 436,008, Jan. 20; Serial No. 513,003, published Oct. 7, 1947. Class 46.

Western Waxed Paper Company: See—
Western Waxed Paper Company of Oregon.

Western Waxed Paper Company of Oregon, Portland and North Portland, Oreg., by Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif. Gummed sealing tape. 261,379, Sept. 17, 1929. Republished Jan. 20. Class 37.

Whitall Tatum Company, New York, N. Y., by Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Elastic nursing-nipples. 126,973, Oct. 14, 1919. Republished Jan. 20. Class 44.

Wilkening Manufacturing Company, Philadelphia, Pa. Toy. 435,974, Jan. 20; Serial No. 502,675, published Sept. 30, 1947. Class 22.

Williams and Company, Inc., Pittsburgh, Pa. Welding wire. 234,322, renewed Oct. 25, 1947. O. G. Jan. 20. Class 14.

Wilson-Collier Co.: See—
Wilson-Collier Co. Inc.

Wilson-Collier Co. Inc., to Wilson-Collier Co., Boston, Mass. Children's dresses, rompers, and boys' suits. 227,529, renewed May 10, 1947. O. G. Jan. 20. Class 39.

Wilson, L. Kemper, San Antonio, Tex. Magazine. 435,977, Jan. 20; Serial No. 503,408, published Sept. 30, 1947. Class 38.

Winthrop Chemical Company, Inc., assignor to Winthrop-Stearns Inc., New York, N. Y. Central nervous system stimulant. 435,994, Jan. 20; Serial No. 509,621, published Oct. 21, 1947. Class 6.

Winthrop-Stearns Inc., assignee: See—
Winthrop Chemical Company, Inc.

Wolf Brothers to Wolf Brothers, Philadelphia, Pa. Paper envelopes and bags for merchandise. 225,617, renewed Mar. 22, 1947. O. G. Jan. 20. Class 2.

Wolfson Company, The, by Peerless Wolfson Company, Chicago, Ill. Jewelry. 142,848, May 17, 1921. Republished Jan. 20. Class 28.

Zellerbach Paper Company: See—
San Jose Paper Co.

Zellerbach Paper Company, San Francisco, Calif. Printing-paper, writing-paper, wrapping-paper, etc. 132,868, June 29, 1920. Republished Jan. 20. Class 37.

Zenith Radio Corporation: See—
Chicago Radio Laboratory.

CLASS 4

Detergents, Hand cleansing. Copy-Plus, Inc. 436,056, Jan. 20; Serial No. 518,662, published Sept. 23, 1947.

Soap. Empire Soap Company. 136,797, Nov. 9, 1920. Republished Jan. 20.

Soap. Mexican Amole Soap Co. 61,835, re-renewed Apr. 2, 1947. O. G. Jan. 20.

Soap. Procter & Gamble Company. 132,037, June 8, 1920. Republished Jan. 20.

Soap. Procter & Gamble Company. 132,229, June 15, 1920. Republished Jan. 20.

Soap. Procter & Gamble Company. 134,773, Sept. 14, 1920. Republished Jan. 20.

Soaps. Société Anonyme les Dentifrices du Docteur Pierre. 196,909, renewed Mar. 31, 1945. O. G. Jan. 20.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Solvents, Liquid petroleum. Practical Products Company. 436,036, Jan. 20; Serial No. 516,377, published Sept. 9, 1947.

Waterproofing composition. Scientific Anglers. 435,963, Jan. 20; Serial No. 494,709, published Dec. 17, 1946.

CLASS 5

Adhesive tapes, Metal-foil backed. Industrial Tape Corporation. 435,952, Jan. 20; Serial No. 480,070, published Sept. 30, 1947.

CLASS 6

Aerosol bombs. O'Sullivan, Inc. 435,973, Jan. 20; Serial No. 502,529, published Oct. 14, 1947.

Antitoxine and tissue builder. J. Carnrick. 25,787, Jan. 1, 1895. Amended. O. G. Jan. 20.

Aspirin and tablets of aspirin. E. R. Squibb & Sons. 435,955, Jan. 20; Serial No. 484,987, published Dec. 18, 1945.

Bait, roach and ant food, etc., Rat. Nay Laboratories, Inc. 436,076, Jan. 20; Serial No. 520,290, published Oct. 21, 1947.

Bismuth compound, and tribromophenol bismuth compound, Phenol. Fabrik von Heyden Aktien-Gesellschaft. 66,547, re-renewed Dec. 10, 1947. O. G. Jan. 20.

Chemical compound used in dyeing, bleaching, and tanning leather. Röhm & Haas. 237,407, renewed Jan. 10, 1948. O. G. Jan. 20.

Deodorant, B and R Fabrications Inc. 436,007, Jan. 20; Serial No. 512,818, published Oct. 21, 1947.

Deodorant and germicide. U. S. Sanitary Specialties Corporation. 139,044, Jan. 18, 1921. Republished Jan. 20.

Deodorant for refuse containers. Sanalizer Corporation. 435,975, Jan. 20; Serial No. 502,721, published Oct. 14, 1947.

Deodorant, Personal. Colgate-Palmolive-Peet Company. 436,109, Jan. 20; Serial No. 525,066, published Oct. 21, 1947.

Diuretic preparation. Campbell Products, Inc. 436,086, Jan. 20; Serial No. 521,379, published Sept. 16, 1947.

Dyestuffs and textile coloring materials. Aridye Corporation. 435,967, Jan. 20; Serial No. 497,985, published Oct. 21, 1947.

Finish for textiles and textile fabrics. Onyz Oil & Chemical Company. 436,117, Jan. 20.

Glycerin. Procter & Gamble Company. 140,015, Mar. 1, 1921. Republished Jan. 20.

Hair dressing, Liquid. T. W. Swift. 435,962, Jan. 20; Serial No. 493,987, published May 27, 1947.

Injection product, Intramuscular. C. F. Kirk Company. 435,999, Jan. 20; Serial No. 511,163, published Oct. 21, 1947.

Insecticides. Chemola Manufacturing Company. 436,110, Jan. 20; Serial No. 525,193, published Oct. 14, 1947.

Insecticides. B. D. Smith. 436,106, Jan. 20; Serial No. 524,489, published Oct. 21, 1947.

Laxative and cathartic. La Societe Generale-De Produits Specialises. 228,878, renewed June 14, 1947. O. G. Jan. 20.

Liniment. M. J. Downey. 228,983, renewed June 14, 1947. O. G. Jan. 20.

Lipstick, rouge, face cream, etc. Armand Company. 435,953, Jan. 20; Serial No. 483,130, published Dec. 25, 1945.

Lotion for ulcers, eczema, erythema, etc. V. Saporito. 225,717, renewed Mar. 22, 1947. O. G. Jan. 20.

Lye, Powdered. Sinclair Manufacturing Company. 134,805, Sept. 14, 1920. Republished Jan. 20.

Medicinal bitter wine. Picon & Cie. 161,828, renewed Nov. 21, 1942. O. G. Jan. 20.

Medicinal preparation, Anti-spasmodic. G. F. Harvey Company. 436,107, Jan. 20; Serial No. 524,604, published Oct. 21, 1947.

Medicines for affections of the throat and bronchial tubes. Frederick Stearns & Co. 53,037, re-renewed May 22, 1946. O. G. Jan. 20.

Mosquito immunizing agent. G. M. Brocmmel. 436,111, Jan. 20; Serial No. 525,783, published Oct. 21, 1947.

Nail polish. Reichman & Faust. 229,970, renewed July 12, 1947. O. G. Jan. 20.

Opacifying agents and pigments. Titanium Alloy Manufacturing Company. 236,832-3, renewed Dec. 27, 1947. O. G. Jan. 20.

Organic compounding ingredient, High modulus, low capacitance. Herron Bros. & Meyer. 436,044, Jan. 20; Serial No. 516,984, published Oct. 21, 1947.

Perfume. Renoir Parfums, Ltd. 436,031, Jan. 20; Serial No. 515,963, published Oct. 21, 1947.

Perfume, cologne, lipstick, etc. Consolidated Cosmetics. 436,028, Jan. 20; Serial No. 515,657, published Oct. 21, 1947.

Perfumes. Lucky-Heart Laboratories, Inc. 436,038, Jan. 20; Serial No. 516,489, published Oct. 21, 1947.

Pharmaceutical preparations. Smith, Kline & French Laboratories. 436,025, Jan. 20; Serial No. 515,336, published Oct. 14, 1947.

Preparation containing various amino acids. Vitamins & Pharmaceuticals, Inc. 435,965, Jan. 20; Serial No. 496,180, published Sept. 3, 1946.

Preparation for the treatment of piles. H. H. Beltsner. 435,978, Jan. 20; Serial No. 503,417, published Oct. 14, 1947.

606 O. G.—33a

Quinine and its derivatives, Combinations. Society of Chemical Industry in Basle. 62,300, re-renewed Apr. 30, 1947. O. G. Jan. 20.

Salt, Effervescent. B. A. Albini. 436,098, Jan. 20; Serial No. 522,693, published Oct. 21, 1947.

Shampoo. Colgate-Palmolive-Peet Company. 436,050, Jan. 20; Serial No. 518,938, published Sept. 2, 1947.

Spray, Nasal. Benar Pharmaceutical Company. 436,104, Jan. 20; Serial No. 523,353, published Oct. 21, 1947.

Stimulant, Central nervous system. Winthrop Chemical Company, Inc. 435,994, Jan. 20; Serial No. 509,621, published Oct. 21, 1947.

System-ionic. Dr. Peter Fahrney & Sons Co. 144,568, July 12, 1921. Republished Jan. 20.

Tablets of ferrous sulfate, Enteric coated. W. J. Schneider. 436,075, Jan. 20; Serial No. 519,985, published Oct. 21, 1947.

Ulcer remedy for internal use. A. Megalizi. 436,005, Jan. 20; Serial No. 512,684, published Oct. 14, 1947.

Veterinary preparation. H. W. Naylor. 435,985, Jan. 20; Serial No. 506,953, published Oct. 21, 1947.

CLASS 7

Lariat-ropes. Portland Cordage Co. 149,485, Dec. 13, 1921. Republished Jan. 20.

Rope and baler twine. Aviation Corporation. 436,022, Jan. 20; Serial No. 515,215, published Sept. 16, 1947.

Rope and twine. Portland Cordage Co. 177,938, Jan. 1, 1924. Republished Jan. 20.

Rope, cord, twine, and binder-twine. International Harvester Company. 132,974, July 6, 1920. Republished Jan. 20.

Rope, Manila. Portland Cordage Co. 142,709, May 17, 1921. Republished Jan. 20.

Rope, Manila. Portland Cordage Co. 142,713, May 17, 1921. Republished Jan. 20.

Rope, Manila. Portland Cordage Co. 155,052, May 16, 1922. Republished Jan. 20.

Rope, Transmission. Portland Cordage Co. 150,932, Jan. 10, 1922. Republished Jan. 20.

Ropes, cords and twines. Tubbs Cordage Company. 436,047, Jan. 20; Serial No. 517,274, published Sept. 9, 1947.

Twine and cord. January and Wood Company. 436,065, Jan. 20; Serial No. 519,330, published Nov. 4, 1947.

Twine and cordage, Hard fibre. Portland Cordage Co. 239,654, Mar. 6, 1928. Republished Jan. 20.

Twine, rope and cord. A. W. Archer Co. Inc. 436,102, Jan. 20; Serial No. 523,065, published Oct. 14, 1947.

CLASS 8

Pipes, Smoking. O. Sevic. 436,099-100, Jan. 20; Serial Nos. 522,801-2, published Oct. 28, 1947.

CLASS 11

Carbon-paper and typewriter ribbons. Nelson-Elsmann-Quist Co. 142,637, May 17, 1921. Republished Jan. 20.

CLASS 12

Cement base or compounds for coating surfaces of masonry structures. Hydraulic American Fluoresit Company. 436,052, Jan. 20; Serial No. 517,950, published July 15, 1947.

CLASS 13

Buckles. Compress Buckle Company. 230,310, renewed July 19, 1947. O. G. Jan. 20.

Deodorizing devices. U. S. Sanitary Specialties Corporation. 136,679, Nov. 2, 1920. Republished Jan. 20.

Soap-dispensers. U. S. Sanitary Specialties Corporation. 136,971, Nov. 9, 1920. Republished Jan. 20.

Valves and parts thereof, Steam. Dri-Steam Valve Corporation. 212,972, renewed May 18, 1946. O. G. Jan. 20.

CLASS 14

Castings, Unfinished metal. Hunt-Spiller Manufacturing Corporation. 239,656, renewed Mar. 8, 1948. O. G. Jan. 20.

Wire, Galvanized stapling. Acme Steel Company. 233,751, renewed Oct. 11, 1947. O. G. Jan. 20.

Wire, Welding. Williams and Company, Inc. 234,322, renewed Oct. 23, 1947. O. G. Jan. 20.

CLASS 15

Oil, Lubricating. Sun Oil Company. 436,017, Jan. 20; Serial No. 514,506, published Oct. 7, 1947.

Oil, Lubricating. Sun Oil Company. 436,018, Jan. 20; Serial No. 514,509, published Oct. 7, 1947.

Oils and greases, Lubricating. Carbide and Carbon Chemicals Corporation. 435,949, Jan. 20; Serial No. 470,938, published Oct. 21, 1947.

Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 435,988, Jan. 20; Serial No. 507,485, published Oct. 21, 1947.

Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 435,989, Jan. 20; Serial No. 507,487, published Oct. 21, 1947.

Oils and greases, Lubricating. Standard Oil Company of California. 436,046, Jan. 20; Serial No. 517,269, published Oct. 7, 1947.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Oils, greases, and waxes of all kinds. Vacuum Oil Company. 238,485, renewed Feb. 7, 1948. O. G. Jan. 20.

CLASS 16

Coating compositions or lacquer. Cellulose acetate. Maas & Waldstein Company. 435,957, Jan. 20; Serial No. 438,341, published Sept. 23, 1947.
Enamel-paint. Le Ripolin (Société Anonyme Française de Peintures Laquées et d'Enduits Sous-Marins Procédés Lefranc & Briegleb Réunis). 61,062, re-renewed Mar. 5, 1947. O. G. Jan. 20.
Lacquers. Cellulose-ester. Röhm & Haas Company. 232,759, renewed Sept. 13, 1947. O. G. Jan. 20.
Lacquers, prepared shellac substitutes and varnishes. Brushing. True-Tagg Paint Company. 235,850, renewed Nov. 29, 1947. O. G. Jan. 20.
Paint, Ready-mixed. Stearns McKay Manufacturing Co. 142,147, May 3, 1921. Republished Jan. 20.
Polish, furniture polish, furniture and floor wax, etc. Automobile. American Oil Company. 436,015, Jan. 20; Serial No. 514,398, published Sept. 30, 1947.
Polish, furniture polish, furniture and floor wax, etc. Automobile. American Oil Company. 436,016, Jan. 20; Serial No. 514,400, published Sept. 30, 1947.
Polish, furniture polish, furniture and floor wax, etc. Automobile. American Oil Company. 436,020, Jan. 20; Serial No. 515,014, published Oct. 7, 1947.
Polish, furniture polish, furniture and floor wax, etc. Automobile. American Oil Company. 436,033, Jan. 20; Serial No. 516,050, published Oct. 14, 1947.

CLASS 17

Cigars. Corral, Wodliska y Cia. 239,749, renewed Mar. 13, 1948. O. G. Jan. 20.
Tobacco, smoking and chewing tobacco. Leaf. "Turmac" Turkish-Macedonian Tobacco Company. 164,154, renewed Feb. 13, 1948. O. G. Jan. 20.

CLASS 18

Airplanes. McDonnell Aircraft Corporation. 436,035, Jan. 20; Serial No. 516,367, published Sept. 16, 1947.
Rowboats and motor boats. Johnson Motor Co. 227,850, renewed May 17, 1947. O. G. Jan. 20.

CLASS 21

Cable, Non-metallic sheathed. Phelps Dodge Copper Products Corporation. 435,960, Jan. 20; Serial No. 493,023, published Sept. 10, 1946.
Electric cord, insulated. General Electric Company. 435,996, Jan. 20; Serial No. 510,429, published Jan. 7, 1947.
Electrical apparatus for radio signaling. Chicago Radio Laboratory. 161,691, renewed Jan. 5, 1948. O. G. Jan. 20.
Electrical conductors, Rubber-covered. Belden Manufacturing Company. 146,556, Sept. 13, 1921. Republished Jan. 20.
Magnet-wires. Belden Manufacturing Company. 146,555, Sept. 13, 1921. Republished Jan. 20.

CLASS 22

Baseballs, softballs, footballs, etc. Sportspacer Corporation. 435,987, Jan. 20; Serial No. 507,030, published Sept. 30, 1947.
Boxing gloves, baseball gloves, and mitts, etc. Midwest Sporting Goods Mfg. Co. 436,055, Jan. 20; Serial No. 518,305, published Sept. 30, 1947.
Dolls. A. F. Greenwood Company. 435,958, Jan. 20; Serial No. 491,713, published Sept. 30, 1947.
Dolls and dolls' clothes. D. Ippolito. 435,979, Jan. 20; Serial No. 504,839, published Sept. 30, 1947.
Golf clubs. General Machine Company. 435,993, Jan. 20; Serial No. 509,511, published Sept. 30, 1947.
Punchboards, pull seal cards, and push cards. Bee Jay Products, Incorporated. 435,983, Jan. 20; Serial No. 505,725, published Sept. 30, 1947.
Toy. Wilkening Manufacturing Company. 435,974, Jan. 20; Serial No. 502,675, published Sept. 30, 1947.
Toys. At-A-Toy Company. 435,972, Jan. 20; Serial No. 501,231, published Oct. 7, 1947.
Toys. S. S. Craig. 435,995, Jan. 20; Serial No. 509,829, published Sept. 30, 1947.
Toys. Marnet Co. 435,964, Jan. 20; Serial No. 495,315, published Sept. 30, 1947.

CLASS 23

Air carriers provided with dispensing hose, gage, etc. Portable compressed. Scott Aviation Corporation. 436,114, Jan. 20.
Axes. Kelly Axe Manufacturing Company. 27,371, Nov. 26, 1895. Republished Jan. 20.
Can openers. R. H. Clark. 436,072, Jan. 20; Serial No. 519,568, published Oct. 28, 1947.
Device for transmitting power from automobiles. Aspengren Mfg. Co., Inc. 436,969, Jan. 20; Serial No. 500,271, published Oct. 7, 1947.
Die-heads, collapsible taps, threading-machines, and screw-machines. Automatic. Eastern Machine Screw Corporation. 134,165, Aug. 17, 1920. Republished Jan. 20.

Dies, taps, tapping attachments, etc. Screw-cutting. Greenfield Tap and Die Corporation. 147,319, Oct. 11, 1921. Republished Jan. 20.
Dies, taps, tapping attachments, etc. Screw-cutting. Greenfield Tap and Die Corporation. 147,320-2, Oct. 11, 1921. Republished Jan. 20.
Engines, Internal combustion. R. H. Sheppard Company, Incorporated. 436,119, Jan. 20.
Fire extinguishers. Mutual International Corporation. 436,029, Jan. 20; Serial No. 515,721, published Sept. 30, 1947.
Hack saw blades. Frazar & Company. 436,126, Jan. 20.
Hydraulic transmitter units, hydraulic receiver units, thermal compensator units, etc. National Machine Products. 436,006, Jan. 20; Serial No. 512,790, published Oct. 14, 1947.
Jacks, Automobile. Menasco Manufacturing Company. 436,120, Jan. 20.
Knives, razor knives, and spoons of base metal. Pocket. Glits Molding Corporation. 436,124-5, Jan. 20.
Light weight track-laying high speed power driven unit, etc. Iron Fireman Manufacturing Company. 436,112, Jan. 20.
Machinery, Cotton-ginning. Gullett Gin Co. 238,026, renewed Jan. 24, 1948. O. G. Jan. 20.
Milling cutters. Pratt & Whitney Company. 140,522, Mar. 15, 1921. Republished Jan. 20.
Packaging machinery. J. L. Ferguson Company. 238,245, renewed Sept. 27, 1947. O. G. Jan. 20.
Pumps and automobile jacks, Automobile and bicycle tire. Oakes & Company. 436,062, Jan. 20; Serial No. 519,090, published Oct. 21, 1947.
Shears of metal, plastic, or other material with teeth for cutting serrated edges. Pinking Shears Corporation. 436,122, Jan. 20.
Tool, Fencing. Hercules Forge Corporation. 435,991, Jan. 20; Serial No. 508,427, published Oct. 14, 1947.
Tools, Hand. Standard Pressed Steel Co. 436,115, Jan. 20.

CLASS 25

Safes, keys, locks, etc. General Fireproofing Co. 143,613, June 7, 1921. Republished Jan. 20.

CLASS 27

Alarm-clocks and other clocks. De Luxe Clock & Mfg. Co. Inc. 130,058, Apr. 6, 1920. Republished Jan. 20.
Clocks. B. D. Colen. 229,169, renewed June 21, 1947. O. G. Jan. 20.
Clocks. Lux Clock Manufacturing Company. 436,082, Jan. 20; Serial No. 521,194, published Oct. 21, 1947.
Clocks. Lux Clock Manufacturing Company. 436,083, Jan. 20; Serial No. 521,196, published Oct. 21, 1947.
Clocks, watches, and watch straps, Alarm. Consolidated Cosmetics. 436,087, Jan. 20; Serial No. 521,502, published Oct. 21, 1947.

CLASS 28

Bracelets, Watch. Pakula and Company. 436,079, Jan. 20; Serial No. 520,895, published Oct. 21, 1947.
Buttons, cuff links, watch, neck, and belt chains, etc. Collar. Vogel Brothers Company, Inc. 215,163, renewed July 13, 1946. O. G. Jan. 20.
Diamonds and diamond rings. Bond Diamond Company. 435,950, Jan. 20; Serial No. 473,268, published Oct. 21, 1947.
Jewelry. Jolly Jewels. 435,990, Jan. 20; Serial No. 507,637, published Oct. 21, 1947.
Jewelry. O. S. Davignon Co., Inc. 436,050, Jan. 20; Serial No. 517,708, published Oct. 21, 1947.
Jewelry. Wolfson Company. 142,848, May 17, 1921. Republished Jan. 20.
Rings, colored stone rings, ornaments, etc., Diamond. Klein, Muller & Horton, Inc. 436,049, Jan. 20; Serial No. 517,370, published Oct. 21, 1947.
Rings, Diamond. Charles S. Rivchun & Sons. 436,011, Jan. 20; Serial No. 513,583, published Oct. 21, 1947.
Watch attachments, Wrist. D. Gerstenblith. 436,061, Jan. 20; Serial No. 519,066, published Oct. 21, 1947.

CLASS 29

Brooms. New Bremen Broom Company. 436,096, Jan. 20; Serial No. 522,414, published Oct. 14, 1947.
Brushes and whisks and leather cases, Clothes. L. E. Goeller. 237,292, renewed Jan. 3, 1948. O. G. Jan. 20.
Brushes, hair brush sets, and hair brush handles, Hair. Lactona Incorporated. 436,089-91, Jan. 20; Serial Nos. 521,908-10, published Oct. 14, 1947.
Brushes, toothbrushes, hairbrushes, etc., Shaving. Pal Shaving Brush, Inc. 436,042, Jan. 20; Serial No. 516,915, published Oct. 21, 1947.
Mops, Dust. Capitol Products Company. 436,103, Jan. 20; Serial No. 523,200, published Oct. 14, 1947.

CLASS 31

Filters. Societe Anonyme du Filtre Chamberland, Systeme Pasteur. 158,324, renewed June 20, 1942. O. G. Jan. 20.
Filters; filter replacement parts, and filter supplies. Peterson Filters and Engineering Co. 435,947, Jan. 20; Serial No. 461,417, published Sept. 30, 1947.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Filters; filter replacement parts, and filter supplies. Peterson Filters and Engineering Co. 435,948, Jan. 20; Serial No. 461,420, published Sept. 30, 1947.
Ice boxes, Portable. Traveleire Corporation. 436,013, Jan. 20; Serial No. 514,230, published Mar. 18, 1947.
Refrigerator, Commercial. Warren Co., Inc. 436,043, Jan. 20; Serial No. 516,928, published Apr. 1, 1947.
Refrigerators, Ice. King Refrigerator Corporation. 436,068, Jan. 20; Serial No. 519,338, published Oct. 14, 1947.

CLASS 32

Cabinets; and boxes, drawers, etc. Filing and storage. General Fireproofing Co. 147,606, Oct. 25, 1921. Republished Jan. 20.
Furniture. Thonet-Wanner Company. 230,583, renewed Aug. 2, 1947. O. G. Jan. 20.

CLASS 34

Furnaces, forced air furnaces, and air conditioning furnaces, etc. Gravity warm. Connelley Heating & Air Conditioning Company. 436,074, Jan. 20; Serial No. 519,927, published Oct. 14, 1947.
Heat exchanging tubing. G. M. Jackson. 436,053, Jan. 20; Serial No. 518,079, published Sept. 16, 1947.
Heaters, oil fired steam and hot water domestic heating boilers, and oil burners, Oil and gas. Home Ease Products Division, Inc. 436,127, Jan. 20.
Lamp shades. Daniel, Myer, Inc. 435,992, Jan. 20; Serial No. 508,514, published Sept. 9, 1947.
Lighters, Cigar, cigarette, and pipe. Lektrrolite Corporation. 436,084-5, Jan. 20; Serial Nos. 521,264-5, published Sept. 23, 1947.
Ventilating apparatus. H. H. Robertson Company. 435,954, Jan. 20; Serial No. 483,150, published Sept. 30, 1947.

CLASS 35

Belting. Quaker City Rubber Company. 232,069, renewed Aug. 30, 1947. O. G. Jan. 20.

CLASS 36

Mouthpiece for musical instruments. T. Mc Coll. 436,024, Jan. 20; Serial No. 515,320, published Oct. 28, 1947.
Musical instruments. Ace Accordion Company. 436,108, Jan. 20; Serial No. 524,848, published Oct. 28, 1947.
Records, Mechanically grooved phonograph. S. Burnette. 436,027, Jan. 20; Serial No. 515,654, published Oct. 28, 1947.

CLASS 37

Advertising-calendars and advertising-blotters. Osborne Company. 65,333, re-renewed Sept. 17, 1947. O. G. Jan. 20.
Bookkeeping forms, Blank. I. Smallwood. 436,039, Jan. 20; Serial No. 516,509, published Oct. 28, 1947.
File signals, index-tabs, paper clips. George B. Graff Company. 103,233, Mar. 23, 1915. Republished Jan. 20.
Inkstands and inkwells. Sengbusch Self-Closing Inkstand Company. 132,242, June 15, 1920. Republished Jan. 20.
Moisteners for gummed surfaces, Sanitary. Sengbusch Self-closing Inkstand Company. 132,520, June 22, 1920. Republished Jan. 20.
Paper table napkins, toilet tissue and waxed wrapping paper. Green View Tissue Mills, Inc. 436,037, Jan. 20; Serial No. 516,430, published Oct. 28, 1947.
Paper, Wrapping. Newark Paraffine & Parchment Paper Co. 436,000, Jan. 20; Serial No. 511,410, published Sept. 16, 1947.
Paper, writing paper, wrapping paper, etc. Printing. San Jose Paper Co. 201,341, July 21, 1925. Republished Jan. 20.
Pens and ball point fountain pens, Fountain. S. M. Sager. 435,970, Jan. 20; Serial No. 500,702, published Oct. 28, 1947.
Printing-paper, writing-paper, wrapping-paper, etc. Zellerbach Paper Company. 132,868, June 20, 1920. Republished Jan. 20.
Screws for loose leaf binders, Binding. Aluminum Company of America. 436,026, Jan. 20; Serial No. 515,356, published Oct. 28, 1947.
Tape, Gummed sealing. Western Waxed Paper Company of Oregon. 261,379, Sept. 17, 1929. Republished Jan. 20.
Tissues, Facial. Sitroux, Inc. 435,956, Jan. 20; Serial No. 486,875, published Mar. 5, 1946.

CLASS 38

Advertising-calendars and advertising-blotters. Osborne Company. 65,333, re-renewed Sept. 17, 1947. O. G. Jan. 20.
Calendars. Aristo, Incorporated. 436,030, Jan. 20; Serial No. 515,740, published Oct. 21, 1947.
Charts. W. W. Andrews. 435,971, Jan. 20; Serial No. 501,107, published Oct. 28, 1947.
Drawings, Comic. United Feature Syndicate, Inc. 436,032, Jan. 20; Serial No. 515,968, published Oct. 21, 1947.

Instruction-books, and printed matter issued from time to time. Dollfus Mieg & Cie. Societe Anonyme. 147,303, renewed Oct. 11, 1941. O. G. Jan. 20.
Labels, Pressure sensitive printed tape. Topflight Tool Co., Inc. 436,023, Jan. 20; Serial No. 515,282, published Oct. 21, 1947.
Magazine. Atlas Publishing Company. 436,118, Jan. 20.
Magazine. L. K. Willson. 435,977, Jan. 20; Serial No. 503,408, published Sept. 30, 1947.
Magazine, Monthly. Haire Publishing Company. 234,274, renewed Oct. 18, 1947. O. G. Jan. 20.
Magazine, News. Omicron Delta Kappa Society. 436,012, Jan. 20; Serial No. 513,758, published Sept. 30, 1947.
Musical publications. Wm. J. Smith Co. Inc. 236,456, Dec. 13, 1927. Corrected. O. G. Jan. 20.
Newspaper column. J. M. O'Neill. 435,997, Jan. 20; Serial No. 510,610, published Oct. 21, 1947.
Periodical. Equitable Paper Bag Co. Inc. 436,021, Jan. 20; Serial No. 515,167, published Oct. 14, 1947.
Prints, Photographic. J. G. Pearson. 435,986, Jan. 20; Serial No. 507,016, published Oct. 21, 1947.
Publication. Marketing Publications, Inc. 436,034, Jan. 20; Serial No. 516,084, published Oct. 21, 1947.
Publication, Monthly news. R. B. Morrison. 436,113, Jan. 20.
Publication, Periodical. E. Lang. 435,966, Jan. 20; Serial No. 497,028, published Oct. 21, 1947.
Sheet music. S. J. Oettinger. 435,984, Jan. 20; Serial No. 506,466, published Sept. 30, 1947.
Sports magazine for boys to be published every other month. Parents' Institute, Inc. 436,121, Jan. 20.

CLASS 39

Boots and shoes, rubber overshoes, and rubber-sole canvas shoes. Rubber. Hood Rubber Company. 210,815, renewed Mar. 23, 1946. O. G. Jan. 20.
Coats, vests, trousers, etc. Men's and boys' waterproofed leather work. Ralphs-Pugh Company. 235,176, renewed Nov. 15, 1947. O. G. Jan. 20.
Dresses, rompers, and boys' suits, Children's. Wilson-Coller Co. Inc. 227,529, renewed May 10, 1947. O. G. Jan. 20.
Hats for men and boys. B. Beekman. 222,996, renewed Jan. 11, 1947. O. G. Jan. 20.
Hosiery. Dollfus Mieg & Cie. Societe Anonyme. 147,588, renewed Oct. 25, 1941. O. G. Jan. 20.
Overalls, jumpers, pants, and jackets. M. Hoffman. 138,259, Dec. 21, 1920. Republished Jan. 20.
Shoes. Craddock-Terry Company. 238,782, renewed Feb. 14, 1948. O. G. Jan. 20.
Stockings. Joseph Black & Sons Company. 73,207, Mar. 30, 1909. Republished Jan. 20.

CLASS 40

Buttons. Morley Button Manufacturing Company. 144,010, June 21, 1921. Republished Jan. 20.
Buttons and buckles made of non-precious metal. J. Kuris. 436,123, Jan. 20.
Buttons, Non-metallic. Morley Button Manufacturing Company. 130,215, Apr. 13, 1920. Republished Jan. 20.
Buttons, non-precious ornaments, and braid. Chicago Hi-Grade Button Co. 436,040, Jan. 20; Serial No. 516,604, published Oct. 14, 1947.
Buttons, studs, dress buttons, etc. Cuff. Duranol Products, Inc. 435,982, Jan. 20; Serial No. 505,292, published Nov. 4, 1947.
Combs. Plattner Company Inc. 436,069, Jan. 20; Serial No. 519,490, published Sept. 23, 1947.
Combs. Tupper Corporation. 500,002, Jan. 20.
Curlers, Non-electrical hair. V. Newman. 435,981, Jan. 20; Serial No. 505,225, published Oct. 14, 1947.
Fasteners, Snap. Scovill Manufacturing Company. 436,073, Jan. 20; Serial No. 519,837, published Sept. 30, 1947.
Flowers, Artificial. John F. Fitzgerald Jr. 436,014, Jan. 20; Serial No. 514,336, published Oct. 14, 1947.
Hair combs. Stanley Home Products, Inc. 436,078, Jan. 20; Serial No. 520,653, published Oct. 7, 1947.
Harness, Baby sleeping. W. J. Paley. 436,057, Jan. 20; Serial No. 518,691, published Sept. 23, 1947.
Needles, Plastic knitting. Plastic Materials Corp. 435,976, Jan. 20; Serial No. 502,918, published Oct. 21, 1947.
Patterns and for fabric pieces, Embroidery transfer. American Thread Company. 435,998, Jan. 20; Serial No. 510,926, published Oct. 28, 1947.
Ribbons. A. Edward Funke & Company, Inc. 435,980, Jan. 20; Serial No. 505,195, published Oct. 14, 1947.
Straps, Leather wrist watch. Lasko Strap Company. 436,041, Jan. 20; Serial No. 516,774, published Oct. 28, 1947.
Tapes, Venetian blind. International Braid Company. 436,095, Jan. 20; Serial No. 522,285, published Oct. 14, 1947.

CLASS 41

Umbrellas. Charles Hertz Company. 436,070, Jan. 20; Serial No. 519,513, published Sept. 23, 1947.
Umbrellas. Polan, Katz & Co. 240,161, renewed Mar. 20, 1948. O. G. Jan. 20.
Umbrellas and parasols. Parapluie-Revel. 191,342, renewed Nov. 4, 1944. O. G. Jan. 20.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 42

Cloth, Sugar-bag. Mente & Co., Inc. 233,270, renewed Sept. 27, 1947. O. G. Jan. 20.
Piece goods and hair cloth, Woolen. William Hollins and Company. 63,690, re-renewed July 2, 1947. O. G. Jan. 20.

CLASS 43

Thread and yarn, Artificial-silk. Naamlooze Vennootschap Hollandsche Kunstzijde Industrie. 192,774, renewed Dec. 9, 1944. O. G. Jan. 20.
Yarn. Peter Freund Knitting Mills. 436,048, Jan. 20; Serial No. 517,299, published Nov. 4, 1947.
Yarn. Spinnerin Yarn Co., Inc. 436,051, Jan. 20; Serial No. 517,799, published Sept. 9, 1947.
Yarn. Spinnerin Yarn Co., Inc. 436,054, Jan. 20; Serial No. 518,109, published Sept. 9, 1947.
Yarn and warp, Cotton. January and Wood Company. 436,064, Jan. 20; Serial No. 519,329, published Sept. 23, 1947.
Yarn, Cotton. January and Wood Company. 436,067, Jan. 20; Serial No. 519,332, published Nov. 4, 1947.
Yarns. New York Yarn Co., Inc. 436,097, Jan. 20; Serial No. 522,586, published Oct. 14, 1947.
Yarns. Bernhard Ulmann Co., Inc. 436,101, Jan. 20; Serial No. 522,978, published Oct. 14, 1947.
Yarns and thread, Cotton, linen, silk, woolen, and hair. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie. 22,385, re-renewed Jan. 31, 1943. O. G. Jan. 20.
Yarns and thread, Cotton, linen, silk, woolen, and hair. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie. 22,387-8, re-renewed Jan. 31, 1943. O. G. Jan. 20.
Yarns, Hand knitting. Victoria Needlework, Inc. 436,094, Jan. 20; Serial No. 522,250, published Oct. 14, 1947.
Yarns of cellulose. Courtaulds Limited. 234,818, renewed Nov. 8, 1947. O. G. Jan. 20.
Yarns, Plastic, rayon, and mixed rayon and cotton. John Dritz & Sons. 436,077, Jan. 20; Serial No. 520,497, published Sept. 30, 1947.
Warp, Carpet. January and Wood Company. 436,066, Jan. 20; Serial No. 519,331, published Nov. 4, 1947.

CLASS 44

Nursing-nipples, Elastic. Whitall Tatum Company. 126,973, Oct. 14, 1919. Republished Jan. 20.
Sanitary napkins. Cellucotton Products Company. 134,900, Sept. 21, 1920. Republished Jan. 20.

CLASS 45

Beverages and syrups. Coca-Cola Company, The. 238,145-6, renewed Jan. 31, 1948. O. G. Jan. 20.
Mineral waters and mineral-water extracts. C. Cederroth. 219,827, renewed Oct. 26, 1946. O. G. Jan. 20.

CLASS 46

Bean oil, Edible soy. Spencer Kellogg and Sons, Inc. 436,063, Jan. 20; Serial No. 519,105, published Oct. 14, 1947.
Canned fish. Seufert Brothers Company. 436,019, Jan. 20; Serial No. 514,852, published Oct. 7, 1947.
Canned fruits. Aulabaugh Bros. 436,116, Jan. 20.
Canned sardines. S. Ventimiglia. 436,001, Jan. 20; Serial No. 511,774, published Oct. 7, 1947.
Chicks, Live. H. L. Campbell. 228,206, renewed May 24, 1947. O. G. Jan. 20.
Cocoa. C. J. Van Houten & Zoon. 50,864, re-renewed Apr. 3, 1946. O. G. Jan. 20.
Cocoa. N. V. Stoom Chocolate & Cacaofabriek "Kwatta." 189,877, renewed Sept. 30, 1944. O. G. Jan. 20.

Crackers and biscuits. Independent Baking Company. 237,146, renewed Jan. 3, 1948. O. G. Jan. 20.
Dairy products. L. S. Raskas. 240,486, renewed Mar. 27, 1948. O. G. Jan. 20.
Doughnuts and doughnut mixture. Dawn Donut Company of Jackson. 227,939, renewed May 17, 1947. O. G. Jan. 20.
Dressing, French. H. Montet. 436,009, Jan. 20; Serial No. 513,068, published Oct. 7, 1947.
Flour. Eagle Roller Mill Co. 139,523, Feb. 8, 1921. Republished Jan. 20.
Flour. Eagle Roller Mill Co. 145,969, Aug. 23, 1921. Republished Jan. 20.
Flour, Wheat. Colorado Milling & Elevator Co. 232,260, renewed Sept. 6, 1947. O. G. Jan. 20.
Flour, Wheat. Colorado Milling & Elevator Co. 232,421, renewed Sept. 6, 1947. O. G. Jan. 20.
Flour, Wheat. Colorado Milling & Elevator Co. 233,399, renewed Sept. 27, 1947. O. G. Jan. 20.
Foods, Packaged. Sproat-Smith, Inc. 436,003, Jan. 20; Serial No. 512,538, published Oct. 7, 1947.
Fruits and fresh citrus fruits, Fresh deciduous. Nash-De Camp Company. 436,058, Jan. 20; Serial No. 518,732, published Oct. 7, 1947.
Fruits, Fresh. Florin Fruit Growers' Association. 236,742, renewed Dec. 20, 1947. O. G. Jan. 20.
Fruits, Fresh citrus. Charters-Davis Company. 226,764, renewed Apr. 19, 1947. O. G. Jan. 20.
Honey. T. W. Burleson. 233,753, renewed Oct. 11, 1947. O. G. Jan. 20.
Jelly, Cranberry. E. F. Bills. 144,549, July 12, 1921. Republished Jan. 20.
Lard substitute. Procter & Gamble Company. 128,488, Jan. 6, 1920. Republished Jan. 20.
Meats, and sausage, Cured. Kingan and Company, Limited. 67,726, re-renewed Feb. 18, 1948. O. G. Jan. 20.
Molasses. Oelerich & Berry Company. 232,689, renewed Sept. 13, 1947. O. G. Jan. 20.
Mustard, Prepared. Royal Dutch Products Corp. 436,004, Jan. 20; Serial No. 512,612, published Oct. 7, 1947.
Oatmeal and farina. Best Foods, Inc. 436,002, Jan. 20; Serial No. 512,369, published Oct. 7, 1947.
Peanuts, Fresh or salted. T. Huston. 233,233, renewed Sept. 27, 1947. O. G. Jan. 20.
Pie filling, Lemon. Merrell-Soule Company. 236,918, renewed Dec. 27, 1947. O. G. Jan. 20.
Rice, Packaged. Edmundson-DuHe Rice Mill Company, Inc. 436,010, Jan. 20; Serial No. 513,393, published Oct. 7, 1947.
Salt. Ohio Salt Company. 240,820, renewed Apr. 10, 1948. O. G. Jan. 20.
Sauce and ingredient for sauces. La Societe Anonyme Des Amictonnerie & Rizerie De France. 154,795, renewed May 9, 1942. O. G. Jan. 20.
Sugar. American Sugar Refining Company. 146,064, Aug. 30, 1921. Republished Jan. 20.
Table-syrups. J. Stromeyer. 136,205, Oct. 26, 1920. Republished Jan. 20.
Vegetables, Fresh. Buck Weiss-Rothman & Solomon. 436,008, Jan. 20; Serial No. 513,005, published Oct. 7, 1947.
Wheat-flour. Lyon & Greenleaf. 63,531, re-renewed June 25, 1947. O. G. Jan. 20.
Wheat-flour. Robinson Milling Company. 130,230, Apr. 13, 1920. Republished Jan. 20.
Wheat-flour. Robinson Milling Company. 130,894, May 4, 1920. Republished Jan. 20.

CLASS 50

Statuary. Daprato Statuary Company. 66,705, re-renewed Dec. 24, 1947. O. G. Jan. 20.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Steel Foundries, assignee: See—
Tack, Carl E., and Helsten.
Bendix Aviation Corporation, assignee: See—
Gates, Geoffrey R. G.
Burch, Charles J., Pittsburgh, Pa., assignor to The Linde Air Products Company. Method of and apparatus for working mineral materials and the like. Re. 22,964, Jan. 20.
Gates, Geoffrey R. G., London, England, assignor to Bendix Aviation Corporation, Chicago, Ill. Servo brake mechanism. Re. 22,965, Jan. 20.
Helsten, Wesley A.: See—
Tack, Carl E., and Helsten.
Linde Air Products Company, The, assignee: See—
Burch, Charles J.
Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Railway brake. Re. 22,966, Jan. 20.

LIST OF PLANT PATENTEEES

Dénoyel, Marguerite, Venissieux, Lyon, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 781, Jan. 20.
Jackson & Perkins Company, assignee: See—
Dénoyel, Marguerite.
Johnson, Matthew J., Thornhill, Ontario, Canada, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Strawberry plant. 780, Jan. 20.
Kellogg, R. M. Company, The, assignee: See—
Johnson, Matthew J.
Sanderson, Chester A., Glendale, Ariz. Grapevine. 782, Jan. 20.

LIST OF DESIGN PATENTEEES

Abbatiello, Edward A., Cincinnati, Ohio. Leakproof case for a cigarette package. 148,402, Jan. 20.
Acorn Sheet Metal Works, Inc., assignee: See—
Goodman, Samuel.
Allegro, Joseph A.: See—
Richeson, Sanford E., and Allegro.
Barbieri, Nicholas, Providence, R. I. Brooch or similar article. 148,403, Jan. 20.
Bjorncrantz, Carl G., Evanston, and J. W. Hauser, Oak Park, assignors to Sears, Roebuck and Co., Chicago, Ill. Housing for thermostatic control. 148,404, Jan. 20.
Blackburn, Luther A., Lynwood, Calif. Oil well pumping unit. 148,405, Jan. 20.
Bogoff, Herman, Chicago, Ill. Earring. 148,406, Jan. 20.
Cardox Corporation, assignee: See—
Harper, Henry R.
Cleary, Walter J., Philadelphia, Pa. Clothes hanger. 148,407, Jan. 20.
Coro, Inc., assignee: See—
Katz, Adolph.
Corwin, Boyd W., Orange, Calif. Wall vase. 148,408, Jan. 20.
Dawson, Stephen V.: See—
Doyle, Robert A., and Dawson.
Doyle, Robert A., Chicago, and S. V. Dawson, Evanston, assignors to Orange-Crush Company, Chicago, Ill. Beverage dispenser. 148,409, Jan. 20.
Drugs Limited, assignee: See—
Gimelli, Samuel.
Fearn, George E., assignor to Kaufman-Ruderman Co., Inc., New York, N. Y. Earring or similar article. 148,410, Jan. 20.
Gimelli, Samuel, Berne, Switzerland, assignor to Drugs Limited, London, England. Atomizer spray attachment for a container. 148,411, Jan. 20.
Goodman, Samuel, assignor to Acorn Sheet Metal Works, Inc., Chicago, Ill. Vending cart or similar article. 148,412, Jan. 20.
Gottlieb, Abraham, New York, N. Y. Lace or the like. 148,413, Jan. 20.
Gray Manufacturing Company, The, assignee: See—
Spilman, Raymond.
Spilman, Raymond, and White.
Gross, Nathan, Brooklyn, N. Y. Brooch or similar article. 148,414, Jan. 20.
Haddad, Saleem: See—
Jebiley, Jessie, and Haddad.
Harper, Henry R., Evanston, assignor to Cardox Corporation, Chicago, Ill. Wheeled fire extinguishing unit or similar device. 148,415, Jan. 20.
Harper, Henry R., Evanston, assignor to Cardox Corporation, Chicago, Ill. Motor propelled fire extinguishing unit or similar device. 148,416, Jan. 20.
Hauser, John W.: See—
Bjorncrantz, Carl G., and Hauser.
Hill, Robert H., Fort Wayne, Ind. Tractor cab. 148,417, Jan. 20.
Howard, Richard J., St. Louis, Mo. Incense burner. 148,418, Jan. 20.
Jacobsen, Charles J., Washington, D. C. Serving tray. 148,419, Jan. 20.
Jebiley, Jessie, and S. Haddad, Tenafly, N. J. Rag rug. 148,420, Jan. 20.
Johnson, Robert E., Boulder, Colo. Toy glider. 148,421, Jan. 20.
Kane, David, Chicago, Ill. Combined container and wrench set unit. 148,422, Jan. 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,423, Jan. 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,424, Jan. 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,425, Jan. 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,426, Jan. 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,427, Jan. 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,428, Jan. 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,429, Jan. 20.
Kaufman-Ruderman Co., Inc., assignee: See—
Fearn, George E.
Luhn, Albert L., Racine, Wis. Stripper fork. 148,430, Jan. 20.
Lund, Lola M., Burbank, Calif. Combined tray and comb holder. 148,431, Jan. 20.
Marcello, Michael, Cranston, R. I. Brooch or the like. 148,432, Jan. 20.
Orange-Crush Company, assignee: See—
Doyle, Robert A., and Dawson.
Ostheimer, Emil J., Woodside, Long Island, N. Y. Bracelet. 148,433, Jan. 20.

LIST OF DESIGN PATENTEEES

Owen, William E., Jr., Cedar Rapids, Iowa. Combination compass, protractor, and ruler. 148,434, Jan. 20.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or similar article. 148,435, Jan. 20.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,436, Jan. 20.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 148,437, Jan. 20.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,438, Jan. 20.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,439, Jan. 20.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 148,440, Jan. 20.
 Renzelman, Garard, Denver, Colo. Child's cart. 148,441, Jan. 20.
 Richeson, Sanford E., Brooklyn, and J. A. Allegro, Maspeth, N. Y. Pressure cooker. 148,442, Jan. 20.
 Richter, Edmund J., Moulton, Tex. Pin or similar article. 148,443, Jan. 20.
 Rowley, Elton H., Wichita, Kans. Outboard power unit for gliders. 148,444, Jan. 20.
 Samburg, Maurice, New York, N. Y. Broller. 148,445, Jan. 20.
 Sears, Roebuck and Co., assignee: See—
 Bjorncrantz, Carl G., and Hauser.
 Spilman, Raymond, Yonkers, N. Y., assignor to The Gray Manufacturing Company. Sound translating machine. 148,447, Jan. 20.
 Spilman, Raymond, Yonkers, N. Y., and G. H. White, West Hartford, Conn., assignors to The Gray Manufacturing Company. Sound translating machine. 148,446, Jan. 20.
 Stern, Charles, Jersey City, N. J. Coffee dispenser or similar article. 148,448, Jan. 20.
 Trifari, Krussman & Fishel, Inc., assignee: See—
 Philippe, Alfred.
 Twente, Herbert H., Independence, Mo. Combination cupboard, table, and benches. 148,449, Jan. 20.
 Warner, Henry T., Chicago, Ill. Smoking stand or the like. 148,450, Jan. 20.
 White, George H.: See—
 Spilman, Raymond, and White.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1948

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Accmatool Co., Inc., assignee: See—
 Bentzman, Louis.
 Addressograph-Multigraph Corporation, assignee: See—
 Van Dusen, Charles H., Jr.
 Adel Precision Products Corp., assignee: See—
 Robertson, Archibald, and Merritt.
 Agriculture, United States of America, as represented by the Secretary of, assignee: See—
 La Forge, Frederick B.
 Olcott, Harold S., and Lewis.
 Snow, Albert G., Jr., and Lanier.
 Tucker, Irwin W., and Balls.
 Akers, Herbert S., Woodcliff Lake, N. J. Tube stand for X-ray apparatus. 2,434,827, Jan. 20.
 Alexander, Cecil D., and S. Gibson, Irvine, assignors to British Textile Manufacturing Company Limited, Irvine, Ayrshire, Scotland. Power-operated flat frame knitting machine. 2,434,782, Jan. 20.
 Alick, James, New York, N. Y. Extensible drill press. 2,434,732, Jan. 20.
 Amador, Jose P., Newark, N. J. Micrometer caliper. 2,434,633, Jan. 20.
 American Machine and Foundry Company, assignee: See—
 Warren, James W.
 American Optical Company, assignee: See—
 Pincus, Alexis G.
 American Seating Company, assignee: See—
 Larson, Alfred O.
 American Steel Foundries, assignee: See—
 Cottrell, Robert B.
 Hess, Relza J.
 Maatman, Egbert J., and Clasen.
 American Wheelabrator & Equipment Corporation, assignee: See—
 Dill, Gilbert D.
 Andreasson, Rudolf W., Franklin, Mich. Relieving the teeth of circular cutting elements. 2,434,753, Jan. 20.
 Arkell Safety Bag Company, assignee: See—
 Ulm, Frederick A.
 Armitage, Joseph B.: See—
 Trecker, Theodore, and Armitage.
 Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
 Ashton, Benjamin N., Kingston, and N. Kling, Great Neck, assignors to Electrol Incorporated, Kingston, N. Y. Piston locking means for fluid actuated jacks. 2,434,828, Jan. 20.
 Athey, Robert T., Armona, Calif. Hobbyhorse. 2,434,783, Jan. 20.
 Atlantic Refining Company, assignee: See—
 Ciapetta, Frank G.
 Babcock & Wilcox Company, The, assignee: See—
 Brister, Paul M.
 Letvin, Samuel.
 Stillman, Thomas B.
 Bailey Meter Company, assignee: See—
 Johnson, Clarence.
 Junkins, Raymond D., and Hornfeck.
 Marshall, Walter R.
 Bakelite Corporation, assignee: See—
 Marshall, Walter R.
 Baker Co. Inc., assignee: See—
 zu Eitz, Alexander E.
 Balls, Arnold K.: See—
 Tucker, Irwin W., and Balls.
 Bardin, Jesse H., Jackson, Miss. Outboard motor pan and cover. 2,434,784, Jan. 20.
 Barker, Orrin: See—
 Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
 Barrow, Llewellyn L., U. S. Army, Camp Edwards, Mass. Pharmaceutical preventive and remedy for motion sickness. 2,434,685, Jan. 20.
 Bassett, Glenn C., Brighton, N. Y. Eaves trough attaching mechanism. 2,434,754, Jan. 20.
 Bates, John R., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Production of high octane gasolines. 2,434,634, Jan. 20.
 Bell Telephone Laboratories, Incorporated, assignee: See—
 Fox, Arthur G.
 Goodale, Walter D., Jr., and Pope.
 Mason, Warren P.
 Meacham, Larned A.
 Williams, Samuel B.
 Belmont Radio Corporation, assignee: See—
 Hills, Elmer G.
 Bentzman, Louis, Bronx, assignor to Accmatool Co., Inc., New York, N. Y. Adjustable tripod head. 2,434,829, Jan. 20.
 Bettendorf Company, The, assignee: See—
 Kottmann, Arthur A., and Rohlfing.
 Billins, Martin, Brooklyn, and R. Fischer, New York, N. Y. Discardable and deodorizing garment shield. 2,434,830, Jan. 20.
 Black, William E., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Separating ingots from their stools. 2,434,733, Jan. 20.
 Blaettler, Paul X., assignee, et al.: See—
 Ferla, John.
 Blumenstein, Max E., Hyattsville, Md. Picture slide feeding mechanism. 2,434,785, Jan. 20.
 Boehmer, Francis D.: See—
 Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
 Bollaert, Remi, Oakland, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote control system for cranes. 2,434,636, Jan. 20.
 Boyd, Frank S., Alameda, Calif. Parachute release. 2,434,755, Jan. 20.
 Bramberry, Harry M., New Castle, Ind. Cylinder surface character. 2,434,880, Jan. 20.
 Brandenburg, Julius, New York, N. Y. Umbilical clip and holder for same. 2,434,831, Jan. 20.
 Brister, Paul M., Madison, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid separator. 2,434,637, Jan. 20.
 British Textile Manufacturing Company Limited, assignee: See—
 Alexander, Cecil D., and Gibson.
 Brooks, Lewis C., Madison, assignor of one-third to I. M. Jones, Mequon, Wis. Hermetically sealed container and method of making the same. 2,434,756, Jan. 20.
 Brown, Harman R., assignee, et al.: See—
 Parkhill, Frederic W.
 Browning, Kenneth W., Murray, Utah. Window and blind construction. 2,434,786, Jan. 20.
 Bruun, Otto J., Stoke Poges, England. Securing the nozzle portion to the body portion of collapsible tubular containers. 2,434,832, Jan. 20.
 Bryers, Harvey A., Dayton, Ohio. Antenna support and feed through. 2,434,638, Jan. 20.
 Budan, Herman W., Los Angeles, Calif. Milk bottle cap. 2,434,787, Jan. 20.
 Bugatti, Ettore, Paris, France. Spindle for milling machines. 2,434,639, Jan. 20.
 Buis, Marinus, Whitby, and D. M. Samuel, Chester, England, assignors to Shell Development Company, San Francisco, Calif. Surface active compositions. 2,434,683, Jan. 20.
 Burdwood, Howard A., Portland, Maine. Machine for stripping covered cables. 2,434,640, Jan. 20.
 Burns, Henry L., Yellow Springs, Ohio. Resilient seat cushion. 2,434,641, Jan. 20.
 Buschmann, Oskar H., assignor to Copeland Refrigeration Corporation, Sidney, Ohio. Compressor valve. 2,434,734, Jan. 20.
 Buxton, Loran O., Newark, assignor to Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin concentrates. 2,434,788, Jan. 20.
 Buxton, Loran O., Newark, assignor to Nopco Chemical Company, Harrison, N. J. Fractionation of marine oils. 2,434,789, Jan. 20.
 Buxton, Loran O., Newark, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilizing fatty materials. 2,434,790, Jan. 20.
 Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Double-ended electric incandescent lamp. 2,434,757, Jan. 20.
 Casperson, Carl E., Tulsa, Okla. Swivel joint for rotary drilling. 2,434,684, Jan. 20.
 Certain-teed Products Corporation, assignee: See—
 Dryer, Eldon O.
 Chausson, Gaston, assignor to Societe Anonyme Des Usines Chausson, Asnieres, France. Gearbox control device. 2,434,735, Jan. 20.
 Chonacki, Frank: See—
 Van Cleef, Paul, and Chonacki.
 Ciapetta, Frank G., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Condensation of hydrocarbons by contact with concentrated sulfuric acid in silica gel. 2,434,833, Jan. 20.
 Civitarese, Joseph A., Lodi, N. J. Lathe attachment. 2,434,834, Jan. 20.
 Clark Bros. Co., Inc., assignee: See—
 Kluppel, Clement B.

Clasen, Claus J. Werner: *See*—
Maatman, Egbert J., and Clasen.
Claus, John H., Lincoln, Nebr. Tent. 2,434,685, Jan. 20.
Clayton-Wright, Howard, Stratford-on-Avon, England, assignor to Simpson C. Leonard, Detroit, Mich. Fluid seal for shafts and bearings or the like. 2,434,686, Jan. 20.
Cobb, James F., Portland, Oreg., assignor to The Moore Dry Kilm Company of Oregon. Drier control. 2,434,758, Jan. 20.
Colgate-Palmolive-Peet Company, assignee: *See*—
Ross, John, Potter, and Yolles.
Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Variable fluid passage. 2,434,835, Jan. 20.
Conklin, James W., Audubon, N. J., assignor to Radio Corporation of America. Selsyn-controlled electric motor system. 2,434,836, Jan. 20.
Conrad, Elton: *See*—
Van Beuren, John M., and Conrad.
Consolidated Vultee Aircraft Corporation, assignee: *See*—
Waller, Donald D.
Cook, Leonard W.: *See*—
Johnson, Wilber M., and Cook.
Copeland Refrigeration Corporation, assignee: *See*—
Buschmann, Oskar H.
Cornett, Richard O., Cambridge, Mass. Null-type differential micromanometer. 2,434,837, Jan. 20.
Corson, G. & W. H., Inc., assignee: *See*—
Minnick, Leonard J.
Cottrell, Robert B., Chicago, assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,434,838, Jan. 20.
Courter, Donald H.: *See*—
White, Walter T., and Courter.
Couse, Kibbey W., Newark, N. J. Shifting mechanism for power transmission apparatus. 2,434,791, Jan. 20.
Cox, George W.: *See*—
Welsh, Robert J., and Cox.
Crown Stove Works, assignee: *See*—
Rogers, Charles J., and Bright.
Davis, Orris L., Oakland, and A. C. Nixon, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treating hydrocarbons. 2,434,839, Jan. 20.
Deardorff, C. E., Inc., assignee: *See*—
Deardorff, Clarence E.
Deardorff, Clarence E., Sacramento, Calif., assignor to C. E. Deardorff, Inc. Cream separator. 2,434,642, Jan. 20.
Dill, Gilbert D., South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation. Abrasive cleaning system. 2,434,881, Jan. 20.
Distillation Products, Inc., assignee: *See*—
Embree, Norris D., and Shantz.
Dittrich, Francis J., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway dining car. 2,434,841, Jan. 20.
Dolberg, Charles E., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency amplifier. 2,434,792, Jan. 20.
Donovan, Karl, Wichita, Kans. Tricycle vehicle. 2,434,759, Jan. 20.
Douglas Aircraft Company, Inc., assignee: *See*—
Smithson, James S.
Downing, Douglas C.: *See*—
Wright, George F., Richmond, and Downing.
Drake, Arthur E., Hockessin, assignor to Hercules Powder Company, Wilmington, Del. Oxidation of an alkali metal salt of dehydroabietic acid. 2,434,643, Jan. 20.
Draper Corporation, assignee: *See*—
Triff, Emerson B.
Dryden, Charles E.: *See*—
Buxton, Loran O., and Dryden.
Dryer, Eldon O., Port Orchard, Wash., assignor to Certain-teed Products Corporation, Chicago, Ill. Apparatus for surfacing sheet material. 2,434,736, Jan. 20.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Latham, George H., and Strain.
Eagle Pencil Company, assignee: *See*—
Hanle, Benjamin W.
Eaves Sound Projectors, Inc., assignee: *See*—
Eaves, William C.
Eaves, William C., Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., New York, N. Y. Pneumatic sound producing device. 2,434,842, Jan. 20.
Eggleston, Smith, assignor to Standard Conveyor Company, North St. Paul, Minn. Conveyor. 2,434,760, Jan. 20.
Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N., and Kling.
Embree, Norris D., and E. M. Shantz, assignors to Distillation Products, Inc., Rochester, N. Y. Process for producing vitamin A active esters. 2,434,687, Jan. 20.
Engelhauser, Winford L., Cincinnati, assignor to The Production Plating Works, Inc., Lebanon, Ohio. Machine for closing tube ends. 2,434,737, Jan. 20.
Englander, Benjamin F., assignee: *See*—
Snodgrass, Benjamin W.
English Electric Company Limited, The, assignee: *See*—
Welsh, Robert J.
Welsh, Robert J., and Cox.
Evans, Ralph L., Bay Shore, N. Y. Regenerated keratin. 2,434,688, Jan. 20.

Ewart, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control mechanism for power-operated guns. 2,434,689, Jan. 20.
Eyre Smelting Company, Limited, The, assignee: *See*—
Higgins, Cecil C.
Fahnestock, Frank C., Manhasset, and W. Ullrich, Pleasantville, N. Y., assignors of one-half to Socony-Vacuum Oil Company, Incorporated, and one-half to The Lummus Company. Hydrocarbon conversion in presence of particle form catalysts. 2,434,843, Jan. 20.
Fairweather, Robert W., Roslyn, N. Y. Sound wave direction determinator. 2,434,644, Jan. 20.
Fawick Airflex Company, The, assignee: *See*—
Fawick, Thomas L.
Fawick, Thomas L., Akron, Ohio, assignor to The Fawick Airflex Company, Inc. Assembly for brakes or clutches. 2,434,761, Jan. 20.
Fawick, Thomas L., Akron, Ohio, assignor to The Fawick Airflex Company. Assembly for brakes and clutches. 2,434,762, Jan. 20.
Feaster, Edward B., Springfield, Mass. Electric cord. 2,434,793, Jan. 20.
Feinberg, Archie S., Dallas, Tex. Heat insulator for heating grilles. 2,434,763, Jan. 20.
Feria, John, East Orange, assignor of one-fourth to P. X. Blaettler, Oaklyn, and three-fourths to U. S. Asbestos Cement Pipe Company, Camden, N. J. Machine for producing asbestos-cement pipes. 2,434,690, Jan. 20.
Fields, Warren S., Sacramento, Calif. Saw sharpener. 2,434,691, Jan. 20.
Fischer, Rose: *See*—
Billins, Martin, and Fischer.
Flindt, Charles L., San Jose, Calif. Sole trimming and cutting machine. 2,434,738, Jan. 20.
Flindt, Charles L., San Jose, Calif. Sole trimming machine. 2,434,739, Jan. 20.
Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,434,844, Jan. 20.
Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide bend. 2,434,645, Jan. 20.
Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide branching arrangement. 2,434,646, Jan. 20.
Francis Company: *See*—
Taft, Franklyn J.
Francis, Joseph S., assignee: *See*—
Taft, Franklyn J.
Franklin Transformer Manufacturing Co., assignee: *See*—
Pugh, Merlin L.
Froehlich, Kurt, and E. Grieshaber, assignors to Nordberg Manufacturing Company, Milwaukee, Wis. Reversing gear. 2,434,847, Jan. 20.
Froelich, Herman C., Cleveland, and A. R. Hersey, Shaker Heights, Ohio, assignors to General Electric Company. Calcium cadmium molybdate phosphor. 2,434,764, Jan. 20.
Fuller Company, assignee: *See*—
Gaffney, Joseph B.
Fulton Syphon Company, The, assignee: *See*—
Giesler, Jean V.
Gaffney, Joseph B., Hokendauqua, assignor to Fuller Company, Borough of Catasauqua, Pa. Cooling means for rotary kiln nose rings. 2,434,845, Jan. 20.
Garden City Plating & Manufacturing Co., assignee: *See*—
Kurtzon, George B.
Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making cores of magnetic material for electromagnetic coils. 2,434,692, Jan. 20.
General Electric Company, assignee: *See*—
Cartun, Paul O.
Froelich, Herman C., and Hersey.
Johnson, Wilber M., and Cook.
Malloy, Frank J.
Willits, Winfield H.
Gibson, Samuel: *See*—
Alexander, Cecil D., and Gibson.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Damped bellows. 2,434,794, Jan. 20.
Glaser, Edward M., Bellmore, and Girard S. Toombs, Rockville Centre, N. Y., assignors to Square D Company, Detroit, Mich. Contact device. 2,434,740, Jan. 20.
Glasing, Joseph S., Huntington, and H. D. Marcotte, assignors to Westfield River Paper Company, Inc., Russell, Mass. Machine for laminating. 2,434,795, Jan. 20.
Globe Automatic Sprinkler Company, assignee: *See*—
Rowley, Arthur C.
Goodale, Walter D., Jr., Convent, and T. J. Pope, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave translating device. 2,434,648, Jan. 20.
Goodrich, B. F., Company, assignee: *See*—
Colley, Russell S.
Goslin-Birmingham Manufacturing Company, Inc., assignee: *See*—
Little, John W.
Graham, Edward K. P., Stockholm, Sweden. Vehicle having a body carried by two opposing journals on two wheel-supported frames. 2,434,693, Jan. 20.

Grayson Heat Control, Ltd., assignee: *See*—
Solovieff, George B.
Grieshaber, Emil: *See*—
Froehlich, Kurt, and Grieshaber.
Grontkowski, R. B., assignee et al.: *See*—
Lange, Ferdinand H.
Grossmann, Paul, Binningen, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. 1-amino-2-hydroxyalkylthio-4-arylamino-anthraquinones. 2,434,765, Jan. 20.
Gruskin, Benjamin, New York, N. Y., assignor to Lakeland Foundation, Chicago, Ill. Purification of chlorophyll by floating off impurities with the aid of a salt solution. 2,434,649, Jan. 20.
Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Extractive distillation of C₄ hydrocarbons with furfural. 2,434,796, Jan. 20.
Hagan, John J., Philadelphia, Pa. Pipe coupling for faucet connections. 2,434,846, Jan. 20.
Hagen, Harold F., Wellesley, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Air conditioning unit having a reversible fan wheel. 2,434,847, Jan. 20.
Hamilton, William F.: *See*—
Turnbull, Frederick M., and Hamilton.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company. Mechanical pencil. 2,434,882, Jan. 20.
Harvel Corporation, The, assignee: *See*—
Harvey, Mortimer T.
Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Glyceryl ether of hydrogenated cardanol. 2,434,797, Jan. 20.
Hauptman, Frederic F., Rego, Mich. N. Y., assignor to Square D Company, Detroit, Mich. Ground speed indicator. 2,434,694, Jan. 20.
Hefner, George D., Oak Park, and A. C. Pramschleifer, Chicago, Ill. Traffic control light. 2,434,741, Jan. 20.
Helms, William, South Bend, Ind. Waterproof cement. 2,434,695, Jan. 20.
Herbst, Walter A., Union, N. J., assignor to Standard Oil Development Company. Motor fuels and preparation thereof. 2,434,650, Jan. 20.
Hercules Powder Company, assignee: *See*—
Drake, Arthur E.
Humphrey, Irvin W.
Herrington, Kurb A., Chicago, Ill. Dirigible headlight structure. 2,434,766, Jan. 20.
Hersey, Ann R.: *See*—
Froelich, Herman C., and Hersey.
Hertel, George W., assignee: *See*—
Hertel, Nicholas.
Hertel, Joseph W., administrator: *See*—
Hertel, Nicholas.
Hertel, Nicholas, Grand Rapids, Mich.; Joseph W. Hertel, administrator of said Nicholas Hertel, deceased, assignor, by mesne assignments, to George W. Hertel, Grand Rapids, Mich. Sprinkler nozzle. 2,434,767, Jan. 20.
Hess, Relza J., assignor to American Steel Foundries, Chicago, Ill. Hydraulic safety bed. 2,434,848, Jan. 20.
Hess, Relza J., assignor to American Steel Foundries, Chicago, Ill. Press. 2,434,849, Jan. 20.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to United States of America, as represented by the Secretary of War. Igniter. 2,434,652, Jan. 20.
Higgins, Cecil C., assignor to The Eyre Smelting Company, Limited, London, England. Controlling the viscosity and flow of fluids. 2,434,798, Jan. 20.
Higgins, Cecil C., assignor to The Eyre Smelting Company, Limited, London, England. Viscosity-responsive valve. 2,434,799, Jan. 20.
Higginbotham, Fred P.: *See*—
Rutledge, Rubertus W., and Higginbotham.
Hills, Elmer G., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Electrical connector for coaxial cables. 2,434,742, Jan. 20.
Hittenberger, Herman G., Alameda, Calif. Surgical appliance. 2,434,883, Jan. 20.
Hochwalt, Carroll A., Rahn Road, and C. J. Stehman and R. W. Sudhoff, Vanburen Township, Montgomery County, Ohio, assignors to Monsanto Chemical Company. Production of formaldehyde. 2,434,850, Jan. 20.
Hoerle, Christian K., Torrington, Conn. Composite wood and metal ski. 2,434,851, Jan. 20.
Hollander, Maurice, New York, N. Y. Support for trays on folding bathtubs. 2,434,800, Jan. 20.
Holley, Earl, assignee, et al.: *See*—
Udale, Stanley M.
Holley, George M., assignee, et al.: *See*—
Udale, Stanley M.
Holmes, Gray W., Miller, Mo. Thermostatic switch and holder therefor. 2,434,696, Jan. 20.
Holschuh, Carl G., Glenhead, and L. C. Warner, Jackson Heights, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Power-operated aircraft gun turret. 2,434,653, Jan. 20.
Homer, John F., Newport, R. I. Oxygen tank cradle. 2,434,655, Jan. 20.
Homrighous, Charles H., Oak Park, Ill. Time division multiplex telephone system. 2,434,697, Jan. 20.

Homrighous, John H., Oak Park, Ill. Time division multiplex telephone system. 2,434,698, Jan. 20.
Honorary Advisory Council for Scientific and Industrial Research, assignee: *See*—
Wright, George F., Richmond, and Downing.
Hornfeck, Anthony J.: *See*—
Junkins, Raymond D., and Hornfeck.
Huff, Ralph H., Los Angeles, Calif. Refining unsaturated acids and esters. 2,434,699, Jan. 20.
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Purifying modified rosin. 2,434,656, Jan. 20.
Hutto, Maraden C., assignor to Vinco Corporation, Detroit, Mich. Internal abrasive device. 2,434,801, Jan. 20.
Imperial Chemical Industries Limited, assignee: *See*—
Taylor, James, and Whetstone.
Induction Heating Corp., assignee: *See*—
Rudd, Wallace C.
Irmischer, Hans O., Roslyn, N. Y., assignor to National Urn Bag Company, Inc. Mechanism for heat sealing package seam joints. 2,434,657, Jan. 20.
Jackson, Harold F., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Grid hearth. 2,434,852, Jan. 20.
Jacobs, Albert A., Milwaukee, Wis. Pump of the tube compressing type. 2,434,802, Jan. 20.
Jarrett, Henry W., assignee, et al.: *See*—
Lago, Francis.
Johns-Manville Corporation, assignee: *See*—
Van Cleef, Paul, and Chonacki.
Johnson, Arvin C., and C. C. Oliver, New Orleans, La. Freezing mold for ice sticks. 2,434,803, Jan. 20.
Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Machine tool control. 2,434,853, Jan. 20.
Johnson, Wilber M., Cleveland Heights, Ohio, and L. W. Cook, Stratford, Conn., assignors to General Electric Company. Control switch for discharge lamps. 2,434,768, Jan. 20.
Jones, Ira M., assignee: *See*—
Brooks, Lewis G.
Jones & Laughlin Steel Corporation, assignee: *See*—
Black, William E.
Jones, William E., Champaign, Ill. Universal crankshaft bearing hone. 2,434,769, Jan. 20.
Junkins, Raymond D., and A. J. Hornfeck, Cleveland Heights, Ohio, assignors to Bailey Meter Company. Tube controlled work and feed motor system. 2,434,854, Jan. 20.
Katz, Robert, Yellow Springs, Ohio. Antenna strain insulator. 2,434,658, Jan. 20.
Kearney & Trecker Corporation, assignee: *See*—
Trecker, Theodore, and Armitage.
Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
Keckley, Paul M., Wardensville, W. Va. Motor float. 2,434,700, Jan. 20.
Kemler, Emory N., West La Fayette, assignor to Muncie Gear Works, Inc., Muncie, Ind. Glider and cargo pickup. 2,434,701, Jan. 20.
Klien, Victor G.: *See*—
Mueller, Carl H., and Klien.
Kling, Nelson: *See*—
Ashton, Benjamin N., and Kling.
Kluppel, Clement B., Houston, Tex., assignor to Clark Bros. Co., Inc., Olean, N. Y. Crankshaft mounting. 2,434,659, Jan. 20.
Knight, Frank E., Northampton, Mass. Tool for rotating threaded articles. 2,434,660, Jan. 20.
Kopczynski, John F., Buffalo, N. Y. Tool. 2,434,702, Jan. 20.
Koppelman, Morris D., New Haven, Conn., assignor to Olin Industries, Inc. Dry cell closure. 2,434,703, Jan. 20.
Kosterlitzky, Jose L. T., Guadalajara, Mexico. Coating metal articles. 2,434,855, Jan. 20.
Kottmann, Arthur A., and F. Rohlfing, Davenport, assignors to The Bettendorf Company, Bettendorf, Iowa. Band blade guide. 2,434,884, Jan. 20.
Kroger, Fred H., Los Angeles, Calif., assignor to Radio Corporation of America. Electric space discharge circuits. 2,434,704, Jan. 20.
Krueger, Herbert E., Vallejo, Calif. Centering gauge for setting up work in balancing machines. 2,434,661, Jan. 20.
Kurtzon, George B., Chicago, Ill., assignor to Garden City Plating & Manufacturing Co., Inc. Lamp fixture. 2,434,781, Jan. 20.
La Forge, Frederick B., Arlington, Va., assignor to the United States of America as represented by the Secretary of Agriculture. Tetrahydropyran compound. 2,434,856, Jan. 20.
Lagercrantz, Mary S., Dobbs Ferry, N. Y. Pumping apparatus. 2,434,804, Jan. 20.
Lago, Francis, Bronx, assignor to H. W. Jarrett and P. H. Sellev, New York, N. Y. Gas compressor. 2,434,705, Jan. 20.
Lakeland Foundation, assignee: *See*—
Gruskin, Benjamin.

LIST OF PATENTEES

Lange, Ferdinand H., Wilkes-Barre, assignor of one-third to W. L. Teeter, Kingston, and one-third to R. B. Grontkowski, Hazleton, Pa. Car door. 2,434,805, Jan. 20.

Lanier, Hubert R.: See—
Snow, Albert G., Jr., and Lanier.

Larson, Alfred O., Grand Rapids, assignor to American Seating Company, Kent County, Mich. Seating arrangement. 2,434,857, Jan. 20.

Latham, George H., and D. E. Strain, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyethylene stabilized with zis-(hydroxyphenyl) propanes. 2,434,862, Jan. 20.

Leonard, Simpson C., assignee: See—
Clayton-Wright, Howard.

Lépine, Raphaël, Hawkesbury, Ontario, Canada. Hygienic toothpick dispenser. 2,434,808, Jan. 20.

Letvin, Samuel, Philadelphia, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid separator. 2,434,663, Jan. 20.

Lewis, James C.: See—
Olcott, Harold S., and Lewis.

Lincoln Engineering Company, assignee: See—
Mueller, Carl H., and Kilien.

Little, John W., Birmingham, Ala., assignor to Goshlin-Birmingham Manufacturing Company, Inc. Filter leaf support. 2,434,807, Jan. 20.

Ludwig, Walter E., assignee, et al.: See—
Parkhill, Frederic W.

Lumms Company, The, assignee, et al.: See—
Fahnestock, Frank C., and Ullrich.

Lutey, William J., Seattle, Wash. Shoe sole. 2,434,770, Jan. 20.

Lynch Package Machinery Corporation, assignee: See—
Sandberg, Oscar.

Maatman, Egbert J., and C. J. W. Clasen, assignors to American Steel Foundries, Chicago, Ill. Ride control truck. 2,434,858, Jan. 20.

Mahlot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Sheet feeding mechanism. 2,434,808, Jan. 20.

Malloy, Catherine A., executrix: See—
Malloy, Frank J.

Malloy, Frank J., deceased, late of University Heights, by C. A. Malloy, executrix, University Heights, Ohio, assignor to General Electric Company. Sealing-in machine. 2,434,664, Jan. 20.

Malyszko, Paul D., Portland, Oreg. Reciprocating closure for collapsible tubes with parallel guide flanges. 2,434,706, Jan. 20.

Marcotte, Harold D.: See—
Glasing, Joseph S., and Marcotte.

Marshall, Walter R., Bloomfield, N. J., assignor to Baki-lite Corporation. Continuous milling process and apparatus. 2,434,707, Jan. 20.

Martin, Oliver O., Montrose, Calif. Justifying mechanism for typewriters. 2,434,665, Jan. 20.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Plastic housing. 2,434,666, Jan. 20.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultrasonic prism. 2,434,667, Jan. 20.

Mathis, William R., Tampa, Fla. Molding apparatus for forming buildings. 2,434,708, Jan. 20.

Matthews, Russell R., Cornwall, N. Y. Nonslip textile article. 2,434,709, Jan. 20.

May, Edward M., Detroit, Mich. Fluid pressure apparatus. 2,434,668, Jan. 20.

McLoughlin, Arthur J., Elmhurst, N. Y. Window structure. 2,434,859, Jan. 20.

Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 2,434,669, Jan. 20.

Measurements Corporation, assignee: See—
Van Beuren, John M., and Conrad.

Merritt, Dale W.: See—
Robertson, Archibald, and Merritt.

Middendorf, Marie H., Burbank, Calif. Wearing apparel. 2,434,743, Jan. 20.

Miller, Walter B.: See—
Sample, George E., and Miller.

Minnick, Leonard J., Cheltenham, assignor to G. & W. H. Corson, Inc., Plymouth Meeting, Pa. Treating alkaline earth hydrates or oxides, and the resulting product. 2,434,710, Jan. 20.

Mobbs, Herbert, Church Brampton, near Northampton, and G. H. Smith, Slough, England. Sliding roof for vehicles. 2,434,711, Jan. 20.

Monsanto Chemical Company, assignee: See—
Hochwalt, Carroll A., Stehman, and Sudhoff.

Moore Dry Kiln Company of Oregon, The, assignee: See—
Cobb, James F.

Moore, J. W., Machinery Corporation, assignee: See—
Paulsen, Hans C.

Moss, Earl C., Westfield, and H. W. Schaufelberger, Union, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,434,744, Jan. 20.

Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Rear sight for firearms. 2,434,712, Jan. 20.

Mossberg, O. F. & Sons, Inc., assignee: See—
Mossberg, Harold F.

Mrosc, John A., Forest Hills, Pa., assignor to Rockwell Manufacturing Company. Stuffing box for rotary spindles. 2,434,870, Jan. 20.

Mueller, Carl H., Ferguson, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Liquid dispenser. 2,434,771, Jan. 20.

Mueller, Charles W., Princeton, N. J., assignor to Radio Corporation of America. Beam deflection tube having parallel focusing and beam defining plates. 2,434,713, Jan. 20.

Muncie Gear Works, Inc., assignee: See—
Kemper, Emory N.

Murphy, Thomas J., Stamford, Conn. Electric reciprocating motor. 2,434,671, Jan. 20.

National Distillers Products Corporation, assignee: See—
Pattee, Ellis C.

National Urn Bag Company, Inc., assignee: See—
Irmischer, Hans O.

Newcombe, Marguerite S., Crystal Lake, Ill. Garment. 2,434,714, Jan. 20.

New Haven Clock and Watch Company, The, assignee: See—
Whitehead, Richard H.

Nixon, Alan C.: See—
Davis, Orris L.

Nopco Chemical Company, assignee: See—
Buxton, Loran O.

Buxton, Loran O., and Dryden.

Nordberg Manufacturing Company, assignee: See—
Froehlich, Kurt, and Grieshaber.

Northrup, Harold B., Johnstown, N. Y. Garment. 2,434,809, Jan. 20.

Norton Company, assignee: See—
Teague, Ernest D.

Wagner, Herbert W., and Wickstrom.

Ohio Steel Foundry Company, The, assignee: See—
Jackson, Harold F.

Olcott, Harold S., and James C. Lewis, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Glutamic acid-free protein hydrolysate and the production thereof. 2,434,715, Jan. 20.

Olin Industries, Inc., assignee: See—
Koppelman, Morris D.

Oliver, Charles C.: See—
Johnson, Avin C., Oliver.

Oslack, Joseph J., Detroit, assignor to Vinco Corporation, Detroit, Mich. Apparatus for dressing involute profiles. 2,434,810, Jan. 20.

Oxley, Janet M., executrix: See—
Oxley, John H.

Oxley, John H., Watertown, Mass., J. M. Oxley, executrix of said John H. Oxley, deceased, assignor to John H. Oxley Company, Watertown, Mass. Easel. 2,434,860, Jan. 20.

Oxley, John H., Company, assignee: See—
Oxley, John H.

Pachner, Leo, Chicago, Ill. Combination applicator and line dressing container. 2,434,861, Jan. 20.

Padgett, Grady, Beaver, Pa. Vertical coke oven with regenerator. 2,434,862, Jan. 20.

Parker, Jack R.: See—
Watts, Albert E., Jr., and Parker.

Parkhill, Frederic W., Wichita, Kans., assignor of one-fourth to Harman R. Brown and one-fourth to Walter E. Ludwig, Kansas City, Mo. Caster. 2,434,863, Jan. 20.

Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation. Method of concentrating distillery still slop. 2,434,672, Jan. 20.

Paulsen, Hans C., Medford, assignor to J. W. Moore Machinery Corporation, Everett, Mass. Machine for handling and feeding washers. 2,434,865, Jan. 20.

Paulson, Bernard J., Waukesha, Wis. Blower. 2,434,745, Jan. 20.

Peterson, Ralph G., Long Beach, Calif. Docking strut. 2,434,873, Jan. 20.

Phileo Corporation, assignee: See—
Dolberg, Charles E.

Phillips Petroleum Company, assignee: See—
Hachmuth, Karl H.

Pincus, Alexis G., assignor to American Optical Company, Southbridge, Mass. Fused unitary vitreous composition for use as a detergent, water treating agent and deflocculant. 2,434,674, Jan. 20.

Poor & Company, assignee: See—
Preston, Frederick A., and Warr.

Pope, Thomas J.: See—
Goodale, Walter D., Jr., and Pope.

Potter, Dwight J.: See—
Ross, John, Potter, and Yolles.

Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for detecting imperfections in filamentary materials. 2,434,864, Jan. 20.

Pramschiefer, Albert C.: See—
Hefner, George D., and Pramschiefer.

Preston, Frederick A., Lake Forest, and H. G. Warr, Park Ridge, assignors to Poor & Company, Chicago, Ill. Two-way rail anchor. 2,434,865, Jan. 20.

LIST OF PATENTEES

Production Plating Works, Inc., The, assignee: See—
Engelhauser, Winford L.

Pugh, Merlin L., Minneapolis, assignor to Franklin Transformer Manufacturing Co., Minneapolis, Minn. Rotary drum clothes drier having air circulating means and a lamp heater. 2,434,886, Jan. 20.

Pullman-Standard Car Manufacturing Company, assignee: See—
Dittrich, Francis J.

Radio Corporation of America, assignee: See—
Conklin, James W.

Kroger, Fred H.

Mueller, Charles W.

Sanders, Jr., Royden C.

Raley, John H.: See—
Rust, Frederick F., and Raley.

Ralph, Sidney, Jacksonville, Fla. Shirt board. 2,434,716, Jan. 20.

Randol, Glenn T., Detroit, Mich. Power drive control system. 2,434,717, Jan. 20.

Recker, Gerald J., Hopkinton, Iowa. Wagon-box conveyor. 2,434,718, Jan. 20.

Redington, F. B., Co., assignee: See—
Mahlot, Clarence J.

Repass, George E. and J. E., Hopedale, Mass. Cross laying. 2,434,887, Jan. 20.

Repass, James E.: See—
Repass, George E. and J. E.

Richmond, Henry H.: See—
Wright, George F., Richmond, and Downing.

Riedel, Kurt A.: See—
Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.

Riese, Karl F.: See—
Williams, James T., and Riese.

Robertson, Alexander, assignor to Venango Engineering Company, Inc., Philadelphia, Pa. Fibrous stock dyeing machine. 2,434,719, Jan. 20.

Robertson, Anthony E., Roselle, N. J., assignor to Standard Oil Development Company. Stabilized xylidine and process for preparing same. 2,434,651, Jan. 20.

Robertson, Archibald, North Hollywood, and D. W. Merritt, Torrance, assignors to Adel Precision Products Corp., Burbank, Calif. Mounting means for flexible strap clips. 2,434,720, Jan. 20.

Rockwell Manufacturing Company, assignee: See—
Mrosc, John A.

Rogers, Charles J., Jr., River Forest, and J. Bright, Elmhurst, assignors to Crown Stove Works, Cicero, Ill. Stove construction having top section securing means. 2,434,811, Jan. 20.

Roles, Duane, Toledo, Oreg. Mixer. 2,434,812, Jan. 20.

Ross, John D. J., Potter, and S. Yolles, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing organic sulphonic derivatives. 2,434,746, Jan. 20.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Spray nozzle. 2,434,721, Jan. 20.

Ruben, Zorro D., Chicago, Ill. Fluid power unit. 2,434,747, Jan. 20.

Rubin, Benjamin, Philadelphia, Pa. Typewriter paper guide. 2,434,866, Jan. 20.

Rudd, Wallace C., Larchmont, assignor to Induction Heating Corp., New York, N. Y. Brazing metal joints protected by sodium silicate, by means of induction heating. 2,434,867, Jan. 20.

Rust, Frederick F., and J. H. Raley, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogen bromide-catalyzed oxidation. 2,434,888, Jan. 20.

Rutledge, Rubertus W., Morganton, and F. P. Higginbotham, Black Mountain, N. C. Railway switch locking device. 2,434,722, Jan. 20.

Sacia, Roger R., West Bend, Wis. Toilet seat accessory. 2,434,869, Jan. 20.

Sample, George E., St. Louis, Mo., and W. B. Miller, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Removal of carbonyl sulfide from a hydrocarbon fluid. 2,434,868, Jan. 20.

Samuel, Dillwyn M.: See—
Buis, Marinus, and Samuel.

Sandberg, Oscar, Defiance, assignor to Lynch Package Machinery Corporation, Toledo, Ohio. Article feeding mechanism for wrapping machines. 2,434,772, Jan. 20.

Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Aircraft navigation. 2,434,813, Jan. 20.

Saunders, James B., Alexandria, Va. Pupillometric exposure meter. 2,434,890, Jan. 20.

Schaufelberger, Henry W.: See—
Moss, Earl C., and Schaufelberger.

Schneider, Hans: See—
Schneider, Jules and H.

Schneider, Jules and H., La Chaux de Fonds, Switzerland. Machine for electric welding of dial feet onto dial plates. 2,434,814, Jan. 20.

Schuh, Charles N., Jr.: See—
Watkins, Frederic M., and Schuh.

Scovill Manufacturing Company, assignee: See—
Spender, Donald L.

Sellew, Philip H., assignee, et al.: See—
Lago, Francis.

Shantz, Edgar M.: See—
Embre, Norris D., and Shantz.

Shaw, Richard J., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for educting oil from oil shale by use of superheated steam. 2,434,815, Jan. 20.

Shell Development Company, assignee: See—
Buis, Marinus, and Samuel.

Davis, Orris L., and Nixon.

Rust, Frederick F., and Raley.

Sample, George E., and Miller.

Shook, Ellen L., Port Arthur, Tex. Measuring volumetric samples. 2,434,723, Jan. 20.

Sigman, John J., Cicero, Ill. Victory light. 2,434,774, Jan. 20.

Simpson, Ernest H., Gettysburg, Pa. Governor for power driven air supply units. 2,434,675, Jan. 20.

Smith, George H.: See—
Mobbs, Herbert, and Smith.

Smithson, James S., Beverly Hills, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Gun and gunner's chair mounting. 2,434,724, Jan. 20.

Snodgrass, Benjamin W., assignor of one-half to B. F. Englander, Denver, Colo. Electric hammer. 2,434,725, Jan. 20.

Snow, Albert G., Jr., Lake City, and H. R. Lanier, Olustee, Fla., assignors to the United States of America, as represented by the Secretary of Agriculture. Bark chipping back for turpentine trees. 2,434,869, Jan. 20.

Societe Anonyme des Usines Chausson, assignee: See—
Chausson, Gaston.

Society of Chemical Industry in Basle, assignee: See—
Grossmann, Paul.

Socony-Vacuum Oil Company, Incorporated, assignee, et al.: See—
Fahnestock, Frank C., and Ullrich.

Sodders, Noel S., Cleveland, Ohio. Cap for containers. 2,434,773, Jan. 20.

Solvieff, George B., South Gate, assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Position indicating device. 2,434,870, Jan. 20.

Sosnick, Benjamin, San Francisco, Calif. Making foam-like mass of metal. 2,434,775, Jan. 20.

Spender, Donald L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cooling unit. 2,434,676, Jan. 20.

Sperry Gyroscope Company, Inc., assignee: See—
Holschuh, Carl G., and Warner.

Watkins, Frederic M., and Schuh.

White, Walter T., and Courter.

Square D Company, assignee: See—
Glaser, Edward M., and Toombs.

Hauptman, Frederic F.

Standard Conveyor Company, assignee: See—
Eggleston, Smith.

Standard Oil Development Company, assignee: See—
Herbst, Walter A.

Robertson, Anthony E.

Stehman, Carlyle J.: See—
Hochwalt, Carroll A., Stehman, and Sudhoff.

Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid separator. 2,434,677, Jan. 20.

Strain, Daniel E.: See—
Latham, George H., and Strain.

Sudhoff, Roy W.: See—
Hochwalt, Carroll A., Stehman, and Sudhoff.

Sufko, Stanley, Chicago, Ill. Glove turning machine. 2,434,816, Jan. 20.

Sun Oil Company, assignee: See—
Bates, John R.

Swanson, Clarence W., Denver, Colo. Folding drying rack. 2,434,891, Jan. 20.

Szczeniowski, Boleslaw, Montreal, Quebec, Canada. Supercharger. 2,434,678, Jan. 20.

Taft, Franklyn J., assignor of one-half to J. S. Francis, doing business as Francis Company, Chicago, Ill. Motor idling period control. 2,434,871, Jan. 20.

Tanzer, George, Everett, Mass. Man's suit form extender. 2,434,817, Jan. 20.

Taylor, Albert J., Austin, Tex. Collapsible rocking chair. 2,434,748, Jan. 20.

Taylor, Herschel H., Jefferson City, Mo. Terracing machine. 2,434,818, Jan. 20.

Taylor, James, Saltcoats, and J. Whetstone, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of compact combustible explosive charges. 2,434,872, Jan. 20.

Teague, Ernest D., Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass. Abrasive tool. 2,434,749, Jan. 20.

Teeter, William L., assignee, et al.: See—
Lange, Ferdinand H.

Tessier, Albert H., Worcester, Mass. Closure for headnets. 2,434,873, Jan. 20.

Tift, Emerson B., Hopedale, assignor to Draper Corporation, Hopedale, Mass. Shuttle. 2,434,819, Jan. 20.

Tift, Emerson B., Hopedale, assignor to Draper Corporation, Hopedale, Mass. Loom temple roll. 2,434,820, Jan. 20.

LIST OF PATENTEEES

- Tinnerman Products, Inc., assignee: *See—*
 Flora, Laurence H.
 Toombs, Girard S.: *See—*
 Glasser, Edward M., and Toombs.
 Trecker, Theodore, Milwaukee, J. B. Armitage, Wauwatosa, and O. W. Barker, K. A. Riedel, and F. D. Boehmer, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,434,750, Jan. 20.
 Trecker, Theodore, Milwaukee, and J. B. Armitage, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,434,751, Jan. 20.
 Tucker, Irwin W., and A. K. Balls, Washington, D. C., assignors to the United States of America, as represented by the Secretary of Agriculture. Separation of starch and protein in wheat grain products and extraction of diastase therefrom. 2,434,874, Jan. 20.
 Turnbull, Frederick M., Los Angeles, and W. F. Hamilton, Altadena, Calif.; said Hamilton assignor to said Turnbull. Jetting device. 2,434,875, Jan. 20.
 Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Supercharger for automotive vehicles. 2,434,726, Jan. 20.
 Ullrich, Walter: *See—*
 Fahnestock, Frank C., and Ullrich.
 Ulm, Frederick A., assignor to Arkell Safety Bag Company, New York, N. Y. Bag and composite material. 2,434,892, Jan. 20.
 Ullrich, Francis J., Hollywood, Calif. Necktie holder. 2,434,821, Jan. 20.
 Union Oil Company of California, assignee: *See—*
 Shaw, Richard J.
 United Shoe Machinery Corporation, assignee: *See—*
 Ewart, John M.
 U. S. Asbestos Cement Pipe Company, assignee, et al.: *See—*
 Ferla, John.
 United States Gypsum Company, assignee: *See—*
 Wiss, John E., and Wagner.
 Van Beuren, John M., Morristown, and E. Conrad, assignors to Measurements Corporation, Boonton, N. J. Balanced alternating current excited vacuum tube meter. 2,434,822, Jan. 20.
 Van Beuren, John M., Morristown, and E. Conrad, assignors to Measurements Corporation, Boonton, N. J. Vacuum tube meter. 2,434,823, Jan. 20.
 Van Cleef, Paul, and F. Chonacki, Chicago, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Tape dispenser. 2,434,776, Jan. 20.
 Van Dusen, Charles H., Jr., Willoughby, assignor to Addressograph-Multigraph Corporation. Preparing a photosensitive blood albumin lithographic solution. 2,434,727, Jan. 20.
 Van Sant, Victor H., Glen Ridge, N. J. Plug type circuit breaker. 2,434,728, Jan. 20.
 Venango Engineering Company, Inc., assignee: *See—*
 Robertson, Alexander.
 Vinco Corporation, assignee: *See—*
 Hutto, Marsden C.
 Osplack, Joseph J.
 Wagner, Herbert W., and G. J. Wickstrom, assignors to Norton Company, Worcester, Mass. Method and apparatus for grinding. 2,434,679, Jan. 20.
 Wagner, Rio B.: *See—*
 Wiss, John E., and Wagner.
 Waller, Donald D., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Air duct system for aircraft. 2,434,752, Jan. 20.
 War, United States of America, as represented by the Secretary of, assignee: *See—*
 Hickman, Clarence N.
 Warner, Lester C.: *See—*
 Holschuh, Carl G., and Warner.
 Warr, Harold G.: *See—*
 Preston, Frederick A., and Warr.
 Warren, James W., Lynbrook, N. Y., assignor to American Machine and Foundry Company. Cowl fastener. 2,434,876, Jan. 20.
 Watkins, Frederic M., Forest Hills, and C. N. Schuh, Jr., Bellerose, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Limit stop and fire cutoff device for gun turrets. 2,434,654, Jan. 20.
 Watts, Albert E., Jr., Great Neck, and J. R. Parker, Brooklyn, N. Y. Gasoline dispensing system. 2,434,824, Jan. 20.
 Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Power plant comprising a gas turbine and an internal-combustion engine compressor serving as a gas generator thereto. 2,434,777, Jan. 20.
 Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Power plant. 2,434,778, Jan. 20.
 Welsh, Robert J., and G. W. Cox, Rugby, assignors to The English Electric Company Limited, London, England. Starting free piston internal-combustion operated compressors or gas generators. 2,434,877, Jan. 20.
 Western Electric Company, Incorporated, assignee: *See—*
 Gauthier, Marcel C.
 Moss, Earl C., and Schaufelberger.
 Powell, Paul R.
 Westfield River Paper Company, Inc., assignee: *See—*
 Glasing, Joseph S., and Marcotte.
 Westinghouse Electric Corporation, assignee: *See—*
 Bollaert, Remi.
 Denmark, Robert.
 Hagen, Harold F.
 Whetstone, John: *See—*
 Taylor, James, and Whetstone.
 White, Walter T., and D. H. Courter, Hempstead, assignors to Sperry Gyroscope Company, Inc., New York, N. Y. Limit stop apparatus. 2,434,680, Jan. 20.
 Whitehead, Richard H., assignor to The New Haven Clock and Watch Company, New Haven, Conn. Expandable bracelet. 2,434,729, Jan. 20.
 Wickstrom, Gustav J.: *See—*
 Wagner, Herbert W., and Wickstrom.
 Williams, Benjamin N., Glenham, N. Y. Pipe joint. 2,434,878, Jan. 20.
 Williams, James T., and K. F. Riese, Minneapolis, Minn.; said Riese assignor to said Williams. Incense vaporizer adapted for use as a cigar lighter. 2,434,825, Jan. 20.
 Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remotely controlled electrical calculator. 2,434,681, Jan. 20.
 Willis, Winfield H., Bedford, Ohio, assignor to General Electric Company. Mount structure for electric lamps. 2,434,779, Jan. 20.
 Wiss, John F., and R. B. Wagner, Columbus, Ohio, assignors to United States Gypsum Company, Chicago, Ill. Molding hot materials. 2,434,780, Jan. 20.
 Woock, Eric M., Lodi, Calif. Vineyard plow. 2,434,730, Jan. 20.
 Wright, George F., H. H. Richmond and D. C. Downing, Toronto, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Preparing an explosive. 2,434,879, Jan. 20.
 Wubben, Robert W., Los Angeles, Calif. Auto top ski carrier. 2,434,826, Jan. 20.
 Yolles, Seymour: *See—*
 Ross, John, Potter, and Yolles.
 Zahn, Charles T., Dallas, Tex. Device for production of underwater sound fields. 2,434,682, Jan. 20.
 Zu Eltz, Alexander E., New York, N. Y., assignor to Baker Co. Inc., Newark, N. J. Platinum sheet electrode. 2,434,731, Jan. 20.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Brake mechanism, Servo. G. R. G. Gates. Re. 22,965, Jan. 20.
 Railway brake. C. E. Tack and W. A. Heisten. Re. 22,966, Jan. 20.
 Mineral materials and the like, Method of and apparatus for working. C. J. Burch. Re. 22,964, Jan. 20.

LIST OF PLANT INVENTIONS

- Grapevine. C. A. Sanderson. 782, Jan. 20.
 Rose plant. M. Dénoyel. 781, Jan. 20.
 Strawberry plant. M. J. Johnson. 780, Jan. 20.

LIST OF DESIGN INVENTIONS

- Atomizer spray attachment for a container. S. Gimelli. 148,411, Jan. 20.
 Bracelet. E. J. Ostheimer. 148,433, Jan. 20.
 Broiler. M. Samburg. 148,445, Jan. 20.
 Brooch or similar article. N. Barbieri. 148,403, Jan. 20.
 Brooch or similar article. N. Gross. 148,414, Jan. 20.
 Brooch or similar article. A. Katz. 148,423, Jan. 20.
 Brooch or similar article. A. Katz. 148,428, Jan. 20.
 Brooch or similar article. A. Philippe. 148,436, Jan. 20.
 Brooch or similar article. A. Philippe. 148,438-9, Jan. 20.
 Brooch or the like. M. Marcello. 148,432, Jan. 20.
 Burner, incense. R. J. Howard. 148,418, Jan. 20.
 Cab, tractor. R. H. Hill. 148,417, Jan. 20.
 Cart, child's. G. Renzelman. 148,441, Jan. 20.
 Cart or similar article, vending. S. Goodman. 148,412, Jan. 20.
 Case for a cigarette package, Leakproof. E. A. Abbatiello. 148,402, Jan. 20.
 Clip or similar article, pin. A. Philippe. 148,435, Jan. 20.
 Compass, protractor, and ruler, combination. W. E. Owen, Jr. 148,434, Jan. 20.
 Container and wrench set unit, combined. D. Kane. 148,422, Jan. 20.
 Cooker, pressure. S. E. Richeson and J. A. Allegro. 148,442, Jan. 20.
 Cupboard, table, and benches, combination. H. H. Twente. 148,449, Jan. 20.
 Dispenser, beverage. R. A. Doyle and S. V. Dawson. 148,409, Jan. 20.
 Dispenser or similar article, coffee. C. Stern. 148,448, Jan. 20.
 Earring. H. Bogoff. 148,406, Jan. 20.
 Earring or similar article. G. E. Fearn. 148,410, Jan. 20.
 Earring or similar article. A. Katz. 148,424-7, Jan. 20.
 Earring or similar article. A. Katz. 148,429, Jan. 20.
 Earring or similar article. A. Philippe. 148,437, Jan. 20.
 Fire extinguishing unit or similar device, Motor propelled. H. R. Harper. 148,416, Jan. 20.
 Fire extinguishing unit or similar device, wheeled. H. R. Harper. 148,415, Jan. 20.
 Fork, stripper. A. L. Luhn. 148,430, Jan. 20.
 Hanger, clothes. W. J. Cleary. 148,407, Jan. 20.
 Holder, combined tray and comb. L. M. Lund. 148,431, Jan. 20.
 Housing for thermostatic control. C. G. Bjorncrantz and J. W. Hauser. 148,404, Jan. 20.
 Lace or the like. A. Gottlieb. 148,413, Jan. 20.
 Necklace or similar article. A. Philippe. 148,440, Jan. 20.
 Oil well pumping unit. L. A. Blackburn. 148,405, Jan. 20.
 Outboard power unit for gliders. E. H. Rowley. 148,444, Jan. 20.
 Pin or similar article. E. J. Richter. 148,443, Jan. 20.
 Rug, rag. J. Jebiley and S. Haddad. 148,420, Jan. 20.
 Sound translating machine. R. Spilman. 148,447, Jan. 20.
 Sound translating machine. R. Spilman and G. H. White. 148,446, Jan. 20.
 Stand or the like, smoking. H. T. Warner. 148,450, Jan. 20.
 Toy glider. R. E. Johnson. 148,421, Jan. 20.
 Tray, serving. C. J. Jacobsen. 148,419, Jan. 20.
 Vase, wall. B. W. Corwin. 148,408, Jan. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive cleaning system. G. D. Dill. 2,434,881, Jan. 20.
Abrasive device, internal. M. C. Hutto. 2,434,801, Jan. 20.
Abrasive tool. E. D. Teague. 2,434,749, Jan. 20.
Accessory, Toilet seat. R. R. Sacia. 2,434,889, Jan. 20.
Acids and esters, Refining unsaturated. R. H. Huff. 2,434,699, Jan. 20.
Air conditioning unit having a reversible fan wheel. H. F. Hagen. 2,434,847, Jan. 20.
Air-craft gun turret, Power-operated. C. G. Holschuh and L. C. Warner. 2,434,653, Jan. 20.
Aircraft navigation. R. C. Sanders, Jr. 2,434,813, Jan. 20.
Air duct system for aircraft. D. D. Waller. 2,434,752, Jan. 20.
Alkaline earth hydrates or oxides, and the resulting product, Treating. L. J. Minnick. 2,434,710, Jan. 20.
Amplifier, High-frequency. C. E. Dolberg. 2,434,792, Jan. 20.
Anchor, Two-way rail. F. A. Preston and H. G. Warr. 2,434,865, Jan. 20.
Antenna support and feed through. H. A. Bryers. 2,434,638, Jan. 20.
Apparatus for detecting imperfections in filamentary materials. P. R. Powell. 2,434,864, Jan. 20.
Apparatus for dressing involute profiles. J. J. Osplack. 2,434,810, Jan. 20.
Apparatus for making cores of magnetic material for electromagnetic coils. M. C. Gauthier. 2,434,692, Jan. 20.
Apparatus for surfacing sheet material. E. O. Dryer. 2,434,736, Jan. 20.
Apparel, Wearing. M. H. Middendorf. 2,434,743, Jan. 20.
Applicator and line dressing container, Combination. L. Pachner. 2,434,861, Jan. 20.
Article feeding mechanism for wrapping machines. O. Sandberg. 2,434,772, Jan. 20.
Assembling apparatus. E. C. Moss and H. W. Schaufelberger. 2,434,744, Jan. 20.
Assembly for brakes and clutches. T. L. Fawick. 2,434,762, Jan. 20.
Assembly for brakes or clutches. T. L. Fawick. 2,434,761, Jan. 20.
Auto top ski carrier. R. W. Wubben. 2,434,826, Jan. 20.
Bag and composite material. F. A. Ulm. 2,434,892, Jan. 20.
Balanced alternating current exciting vacuum tube meter. J. M. van Beuren and E. Conrad. 2,434,822, Jan. 20.
Bark chipping back for turpentine trees. A. G. Snow, Jr., and H. R. Lanier. 2,434,869, Jan. 20.
Beam deflection tube having parallel focusing and beam defining plates. C. W. Mueller. 2,434,713, Jan. 20.
Bearing hone, Universal crankshaft. W. E. Jones. 2,434,769, Jan. 20.
Bed, Hydraulic safety. R. J. Hess. 2,434,848, Jan. 20.
Bellows, Damped. J. V. Giesler. 2,434,794, Jan. 20.
Blower. B. J. Paulson. 2,434,745, Jan. 20.
Board: See—
Shirt board.
Box for rotary spindles, Stuffing. J. A. Mrosco. 2,434,670, Jan. 20.
Bracket, Expandable. R. H. Whitehead. 2,434,729, Jan. 20.
Brake: See—
Railway brake.
Calcium cadmium molybdate phosphor. H. C. Froelich and A. R. Hersey. 2,434,764, Jan. 20.
Calculator, Remotely controlled electrical. S. B. Williams. 2,434,681, Jan. 20.
Cap: See—
Milk bottle cap.
Cap for containers. N. S. Sadders. 2,434,773, Jan. 20.
Car: See—
Railway dining car.
Car door. F. H. Lange. 2,434,805, Jan. 20.
Carbonyl sulfide from hydrocarbon fluid, Removal of. G. E. Sample and W. B. Miller. 2,434,868, Jan. 20.
Carrier: See—
Auto top ski carrier.
Caster. F. W. Parkhill. 2,434,863, Jan. 20.
Cement, Waterproof. W. Helms. 2,434,695, Jan. 20.
Chair: See—
Collapsible rocking chair.
Chlorophyll by floating off impurities with the aid of a salt solution, Purification of. B. Gruskau. 2,434,649, Jan. 20.
Circuit breaker, Plug type. V. H. Van Sant. 2,434,728, Jan. 20.
Circuit, Electric space discharge. F. H. Kroger. 2,434,704, Jan. 20.
Clip and holder for same, Umbilical. J. Brandenburg. 2,434,831, Jan. 20.
Closure, Dry cell. M. D. Koppelman. 2,434,703, Jan. 20.
Closure for collapsible tubes with parallel guide flanges, Reciprocating. P. D. Malyszko. 2,434,706, Jan. 20.
Closure for headnets. A. H. Tessier. 2,434,873, Jan. 20.
Coating metal articles. J. L. T. Kosterlitzky. 2,434,855, Jan. 20.
Coke oven with regenerator, Vertical. G. Padgett. 2,434,862, Jan. 20.
Collapsible rocking chair. A. J. Taylor. 2,434,748, Jan. 20.
Composition for use as a detergent, water treating agent, and deflocculant, Fused unitary vitreous. A. G. Pincus. 2,434,674, Jan. 20.
Compressor, Gas. F. Lago. 2,434,705, Jan. 20.
Compressor valve. O. H. Buschmann. 2,434,734, Jan. 20.
Connector for coaxial cables, Electrical. E. G. Hills. 2,434,742, Jan. 20.
Contact device. E. M. Glaser and G. S. Toombs. 2,434,740, Jan. 20.
Container and making the same, Hermetically sealed. L. C. Brooks. 2,434,756, Jan. 20.
Control device, Gearbox. G. Chausson. 2,434,735, Jan. 20.
Control mechanism for power-operated guns. J. M. Ewart. 2,434,689, Jan. 20.
Control switch for discharge lamps. W. M. Johnson and L. W. Cook. 2,434,768, Jan. 20.
Control system, Power drive. G. T. Randol. 2,434,717, Jan. 20.
Controlling the viscosity and flow of fluids. C. C. Higgins. 2,434,798, Jan. 20.
Conveyer, Wagon-box. G. J. Recker. 2,434,718, Jan. 20.
Conveyer. S. Eggleston. 2,434,760, Jan. 20.
Cooling means for rotary kiln nose rings. J. B. Gaffney. 2,434,845, Jan. 20.
Cooling unit. D. L. Spender. 2,434,676, Jan. 20.
Cord, Electric. E. B. Feaster. 2,434,793, Jan. 20.
Coupling for faucet connections, Pipe. J. J. Hagan. 2,434,846, Jan. 20.
Cowl fastener. J. W. Warren. 2,434,876, Jan. 20.
Crankshaft mounting. C. B. Kluppel. 2,434,659, Jan. 20.
Cream separator. C. E. Deardorff. 2,434,642, Jan. 20.
Cross laying. G. E. and J. E. Repass. 2,434,887, Jan. 20.
Cushion, Resilient seat. H. L. Burns. 2,434,641, Jan. 20.
Cylinder surface character. H. M. Bramberry. 2,434,880, Jan. 20.
Determinator, Sound wave direction. R. W. Fairweather. 2,434,644, Jan. 20.
Device for production of underwater sound fields. C. T. Zahn. 2,434,682, Jan. 20.
Dispenser: See—
Hygienic toothpick dispenser. Liquid dispenser. Tape dispenser.
Dispensing system, Gasoline. A. E. Watts, Jr., and J. R. Parker. 2,434,824, Jan. 20.
Distillation of C₄ hydrocarbons with furfural, Extractive. K. H. Hachmuth. 2,434,796, Jan. 20.
Distillery still slop, Concentrating. E. C. Pattee. 2,434,672, Jan. 20.
Door: See—
Car door.
Double-ended electric incandescent lamp. P. O. Cartun. 2,434,757, Jan. 20.
Drier having air circulating means and lamp heater, Rotary drum clothes. M. L. Pugh. 2,434,886, Jan. 20.
Driver control. J. F. Cobb. 2,434,758, Jan. 20.
Dyeing machine, Fibrous stock. A. Robertson. 2,434,719, Jan. 20.
Easel. J. H. Oxley. 2,434,860, Jan. 20.
Eaves trough attaching mechanism. G. C. Bassett. 2,434,754, Jan. 20.
Electric reciprocating motor. T. J. Murphy. 2,434,671, Jan. 20.
Electrode, Platinum sheet. A. E. zu Eltz. 2,434,731, Jan. 20.
Explosive charges, Manufacture of compact combustible. J. Taylor and J. Whetstone. 2,434,872, Jan. 20.
Explosive, Preparing. G. F. Wright, H. H. Richmond, and D. C. Downing. 2,434,879, Jan. 20.
Extensible drill press. J. Alick. 2,434,732, Jan. 20.

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Fastener: See—
Cowl fastener.
Fastening device. L. H. Flora. 2,434,844, Jan. 20.
Fatty materials, Stabilizing. L. O. Burton and C. E. Dryden. 2,434,790, Jan. 20.
Filter leaf support. J. W. Little. 2,434,807, Jan. 20.
Fixture, Lamp. G. B. Kurtzon. 2,434,781, Jan. 20.
Float, Motor. P. M. Keckley. 2,434,700, Jan. 20.
Fluid passage, Variable. R. S. Colley. 2,434,835, Jan. 20.
Fluid power unit. Z. D. Ruben. 2,434,747, Jan. 20.
Fluid pressure apparatus. E. M. May. 2,434,668, Jan. 20.
Fluid separator. P. M. Brister. 2,434,637, Jan. 20.
Fluid separator. S. Letvin. 2,434,663, Jan. 20.
Fluid separator. T. B. Stillman. 2,434,677, Jan. 20.
Folding drying rack. C. W. Swanson. 2,434,891, Jan. 20.
Formaldehyde, Production of. C. A. Hochwalt. C. J. Stehman, and R. W. Sudhoff. 2,434,850, Jan. 20.
Garment. M. S. Newcombe. 2,434,714, Jan. 20.
Garment. H. B. Northrup. 2,434,899, Jan. 20.
Gasolines, Production of high octane. J. R. Bates. 2,434,634, Jan. 20.
Gauge for setting up work in balancing machines, Centering. H. E. Krueger. 2,434,661, Jan. 20.
Gear: See—
Reversing gear.
Generator: See—
Oscillation generator.
Glider and cargo pickup. E. N. Kemler. 2,434,701, Jan. 20.
Glove turning machine. S. Suftko. 2,434,816, Jan. 20.
Glutamic acid-free protein hydrolysate and the production thereof. H. S. Olcott and J. C. Lewis. 2,434,715, Jan. 20.
Glycerol ether of hydrogenated cardanol. M. T. Harvey. 2,434,797, Jan. 20.
Governor for power driven air supply units. E. H. Simpson. 2,434,675, Jan. 20.
Grinding, Method and apparatus for. H. W. Wagner and G. J. Wickstrom. 2,434,679, Jan. 20.
Ground speed indicator. F. F. Hauptman. 2,434,694, Jan. 20.
Guide band blade. A. A. Kottmann and F. Rohlfing. 2,434,884, Jan. 20.
Guide, Typewriter paper. B. Rubin. 2,434,866, Jan. 20.
Gun and gunner's chair mounting. J. S. Smithson. 2,434,724, Jan. 20.
Hammer, Electric. B. W. Snodgrass. 2,434,725, Jan. 20.
Headlight structure, Dirigible. K. A. Herrington. 2,434,766, Jan. 20.
Hearth, Grid. H. F. Jackson. 2,434,852, Jan. 20.
Heat insulator for heating grilles. A. S. Feinberg. 2,434,763, Jan. 20.
Hobbyhorse. R. T. Athey. 2,434,783, Jan. 20.
Holder: See—
Necktie holder.
Hot materials, Molding. J. E. Wiss and R. B. Wagner. 2,434,780, Jan. 20.
Hydrocarbon conversion in the presence of particle from catalysts. F. C. Fahnestock and W. Ullrich. 2,434,843, Jan. 20.
Hydrocarbons by contact with concentrated sulfuric acid in silica gel, Condensation of. F. C. Clapetta. 2,434,833, Jan. 20.
Hydrocarbons, Treating. O. L. Davis and A. C. Nixon. 2,434,839, Jan. 20.
Hydrogen bromide-catalyzed oxidation. F. F. Rust and J. H. Raley. 2,434,888, Jan. 20.
Hygienic toothpick dispenser. R. Lépine. 2,434,806, Jan. 20.
Igniter. C. N. Hickman. 2,434,652, Jan. 20.
Indicator: See—
Ground speed indicator.
Ingots from their stools, Separating. W. E. Black. 2,434,738, Jan. 20.
Insulator, Antenna strain. R. Katz. 2,434,658, Jan. 20.
Internal-combustion operated compressors or gas generators, Starting free piston. R. J. Welsh and G. W. Cox. 2,434,877, Jan. 20.
Jetting device. F. M. Turnbull and W. F. Hamilton. 2,434,875, Jan. 20.
Joint: See—
Pipe joint.
Joint for rotary drilling, Swivel. C. E. Casperson. 2,434,684, Jan. 20.
Justifying mechanism for typewriters. O. O. Martin. 2,434,665, Jan. 20.
Keratin, Regenerated. R. L. Evans. 2,434,688, Jan. 20.
Knitting machine, Power-operated flat frame. C. D. Alexander and S. Gibson. 2,434,782, Jan. 20.
Lamp: See—
Double-ended electric incandescent lamp.
Lathe attachment. J. A. Civitarese. 2,434,834, Jan. 20.
Light: See—
Traffic control light. Victory light.
Limit stop apparatus. W. T. White and D. H. Courter. 2,434,680, Jan. 20.
Liquid dispenser. C. H. Mueller and V. G. Klein. 2,434,771, Jan. 20.
Loom temple roll. E. B. Tift. 2,434,820, Jan. 20.
Machine for closing tube ends. W. L. Enghauser. 2,434,737, Jan. 20.
Machine for electric welding of dial feet onto dial plates. J. and H. Schneider. 2,434,814, Jan. 20.
Machine for handling and feeding washers. H. C. Paulsen. 2,434,885, Jan. 20.
Machine for producing asbestos-cement pipes. J. Ferla. 2,434,690, Jan. 20.
Machine for stripping covered cables. H. A. Burdwood. 2,434,640, Jan. 20.
Machine tool. T. Trecker, J. B. Armitage, O. W. Barker, K. A. Riedel, and F. D. Boehmer. 2,434,750, Jan. 20.
Machine tool. T. Trecker and J. B. Armitage. 2,434,751, Jan. 20.
Measuring volumetric samples. E. L. Shook. 2,434,723, Jan. 20.
Mechanism for heat sealing package seams. H. O. Irmacher. 2,434,657, Jan. 20.
Metal joints protected by sodium silicate, by means of induction heating, Brazing. W. C. Rudd. 2,434,867, Jan. 20.
Metal, Making foamlike mass of. B. Sosnick. 2,434,775, Jan. 20.
Meter: See—
Balanced alternating current exciting vacuum tube meter. Pupillometric exposure meter.
Method and machine for laminating. J. S. Glasing and H. D. Marcotte. 2,434,795, Jan. 20.
Micromanometer, Null-type differential. R. O. Cornett. 2,434,837, Jan. 20.
Micrometer caliper. J. P. Amador. 2,434,633, Jan. 20.
Milk bottle cap. H. W. Budan. 2,434,787, Jan. 20.
Milling process and apparatus, Continuous. W. R. Marshall. 2,434,707, Jan. 20.
Mixer. D. Roles. 2,434,812, Jan. 20.
Molding apparatus for forming buildings. W. R. Mathis. 2,434,708, Jan. 20.
Molds for ice sticks, Freezing. A. C. Johnson and C. C. Oliver. 2,434,803, Jan. 20.
Motor: See—
Electric reciprocating motor.
Motor fuels and preparation thereof. W. A. Herbst. 2,434,650, Jan. 20.
Motor idling period control. F. J. Taft. 2,434,871, Jan. 20.
Motor system, Selsyn-controlled electric. J. W. Conklin. 2,434,836, Jan. 20.
Motor system, Tube controlled work and feed. R. D. Jenkins and A. J. Hornfeck. 2,434,854, Jan. 20.
Mount structure for electric lamps. W. H. Willis. 2,434,779, Jan. 20.
Mounting: See—
Crankshaft mounting.
Gun and gunner's chair mounting.
Mounting means for flexible strap clips. A. Robertson and D. W. Merritt. 2,434,720, Jan. 20.
Necktie holder. F. J. Ulrich. 2,434,821, Jan. 20.
Nozzle portion to the body portion of collapsible tubular containers, Securing. O. J. Bruun. 2,434,832, Jan. 20.
Nozzle, Spray. A. C. Rowley. 2,434,721, Jan. 20.
Nozzle, Sprinkler. N. Hertel. 2,434,767, Jan. 20.
Oil from oil shale by use of superheated steam, Method and apparatus for educting. R. J. Shaw. 2,434,815, Jan. 20.
Oils, Fractionation of marine. L. O. Burton. 2,434,789, Jan. 20.
1-amino-2-hydroxyalkylthio-4-arylaminoanthraquinones. P. Grossmann. 2,434,765, Jan. 20.
Organic sulphonic derivatives, Preparing. J. Ross, D. J. Potter, and S. Yolles. 2,434,746, Jan. 20.
Oscillation generator. L. A. Meacham. 2,434,669, Jan. 20.
Oxidation of an alkali metal salt of dehydroabietic acid. A. E. Drake. 2,434,643, Jan. 20.
Pan and cover, Outboard motor. J. H. Bardin. 2,434,784, Jan. 20.
Parachute release. F. S. Boyd. 2,434,755, Jan. 20.
Pencil, Mechanical. B. W. Hanle. 2,434,882, Jan. 20.
Pharmaceutical preventive and remedy for motion sickness. L. L. Barrow. 2,434,635, Jan. 20.
Photosensitive blood albumin lithographic solution, Preparing. C. H. Van Dusen, Jr. 2,434,727, Jan. 20.
Picture slide feeding mechanism. M. E. Blumenstein. 2,434,785, Jan. 20.
Pipe joint. B. N. Williams. 2,434,878, Jan. 20.
Piston locking means for fluid actuated jacks. B. N. Ashton and N. Kling. 2,434,828, Jan. 20.
Plastic housing. W. P. Mason. 2,434,666, Jan. 20.
Plow, Vineyard. E. M. Wock. 2,434,730, Jan. 20.
Polyethylene stabilized with bis-(hydroxy-phenyl) propanes. G. H. Latham and D. E. Strain. 2,434,662, Jan. 20.
Position indicating device. G. B. Solovieff. 2,434,870, Jan. 20.
Power plant. R. J. Welsh. 2,434,778, Jan. 20.
Power plant comprising a gas turbine and an internal-combustion engine compressor serving as a gas generator thereto. R. J. Welsh. 2,434,777, Jan. 20.
Press: See—
Extensible drill press.
Press. R. J. Hess. 2,434,849, Jan. 20.
Prism, Ultrasonic. W. P. Mason. 2,434,667, Jan. 20.

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- Pump of the tube compressing type. A. A. Jacobs. 2,434,802, Jan. 20.
- Pumping apparatus. M. S. Lagercrantz. 2,434,804, Jan. 20.
- Pupillometric exposure meter. J. B. Saunders. 2,434,890, Jan. 20.
- Rack: See—
- Folding drying rack. F. J. Dittich. 2,434,841, Jan. 20.
- Railway dining car. F. J. Dittich. 2,434,841, Jan. 20.
- Railway switch locking device. R. W. Rutledge and F. P. Higginbotham. 2,434,722, Jan. 20.
- Relieving the teeth of circular cutting elements. R. W. Andreasson. 2,434,753, Jan. 20.
- Remote control system for cranes. R. Bollaert. 2,434,636, Jan. 20.
- Reversing gear. K. Froehlich and E. Grieshaber. 2,434,647, Jan. 20.
- Roll: See—
- Loom temple roll. H. Mobbs and G. H. Smith. 2,434,711, Jan. 20.
- Roof for vehicles. Sliding. H. Mobbs and G. H. Smith. 2,434,711, Jan. 20.
- Rosin, Purifying modified. I. W. Humphrey. 2,434,656, Jan. 20.
- Seal for shafts and bearings or the like, Fluid. H. Clayton-Wright. 2,434,686, Jan. 20.
- Sealing-in machine. F. J. Malloy. 2,434,664, Jan. 20.
- Seating arrangement. A. O. Larson. 2,434,857, Jan. 20.
- Separator: See—
- Fluid separator. W. S. Fields. 2,434,691, Jan. 20.
- Sharpener, Saw. W. S. Fields. 2,434,691, Jan. 20.
- Sheet feeding mechanism. C. J. Malhot. 2,434,808, Jan. 20.
- Shield, Discardable and deodorizing garment. M. Billins and R. Fischer. 2,434,830, Jan. 20.
- Shifting mechanism for power transmission apparatus. K. W. Couse. 2,434,791, Jan. 20.
- Shirt board. S. Ralph. 2,434,716, Jan. 20.
- Shuttle. E. B. Tift. 2,434,819, Jan. 20.
- Sight for firearms, Rear. H. F. Mossberg. 2,434,712, Jan. 20.
- Ski, Composite wood and metal. C. K. Hoerle. 2,434,851, Jan. 20.
- Sole, Shoe. W. J. Lutey. 2,434,770, Jan. 20.
- Sole trimming and cutting machine. C. L. Flindt. 2,434,738, Jan. 20.
- Sole trimming machine. C. L. Flindt. 2,434,739, Jan. 20.
- Sound producing device, Pneumatic. W. C. Eaves. 2,434,842, Jan. 20.
- Spindle for milling machines. E. Bugatti. 2,434,639, Jan. 20.
- Stand for X-ray apparatus, Tube. H. S. Akers. 2,434,827, Jan. 20.
- Starch and protein in wheat grain products and extraction of diastase therefrom. Separation of. I. W. Tucker and A. K. Balla. 2,434,874, Jan. 20.
- Stop and fire cutoff device for gun turrets, Limit. F. M. Watkins and C. N. Schuh, Jr. 2,434,654, Jan. 20.
- Stove construction having top section securing means. C. J. Rogers, Jr. and J. Bright. 2,434,811, Jan. 20.
- Strut, Docking. R. G. Peterson. 2,434,673, Jan. 20.
- Suit form extender, Man's. G. Tanzer. 2,434,817, Jan. 20.
- Supercharger. B. Szczeniowski. 2,434,678, Jan. 20.
- Supercharger for automotive vehicles. S. M. Udale. 2,434,726, Jan. 20.
- Support: See—
- Filter lead support. M. Hollander. 2,434,800, Jan. 20.
- Support for trays on folding bathtubs. M. Hollander. 2,434,800, Jan. 20.
- Surface active compositions. M. Buls and D. M. Samuel. 2,434,683, Jan. 20.
- Surgical appliance. H. G. Hittenberger. 2,434,883, Jan. 20.
- Switch and holder therefor, Thermostatic. G. W. Holmes. 2,434,696, Jan. 20.
- Tank cradle, Oxygen. J. F. Homer. 2,434,655, Jan. 20.
- Tape dispenser. P. Van Cleef and F. Chonacki. 2,434,776, Jan. 20.
- Telephone system, Time division multiplex. C. H. Homrighous. 2,434,697, Jan. 20.
- Telephone system, Time division multiplex. J. H. Homrighous. 2,434,698, Jan. 20.
- Tent. J. H. Claus. 2,434,685, Jan. 20.
- Terracing machine. H. H. Taylor. 2,434,818, Jan. 20.
- Tetrahydropyran compound. F. B. La Forge. 2,434,856, Jan. 20.
- Textile article, Nonslip. R. R. Matthews. 2,434,709, Jan. 20.
- Tool: See—
- Abrasive tool. Machine tool. J. F. Kopeczynski. 2,434,702, Jan. 20.
- Tool control, Machine. C. Johnson. 2,434,853, Jan. 20.
- Tool for rotating threaded articles. F. E. Knight. 2,434,660, Jan. 20.
- Traffic control light. G. D. Hefner and A. C. Pramschleier. 2,434,741, Jan. 20.
- Tricycle vehicle. K. Donovan. 2,434,759, Jan. 20.
- Tripod head, Adjustable. L. Bentzman. 2,434,829, Jan. 20.
- Truck, Car. R. B. Cottrell. 2,434,838, Jan. 20.
- Truck, Ride control. E. J. Maatman and C. J. W. Clasen. 2,434,858, Jan. 20.
- Vacuum tube meter. J. M. van Beuren and E. Conrad. 2,434,823, Jan. 20.
- Valve: See—
- Compressor valve. Viscosity-responsive valve. Vaporizer adapted for use as a cigar lighter, Incense. J. T. Williams and K. F. Riese. 2,434,825, Jan. 20.
- Vehicle: See—
- Tricycle vehicle. Vehicle having a body carried by two opposing journals on two wheel-supported frames. E. K. P. Graham. 2,434,693, Jan. 20.
- Victory light. J. J. Sigman. 2,434,774, Jan. 20.
- Viscosity-responsive valve. C. C. Higgins. 2,434,790, Jan. 20.
- Vitamin A active esters, Producing. N. D. Embree and E. M. Shantz. 2,434,687, Jan. 20.
- Vitamin concentrates, Fat-soluble. L. O. Buxton. 2,434,788, Jan. 20.
- Wave guide bend. A. G. Fox. 2,434,645, Jan. 20.
- Wave guide branching arrangement. A. G. Fox. 2,434,646, Jan. 20.
- Wave translating device, Compression. W. D. Goodale, Jr., and T. J. Pope. 2,434,648, Jan. 20.
- Window and blind construction. K. W. Browning. 2,434,786, Jan. 20.
- Window structure. A. J. McLoughlin. 2,434,859, Jan. 20.
- Xyldine and preparing same, Stabilized. A. E. Robertson. 2,434,651, Jan. 20.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 20, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

Norm.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

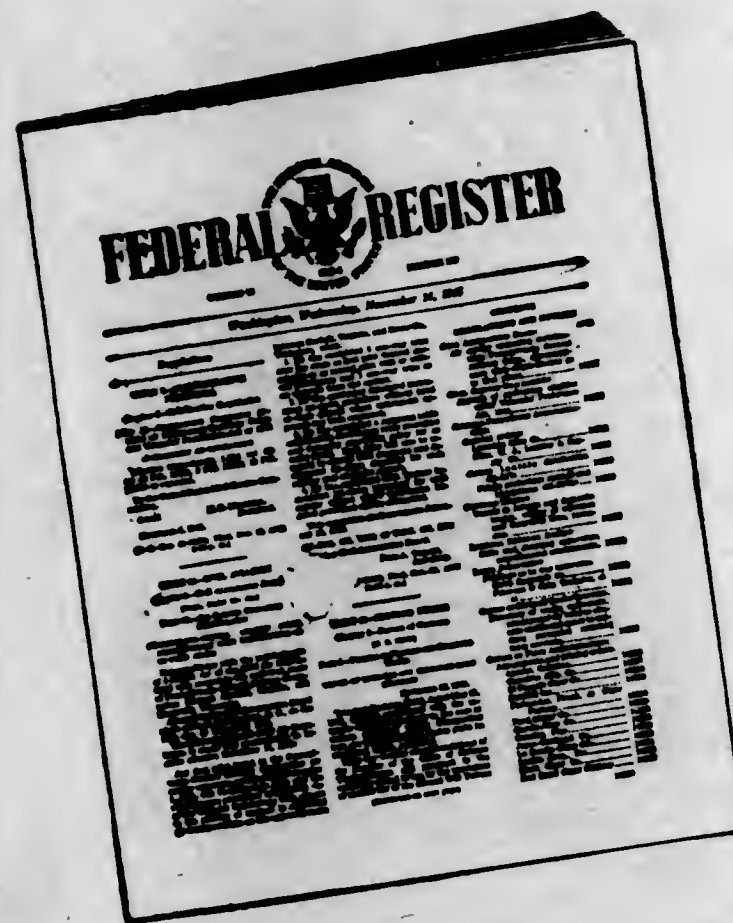
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CLASSIFICATION OF DESIGNS

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Official Gazette

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Patents expiring: Patent Numbers 1,789,955 to 1,790,638, inclusive, issued January 27, 1931, expire January 27, 1948

Condition of Applications Under Examination at Close of Business Jan. 9, 1948

(Total number of applications awaiting action, excluding Trade-Mark Division, 153,262; Trade-Mark Division, 28,198. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 8, 1946.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant and awaiting office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Stairs, and Spillcocks; Sewerage.	Apr. 25	Apr. 17	2,508
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Mar. 10	Feb. 11	3,954
3. MAMMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Feb. 17	Sept. 10	1,624
4. BISHOP, WALTER C., Conveyors; Motors; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Services; Mining, Quarrying, and Ice Harvesting.	June 19	June 22	3,971
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Jan. 31	Feb. 12	2,368
6. SURL, H., Carbon Chemistry (part)	July 9	Dec. 30	1,856
7. HANLIN, GEORGE, Optics; Photographic Apparatus.	Mar. 26	Dec. 6	1,830
8. IMUS, A. E., Furniture; Racks and Cabinets.	Apr. 10	Apr. 12	4,037
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	Apr. 26	Mar. 18	2,379
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators; Wave Meters, Tuners; Modulators; Piezo-electric Crystals.	Apr. 16	Dec. 6	885
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Mar. 25	Apr. 17	823
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	Nov. 6	June 11	1,970
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.	Apr. 2	Feb. 14	2,486
14. FREEHOP, H. B., Metal Working (Banding; Sheet Metal; Wire; Misc. Processes); Wire Fabric; Farriers.	Jan. 16	Oct. 14	1,211
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.	June 28	Feb. 4	2,038
16. LOVEWELL, N. N., Telegraphy; Telephony.	Mar. 21	Oct. 4	1,774
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	Aug. 12	May 9	1,801
18. KURZ, J. A., Motors, Expansive-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	May 1	Jan. 12	1,665
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	July 11	July 17	1,906
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	May 15	May 3	2,137
21. MADER, E. C., Textiles.	Feb. 24	Jan. 2	1,101
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	July 10	May 27	1,915
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education.	May 9	Mar. 24	1,317
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	Mar. 13	Mar. 17	1,894
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 22	May 25	1,783
26. YOUNG, R. R., Electricity—Generation and Motive Power.	Jan. 4	Apr. 24	1,579
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Aug. 21	July 26	2,940
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Aug. 5	July 24	1,251
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Sept. 10	May 31	2,850
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidistats; Heating Systems; Ammunition and Explosive Devices.	Jan. 2	July 16	2,421
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	Apr. 5	Mar. 10	2,066
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 8	Apr. 5	2,808
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.	Apr. 16	Mar. 11	3,464
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	June 10	Mar. 1	1,382
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	July 31	July 2	2,746
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Apr. 5	Mar. 21	2,007
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Apr. 2	Sept. 11	1,511
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber.	Aug. 30	Aug. 16	1,712
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	Mar. 7	Jan. 17	2,843
40. DRUMMOND, E. J., Receptacles (part); Packages.	Jan. 10	May 13	3,064
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	Mar. 1	Mar. 1	2,640
42. MARANS, H., Electric Signaling; Variable Transformer and Reactor Structure; Electricity, Voltage Magnitude and Phase Control Systems.	Mar. 14	Jan. 15	921
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	Apr. 11	Mar. 14	1,365
44. HARVEY, L. P., Refrigeration; Preserving.	Mar. 7	Feb. 12	1,320
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	May 2	Mar. 14	2,854
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	May 17	May 15	1,830

NOTE.—The dates given are 1946 except where † indicates 1947.

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
(Total number of applications awaiting action, excluding Trade-Mark Division, 183,382; Trade-Mark Division, 28,198. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 8, 1946.)			
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	Dec. 16	Oct. 1	2,011
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	May 15	Apr. 27	1,676
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification	Oct. 16	June 12	1,641
50. LEVIN, SAMUEL, Synthetic Resins	†Feb. 6	Oct. 4	2,393
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications	Nov. 12	July 2	1,953
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits	Oct. 21	July 6	3,782
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manfolding; Printed Matter; Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable	Apr. 26	Mar. 6	3,546
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications	†Feb. 5	Oct. 17	2,012
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet	May 23	Apr. 5	1,839
56. COOKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	†Mar. 21	†Feb. 13	1,191
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	May 11	Apr. 17	3,530
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Sept. 30	Aug. 3	1,434
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 23	Apr. 18	2,056
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants	†Apr. 14	Sept. 19	1,515
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion	June 28	Mar. 27	3,190
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	July 19	May 15	1,594
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats	†Jan. 27	†Jan. 9	1,647
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	†May 7	†May 5	1,824
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors	†Apr. 7	Oct. 14	1,266
66. LISANN, I., Geometrical Instruments	Feb. 23	Jan. 8	2,247
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	June 21	Mar. 27	2,152
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	Dec. 14	Aug. 9	1,624
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters	May 31	Apr. 11	1,120
TRADE-MARKS: MEROHANT, J. H	†July 5	†July 31	28,198
DESIGNS: BREHM, G. L	June 11	†July 14	8,321

NOTE.—The dates given are 1946 except where † indicates 1947.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE GUYER

No. 5330. Decided June 17, 1947. *Petition for rehearing denied September 29, 1947*
[163 F.2d 581; 75 USPQ 92]

1. PRACTICE—APPEAL—AFFIDAVITS.

Where applicant filed with his request for reconsideration before the Board of Appeals certain affidavits to support various arguments, *Held* that the Board had no jurisdiction to consider the same, that it was not required to do so, and therefore it is not a matter of concern here for us.

2. INVENTION—METHOD FOR HEATING GLASS.

Certain claims for a method of heating a restricted path in a hard glass body *Held* non-inventive over the prior art cited.

APPEAL from the Patent Office. Serial No. 369,481.

AFFIRMED.

Vernon M. Dorsey (Frederick H. Knight of counsel) for Guyer.

W. W. Cochran (H. S. Miller of counsel) for the Commissioner of Patents.

BLAND, J.:

The Primary Examiner of the United States Patent Office allowed claims 3, 4, 5, 6, 14, and 17 of appellant's application for a patent relating to a method and apparatus for glass heating and working, but rejected claims 1, 2, 7, 8, and 20 for want of patentable invention over the prior art, listed as follows. Voelker, 1,107,387, August 18, 1914; Walker, 1,570,803, January 26, 1926; Delpech, 2,018,056, October 22, 1935; Guyer, 2,306,054, December 22, 1942.

From the decision of the Board of Appeals affirming the action of the Examiner in rejecting the said claims appellant has here appealed.

In this court appellant moved to dismiss the appeal as to claims 1 and 20, which motion will be granted, leaving for our consideration the Board's action in affirming the Examiner's rejection of claims 2, 7, and 8, all of which are method claims.

Of these claims, 2 and 7 were regarded by the Board as illustrative of the appealed subject matter and will be so regarded by us and follow:

2. The method of heating a restricted path in a hard glass body, which comprises passing a high frequency current of low amperage thru said glass along said path under the influence of a high potential, and thereafter passing a high amperage current of low frequency along said path under the influence of a lower potential.

7. The method of heating a restricted path in a hard glass body which comprises heating a restricted path in said body to reduce its electrical resistance, passing a low amperage high frequency discharge therethru to further heat the glass in said path and further reduce its resistance, and passing higher amperage discharges of low frequency thru said glass to bring the same to melting temperature.

The claimed invention of the three appealed claims is confined to the electrical heating of a glass body. As explained by the Examiner, the apparatus disclosed in following the method shows means of holding a hard glass body, such as a glass tube, so as to come in contact with at least two electrodes positioned with their points adjacent said body at spaced points along a path therein, a high power capacity means connected to a transformer for impressing a low frequency, low potential on the said electrodes, and a low power capacity means for impressing a high frequency, high potential on said electrodes, at least one of the latter electrodes being located on the opposite side of the body from another of the electrodes. One lead of the high frequency source is connected to the midpoint of the transformer. This connection prevents the current from the high frequency source from flowing into the low frequency source.

Voelker discloses a quartz body heated by an electric arc which is passed between the electrodes. The quartz body is rotated by a pulley and belt.

Delpech discloses a quartz body heated by an electric arc which is also established by electrodes. The quartz body is rotated by a plate.

Walker discloses apparatus for and method of superimposing a high voltage, high frequency current of a small amperage on a circuit containing a low voltage, low frequency source of energy for the purpose of causing the high voltage current to jump across an arc under conditions which would not allow the low current to become active.

The Examiner rejected the claims by applying the prior art references as follows:

Claims * * * 2, 7, 8 * * * are not considered patentable over either Delpech or Voelker in view of Walker. No new and unobvious results are considered accomplished by merely superimposing the high frequency, high voltage current of Walker to initiate and maintain the arc of either Delpech or Voelker. Quartz glass conducts a sufficient amount of current to satisfy the requirements of applicant's method claims * * * 2, 7 and 8. Applicant has already received patent protection for his method of heating hard glass by passing an electric current therethrough in his Patent No. 2,306,054. For example, claim 8 of this case does not patentably distinguish over claims 1, 2 and 3 of the patent.

It is considered that applicant is not entitled to receive a claim which would prevent the public from superimposing the high frequency, high voltage current of Walker upon the circuit of either Delpech or Voelker to initiate and maintain their respective arcs. The public is entitled to all inherent benefits from such combination of teachings.

The Board of Appeals affirmed the action of the Primary Examiner generally but disapproved that portion of his decision relating to double patenting. Therefore, that question is not before us and there is no necessity to refer to the Guyer patent. The

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sole issue is whether or not appellant has disclosed anything inventive over the prior art referred to.

Appellant complains that there are inconsistencies between the Board's opinion and that of the Examiner and that therefore the presumption of correctness is greatly weakened.

The Board in its decision said in part (omitting reference numerals):

Appellant contends that the Voelker and Delpech patents are not applicable to these claims for the reason that they disclose a method of heating a quartz body instead of heating a hard glass body. It is pointed out in the brief that the record indicates that the initial resistance of quartz to the passage of electricity is so much higher than that of glass that the application of the Walker system to the apparatus shown in the Voelker and Delpech patents would not result in passing current "thru" the quartz. We agree, however, with the position of the Primary Examiner that the claims on appeal do not define anything patentable over the prior art. In the Examiner's reply statement, he points out that the modification illustrated in Fig. 4 of the Walker patent includes an electric furnace or crucible having two electrodes mounted therein. These electrodes may be energized by high frequency, high voltage oscillations or by lower frequency, lower voltage current in accordance with the system clearly disclosed in Fig. 1. Although the Walker patent does not state that the furnace or crucible is intended to be used for heating glass, such a furnace, utilizing electrodes for passing heating current through a body of glass is common in the glass making art and the claims on appeal do not differentiate from the disclosure of this patent in specifying the heating of a "restricted path," the claims on appeal being otherwise directly readable on this patent disclosure. The high frequency lower amperage current is applied to the welding rod and to an object to be operated on for the purpose of initial ionization, by means of the circuits including the step up transformer and the spark gap. This circuit may obviously be used for the initial heating of the contents of the electric furnace shown in Fig. 4. The voltage heavy current for melting the metal in Fig. 1 includes the transformer and likewise may be applied to the electrodes of the electric furnace. The circuits include apparatus such as the condensers for preventing the electricity from one of the circuits or systems from flowing into the other of said circuits or systems. The Walker patent clearly indicates that the high frequency current, which appellant characterizes as "keep, alive" current, precedes the application of high amperage current and this, of course, is obvious.

Although the Board in its decision used different language from that of the Examiner, we think the Board's rejection on the prior art is substantially the same as that of the Examiner.

It would serve no useful purpose for us to set out the drawings of the references so as to explain the various features of the art to which appellant has called our attention, since, after a careful examination of the features mentioned by him, we are of the opinion that whatever differences there may be between the prior art methods and the method of appellant, as defined by the appealed claims, such differences do not indicate invention. For instance, in speaking of the Walker patent, appellant urges that since this patent discloses a welding rod and a workpiece connected in a circuit carrying separate high frequency and separate high amperage currents (the idea being that the air between the rod and the workpiece will be ionized by the spark of the high frequency current to condition it for the passage therethrough of the high amperage current) there is nothing relating to the forcing of the high frequency current through hard glass to heat it. Appellant further states that this showing "relates purely to maintaining the arc."

The decision of the Board affirms the action of the Examiner in rejecting the appealed claims upon the prior art, and it is our conclusion that in view

of the disclosures of Voelker and Delpech, which relate to subjecting a body of quartz to electric heating, and in view of Walker, when considered with the first two named patents, no new and unobvious result is accomplished by appellant's method as defined by the appealed claims.

[1] Appellant relies upon an affidavit filed with his request for reconsideration of the Board's opinion to support his argument that quartz does not conduct appreciable currents of electricity, even in a molten condition, and to support other arguments. The Solicitor for the Patent Office points out that this affidavit was filed after appellant had taken his appeal and that the Board of Appeals had no jurisdiction to consider the same, with which fact the Board acquainted appellant. It is doubtful if the Board gave any consideration to the affidavit, but certainly, under the stated facts, it was not required to do so and therefore it is not a matter of concern here for us.

[2] We have carefully considered all the arguments and contentions of appellant with reference to the alleged material deficiencies in the cited prior art and the differences in appellant's method from the methods of the cited references, but we are not convinced that appellant's application discloses anything inventive over the prior art cited.

The decision of the Board of Appeals affirming the Examiner's rejection of claims 2, 7 and 8 is affirmed. The appeal as to claims 1 and 20 is dismissed.

AFFIRMED.

By reason of illness, GARRETT, P. J., was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

McPARTLAND INC.

v.

MONTGOMERY WARD & CO. INC.

No. 5304. Decided November 29, 1947

[— F.2d —; — USPQ —]

1. TRADE-MARKS—CANCELLATION—DESCRIPTIVE TERM—ACT OF 1905.

A merely descriptive term is not registrable under the Trade-Mark Act of February 20, 1905.

2. SAME—SAME—SAME—"KWIXTART" FOR STORAGE BATTERIES.

Held, so far as the Trade-Mark Act of February 20, 1905, is concerned the trade-mark "Kwixtart" is merely descriptive of the goods on which it is used or of the character or quality of such goods and, therefore, was not entitled to registration.

3. SAME—SAME—APPLICABILITY OF TRADE-MARK ACT OF 1946 TO ISSUE ON APPEAL.

Held that the Trade-Mark Act of 1946, effective July 5, 1947, has no application to the issue of descriptiveness of appellant's trade-mark here involved, although the appeal in the case was pending in this court on the effective date of the passage of that act, and that, as appellant's mark is merely descriptive of the quality and character of its goods, it was not entitled to registration under the Trade-Mark Act of February 20, 1905.

4. SAME—SECTION 2(c) OF THE TRADE-MARK ACT OF 1946 CONSTRUED.

Held that it was not the purpose of the Congress, by the language contained in section 2(c) of the trade-mark act effective July 5, 1947, to provide for the registration of trade-marks which are merely descriptive of the character or quality of the goods upon which they are used.

APPEAL from the Patent Office. T-M Cancellation No. 4376.

AFFIRMED.

Pennie, Edmonds, Morton & Barrows (Clarence M. Fisher and George E. Middleton of counsel) for McPartland.

Henry R. Marshall for Montgomery Ward.

W. W. Cochran (Walter J. Derenberg of counsel) for the Commissioner of Patents as amicus curiae.

Sylvester J. Liddy for the Lawyers' Advisory Committee of the United States Trade-Mark Association as amicus curiae.

Charles R. Allen for the American Patent Law Association as amicus curiae.

Philip T. Dalsimer and A. S. Greenberg for the Trade-Mark Committee of the New York Patent Law Association as amicus curiae.

Conder C. Henry (formerly Assistant Commissioner of Patents) as amicus curiae.

HATFIELD, J.:

This is an appeal in a trade-mark cancellation proceeding from the decision of the Commissioner of Patents, 67 USPQ 240, affirming the decision of the Examiner of Interferences sustaining appellee's petition for the cancellation of appellant's registered trade-mark "KWIXTART" for use on electric storage batteries.

Appellant's mark, registration No. 326,257, was registered July 23, 1935, under the Trade-Mark Act of February 20, 1905, on an application filed March 8, 1935.

Appellee's petition for cancellation of appellant's registered trade-mark was filed March 22, 1944.

It was claimed in the petition for cancellation that appellant's mark was descriptive of its goods and that it was, therefore, not registrable under section 5 of the Trade-Mark Act of February 20, 1905, which provides, among other things, that trade-marks which are "merely in words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods, shall not be registered."

It appears from the record, including collective Exhibit No. 26, that appellee, in describing its electric storage batteries over a number of years, used the following terms in its catalogues:

Fall-winter 1933-34, "quick starting."
Spring-summer 1935, "quicker starting."
Fall-winter 1935-36, "quicker starts" and "quick, sure start."
Spring-summer 1936, "quicker starts."
Fall-winter 1937-38, "quick starts."
Spring-summer 1938, "quick starts."
Spring-summer 1939, "quicker starts" and "quick starts."
Spring-summer 1940, "quick, sure starts" and "quicker starts."
Fall Bargain Book 1940, "Quick Sure Starting."
Christmas catalogue 1940, "quick, sure starts."
Spring-summer 1941, "quick start" phonetically spelled "Kwik Start."
Fall-winter 1941-42, and

Spring-summer 1942, there is displayed a battery with the letters "Kwik Start" thereon.
Mid-summer 1942, "quick starts."
Fall-winter 1942-43, "M W Kwik Start."

In addition to the evidence hereinbefore referred to, counsel for appellee introduced in evidence advertisements of other manufacturers of electric storage batteries, including the Willard Storage Battery Company, in which the term "Quick Starts" and other words of similar import were used, prior to and subsequent to appellant's alleged first use of its mark, to describe the function or quality of the batteries sold by them. The purpose of the introduction of that evidence was to establish that the term "quick start" was a common, ordinary, descriptive term which was used in the trade to describe the character or quality of electric storage batteries. It is unnecessary that we state here in detail all of the evidence of that character.

It is further argued by counsel for appellee, and so held by the decisions of the Patent Office tribunals, and properly so, we think, that the term "KWIXTART" is but a phonetic spelling of the term "quick start" and was intended to describe merely that appellant's battery would start a motor or engine quickly.

The Examiner of Interferences, as did the Commissioner of Patents, relied to a considerable extent upon the case of *Model Brassiere Co., Inc. v. Bromley-Sheppard Co., Inc.*, 18 CCPA (Patents) 1294, 49 F.2d 482, 9 USPQ 238, 411 O. G. 538. In that case the registered mark "Ensemble" was used on "garter-brassieres." It also appeared, as stated in the decision of this court, that the term "ensemble" was commonly used by merchants and others to describe combination garments prior to, and since, appellant first used "ensemble" as a trade-mark and in support of that statement the court referred to certain publications not published by appellee. The purpose of directing attention to those publications was to show that the term was generally understood to describe the goods or the character of such goods. It was there held that one who deemed himself injured by the registration of a descriptive mark might properly bring a petition for cancellation thereof.

[1] We further stated in that decision "That appellee was not required to show use [of the word 'ensemble'] on the date the petition was filed" and, accordingly, held that a merely descriptive term was not registrable under the Trade-Mark Act of February 20, 1905. [Italics not quoted.] See also the decisions in the cases of *United Shoe Machinery Corp. v. Compo Shoe Machinery Corp.*, 19 CCPA (Patents) 1009, 56 F.2d 292, 12 USPQ 246, 421 O. G. 4, and *Cridlebaugh v. Montgomery Ward & Co.*, 84 CCPA (Patents) 742, 158 F.2d 646, 72 USPQ 135, 597 O. G. 6.

[2] In the instant case it clearly appears that appellee and others were using words to describe their electric storage batteries which were similar to and the equivalent of appellant's registered mark. Accordingly, so far as the Trade-Mark Act of February 20, 1905, is concerned, it is apparent that the

trade-mark "KWIXTART" is merely descriptive of the goods on which it is used or of the character or quality of such goods and, therefore, was not entitled to registration.

Furthermore, it appears from the record that in appellant's registration it was stated that "No claim is made to the individual syllables of the mark, each apart from the other." That statement amounts to saying that the mark as a whole is merely descriptive of the goods upon which it was used. A somewhat similar situation is presented in the case of *In re Midy Laboratories, Inc.*, 26 CCPA (Patents) 1294, 104 F.2d 617, 42 USPQ 17, 508 O. G. 578, where it was held, in substance, that although a part of the mark might be disclaimed for registration purposes, the entire mark could not be properly disclaimed as descriptive for that purpose. The gist of the decision in that case is that such a mark is merely descriptive and, therefore, is not registrable. We have mentioned this particular phase of the case solely for the purpose of pointing out that appellant, at the time of the registration of the mark, was of opinion that the mark as a whole was merely descriptive of the goods or of the character or quality of the goods on which it was used. Each of the tribunals of the Patent Office referred to that particular fact, as well as to other facts hereinbefore stated, and properly concluded that the mark was merely descriptive of the goods on which it was used and, therefore, was not entitled to be registered under the Trade-Mark Act of February 20, 1905.

At the time of the oral arguments in this case, it was intimated from the bench that there was a possibility that the Trade-Mark Act of July 5, 1946 (effective July 5, 1947), Chap. 540, 60 Stat. L. 427 et seq., might have application to the issues here involved. In view of the importance of that question to the members of the bar, the court was of opinion that it would be advisable to request briefs on that question, not only from counsel in the case, but also from others who might be interested. In accordance with that suggestion, supplemental briefs have been filed by counsel for the parties. Briefs of amici curiae have also been filed by W. W. Cochran, Solicitor of the Patent Office, and Walter J. Derenberg, on behalf of the Commissioner of Patents; Sylvester J. Liddy for the Lawyers' Advisory Committee of the United States Trade-Mark Association; Charles R. Allen for the American Patent Law Association; Philip T. Daltmer and A. S. Greenberg for the Trade-Mark Committee of the New York Patent Law Association; and Conder C. Henry, formerly Assistant Commissioner of Patents. The court wishes to acknowledge with appreciation those additional briefs which have been fully and carefully considered in the disposition of the issues here presented.

Although each of the parties is of opinion that the Trade-Mark Act of July 5, 1946 (effective July 5, 1947), has application to the issues here involved, they disagree as to the interpretation to be placed on section 2(e) of that act. Counsel for appellant argues that section 2(e) should be interpreted as

meaning that the Congress intended to change the law as it existed in section 5 of the Trade-Mark Act of February 20, 1905, which reads in part that trade-marks which are "merely in words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods, * * *" shall not be registered.

Counsel for appellee insists that Congress, by the provision in section 2(e) of the new trade-mark act effective July 5, 1947, which is in accordance with the common law of trade-marks as announced by the Supreme Court, did not intend to change the meaning of the quoted provision in the Trade-Mark Act of February 20, 1905; furthermore, that the term "merely descriptive" contained in section 2(e) of the trade-mark act effective July 5, 1947, being consistent with the common law, has not changed the meaning of the quoted language in section 5 of the Trade-Mark Act of February 20, 1905.

Each of those who filed briefs as amici curiae is of opinion that the Trade-Mark Act of July 5, 1946 (effective July 5, 1947), has no application to the issues here at bar, and that it was not the intent of the Congress to change the meaning of the language of quoted section 5 of the Trade-Mark Act of February 20, 1905.

Section 13 of the Trade-Mark Act of February 20, 1905, U. S. C., title 15, sec. 93, provides "That whenever any person shall deem himself injured by the registration of a trade-mark in the Patent Office he may at any time apply to the Commissioner of Patents to cancel the registration thereof" and that "If it appear after a hearing before the Examiner that the registrant was not entitled to the use of the mark at the date of his application for registration thereof, * * * the Commissioner shall cancel the registration." [Italics ours.]

Section 1 of the Trade-Mark Act of July 5, 1946 (effective July 5, 1947), provides, among other things (a) (1) that a technical trade-mark shall be placed upon a principal register in the Patent Office.

Section 2(e) of that act provides that such marks which may be placed upon the principal register in the Patent Office shall not be "merely descriptive or deceptively misdescriptive" of the goods on which they are used.

Section 14 of the trade-mark act effective July 5, 1947, provides that

Any person who believes that he is or will be damaged by the registration of a mark on the principal register established by this act, or under the act of March 3, 1881, or the act of February 20, 1905, may upon the payment of the prescribed fee, apply to cancel said registration—

(a) Within five years from the date of the registration of the mark under this act; or

(b) Within five years from the date of the publication under section 12(c) hereof of a mark registered under the act of March 3, 1881, or the act of February 20, 1905; * * * [Italics ours.]

or if (c) "at any time" a registered mark obtained under the act of March 3, 1881, or under the act of February 20, 1905

* * * was obtained fraudulently or contrary to the provisions of section 4 or of subsections (a), (b), or (c) of section 2 of this act for a registration hereunder, or contrary to similar prohibitory provisions of said prior acts for a registration thereunder

It will be observed that subsection (c) relating to descriptive marks is not referred to in subsection

(c) of section 14 of that act. Furthermore, section 4 has no application to the issue here involved.

As hereinbefore noted, section 2(e) prohibits the registration of a mark which is "merely descriptive or deceptively misdescriptive" of the goods on which it is used.

Section 12(c) of that act provides that

A registrant of a mark registered under the provisions of the act of March 3, 1881, or the act of February 20, 1905, may, at any time prior to the expiration of the registration thereof, upon the payment of the prescribed fee file with the Commissioner an affidavit setting forth those goods stated in the registration on which said mark is in use in commerce and that the registrant claims the benefits of this act for said mark. The Commissioner shall publish notice thereof with a reproduction of said mark in the Official Gazette, and notify the registrant of such publication and of the requirement for the affidavit of use or nonuse as provided for in subsection (b) of section 8 of this act. This subsection shall not be subject to the provisions of section 13 of this act. [Italics ours.]

It may be observed in passing that the trade-mark act effective July 5, 1947, provides for a principal register, as well as a supplemental register. It is the principal register with which we are here concerned. The act further provides that the registration of a mark on the principal register " * * * shall be constructive notice of the registrant's claim of ownership thereof." The act of February 20, 1905, does not provide for a "principal register."

Section 46(a) of the trade-mark act effective July 5, 1947, provides that "This act shall be in force and take effect one year from its enactment, but except as otherwise herein specifically provided shall not affect any suit, proceeding, or appeal then pending."

Section 46(b) provides that

Registrations now existing under the act of March 3, 1881, or the act of February 20, 1905, shall continue in full force and effect for the unexpired terms thereof and may be renewed under the provisions of section 9 of this act. Such registrations and the renewals thereof shall be subject to and shall be entitled to the benefits of the provisions of this act to the same extent and with the same force and effect as though registered on the principal register established by this act except as limited in sections 8, 12, 14, and 15 of this act. Marks registered under the "ten-year proviso" of section 5 of the act of February 20, 1905, as amended, shall be deemed to have become distinctive of the registrant's goods in commerce under paragraph (f) of section 2 of this act and may be renewed under section 9 hereof as marks coming within said paragraph. [Italics ours.]

It will be observed that the registration under the new trade-mark act effective July 5, 1947, provides that the registrations under that act "shall be subject to and shall be entitled to the benefits of the provisions of this act to the same extent and with the same force and effect as though registered on the principal register established by this act except as limited in sections 8, 12, 14, and 15 of this act." [Italics ours.]

Section 47(a) of that act provides that

All applications for registration pending in the Patent Office at the effective date of this act may be amended, if practicable, to bring them under the provisions of this act. The prosecution of such applications so amended and the grant of registrations thereon shall be proceeded with in accordance with the provisions of this act. If such amendments are not made, the prosecution of said applications shall be proceeded with and registrations thereon granted in accordance with the acts under which said applications were filed, and said acts are hereby continued in force to this extent and for this purpose only, notwithstanding the foregoing general repeal thereof. [Italics ours.]

Section 47(b) provides that

In any case in which an appeal is pending before the United States Court of Customs and Patent Appeals or any United States Circuit Court of Appeals or the United States Court of Appeals for the District of Columbia or the United States Supreme Court at the effective date of

this act, the court, if it be of the opinion that the provisions of this act are applicable to the subject matter of the appeal, may apply such provision or may remand the case to the Commissioner or to the district court for re-taking of additional evidence or a new trial or for reconsideration of the decision on the record as made, as the appellate court may deem proper. [Italics ours.]

Section 49 of that act provides that

Nothing herein shall adversely affect the rights or the enforcement of rights in marks acquired in good faith prior to the effective date of this act. [Italics ours.]

Section 19 of that act provides that

In all inter partes proceedings equitable principles of laches, estoppel, and acquiescence, where applicable may be considered and applied. The provisions of this section shall also govern proceedings heretofore begun in the Patent Office and not finally determined.

It is apparent from the quoted excerpts of the Trade-Mark Act of July 5, 1946 (effective July 5, 1947), that it provides for a "principal register" which was not provided for in any previous act; that if an applicant for registration desires to come within the provisions of that act, he may amend his application "if practicable" to bring his application within the provisions of that act. It is also evident from the quoted excerpts from the trade-mark act effective July 5, 1947, that it was not the intent of the Congress to make that act retroactive and repeal all of the remedial provisions provided in the Trade-Mark Act of February 20, 1905. The act certainly applies to applications under the new act and to those which have been amended "when practicable" and to "equitable principles" set forth in section 19 of that act, such as laches, estoppel, and acquiescence. Those issues, however, are not presented in this appeal.

[3] It is evident, we think, from the quoted excerpts from the trade-mark act effective July 5, 1947, that that act has no application to the issue of descriptiveness of appellant's trade-mark here involved, although the appeal in the case was pending in this court on the effective date of the passage of that act, and that, as appellant's mark is merely descriptive of the quality and character of its goods, it was not entitled to registration under the Trade-Mark Act of February 20, 1905.

[4] Should we, however, be wrong in our conclusion as to the applicability to the issues here involved of the trade-mark act effective July 5, 1947, we are of opinion, for the reasons hereinafter stated, that it was not the purpose of the Congress, by the language contained in section 2(e) of the trade-mark act effective July 5, 1947, hereinbefore quoted, to provide for the registration of trade-marks which are merely descriptive of the character or quality of the goods upon which they are used.

As stated by the Supreme Court in the case of *Beckwith v. Commissioner of Patents*, 252 U. S. 538, 543; 274 O. G. 618:

It was settled long prior to the trade-mark registration act that the law would not secure to any person the exclusive use of a trade-mark consisting merely of words descriptive of the qualities, ingredients or characteristics of an article of trade. This for the reason that the function of a trade-mark is to point distinctively, either by its own meaning or by association, to the origin or ownership of the wares to which it is applied, and words merely descriptive of qualities, ingredients or characteristics, when used alone, do not do this. Other like goods, equal in them in all respects, may be manufactured or dealt in by others, who, with equal truth, may use, and must be left free to use, the same language of description in placing their goods before the public.

In support of that statement, the Court cited the following cases: *Canal Co. v. Clark*, 13 Wall. 311, 322, 323, 324; *Manufacturing Co. v. Trainer*, 101 U. S. 51, 54; *Manhattan Medicine Co. v. Wood*, 108 U. S. 218, 222, 23 O. G. 1925; *Goodyear's India Rubber Glove Mfg. Co. v. Goodyear Rubber Co.*, 128 U. S. 506, 46 O. G. 122; *Lawrence Mfg. Co. v. Tennessee Mfg. Co.*, 138 U. S. 537, 547, 55 O. G. 1528; *Brown Chemical Co. v. Meyer*, 139 U. S. 540; *Elgin National Watch Co. v. Illinois Watch Case Co.*, 179 U. S. 665, 94 O. G. 755; *Standard Paint Co. v. Trinidad Asphalt Mfg. Co.*, 220 U. S. 446, 185 O. G. 971.

The earliest case on the subject cited by the Supreme Court is *Canal Co. v. Clark*, supra, decided in December 1871. The law as there stated and as reiterated in the *Beckwith* case, supra, has not been overruled.

The Congress certainly did not intend to permit the registration of a trade-mark, which was merely descriptive of the quality or character of the goods upon which it was used, as such legislation would be diametrically opposed to the law of trade-marks as announced in the *Beckwith* case, supra.

We are of opinion, therefore, that by the quoted language contained in section 2(e) of the Trade-Mark Act of July 5, 1946 (effective July 5, 1947), it was the purpose of the Congress to permit the registration of such marks only, so far as descriptiveness is concerned, which were not merely descriptive of the goods upon which they were used or the quality or character of such goods.

For the reasons hereinbefore stated, we are of opinion that the Commissioner of Patents reached the right conclusion.

The decision of the Commissioner of Patents is, accordingly, affirmed.

AFFIRMED.

BLAND, J. (specially concurring):

I agree with the holding of the court that "KWIX-TART" is descriptive within the prohibition of either the 1905 act or the 1946 act.

I also agree that Congress, by the omission of the words, "or of the character or quality of such goods," did not intend to change the meaning which had heretofore been given to the language of the 1905 act with reference to descriptiveness.

Therefore I agree that the mark should be canceled. This holding would have decided all the issues necessary to decide, and, in my judgment, the question as to the applicability of the 1946 act is obiter. I think the court, in view of the probability of similar questions being raised frequently in the future, should be unwilling to pass upon this question until it is absolutely necessary.

Therefore I do not wish to express or intimate any view as to whether or not the new act applies in respects with which we are here concerned or in other respects.

U. S. Court of Customs and Patent Appeals

IN RE TRIER ET AL.

No. 5322. Decided June 3, 1947. Petition for rehearing denied September 29, 1947
[168 F.2d 575; 75 USPQ 80]

1. DIVISION—REJECTION ON MISJOINDER WITHOUT SUBMISSION TO EXAMINER OF CLASSIFICATION—OFFICE PRACTICE.

Where the Examiner in making an original requirement for division stated that claim 1 could be included with either group I or Group III, but not with group II, and appellant elected group III; and, where, thereafter, claim 1 was amended and the Examiner held that, as amended, the claim was drawn to the subject matter of non-elected group I and rejected the claim on the ground of misjoinder of invention; and, where appellants urge that the Examiner should not have rejected amended claim 1 for misjoinder without submitting the matter to the Examiner of Classification, though so far as the record shows appellants did not request that the question be referred to the Examiner of Classification and on appeal to the Board of Appeals they assigned no error in that respect, Held that the question involved is merely one of Patent Office practice, and it is well settled that this court will not disturb the rulings of the Patent Office on such matters in the absence of an abuse of discretion.

2. SAME—INDEPENDENT MECHANISMS ASSOCIATED WITH COMMON CONVEYOR—PROPER.

Where an application contains claims drawn to a combination of conveying means and bottle washing means, and claims to the combination of a conveyor and a bottle controlled valve for regulating the spray of liquid against the bottle, the washing means and valve being located at different stations on the conveyor and operate successively on the same bottle but are functionally entirely independent and either might be omitted without affecting the operation of the other in any respect, Held that the requirement of division between these groups of claims and the rejection of one group for misjoinder of invention were proper, since the mere association of several independent mechanisms with a common conveyor does not justify the claiming of all of them in the same application.

3. SAME—COMBINATION INCLUDING SPRAY DEVICE BROADLY AND SPECIFIC SPRAY DEVICE—PROPER.

Where elected claims call for the combination of a conveyor, spray device and bottle controlled valve for regulating the spray of liquid against the bottle at pre-rinsing station, a claim drawn to a specific spray device which is of general application Held properly rejected for misjoinder.

4. PATENTABILITY—OLD COMBINATION—NEW ELEMENT.

Where the appealed claims call for the combination of an intermittently operated conveyor and a plurality of spraying devices designed to supply liquid to articles on the conveyor and this combination is clearly shown to be old, Held any novelty which those claims present over the disclosure of the prior art, therefore, resides in the spraying devices per se or in the specific conveyor structure and not in the association of a plurality of such devices with a conveyor.

5. SAME—SAME—SAME.

The improvement of one element of an old combination does not justify a claim to the improved element together with old parts which perform no new function in the combination.

6. SAME—BOTTLE WASHING APPARATUS.

Certain claims for a bottle washing apparatus calling for a conveyor having a bottle support adapted to hold a bottle in securely fixed position relative to the support, a spray discharge device provided with a valve, and means in the path of a bottle propelled by the conveyor and connected with said valve adapted to be actuated by the bottle to open the valve, Held patentable over the references cited against them.

APPEAL from the Patent Office. Serial No. 331,588. MODIFIED.

Norman E. H. Deletzke for Trier et al.

W. W. Cochran (E. L. Reynolds of counsel) for the Commissioner of Patents.

HATFIELD, J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1 to 13, inclusive, 15, and 17 to 21, inclusive, in appellants' application for a patent for an invention relating to a bottle washing apparatus.

Claims 1, 5, 12, and 17 are sufficiently representative of the appealed claims. They read:

1. A machine for washing bottles or similar containers including intermittently movable bottle or container conveying means, bottle or container support means carried by said conveying means and adapted to maintain a bottle in securely fixed position relative to said support means with substantially all of said bottle exposed for spraying or washing while being conveyed through said washing machine, and a spraying device intermittently operable in timed relation with a period of dwell of said intermittently movable conveying means, said spraying device being movable during a period of dwell of the machine over the exterior of the bottle to wash or spray the exterior of the bottle, said bottle being maintained in operative position solely by said bottle support means.

5. A machine for washing bottles including bottle conveying means for the step-by-step advance of a bottle carried in a bottle support on said conveying means with a period of dwell between each successive step, a spray ring provided with centrally directed jet orifices reciprocally movable axially of a bottle in said support, said spray ring being of sufficient diameter to receive a bottle carried by said support, means at a predetermined station in advance of said bottle support for mounting said ring for movement axially of a bottle in said support, means for the axial actuation of said ring in timed synchronism with a period of dwell of the support at said station, and means for supplying said spray ring with liquid under the pressure during its axial movement, said ring being adapted to discharge said liquid through said centrally directed jet orifices during the axial movement of said ring and during the dwell of said support.

12. In a device of the character described, the combination with a bottle propelling conveyor having a bottle support adapted to grip a bottle and maintain it in securely fixed position relative to said support and a spray discharge means provided with a valve, of means in the path of a bottle propelled by said conveyor and connected with said valve and adapted to be actuated by the bottle in a valve opening direction.

17. A bottle washing machine comprising, in combination, intermittently movable bottle conveying means with periods of dwell between the consecutive movements thereof, bottle support means carried by said conveying means and adapted to maintain a bottle in securely fixed position relative to said support means, and a plurality of spraying devices intermittently operable in timed relation with a period of dwell of said intermittently movable conveying means, one of said spraying devices being operable by a bottle carried in said support means, said support means being so constructed and arranged as to securely maintain a grip on said bottle while said bottle is being moved through said washing machine by said conveying means and while said bottle is subjected to a spraying discharge from said spraying devices.

Claims 14 and 16 in appellants' application were allowed by the Primary Examiner.

Appellants' application discloses a device comprising an endless chain conveyor which is intermittently driven. Mounted on the conveyor, and extending across it, are spaced carrier frames, each adapted to receive several soiled bottles. The bottles are received in pockets on the carrier frames and are held in place by resilient gripping members. After being placed on the conveyor, the bottles are carried to a pre-rinsing station where nozzles are arranged to direct jets of water against them. The flow of water to each of the nozzles is controlled by

a valve and each valve is actuated by a lever extending into the path of movement of the bottles, the arrangement being such that each bottle, as it arrives at the pre-rinsing station, actuates the valve which supplies water to the nozzle which is arranged to direct a jet against the bottle, so that rinsing water will be supplied only when there is a bottle in position to be rinsed. After leaving the pre-rinsing station the bottles are carried through a soaking bath to a washing station where they make three successive stops in registration with nozzles which deliver jets of water against them at various angles, both internally and externally. Thereafter, the bottles pass to rinsing and sterilizing stations and thence to a discharge station where they are removed from the conveyor.

The references relied on are: Rubin, 784,504, March 7, 1905; Pilley, 1,299,507, April 8, 1919; Wolf, 1,598,634, September 7, 1926; Price, 1,687,791, October 16, 1928; Carvalho, 1,714,075, May 21, 1929; Ladewig et al., 1,734,585, November 5, 1929; Enz, 1,740,233, December 17, 1929; Herold et al., 1,824,993, September 29, 1931; Dufford, 1,825,718, October 6, 1931; Hippenmeyer, 1,831,351, November 10, 1931; Gruetter, 1,904,685, April 18, 1933; Perkins, 1,978,721, October 30, 1934; Braun, 2,017,941, October 22, 1935; Dostal, 2,094,398, September 28, 1937; Wolcott et al., 2,197,602, April 16, 1940; Ohme et al., 2,217,324, October 8, 1940.

The patent to Ladewig et al. discloses a bottle washing machine in which the soiled bottles are placed in transverse rows on carriers which are mounted on an endless conveyor. The conveyor is moved intermittently and transports the bottles through soaking baths to stations where they are rinsed internally and externally by jets of water and are subjected to a sterilizing spray. The bottles are then sprayed by cooling spray nozzles and are discharged from the conveyor.

The patent to Price relates to a can washing machine and, so far as the issues here are concerned, is similar to the bottle washer disclosed in the Ladewig et al. patent.

The patents to Enz and Dostal disclose bottle holding devices which are mounted on carriers and which hold the bottles during the washing thereof by engaging the beads adjacent the mouths of the bottles.

The patents to Braun, Pilley, Rubin, and Wolcott et al. disclose receptacle washing machines in which the receptacle, such as a milk can, on arriving at a washing station, engages a member which causes a valve to open so that cleaning liquid is delivered against the receptacle.

The remainder of the patents cited are cumulative and do not require detailed consideration.

[1] Claims 1 and 5 to 11, inclusive, were rejected on the ground of misjoinder of invention. It appears that the Examiner required division between

the following groups of claims: Group I includes claims 5 to 10, inclusive; group II consists of claim 11; group III includes claims 12 to 16, inclusive. He also held that the remaining claims might be included in either group I or group III but not in group II. Appellants elected to prosecute the claims in group III, but retained the other claims in the case in order to question, on appeal, the propriety of the requirement of division. Thereafter claim 1 which, in accordance with the original requirement of division could have been included with either group I or group III, was amended and the Examiner held that, as amended, that claim was drawn to the subject matter of the claims in the non-elected group I. He, accordingly, rejected that claim as well as claims 5 to 11, inclusive, on the ground of misjoinder of invention.

Counsel for appellants urge that the Examiner should not have rejected amended claim 1 on the ground of misjoinder of invention without submitting the matter to the Examiner of Classification. So far as the record here shows, counsel for appellants did not request that that question be referred to the Examiner of Classification and on appeal to the Board of Appeals they assigned no error in that respect. The question involved is merely one of Patent Office practice and it is well settled that this court will not disturb the rulings of the Patent Office on such matters in the absence of an abuse of discretion. *In re Walter M. Austin*, 17 CCPA (Patents) 1202, 40 F.2d 756, 5 USPQ 285, 399 O. G. 625; *In re Jerry J. Pondelhoeck*, 18 CCPA (Patents) 1008, 47 F.2d 353, 8 USPQ 282, 408 O. G. 591; *In re Sweet*, 30 CCPA (Patents) 1124, 138 F.2d 722, 58 USPQ 327, 556 O. G. 726. No abuse of discretion has been shown in the present case, and the rejection of claim 1, as well as claims 5 to 11, inclusive, on the ground of misjoinder of invention must, therefore, be considered on its merits.

[2] Claims 1 and 5 to 10, inclusive, are drawn to the combination of a conveying means and bottle washing means, while claims 12 to 16, inclusive, the claims of elected group III, call for the combination of a conveyor and a bottle-controlled valve for regulating the spray of liquid against the bottle. The device called for in claims 12 to 16, inclusive, is that located at appellants' pre-rinsing station, whereas the washing means of claims 1 and 5 to 10, inclusive, are located at a different station on the conveyor. Appellants' pre-rinsing and washing devices are located along the same conveyor and operate successively on the same bottles but they are functionally entirely independent and either might be omitted without affecting the operation of the other in any respect. We are of opinion, therefore, that the requirement of division between those groups of claims and the rejection of claims 1 and 5 to 10, inclusive, for misjoinder of invention were

proper. The mere association of several independent mechanisms with a common conveyor does not justify the claiming of all of them in the same application.

[3] Claim 11 is drawn to a spray device which is of general application and which is obviously entirely independent of the pre-rinsing mechanism of the elected claims. The rejection of claim 11 on the ground of misjoinder of invention was, therefore, proper.

[4], [5] Claims 2 to 4 and 17 to 21, inclusive, were rejected as being drawn to an old combination. Those claims call for the combination of an intermittently operated conveyor and a plurality of spraying devices designed to supply liquid to articles on the conveyor. This combination is clearly shown to be old in the Ladewig et al. patent. Any novelty which those claims present over the disclosure in that patent, therefore, resides in the spraying devices per se or the specific conveyor structure and not in the association of a plurality of such devices with a conveyor. The improvement of one element of an old combination does not justify a claim to the improved element together with old parts which perform no new function in the combination. *Lincoln Co. v. Stewart-Warner Corp.*, 303 U.S. 545, 490 O. G. 3; *in re Allatt*, 28 CCPA (Patents) 1367, 121 F.2d 545, 50 USPQ 214; 532 O. G. 767. We are of opinion, therefore, that the tribunals of the Patent Office were right in rejecting claims 2 to 4, inclusive, and 17 to 21, inclusive, on the ground that they call for an old combination. It is unnecessary, therefore, that we consider the rejection of those claims on various combinations of the references.

Each of the appealed claims, 12, 13, and 15, calls for a conveyor having a bottle support adapted to hold a bottle in securely fixed position relative to the support, a spray discharge device provided with a valve, and means in the path of a bottle propelled by the conveyor adapted to be actuated by the bottle to open the valve.

Claims 12, 13, and 15 were rejected on the disclosure in the patent to Braun. The patentee discloses a can washing device in which the cans rest on a fixed support and are intermittently gripped by movable clamps which cause them to slide along the support. As the cans move along the support, they engage a projecting member which opens a valve and causes a liquid spray to be projected against them. Although that arrangement is generally similar to that of claims 12, 13, and 15, the patentee is dealing with cans rather than bottles, and the patentee's cans are not maintained in fixed position relative to the support, as required by those claims, but are caused to slide along it.

We are of opinion that claims 12, 13, and 15 are patentable over the disclosure in the Braun patent.

Claims 12, 13, and 15 were further rejected on the disclosure in the patent to Pilley in view of the disclosure in the patent to Braun. However, in the Pilley device, as in that of Braun, the articles washed are cans and they are not held fixed relative to the support, but are caused to slide along it. Those claims were further rejected on the disclosure in the patent to Enz or the disclosure in the patent to Dostal, which patents disclose conveyors having bottles gripped in fixed positions thereon, in view of the disclosures in the patents to Rubin and Wolcott et al., which disclose can washing devices and can-actuated valves similar to those disclosed in the patents to Pilley and Braun.

Owing to the fact that the conveying means disclosed in the patents to Enz and Dostal are quite different from the fixed guide along which the cans

slide in the patents to Rubin and Wolcott et al. we are constrained to disagree with the views expressed by the tribunals of the Patent Office that it would be obvious to combine the different features disclosed in those references in order to meet the combination defined by appealed claims 12, 13, and 15. We are of opinion, therefore, that claims 12, 13, and 15 are patentable over the references cited against them.

For the reasons herein stated, the decision of the Board of Appeals is modified, being reversed as to claims 12, 13, and 15, and affirmed as to claims 1 to 11, inclusive, and 17 to 21, inclusive.

MODIFIED.

By reason of illness, GARRETT, P. J., was not present at the argument of this case and did not participate in the decision.

NOTICES

Adjudicated Patents

(C. C. A. N. Y.) Haupt, Gumbel, and Geisecke patent, No. 1,898,535, for method and means of feeding paper sheets, claim 1 Held invalid. *American Type Foundry v. Dester Folder Co.*, 164 F.2d 118; 75 USPQ 193.

(C. C. A. N. Y.) Backhouse patent, No. 2,108,702, for automatic sheet feeding machinery, claim 52 Held invalid. *Id.*

(C. C. A. N. Y.) Hallstream patent, No. 2,144,057, for paper feeding machine, claims 1 to 4, 6, 9, 10, and 26 Held invalid. *Id.*

Disclaimer

2,395,484.—*Andrew B. Jennings*, New Brunswick, N. J. BIS SULPHONAMIDES OF NAPHTHOL SULFONYL CHLORIDES WITH AROMATIC DIAMINES. Patent dated Feb. 26, 1946. Disclaimer filed Dec. 30, 1947, by the inventor, the assignee, *E. I. du Pont de Nemours and Company*, assenting.

Hereby disclaims claim 1, except those compounds more specifically covered by claims 2, 5, and 6 of said patent.

Public Laws 690 and 220

The following tabulation summarizes and gives references to the notices which have appeared in the OFFICIAL GAZETTE from time to time with respect to Public Laws 690 and 220, and also gives additional information.

The absence at this time of a particular country from this list does not indicate that the extensions provided by Public Laws 690 and 220 are refused to citizens of that country, but only indicates that a notice has not been published in the OFFICIAL GAZETTE. In the case of some countries additional information concerning the corresponding laws is being sought through official channels; in the case of other countries, the Patent Office has received no information with respect to the corresponding laws; and in the case of some countries all information received indicates that there is no corresponding law.

Applications by citizens of countries with respect to which a notice has not been published will be considered individually when they are taken up for action.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

January 6, 1948.

Notices Regarding Reciprocity

Country	Time limit for filing applications, etc., in United States	Publication of notice in Official Gazette
Austria.....	(1)	(2)
Belgium.....	(1)	602 O. G. 362, Sept. 16, 1947.
Bulgaria.....	Feb. 29, 1948	See Public Law 380, 602 O. G. 675, Sept. 30, 1947.
Canada.....	Nov. 15, 1947	600 O. G. 175, July 8, 1947; 601 O. G. 332, Aug. 19, 1947.
Denmark.....	Feb. 29, 1948	606 O. G. 3, Jan. 20, 1948.
Finland.....	do.....	600 O. G. 505, July 22, 1947; 605 O. G. 556, Dec. 23, 1947.
France.....	Aug. 8, 1947 ¹	598 O. G. 9, May 6, 1947; 605 O. G. 21, Dec. 2, 1947.
Great Britain.....	Feb. 29, 1948	597 O. G. 458, Apr. 22, 1947; 603 O. G. 383, Oct. 21, 1947; 605 O. G. 720, Dec. 30, 1947.
Holland.....	Dec. 31, 1947	597 O. G. 306, Apr. 15, 1947; 601 O. G. 332, Aug. 19, 1947.
Hungary.....	Feb. 29, 1948	See Public Law 380, 602 O. G. 675, Sept. 30, 1947.
Italy.....	do.....	See Public Law 380, 602 O. G. 675, Sept. 30, 1947.
Luxembourg.....	do.....	604 O. G. 28, Nov. 4, 1947.
New Zealand.....	do.....	600 O. G. 175, July 8, 1947; 604 O. G. 398, Nov. 18, 1947.
Norway.....	Dec. 31, 1947	603 O. G. 541, Oct. 28, 1947.
Roumania.....	Feb. 29, 1948	See Public Law 380, 602 O. G. 675, Sept. 30, 1947.
Sweden.....	do.....	599 O. G. 11, June 8, 1947; 604 O. G. 28, Nov. 4, 1947.
Switzerland.....	do. ⁴	596 O. G. 280, Mar. 18, 1947; 601 O. G. 332, Aug. 19, 1947.

¹ Closing date not yet determinable, but not later than Feb. 29, 1948.

² Notice not previously published.

³ Supplementary agreement extending date to Feb. 29, 1948 signed but not yet in force.

⁴ Notice of change in date from Dec. 31, 1947, to Feb. 29, 1948 not previously published.

Extension of Time for Renewing Trade-Mark Registrations: Finland

By the President of the United States of America

A PROCLAMATION

WHEREAS by the act of Congress approved July 17, 1946, 60 Stat. 568, the President is authorized, under the conditions prescribed in that act, to grant an extension of time for the fulfillment of the conditions and formalities for the renewal of trade-mark registrations prescribed by section 12 of the act authorizing the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same, approved February 20, 1905, as amended (15 U. S. C. 92), by nationals of countries which accord substantially equal treatment in this respect to citizens of the United States of America:

NOW, THEREFORE, I, HARRY S. TRUMAN, President of the United States of America, under and by virtue of the authority vested in me by the aforesaid act of July 17, 1946, do find and proclaim that with respect to trade-marks of nationals of Finland registered in the United States Patent Office which have been subject to renewal on or after September 3, 1939, there has existed during several years since that date, because of conditions growing out of World War II, such disruption or suspension of facilities essential to compliance with the conditions and formalities prescribed with respect to renewal of such registrations by section 12 of the aforesaid act of February 20, 1905, as amended, as to bring such registrations within the terms of the aforesaid act of July 17, 1946; that Finland accords substantially equal treatment in this respect to trade-mark proprietors who are citizens of the United States; and that accordingly the time within which compliance with conditions and formalities prescribed with respect to renewal of registrations under section 12 of the aforesaid act of February 20, 1905, as amended, may take place is hereby extended with respect to such registrations which expired after September 3, 1939, and before June 30, 1947, until and including June 30, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.

DONE at the City of Washington this fifth day of December, in the year of our Lord nineteen hundred and forty-seven and of the Independence of the United States of America the one hundred and seventy-second.

HARRY S. TRUMAN.

By the President:
ROBERT A. LOVETT,
Acting Secretary of State.

December 5, 1947.

Extension of Time for Renewing Trade-Mark Registrations: Norway

By the President of the United States of America

A PROCLAMATION

WHEREAS by the act of Congress approved July 17, 1946, 60 Stat. 568, the President is authorized, under the conditions prescribed in that act, to grant an extension of time for the fulfillment of the conditions and formalities for the renewal of trade-mark registrations prescribed by section 12 of the act authorizing the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same, approved February 20, 1905, as amended (15 U. S. C. 92), by nationals of countries which accord substantially equal treatment in this respect to citizens of the United States of America:

NOW, THEREFORE, I, HARRY S. TRUMAN, President of the United States of America, under and by virtue of the authority vested in me by the aforesaid act of July 17, 1946, do find and proclaim that with respect to trade-marks of nationals of Norway registered in the United States Patent Office which have been subject to renewal on or after September 3, 1939, there has existed during several years since that date, because of conditions growing out of World War II, such disruption or suspension of facilities essential to compliance with the conditions and formalities prescribed with respect to renewal of such registrations by section 12 of the aforesaid act of February 20, 1905, as amended, as to bring such registrations within the terms of the aforesaid act of July 17, 1946; that Norway accords substantially equal treatment in this respect to trade-mark proprietors who are citizens of the United States; and that accordingly the time within which compliance with conditions and formalities prescribed with respect to renewal of registrations under section 12 of the aforesaid act of February 20, 1905, as amended, may take place is hereby extended with respect to such registrations which expired after September 3, 1939, and before June 30, 1947, until and including June 30, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.

DONE at the City of Washington this sixth day of January, in the year of our Lord nineteen hundred and forty-eight and of the Independence of the United States of America the one hundred and seventy-second.

HARRY S. TRUMAN.

By the President:
G. C. MARSHALL,
Secretary of State.

January 7, 1948.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,420,715. TUBE CONSTRUCTION. Patented May 20, 1947. A tubular metal construction is shown adaptable for use as a structural beam, column, mast, boom, or like structures which must be capable of withstanding great stress. Basically, the structure consists of a tubular shell and an inner radial web strengthened by spaced flat rings which fit notches provided in the web. The shell is further slotted to accommodate keys formed on both the web and the rings and also welded at the segment edges where keys and slots, etc., are joined to insure rigidity. Modification also shown. (Owner) James F. Millward, 1118 1/2 Third Ave., Seattle 1, Wash. Group 33—12—81. Reg. No. 9,041.

Pat. 2,219,963. FRUIT AND VEGETABLE CUTTING APPARATUS. Patented Oct. 29, 1940. Group 35—51. Reg. No. 9,042.

Pat. 2,429,108. FRUIT AND VEGETABLE CUTTER, INCLUDING A PIVOTED FRAME HAVING DETACHABLE BLADES. Patented Oct. 14, 1947. Group 35—51. Reg. No. 9,043.

These two patents pertain to a combination cutting device particularly designed for use in hotels, restaurants, and similar establishments where sliced and cubed vegetables and fruits are used in large quantities. Patent 2,219,963 shows a wheeled frame supporting a material-receiving compartment having a vertically movable bladed platform on which fruits and vegetables are deposited for slicing. The apparatus includes a worm gear and drive assembly which causes the slicing or cubing operation to be performed as the platform is moved upwardly. Patent 2,428,108 describes an accessory for the above device. The accessory is supported on the structure by a vertical shaft and consists of a unit having a series of horizontally swingable, uniformly spaced cutter blades which pass through the interstices of a bracket having aligned openings enabling vegetables or the like piled on a retractable loading tray to be sliced. Slices are collected in a wire basket which is part of the apparatus. (Owner) George E. Rieder, 3464 Locke Lane, Houston 6, Tex.

The following five patents relating to internal combustion engines of the Diesel type are owned by W. L. Wuehr, 1013 Thirteenth Ave., Port Arthur, Tex. Group 35—12—19.

Pat. 2,057,075. INTERNAL COMBUSTION ENGINE. Patented Oct. 13, 1936. Reg. No. 9,044.

Pat. 2,217,192. INTERNAL COMBUSTION ENGINE. Patented Oct. 8, 1940. Reg. No. 9,045.

These two patents show internal combustion engines of the Diesel type designed to utilize heat contained in the exhaust gases to operate secondary pistons so that power impulses will be delivered to each piston rod on its return stroke. The engines have oppositely disposed high and low pressure cylinders with the pistons in the respective cylinders connected to a common piston rod for movement in unison. In Patent 2,217,192 hot exhaust gases from the high pressure cylinders and a fine spray of hot water (both under high pressure) are simultaneously injected into the low pressure cylinders with the spray instantaneously converted into steam to deliver the

secondary power impulses. In Patent 2,057,075 the spray is converted into steam when it is injected into a chamber already containing the conducted exhaust gases. The resultant mixture is then injected into a low pressure cylinder. The means for utilizing the exhaust gases may be incorporated in engines of various types and sizes.

Pat. 2,393,084. INTERNAL COMBUSTION ENGINE. Patented Jan. 15, 1946. Reg. 9,046.

Pat. 2,393,085. INTERNAL COMBUSTION ENGINE. Patented Jan. 15, 1946. Reg. No. 9,047.

These two patents show an engine which has two horizontal rows of spaced open-ended cylinders, with each row on the same level. The rows are offset slightly to permit connection of inner and outer opposed pistons in the cylinders to the crankshaft, which is transversely disposed between the rows. The heads of the opposed pistons in each cylinder have dish-shaped portions to provide a common combustion chamber within the heads of the pistons when in their innermost position. The air is so highly compressed in the combustion chamber as to cause fuel injected therein to ignite and burn, and this tends to separate the pistons. As the pistons separate they uncover ports in the cylinder wall, which communicate with an air chamber surrounding the cylinder, admitting compressed air to aid combustion. On the compression stroke of the pistons a portion of the air compressed between the pistons is forced into the air chamber where it is entrapped when the side walls of the pistons close the ports in the cylinder wall. In one embodiment of the invention two pairs of opposed pistons simultaneously deliver power impulses to three crank pins of the engine crankshaft.

Pat. 2,428,106. INTERNAL COMBUSTION ENGINE. Patented Sept. 30, 1947. Reg. No. 9,048.

This opposed piston type of Diesel engine is designed so that spaced flywheel cam drums fixedly mounted on the drive shaft of the engine each receive driving impulses at four spaced points simultaneously from two pairs of opposed pistons. Each cam drum also receives two driving impulses from each pair of pistons for each revolution of the drive shaft. Rows of open-ended cylinders with opposed pistons in each cylinder are mounted above and below the drive shaft with the axis of the shaft extending transversely of the axis of the cylinders and centrally between the ends of the cylinders in each row. The driving mechanism between pairs of opposed pistons and the cam drums includes rocking (or walking) beams at the outer ends of the cylinders with the ends of each beam connected to corresponding pistons in two cylinders. The rocking beams are mounted on rock shafts, one journaled on the other. The rock shafts have cam arms which project freely into a peripheral groove in the cam drums to deliver the power impulses thereto. Substantially continuous drive of the drive shaft of this engine is effected so as to provide an extremely smooth running engine, which is capable of developing relatively great power.

Pat. 2,429,110. HEAT CRADLE. Patented Oct. 14, 1947. A cradle made of rust-proof strap iron for giving heat treatments to hands and arms or feet and legs. Two parallel base members extend longitudinally, with a connecting semi-elliptical member at each end and center of cradle.

A longitudinal member is secured across tops of curved members. Cross bars under the curved strips fit in adjustable slots in spaced parallel base members. A pillow is placed beneath the cradle on which the patient's arm or leg rests, and an adjustable strap secured to center cross bar holds the wrist or ankle in position. Heat is supplied by a light bulb or other means attached to any upper member of the cradle. (Owner) Otto Staloch, 1316 Glenwood Ave., Flint 3, Mich. Group 33—99. Reg. No. 9,049.

Pat. 2,416,753. COUNTERBALANCE FOR RAMPS AND LIKE PIVOTED MEMBERS. Patented Mar. 4, 1947. A counterbalance, which is particularly useful for ramps of landing boats, is provided with strong springs and relatively weak springs to facilitate lifting the ramp to its uppermost position. The strong springs reach the limit of expansion just before completion of upward swing of the ramp. The weak springs then function to assist completion of the upward swing. The counterbalance comprises a pair of spaced parallel tubular housings, each containing a strong and a weak spring. The ends of the housings are connected by head plates which are provided with cylindrical cups deep enough to completely contain the weak springs when they are fully compressed. A fixed and a movable multiple-pulley sheave are mounted between the tubular housings. A cable is wound around the sheaves to draw them together against the tension of the springs when the load end of the cable is pulled. (Owner) A. Hicks, Box 883, Dania, Fla. Groups 35—62; 37—31—32. Reg. No. 9,050.

Pat. 2,429,378. MOTORIZED POWER UNIT. Patented Oct. 21, 1947. A motorized wheeled unit having a front and rear adjustable supporting frame to which various implements, such as a rotary grass cutter, roller, harrow, etc., may be removably connected and driven. A flat pulley is provided for driving various other tools. The unit has a rectangular platform with stringers attached to its underside at opposite sides. The front and rear supporting frames are mounted on the ends of the stringers. An elongated rearwardly extending handle for guiding the unit is hinged midway of its length so that its rear section may be actuated downwardly to vertical position to coast with the ground wheels to support the platform in horizontal position. Each ground wheel has a separate clutch controlled by a cross bar on the handle so that they may be simultaneously or separately driven. The unit is provided with numerous sprocket and chain driving connections. (Owner) Ruben Stuebner, 1605 South Santa Anita Ave., Arcadia, Calif. Group 35—21—66—69. Reg. No. 9,051.

Des. Pat. 147,956. DESIGN FOR A ROSARY. Patented Nov. 25, 1947. This rosary features transparent spherical beads, through each of which may be seen a religious image in contrasting color. The beads may be made of glass or plastic. (Owner) George R. Burck. Address correspondence to Peter F. Keefe, 1015 N Street N. W., Apt. 302, Washington, D. C. Groups 32—98; 39—61—81. Reg. No. 9,052.

The following three patents relating to tube structure for television and like structures are owned by David Applebaum, #5 at 1547 North Palm Canyon, Palm Springs, Calif. Group 36—81.

Pat. 2,030,492. GLOW TUBE CONTROL SYSTEM. Patented Feb. 11, 1936. Reg. No. 9,053.

Glow tubes, used in forming images in television receivers, etc., require high voltages to overcome the lag of light variations behind current variations, due, in some cases, to the viscosity of the gas which fills the tube. This lag may be avoided by the construction of a double-sectioned tube, one section of which is filled with

gas and sealed against the other section by a thin membrane, to prevent gas exchange. The other section, which is evacuated, houses an anode, cathode, and other electron-generating parts of the tube. The gas-filled section is caused to glow by electrons generated in the evacuated section which are able to ionize the gas at much lower voltages.

Pat. 2,048,094. TELEVISION RECEIVER. Patented July 21, 1936. Reg. No. 9,054.

This patent describes a tube for a television receiver which emits an X-ray type beam instead of the usual bright source of illumination. The short wave radiations of intense penetrating power impinging on a fluorescent screen are converted to light rays which persist for a longer period than the conventional light source. This produces a steady flickerless image in that the screen remains illuminated for a period sufficient to bridge the period of persistence of vision.

Pat. 2,294,533. ELECTRONIC EMISSION DEVICE. Patented Sept. 1, 1942. Reg. No. 9,055.

A double-sectioned evacuated tube structure makes possible an amplified power output by utilizing high potential differences between a set of electrodes in each of the sections. Increased electronic intensity is partially due to an arrangement in which a number of electric fields are created which act upon a common electronic stream. One of the sections includes a conventional triode in which a potentiometer connection is formed. An anticathode is formed in the other section of the tube to receive at least a portion of the electronic stream. In the latter section a tubular electrode is included, the opening of which is small in comparison to its length. This electrode directs and accelerates the electron stream and also serves as an electrostatic shield to prevent the potential of the anticathode from affecting the operation of the triode.

Pat. 2,428,244. FLEXIBLE ARCH SUPPORT. Patented Sept. 30, 1947. An arch supporter and inner sole designed to reduce foot shock in walking and relieve the instep of pressure when the foot is at rest. An insole comprises a toe plate, an arch support, and a heel plate, all hingedly connected. A pair of upwardly arched plates overlap slidably at the center of the arch and are hinged to the toe and heel plates respectively, each having a lever end adjacent the hinges. A taut elastic cover is stretched the entire length of the insole to press down on the hinged ends when pressure is relieved from the arch and to protect the foot from the sliding action of the overlapping plates. Sponge rubber fillers are seated under the cover in the recesses formed by the contour of the arch plates and in the space under the plates. (Owner) Duane Roles, Box 133, Toledo, Oreg. Group 39—16. Reg. No. 9,056.

Pat. 2,197,382. DISHWASHING MACHINE. Patented Apr. 16, 1940. An economically operated electric dishwashing machine and water-heating tank with valve controlled means for delivering a moderate supply of clean hot water in each washing cycle. The motor starts with the closing of the door to the wash chamber. The water is automatically turned on and soap supply measured and evenly distributed into the water. Clean hot water is forcibly thrown in whirling jets upon all sides of the dishes and then gravitates to bottom of wash chamber and passes through a strainer to a waste pipe. (Owner) Joseph M. Murphy, % U. S. V. A. Center, Biloxi, Miss. Group 35—89. Reg. No. 9,057.

Pat. 2,429,572. TEMPERATURE ALARM. Patented Oct. 21, 1947. A simple circuit closer and temperature alarm which may be set for a predetermined temperature, to be used in brooders, incubators, or hothouses. The alarm mechanism includes contacts carried by strips of conductive material so mounted that one may move toward the other closing a circuit through conductor wires attached

to fasteners on supporting brackets. Movement of the strips is controlled by a thermostat so that when a predetermined variation in temperature occurs a bell is sounded or a light flashed. (Owner) Andy H. Visocan, Box 68, Raynesford, Mont. Groups 25—99; 33—69; 36—19. Reg. No. 9,058.

Pat. 2,113,908. TRAP. Patented Apr. 12, 1938. An insect or rodent trap is attached, as a cover, to a garbage can, the contents of which act as bait. The trap has a perforated false bottom held removably by a sleeve extending from a central opening in the top. Several doorways lead to compartments which extend radially from the sleeve. Compartments have mesh-covered openings at farther end admitting daylight, and trap gate units which admit insects or rodents, then close to trap them therein. Parts are easily disassembled for cleaning, and gate units are varied to admit flies or rodents. (Owner) Frank L. Thompson, Rt. 4, Box 158-D, Oklahoma City, Okla. Group 33—59—73. Reg. No. 9,059.

Pat. 2,427,143. BROKEN LINE MAKING ATTACHMENT FOR DRAFTSMEN'S SCALES. Patented Sept. 9, 1947. A tool to be attached to a draftsman's scale to produce uniform broken lines. A carriage of thin flexible material, having a wedge-shaped slot for insertion of a marking implement, extends over the top of the scale and has prongs which project into grooves in the sides of the equilateral triangle. The carriage is supported on a cam wheel. As the user moves the carriage along the scale, the wheel rotates and the teeth periodically lift the pencil, uniformly interrupting the line being scribed. (Owner) Donald G. Jackson, 384 Ashtabula St., Pasadena 6, Calif. Group 39—11—54. Reg. No. 9,060.

Pat. 2,229,575. BATH PROTECTOR FOR ARTIFICIAL LIMBS. Patented Jan. 21, 1941. A waterproof protector for an artificial limb, to be worn in shower or bath. A bag or sleeve has foot portion, with stiff or flexible sole, directly vulcanized or otherwise made watertight. The bag is of proportions to be easily drawn over the artificial foot and leg portions. It is gathered at top by drawstring and sealed by wide elastic waterproof band fastened by snaps. The protector may be made of rubberized cloth or oiled silk. (Owner) Aaron Kaplan, 203 Williamsburg Rd., Ardmore, Pa. Groups 23—86; 30—41. Reg. No. 9,061.

The following five patents relating to shoemaking processes are owned by William H. Doherty, 8843 62d Drive, Elmhurst, N. Y. Groups 30—21—22; 31—41; 35—59.

Pat. 2,386,667. SHOE SOLN. Patented Oct. 9, 1945. Reg. No. 9,062.

The shoe sole described in this patent has a frame upon which any material such as rubber, plastic, or leather may be molded or otherwise built. The sole is flexible longitudinally and is designed not to curve or warp laterally, thus insuring better service and more even wearing.

Pat. 2,406,005. SOLE AND HEEL FORMER. Patented Aug. 20, 1946. Reg. No. 9,063.

An integral sole, shank, and heel may be molded on footwear by means of this device. It consists of a single flexible band having overlapping ends which are drawn into the shape of the various portions of the integral sole by ratchet and screw means so that it assumes the marginal outlines of the sole, heel, and shank. In use, the device is mounted on the sole of the footwear by nails, after which rubber or plastic may be poured into the mold in the conventional manner. The device may be used by the shoe-repair man to re-sole or re-heel worn footwear.

Pat. 2,406,350. VACUUM LAST AND SOLE FORMING MACHINE. Patented Aug. 27, 1946. Reg. No. 9,064.

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This machine for soling or repairing shoes features a flexible band which outlines the sole of the shoe being repaired and a vacuum last which may be adjusted to conform with the original last upon which the shoe was made. When the shoe is placed on the last, it is first sterilized by steam, after which vacuum is applied so that the inner sole adheres to a foot plate. This flattens the inner sole so that a level rubber or composition sole may be poured within the band and set by heat. Provision is made for an instep plate which may be inserted to form the edge of the heel and a foot and heel plate which may be interchanged for right or left shoes.

Pat. 2,408,413. SUPPORTING FRAME FOR ARTICLES OF FOOTWEAR. Patented Oct. 1, 1946. Reg. No. 9,065.

This patent relates to a supporting frame for footwear upon which a rubber or plastic sole, shank, and heel may be fabricated so that the entire foot is substantially supported by the shoe. The frame may be made of a single wire wound in labyrinthine fashion to form heel, shank, arch, and counter parts.

Pat. 2,421,019. SUPPORTING FRAME FOR ARTICLES OF FOOTWEAR. Patented May 27, 1947. Reg. No. 9,066.

This patent is somewhat similar to Patent 2,408,413 (Reg. No. 9,065) and describes a supporting frame for a demountable heel for shoes. It embodies a spring wire frame embedded within the heel which includes a hollow portion between upper and lower sections. The hollow may be filled with sponge rubber if desired.

Pat. 2,272,112. STOVE LID LIFTER. Patented Feb. 3, 1942. A stove-lid lifter featuring a handle designed to protect the hand from being burned. The lifter is of conventional design, with a prong at one end to engage the eye of a stove lid. The handle, which is in the form of an open rectangle somewhat resembling a flatiron handle, is attached to a horizontal portion at other end of lifter. A shield of insulating material is spaced by washers between the handle and body, forming an air space on either side of shield. The handgrip is made of wood or fibre. (Owner) William A. Edington, Keatchie, La. Groups 33—59—62; 40. Reg. No. 9,067.

Des. Pat. 147,504. COMBINED CLOCK AND PHOTO MOUNT. Patented Sept. 16, 1947. This combination mounting features a clock in center position with two medallion-like photograph enclosures on each side. (Owner) Stanley F. Miller, 1736 East 14th St., Oakland 6, Calif. Groups 25—96; 34—61; 40. Reg. No. 9,068.

Des. Pat. 147,772. UNIT COMBINATION DINING TABLE AND CHAIRS. Patented Oct. 28, 1947. This unit combination shows a table in the form of a Greek cross with a chair fitting into each corner and facing one arm of the cross. (Owner) Tollie L. Williamson, Little Rock Restaurant Supply Co., 813 East 2d St., Little Rock, Ark. Group 25—11—14. Reg. No. 9,069.

Pat. 2,427,522. SHINGLE AND SHINGLE COVERING. Patented Sept. 16, 1947. An L-shaped shingle, fabricated from sheets of suitable waterproof material, which is reversible, thus enabling selection of one of two designs for a shingled surface. Inventor states that a shingle approximately 30" long and 15" wide at widest part has proved economical. The short leg of the L has a self-aligning straight edge, and the long leg has two tabs with a recess between. Thus guides are provided for laying one row of shingles in staggered overlapping relation on the preceding lower row. The broad end of one shingle abuts narrow end of another. (Owner) Carl V. Cesary, % Jacksonville Tile Co., 316 Riverside Ave., Jacksonville 4, Fla. Groups 24—23; 29—32; 32—92. Reg. No. 9,070.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING DECEMBER, 1947.

R. C. WILLIAMS & COMPANY, INC., v. SOL LENZNER CORPORATION, Opposition No. 24,544.

In a decision rendered December 1, 1947 (169 Ms. Dec. 508, 75 USPQ 293), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the opposition of R. C. Williams & Company, Inc., of New York, N. Y., based upon the likelihood of confusion in trade, because of its use of the trade-mark "TERNAY" and its ownership of registration for that mark No. 107,351 for sardines, registered November 23, 1915, under the act of February 20, 1905, and renewed, to the application of Sol Lenzner Corporation, of Buffalo, N. Y., for registration under the act of February 20, 1905, of the trade-mark "Ter-A" for pickled herring, upon the ground that the products covered by the application and the registration have the same descriptive properties, and that the marks involved bear such near resemblance as to be reasonably calculated to cause confusion in trade.

In response to applicant's argument that opposer's mark was not in use at the time of filing the notice of opposition, and in fact was not in use for ten years previous, because of which applicant contends that opposer has abandoned and discontinued use of its mark, and that the confusion-in-trade clause on which the opposition is based cannot apply in this case, it was held that examination of the record discloses no basis for applicant's statements as to nonuse and abandonment, and the record contains nothing tending to establish an intention on the part of opposer to abandon the mark, so that opposer's conceded ownership of the registration seems controlling, and the words of the marks appear to be so similar that no discussion nor citation of authorities is required to hold that the Examiner of Interferences was correct in finding them to bear such near resemblance as to be reasonably calculated to cause confusion in trade.

MURRAY M. ROSENBERG, INC. (MILES SHOES INCORPORATED, BY CHANGE OF NAME) v. ARTVOGUE SPORTS-WEAR CO., Opposition No. 24,696.

In a decision rendered December 1, 1947 (169 Ms. Dec. 510, 75 USPQ 292), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the opposition of Murray M. Rosenberg, Inc. (Miles Shoes Incorporated, by change of name), of New York, N. Y., based upon the confusion-in-trade clause and its prior use and ownership of registration No. 343,075, registered February 9, 1937, under the act of February 20, 1905, comprising the words "ARCH-VOGUE" and an arch design, for use on shoes, slippers and boots

of leather, fabric and combinations thereof, spats, and shoe findings—namely, heels, inner and outer soles, uppers, tongues, and toe caps, the word "VOGUE" being disclaimed, to the application of Artvogue Sport Co., of San Francisco, Calif., for registration of the words "Artvogue of California," under the act of February 20, 1905, for use on men's and boys' dress and sport shirts, the words "of California" being positioned below the word "Artvogue," and being disclaimed apart from the mark as shown, on the ground that the marks are so nearly alike in sound and appearance that concurrent use is likely to result in confusion in the minds of the public.

After noting that applicant concedes that the goods are in the same general class, but contends that they are specifically different, and that this combined with the dissimilarities in the marks renders confusion in trade unlikely, it was held that the doctrine of cumulative differences applies only when the marks are substantially different.

In response to applicant's argument that opposer has disclaimed the descriptive word "VOGUE" in its registration, it was held that this is immaterial, nor does the inclusion of the words "of California" in applicant's drawing affect this, so that the Examiner of Interferences was right in ruling that "Artvogue" and "ARCH-VOGUE" are so nearly alike both in sound and appearance that their concurrent use would be likely to result in confusion in the mind of the public.

EX PARTE ZIFF-DAVIS PUBLISHING COMPANY, Serial No. 485,518.

In a decision rendered December 2, 1947 (169 Ms. Dec. 511, 75 USPQ 294), *Assistant Commissioner Murphy* affirmed the action of the Examiner of Trade-Marks refusing to register, under the act of February 20, 1905, to Ziff-Davis Publishing Company, of Chicago, Ill., the mark "MAMMOTH MYSTERY" as applied to a magazine of fiction, use being claimed since November 21, 1944, on the ground that it is dominated by the descriptive word "MYSTERY" and is confusingly similar to the trade-mark "THE ILLUSTRATED DETECTIVE MAGAZINE MYSTERY" registered October 4, 1932, applied to a periodical, the words "The Illustrated Detective Magazine" being disclaimed.

It was held that "MYSTERY" is the dominant portion of applicant's mark and is furthermore descriptive of the class of story one would expect to find in a magazine so titled.

It was held that while applicant, after repeated refusals to register on the ground of descriptiveness, has disclaimed the word "MYSTERY," such dis-

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claimer cannot have the effect of avoiding the ground of refusal to register when it attempts to remove the essential and dominant feature of the mark.

It was held that the marks are confusingly similar and that their concurrent use on books or magazines of fiction, whether published periodically or not, would be likely to cause confusion and deception of purchasers and the public.

In response to applicant's argument that its prima facie showing of abandonment of the registration relied upon was not negated by the affidavit of Helen Myer, it was held that the uncontroverted statements in the affidavit of the vice president of the Dell Publishing Co., Inc., assignee of the mark, are sufficient to establish use and, furthermore, to show lack of intention to abandon the mark, and they constitute a sufficient showing to overcome applicant's prima facie showing of abandonment, so that the applicant's mark was properly denied registration on the ground that it is dominated by the descriptive word "MYSTERY" and is confusingly similar to the registered mark.

EX PARTE THE MUNISING PAPER COMPANY, Serial No. 477,076.

In a decision rendered December 5, 1947 (169 Ms. Dec. 515, 75 USPQ 323), *Assistant Commissioner Murphy* affirmed the action of the Examiner of Trade-Marks refusing to register to The Munising Paper Company, of Munising, Mich., under the act of February 20, 1905, the trade-mark "Paragon Precision Made Duplicator Papers," applied to duplicator papers for hectograph use, in the mark as shown by the drawing and specimens the letter "P" of the word "Paragon" being made in the form of a micrometer screw, on the ground that the expression "Precision Made Duplicator Papers" is descriptive of the goods, and further that the arbitrary and dominant part of the mark, the word "Paragon," is similar to the word "Paragon," which is the mark of the prior registration applied to duplicating sales books.

It was held that the mark applied for is confusingly similar to the registered mark "Paragon," for applicant has no right to exclusive use of the expression "Precision Made Duplicator Papers," since it is obviously descriptive of the goods, and should have been disclaimed, so that the only word in the mark that has any trade-mark significance is the word "Paragon," and while applicant has somewhat differently displayed the word "Paragon," the more important consideration is the sound rather than the appearance.

It was further held that while there is admittedly a specific difference in the two items to which the two marks are respectively applied, nevertheless, both belong to the broad class of stationery and are goods of the same descriptive properties.

It was held that the fact that applicant has procured consent to register from the prior registrant whose registration is cited as a reference does not alter the situation.

EX PARTE W. A. SHEAFFER PEN COMPANY, Serial No. 439,297.

In a decision rendered December 8, 1947 (169 Ms. Dec. 519, 75 USPQ 326), *Assistant Commissioner Daniels* granted a petition from the action of the Examiner of Trade-Marks who had refused to enter a proposed amendment, filed July 5, 1947, in the application of W. A. Sheaffer Pen Company, of Fort Madison, Iowa, filed under the act of February 20, 1905, the Examiner's refusal of registration as descriptive of the goods having been affirmed by the Commissioner of Patents (573 O. G. 558, 65 USPQ 171), and the Commissioner's decision having been affirmed by the U. S. Court of Customs and Patent Appeals (596 O. G. 142, 34 CCPA 771, 72 USPQ 129) on December 9, 1946, the amendment seeking to comply with and obtain registration of the mark under the provisions of section 2(f) of the act of 1946, on the ground that the prosecution of this application before the Patent Office was regarded as closed in view of the decision of the U. S. Court of Customs and Patent Appeals, and that it is therefore not considered practicable to convert the application to an application to register under the new act, but denied the petition to the extent that it requests that the Head of Trade-Mark Operations be directed to publish the mark of said application as entitled to registration under section 2(f) of the act.

It was held that at the time the proposed amendment was filed petitioner's application was "pending in the Patent Office" and that it is "practicable" to enter the amendment to bring the application under the provisions of the Trade-Mark Act of 1946, as provided by section 47(a) thereof.

It was further held that, once the amendment is entered, whether the mark of the application may be registered under section 2(f) of the Trade-Mark Act of 1946 is a matter which will be subject to examination by the Examiner of Trade-Marks in the first instance.

EX PARTE JEAN DESPREZ, Serial No. 494,042.

In a decision rendered December 10, 1947 (169 Ms. Dec. 526, 75 USPQ 330), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Jean Desprez, of Paris, France, the mark "VOTRE MAIN" for perfumes and rouges, under the act of February 20, 1905, on the basis of a prior registration for the trade-mark "VOTRE BEAUTE" for numerous cosmetics and toilet preparations.

After noting that the similarity of the goods is not questioned, it was held that taken as a whole applicant's mark is so similar to that of the reference cited that it is considered to be likely to cause confusion or mistake in the mind of the public when used on goods of the same descriptive properties.

It was further held that the fact that applicant has filed a "consent" to registration by the owner of the mark cited as a basis for refusal of the registration is immaterial.

EX PARTE ZIFF-DAVIS PUBLISHING COMPANY, Serial No. 485,519.

In a decision rendered December 12, 1947 (169 Ms. Dec. 528, 75 USPQ 331), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Ziff-Davis Publishing Company, of Chicago, Ill., the mark "MAM-MOTH WESTERN" for a periodical, under the Trade-Mark Act of 1905, in view of prior registrations disclosing, respectively, the following trade-marks, all of which are used upon goods described substantially the same as applicant's:

"Western Story Magazine"
"Complete Western Book Magazine"
"Western Novel and Short Stories"
"Double Action Western"
"Western Fiction Magazine"
"All Western"
"Red Seal Western" with representation of a seal
"Double Action Western"

It was held that nothing more than an examination and comparison of the marks is required to indicate their similarity, notwithstanding applicant's argument that its mark is believed to differentiate more from the prior registrations than they differ from each other.

It was further held that as the application is made under the act of 1905, if therefore registration had not been refused on the basis of the references cited, it should have been refused on the basis of descriptiveness, since applicant's notation would simply indicate a very large publication of the type indicated by a quoted dictionary definition of the term "Western."

AMERICAN CHEWING PRODUCTS CORPORATION v. GUMMAKERS OF AMERICA, INC., Cancellation No. 4984.

In a decision rendered December 12, 1947 (169 Ms. Dec. 532, 75 USPQ 333), *Assistant Commissioner Daniels* denied a petition filed by the party Gummakers of America, Inc., of New York, N. Y., respondent in a cancellation proceeding instituted by American Chewing Products Corporation, of New York, N. Y., stating that the Interference Examiner substantially denied petitioning party's right to discovery under the Rules of Civil Procedure, and requesting that the Examiner be instructed to permit petitioning party full discovery to establish abandonment and lack of use.

After noting that although the petition refers to the denial of the right to discovery only in general terms, examination of the record discloses that the action complained of is that of the Examiner of Interferences in sustaining the objections of the party American Chewing Products Corporation to the majority of the interrogatories which were filed by petitioner under Rule 33 of the Federal Rules of Civil Procedure, and that Rule 23.1 of the Rules of Practice in Trade-Mark cases of the United States Patent Office provides that the Rules of Civil Procedure for the district courts of the United States shall govern in contested or inter partes proceedings wherever considered applicable and appropriate, it was held that while the right of a party to discovery should be granted liberally under such

rules, the specific application of them is a matter for consideration in each individual case.

It was further held that interrogatories under Rule 33 are proper when the issues of abandonment and lack of use are properly in question, which the petitioner states to be the case here, but the extent to which particular interrogatories are material and proper under the applicable rules in a cancellation proceeding is a matter to be decided by the Examiner of Interferences.

It was held that detailed review of rulings with respect to interrogatories in a proceeding of this kind cannot be obtained by petition, since this would amount to an interlocutory appeal, which is not provided by law; and that supervisory action by petition should be taken with respect to these matters only in case of abuse of discretion depriving the petitioning party of substantial rights; but here examination of the record discloses no abuse of discretion.

SCHERING CORPORATION v. THE NATIONAL MINERAL COMPANY (BY CHANGE OF NAME, HELENE CURTIS INDUSTRIES, INC.), Opposition No. 24,109.

In a decision rendered December 12, 1947 (169 Ms. Dec. 528, 75 USPQ 332), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of Schering Corporation, of Bloomfield, N. J., to the application of The National Mineral Company (by change of name, Helene Curtis Industries, Inc.) of Chicago, Ill., to register the words "Her Highness" as applied to cold permanent hair waving kits including all of the several chemicals, in individual containers, used in the cold waving process and sold together as a unit in a common package; and preliminary lotion and waving compound subject to sale apart from the kits, although usually included in the kits. Opposer alleged ownership and prior use of the trade-mark "H. R. H." for goods of the same descriptive properties and based its opposition on the probable damage under the confusion-in-trade clause, showing that it is the owner of trade-mark registrations for the letters "H. R. H." for face powder and for the letters "HRH" for perfumes, cologne, bath salts and sachets, and establishing by testimony its prior use of the mark "H. R. H." no question of the use of this notation prior to applicant's use of "Her Highness" being raised by applicant.

In response to applicant's contention that the goods of opposer and of applicant are dissimilar in all respects, applicant's goods being a cosmetic, and the other a toilet preparation, it was held that this is clearly a matter of words and no such fine distinction can be considered.

In response to applicant's contention that opposer's goods are sold to the public through retail outlets, while applicant's are sold only to beauty shops and to beauty parlor operators, it was held that the different outlets of sale is not a matter of record; that while sale in the same establishment is frequently one element of a showing of likelihood

of confusion, it is not the only consideration; and that either party might change its marketing methods at any time.

In response to applicant's argument that there can be no confusion in trade unless the goods possess the same descriptive properties, it was held that the goods are considered to be of the same descriptive properties within the meaning of the statute.

In response to applicant's contention that the marks are not alike, it was held that "H. R. H." is a generally recognized abbreviation for "Her Royal Highness," so that the meaning of the marks of the parties is the same, and since the goods possess the same descriptive properties, it follows that concurrent use would be likely to cause confusion in trade and deception of purchasers.

UNTERMAYER, ROBBINS & COMPANY v. NEW ENGLAND GLASS WORKS (NEW ENGLAND GLASS WORKS, INC., ASSIGNEE, SUBSTITUTED), Cancellation No. 4719.

In a decision rendered December 12, 1947 (169 Ms. Dec. 534, 75 USPQ 334), *Assistant Commissioner Daniels* denied a petition by the party Untermeyer, Robbins & Company, of New York, N. Y., petitioner for cancellation of the trade-mark registration of New England Glass Works (New England Glass Works, Inc., Assignee, Substituted) of Providence R. I., stating that the Interference Examiner substantially denied petitioning party's right to discovery under the Rules of Civil Procedure, without pointing out what right of discovery is referred to, requesting that the Examiner be instructed to permit petitioning party full discovery to establish abandonment and lack of use.

After outlining the previous history of the case, with the conclusion that the petition now under consideration therefore asks that the Examiner be instructed to permit the discovery requested by interrogatories, requests for admissions and motion under Rule 34, Federal Rules of Civil Procedure, which are presented on the same documents and affidavits originally filed (except as the motion under Rule 34 is modified slightly) and as to which one petition and supplemental petition have already been denied by the First Assistant Commissioner, it was held that no specific error on the part of the Examiner and no change of situation other than the amendment to this petition for cancellation are presented by the petition or disclosed by examination of the record and that no abuse of discretion on the part of the Examiner being apparent from such review, the petition must be denied.

It was held that the rules governing interrogatories and other procedures for discovery should be liberally construed, but these specific requests for discovery have been passed upon and refused twice by the Examiner of Interferences and once by the First Assistant Commissioner of Patents; petitions should not be used as a substitute for interlocutory appeal which is not permitted under the statute or rules.

It was further held that the action of the Examiner in permitting amendment of the petition for

cancellation and resetting the times for taking testimony appears to have given petitioner full opportunity to present its case and obviously did not contemplate reopening matters already decided on prior petitions.

RAYMOND LABORATORIES, INC., v. DUART MANUFACTURING CO., LTD., Opposition No. 24,297.

In a decision rendered December 16, 1947 (169 Ms. Dec. 537, 75 USPQ 361), *Assistant Commissioner Daniels* denied a motion by the applicant, Duarte Manufacturing Co., Ltd., of San Francisco, Calif., in an opposition proceeding instituted by Raymond Laboratories, Inc., of St. Paul, Minn., to remand for the purpose of taking testimony relating to newly discovered evidence, where an appeal from the decision of the Examiner of Trade-Mark Interferences had been taken and is set for hearing, the alleged newly discovered evidence being based upon statements in a trade publication announcing change of management of Raymond Laboratories, Inc., in which it is stated that a certain brand name of the opposer is being retained by another corporation of which opposer was apparently a subsidiary, and an advertisement by opposer, in a similar publication which it is stated indicates intent to concentrate on sales through beauty shops rather than direct to the public through retail channels.

It was held that it is not considered that the facts which opposer proposes to prove in the event the case is remanded for taking testimony relating to this newly discovered evidence would affect the decision involved, so that the motion was denied, without prejudice, however, to applicant's right to further consideration of this motion at the time of final hearing of the appeal, if examination of the entire record discloses a basis for such further consideration.

THE ENRO SHIRT COMPANY v. RAYTRON FABRICS INC., Opposition No. 24,698.

In a decision rendered December 17, 1947 (169 Ms. Dec. 540, 75 USPQ 362), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the opposition of The Enro Shirt Company of Louisville, Ky., to the application of Raytron Fabrics Inc., of New York, N. Y., for registration, under the act of 1905, of the mark "RAYTRON" for piece goods of cotton and other materials, based upon its prior registration of "RAYTONES" as a trade-mark for men's pajamas and on the confusion-in-trade clause as basis for probable damage, the only questions presented being similarity of the products and the marks involved.

It was held that the Examiner of Interferences was right in ruling that it is manifest that the opposer's pajamas and the piece goods of applicant are closely related in character and possess the same descriptive properties and that "RAYTONES" and "RAYTRON" are so nearly identical in both sound and appearance that their concurrent use would be quite likely to result in confusion in the minds of the public.

EX PARTE EDWIN E. BERLINER & Co., Serial No. 481,609.

In a decision rendered December 22, 1947 (169 Ms. Dec. 543, 76 USPQ 9), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Edwin E. Berliner & Co., of New York, N. Y., under the Trade-Mark Act of 1905, a trade-mark for woven piece goods, of cotton and other fabrics, in view of a prior registration showing the word "Fairway" which appears above a pictorial scene depicting a golfer on a golf course, applied to fabrics, applicant's mark consisting of a distinctive circular border, the words "A Fair-Play Fabric," a representation of a scales in balance and the words "Quality," and "Value" on opposite sides of the scales, the words "Quality," "Value" and "Fabric" being disclaimed apart from the mark as shown.

It was held that the Examiner was right in ruling that "Fair-Play" and "Fairway" are so similar that when used on goods of the same descriptive properties, there is likelihood of confusion or mistake in the mind of the public, and that applicant's mark, considered in its entirety, was properly rejected on the basis of the reference cited, for the addition of other words or features cannot permit registration when words similar to one of the essential features of a registered mark are included.

COSMETICS INC. v. COTY, INC., Opposition No. 28,019.

In a decision rendered December 22, 1947 (169 Ms. Dec. 541, 76 USPQ 8), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences granting the motion of the applicant, Coty, Inc., of New York, N. Y., applicant's mark consisting of the words "Ballerina Slipper," applied to certain cosmetic products, to dismiss the notice of opposition filed by Cosmetics, Inc., of Nashville, Tenn., under Rule 12(b) (6) of the Rules of Civil Procedure on the ground that the notice of opposition fails to state a claim upon which relief can be granted.

After referring to opposer's allegations in the notice of opposition, it was held that there is no allegation of use of any mark similar to that of applicant by anyone prior to the filing date of the application opposed, and no allegation that opposer has used the trade-mark either in advertising or upon the goods at any time; even had it been alleged that the president of the corporation had used the mark prior to the applicant's filing date, there is nothing to indicate that this could or should inure to the benefit of opposer.

It was further held that a proposed amendment filed by opposer long after the statutory period for filing notice of opposition had expired and purporting to allege that opposer had acquired the rights of its president, cannot cure the deficiency of the notice of opposition both because of the expiration of such time and because the notice of opposition did not allege prior use on the part of its president.

JU-C-ORANGE OF AMERICA v. PENRITH-AKERS MANUFACTURING Co., Cancellation No. 4455.

In a decision rendered December 24, 1947 (169 Ms. Dec. 549, 76 USPQ —), *Assistant Commissioner Murphy* affirmed the action of the Examiner of Interferences sustaining the petition of Ju-C-Orange of America, of Lebanon, Pa., based upon its prior use and ownership of a registration of the mark "Ju-C-Orange," with disclaimer of the word "Orange," for nonalcoholic beverages, particularly an orange drink of the orangeade type employing plain and carbonated water, to cancel trade-mark registration No. 366,461, of Penrith-Akers Manufacturing Co., of Minneapolis, Minn., consisting essentially of the notation "Ju-See" for use on nonalcoholic, noncereal, maltless beverages, sold as soft drinks and sirups and extracts for making the same.

It was held that the practical identity of the goods has been admitted and that since the dominant features of the two marks are exactly alike in sound and very similar in appearance, it appears almost certain that their concurrent use on goods of the same descriptive properties would be likely to cause confusion in trade and deception of purchasers.

In response to respondent's contention that if the registration of the mark "Ju-C-Orange" is held invalid in a copending cancellation proceeding it was invalid ab initio and hence this petition for cancellation should be dismissed, it was held that the question of invalidity of the registration upon which petitioner relies is immaterial, and petitioner has only been obligated to establish its allegation of priority.

PENRITH-AKERS MANUFACTURING Co. v. MAX KRIM (JU-C-ORANGE OF AMERICA, ASSIGNEE, SUBSTITUTED), Cancellation No. 4593.

In a decision rendered December 24, 1947 (169 Ms. Dec. 546, 76 USPQ —), *Assistant Commissioner Murphy* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the petition of Penrith-Akers Manufacturing Co., of Minneapolis, Minn., to cancel trade-mark registration No. 276,210 of Max Krim (Ju-C-Orange of America, Assignee, Substituted), of Lebanon, Pa., disclosing the notation "Ju-C-Orange," with disclaimer of the word "Orange," for nonalcoholic beverages, particularly an orange drink of the orangeade type, employing plain and carbonated water, on the ground of descriptiveness, opposer being the owner of registration No. 366,461 in which the mark consists essentially of the notation "Ju-See" for use on nonalcoholic, noncereal, maltless beverages, sold as soft drinks and sirups and extracts for making the same.

In response to respondent's contention that its mark is fanciful it was held that it appears clear that the notation "Ju-C" is merely a misspelling of the word "juicy" and that when used with the word "Orange" and applied to an orange drink, it describes a desirable characteristic of oranges, which are used in making the beverage, so that there would appear nothing fanciful about the mark.

In response to respondent's contentions that petitioner has shown no actual damage and that petitioner's mark "Ju-See" has been abandoned, it was held that the submission of a label tending to show that petitioner has allowed another to perform one step in the marketing process of its goods does not imply that petitioner, the owner of the mark applied to the finished product, has abandoned or intended to abandon its mark, and that actual damage need not be shown, since injury will be presumed to follow from the improper registration of a descriptive word.

ROY BALDWIN v. MAX KRIM (JU-C-ORANGE OF AMERICA, ASSIGNEE, SUBSTITUTED), Cancellation No. 4594.

In a decision rendered December 24, 1947 (169 Ms. Dec. 552, 76 USPQ —), *Assistant Commissioner Murphy* affirmed the action of the Examiner of Interferences sustaining the petition of Roy Baldwin, of Columbus, Ohio, based upon his previously adopted and registered mark "U-See" applied to nonalcoholic, maltless beverages and extracts or sirups for producing the same, to cancel trade-mark registration No. 276,210 of Max Krim (Ju-C-Orange of America, Assignee, Substituted), of Lebanon, Pa., comprising the notation "Ju-C-Orange," with the word "Orange" disclaimed, applied to nonalcoholic beverages, particularly an orange drink of the orangeade type employing plain and carbonated water.

It was held that the Examiner of Interferences was right in ruling that the mark "Ju-C-Orange" is merely descriptive of the goods with which it is used, as the fact that the word "juicy" is spelled phonetically cannot alter the meaning of the word.

Although the Examiner was not persuaded that confusion in trade would be likely to result, it was held that while there are differences in the appearance of the two marks "Ju-C-Orange" and "U-See," nevertheless such close similarity in the sounds of the marks exists that confusion in trade would be likely, notwithstanding that the mark of the respondent has been held descriptive, for there is no reason why there cannot be confusing similarity between a descriptive mark and an arbitrary one, so that since there is priority of ownership and use of the mark "U-See" by the petitioner, and since this mark is applied to goods of the same descriptive properties as is respondent's mark and there is such close resemblance in sound between the two marks that confusion or mistake would be likely in the minds of the public, the respondent's mark should not have been registered in view of section 5 of the act of 1905.

R. O. WILLIAMS & COMPANY, INC., v. LEONARD GORDON, Opposition No. 24, 221.

In a decision rendered December 31, 1947 (169 Ms. Dec. 557, 76 USPQ —), *Assistant Commissioner Daniels* affirmed the action of the Examiner of

Trade-Mark Interferences sustaining the opposition of R. O. Williams & Company, Inc., of New York, N. Y., to the application of Leonard Gordon, of Alhambra, Calif., for registration, under the Trade-Mark Act of 1905, for macaroni, egg noodles, and spaghetti, of a mark consisting of a pictorial representation of an elf-like figure which applicant describes as an "Imp" in a circle, opposer claiming probable damage under the confusion-in-trade clause of the Trade-Mark Act of 1905, and alleging prior use and ownership of the mark "Brownie" as applied to a wide variety of food products, including canned fruit, fish and vegetables, flavoring extracts, cocoa, pickles, cornstarch, jellies, coffee and mayonnaise, opposer relying upon prior registrations in support of its claim of prior use.

While it was conceded that opposer has not used its "Brownie" trade-mark on macaroni, egg noodles, and spaghetti, it was held that there is no question but that the mark has been used on some or all of its products referred to above, including use on canned fruits, vegetables and fish, for many years prior to applicant's claimed date of use, and that under well-established rules as to similarity of goods, these food products are considered to have the same descriptive properties.

As to the similarity of the marks, it was held that, while applicant points out specific differences in the figures, nevertheless, side by side comparison shows them to be strikingly similar, not only in general appearance, but in specific features.

It was further held that opposer's mark, however, consists of the word "Brownie" and opposer would, therefore, be entitled to protection of both the word and the symbol, so that the marks are considered confusingly similar within the meaning of the confusion-in-trade clause.

After noting that applicant has presented by stipulation a number of registrations by third parties, it was held that such registrations are irrelevant.

In response to applicant's contention that the registrations must be considered under the provisions of section 19 of the Trade-Mark Act of 1946, applicant having presented at the argument of the appeal a proposed amendment which it was stated had been filed in this application purporting to convert it to one under the Trade-Mark Act of 1946, it was held that the Examiner of Trade-Marks will be instructed to refuse entry of the proposed amendment purporting to convert the applicant's application to the Trade-Mark Act of 1946; such filing during the appeal is contrary to the provisions of Rule 24.5 and will be disregarded.

Although it was held that applicant may, however, rely on any available "equitable principle" under section 19 of the Trade-Mark Act of 1946, which by its terms applies to proceedings pending in the Patent Office, nevertheless, there is no showing of estoppel, or even of laches, since there is nothing to indicate that opposer had any occasion or even opportunity to take any action prior to the publication of the mark; it is not apparent how the existence of registrations of others can constitute laches on the

part of the opposer, nor, if the alleged failure or neglect to oppose or cancel such registrations could amount to laches, how or why any such alleged delay as against any third party would inure to the benefit of applicant.

R. C. WILLIAMS & COMPANY, INC., v. LEONARD GORDON, Opposition No. 24,384.

In a decision rendered December 31, 1947 (169 Ms. Dec. 565, 76 USPQ —), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of R. C. Williams & Company, Inc., of New York, N. Y., to the application of Leonard Gordon, of Alhambra, Calif., for registration, under the Trade-Mark Act of 1905, of a mark for dried beans, dried fruits, nut meats, candy, rice, etc.

After noting that in opposition No. 24,221, supra, the mark for which applicant applied for registration consisted of an elf-like figure, or "Brownie," carrying a sheaf of wheat, for macaroni, egg noodles, and spaghetti, and that in the application here involved the same figure carrying a bag of dried beans, or similar products is involved, it was held that the issues are identical as to all essential matters with those involved in opposition No. 24,221, between these same parties, so that the comments made in the decision in that opposition apply to this proceeding and will not be repeated.

R. C. WILLIAMS & COMPANY, INC., v. LEONARD GORDON, Cancellation No. 4606.

In a decision rendered December 31, 1947 (169 Ms. Dec. 556, 76 USPQ —), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the petition of R. C. Williams & Company, Inc., of New York, N. Y., for cancellation of trade-mark registration No. 414,860, issued to Leonard Gordon, of Alhambra, Calif., the mark shown in the registration being a fanciful elf-like figure shown carrying a large apple bearing the words "Apple Orchard," the goods covered being dehydrated apples.

After noting that this proceeding was heard together with oppositions Nos. 24,221 and 24,384, supra, between these parties, and that the fanciful figure involved is the same, the only difference being that the apple carried by the figure, as shown in the respondent's registration, is larger in proportion to the figure than the food products carried by that figure in the marks involved in the opposition proceedings, it was held that the issues presented by

the parties and the proofs are the same and the brief differs only in formal matters, so that the comments made in the decision in opposition No. 24,221 apply to this proceeding and will not be repeated.

GOODALL-SANFORD, INC., v. MILLER BROS. HAT CO. INC., Opposition No. 24,517.

In a decision rendered December 31, 1947 (169 Ms. Dec. 562, 76 USPQ —), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of Goodall-Sanford, Inc., of Sanford, Maine, to the application of Miller Bros. Hat Co., Inc., of New York, N. Y., for registration under the Trade-Mark Act of 1905 as a trade-mark for men's hats the words "Palm Island" and a pictorial background including two palm trees, the opposition being based upon opposer's prior use and ownership of a trade-mark for piece goods consisting of the words "Palm Beach," with which appear two palm fronds, opposer claiming that it will be damaged under the confusion-in-trade clause of the Trade-Mark Act of 1905.

It was held that there appears to be no question but that opposer has used its trade-mark extensively and that goods bearing the mark have been advertised and sold in substantial quantities throughout the United States for many years prior to any use by the applicant of the mark sought to be registered. In response to applicant's contention that its goods are not of the same descriptive properties as the opposer's piece goods it was held that they appear to be closely related.

In response to applicant's further contention that "Palm Island" is not confusingly similar to "Palm Beach" and that the marks taken in their entirety are not similar, it was held that mere comparison of opposer's registration and that sought to be registered is sufficient to dispose of this contention, for both in sound and appearance, and in the suggestion of similar tropical scenes, they are regarded as so similar that their use on goods of the same descriptive properties would be likely to cause confusion or mistake in the mind of the public, the pictorial features adding to this likelihood rather than detracting from it.

It was further held that a prior decision in favor of a third party on a different record permitting registration of a different mark is not controlling here, nor can the fact that opposer's present contention may be inconsistent with its conduct at the time of obtaining its registration change this conclusion.

TRADE-MARKS OFFICIAL GAZETTE, JANUARY 27, 1948

[Vol. 606, No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 503,981. DOW CORNING CORPORATION, Midland, Mich. Filed June 15, 1946.

SILASTIC

FOR COMPOSITIONS IN PHYSICAL CHARACTER COMPARABLE TO MILLED AND COMPOUNDED RUBBER PRIOR TO VULCANIZATION BUT CONTAINING ORGANOSILOXANE POLYMERS AND FOR FORMS FABRICATED OF SUCH COMPOSITIONS IN THE FORMS OF TUBES, RODS, SHEETS AND THE LIKE.
Claims use since Nov. 18, 1944.

Ser. No. 507,845. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa. Filed Aug. 22, 1946.

DURAPLEX

FOR SYNTHETIC RESINOUS MATERIALS OF THE DRYING OIL-MODIFIED AND NON-DRYING OIL-MODIFIED ALKYD TYPE FOR USE IN THE MANUFACTURE OF PAINTS, VARNISHES, LACQUERS, ADHESIVES, FINISHES, FILMS AND PRINTING INKS.
Claims use since Oct. 11, 1930.

Ser. No. 516,416. PHILIP S. HOYT, INC., El Paso, Tex. Filed Jan. 27, 1947.

SILFLUFF

FOR COMPOSITION OF MATTER OF RAW OR PARTLY PREPARED MINERALS, FOR USE AS A FILLER AND INSULATOR FOR INCORPORATION IN PLASTIC, PAINTS, EMULSIONS, RUBBER, OILS, PLASTERS, BUILDING BLOCKS, TILE, ETC.
Claims use since Oct. 1, 1946.

Ser. No. 518,000. THE WILLIAM J. HOUGH CO., doing business as Prairie Wax Co., Chicago, Ill. Filed Feb. 24, 1947.

PRAIRIE WAX

Applicant disclaims exclusive right to use of the word "Wax" per se and apart from the mark.
FOR REFINED AND CRYSTALLIZED WAX HAVING PETROLEUM ORIGIN AND USED IN THE MANUFACTURE OF POLISHES, INKS, CARBON PAPER AND OTHER USES.
Claims use since Dec. 31, 1946.

Ser. No. 523,876. HENRY ZWIG, doing business as Plato-Cast Products, New York, N. Y. Filed June 9, 1947.

PLATOCAST

FOR PULVERIZED PRODUCT USED IN MAKING REFRACTORY MOLDS AND INVESTMENTS FOR CASTING METALS, PARTICULARLY AS A GENERAL REFRACTORY MOLDING COMPOSITION FOR MAKING JEWELRY.
Claims use since July 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 513,100. ROSS COLES & CO., INCORPORATED, Chicago, Ill. Filed Nov. 23, 1946.

Pot "LUCK"

No claim is made to the exclusive use of the word "Pot" apart from the mark as shown.
FOR METALLIC SPONGE FOR CLEANING METAL SURFACES.
Claims use since Nov. 1, 1945.

CLASS 5
ADHESIVES

Ser. No. 514,040. HULL FISH MEAL & OIL CO. LTD., Hull, England. Filed Dec. 11, 1946.

Procene

FOR GELATINE FOR USE AS AN ADHESIVE FOR INDUSTRIAL PURPOSES, AND PHOTO ENGRAVING GLUE.

Claims use since Nov. 17, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 505,858. ANATOLE ROBBINS, INC., Los Angeles and Hollywood, Calif. Filed July 18, 1946.

Neo-Diva

FOR FACIAL NIGHT CREAM.
Claims use since November 1945.

Ser. No. 511,166. C. F. KIRK COMPANY, New York, N. Y. Filed Oct. 19, 1946.

THI-LI-FER

FOR INTRAMUSCULAR INJECTION FOR THE TREATMENT OF CERTAIN ANEMIAS.
Claims use since January 1936.

Ser. No. 511,383. HARRY JOSEPH D'AMICO, doing business as D'Amico Fifth Avenue, New York, N. Y. Filed Oct. 24, 1946.

MISS KISS

by

D'Amico

Applicant disclaims the term "By D'Amico" apart from the mark.
FOR LIPSTICK.
Claims use since May 1946.

Ser. No. 514,070. SOCIÉTÉ DES PARFUMS RONSARD, Paris, France. Filed Dec. 11, 1946.

GRIGNAN

FOR PERFUMES, EAUX DE COLOGNE, AND TOILET WATER.

Claims use since February 1945.

Ser. No. 515,903. L. PERRIGO COMPANY, doing business as Supreme Pharmacal Company, Allegan, Mich. Filed Jan. 17, 1947.

Dentalets

FOR TOOTH POWDER IN TABLET FORM.
Claims use since June 21, 1946.

Ser. No. 518,314. OXFORD LABORATORIES, INCORPORATED, Dayton, Va. Filed Feb. 28, 1947.

surgivite

FOR VITAMIN PREPARATION.
Claims use since Apr. 8, 1946.

Ser. No. 518,315. OXFORD LABORATORIES, INCORPORATED, Dayton, Va. Filed Feb. 28, 1947.

interlin

FOR VITAMIN PREPARATION.
Claims use since Aug. 31, 1945.

Ser. No. 519,482. MIDO PRODUCTS, Torrance, Calif. Filed Mar. 24, 1947.

mido

FOR COMPOSITIONS CONTAINING PHOSPHORIC ACID FOR PHOSPHATIZING TREATMENT OF METALS.
Claims use since June 1, 1946.

Ser. No. 520,306. K. J. SIMMONS & COMPANY, Philadelphia, Pa. Filed Apr. 7, 1947.



The words "Product" and "By Simco" are disclaimed apart from the mark.

FOR CHEMICAL LIQUID WELDER FOR RADIATORS, MOTORS, VALVE PORTS, WATER JACKETS, CYLINDERS, AND COOLING SYSTEMS.
Claims use since Jan. 1, 1946.

Ser. No. 520,952. LAUNDER MOTH, INC., Hyde Park, N. Y. Filed Apr. 18, 1947.



Applicant disclaims exclusive rights to the use of the word "Moth" apart from the mark.
FOR MOTHPROOFING COMPOSITION FOR TREATING TEXTILE FABRICS, ARTICLES MADE THEREFROM, AND THE LIKE, ESPECIALLY WOOLENS, FOR THE PURPOSE OF REPELLING ATTACK BY MOTHS.
Claims use since Apr. 2, 1947.

Ser. No. 521,397. NEOCO CORPORATION, Los Angeles, Calif. Filed Apr. 26, 1947.

TRACO

FOR CALCIUM CARBONATE AND MAGNESIUM TRISILICATE PREPARATION FOR THE RELIEF OF GASTRIC HYPERACIDITY.
Claims use since June 8, 1945.

Ser. No. 523,022. JOHN POWELL & CO., INC., New York, N. Y. Filed May 26, 1947.



FOR INSECTICIDES, FUNGICIDES, GERMICIDES, PESTICIDES, AND DISINFECTANTS FOR THE CONTROL OF BACTERIA IN INFESTATIONS OF UTENSILS.

Claims use since Oct. 4, 1946.

Ser. No. 523,465. GERMAN DE LA VEGA, Brooklyn, N. Y. Filed June 3, 1947.

FAUST

FOR HAIR EMULSION, A FLUID APPLIED AS A TONIC TO THE HAIR FOR THE GROWTH OF SAME.
Claims use since May 6, 1947.

Ser. No. 524,240. J. C. ENO, LIMITED, London, England. Filed June 16, 1947.

ENOZONE

FOR HYDROGEN PEROXIDE.
Claims use since 1940.

Ser. No. 525,014. OSCAR NONNENMANN, San Francisco, Calif. Filed June 27, 1947.

Vita-San

No claim is made to the word "Vita" apart from the mark.
FOR MEDICINAL PREPARATION IN POWDER FORM UTILIZED AS A TONIC AND FOR THE TREATMENT OF INTERNAL AND EXTERNAL AILMENTS OF ANIMAL, FISH, AND PLANT LIFE, AND ALSO AS A FERTILIZER FOR PLANTS.
Claims use since Oct. 15, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 494,268. FRAN-STEF MFG. CO., New York, N. Y. Filed Jan. 4, 1946.



FOR SMOKERS' ARTICLES—NAMELY, TOBACCO POUCHES, CIGAR CASES AND CIGARETTE CASES NOT OF PRECIOUS METAL, CIGAR AND CIGARETTE HOLDERS, NOT OF PRECIOUS METAL. Claims use since 1935.

Ser. No. 502,718. ROGERS IMPORTS INC., New York, N. Y. Filed May 24, 1946.

HUMIDO

FOR HUMIDIFIERS FOR TOBACCO PRODUCTS. Claims use since June 5, 1929.

Ser. No. 518,594. FITZPATRICK INDUSTRIES, INC., East Palestine, Ohio. Filed Mar. 6, 1947.



Applicant disclaims exclusive right to the words "Authentic Pennsylvania Dutch Design." FOR ASH TRAYS. Claims use since Jan. 1, 1947.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 510,790. MERSHON CO., INC., Glendale, Calif. Filed Oct. 12, 1946.



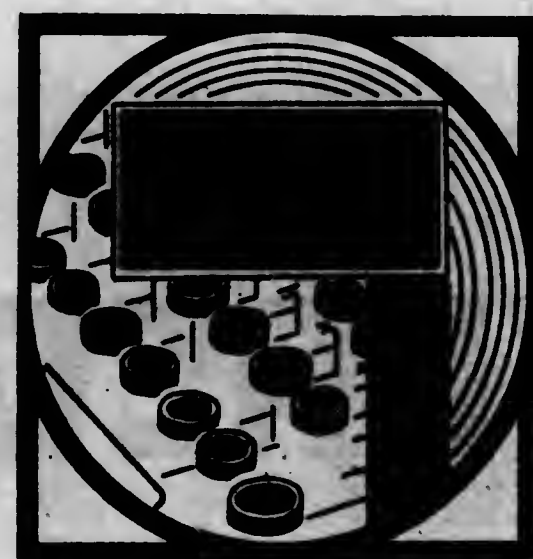
The trade-mark consists of a white lamination in the goods, together with applying the words "White Line" upon the goods, said lamination being considerably less than half the thickness of the goods, embodied in the gun recoil pads and in the gun butt plates intermediate the sides of said articles, and embodied in the gun butt extension spacers at one side. The mark, therefore, comprises the words "White Line" and the white lamination substantially as shown in the drawing. Representation of the goods shown is disclaimed.

FOR GUN RECOIL PADS, GUN BUTT EXTENSION SPACERS AND GUN BUTT PLATES. Claims use since February 1937.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 517,456. CODO MANUFACTURING CORP., Coraopolis, Pa., and Chicago, Ill. Filed Feb. 14, 1947.



FOR CARBON PAPER AND TYPEWRITER RIBBONS. Claims use since Jan. 3, 1942.

Ser. No. 519,159. AMES SUPPLY COMPANY, Chicago, Ill. Filed Mar. 18, 1947.



FOR TYPEWRITER RIBBONS. Claims use since July 1, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 521,575. ARTHUR N. HULTS, doing business as The Hultcrete Company, Charlotte, N. C. Filed Apr. 30, 1947.

MASTICRETE

FOR ASPHALT EMULSION ADAPTABLE FOR MIXTURE WITH CEMENT AND SAND FOR RESURFACING AND PATCHING CONCRETE, WOOD, AND BRICK FLOORS AND THE LIKE.

Claims use since June 12, 1946.

Ser. No. 523,719. VALLEY METAL PRODUCTS COMPANY, Plainwell, Mich. Filed June 6, 1947.



The drawing is lined for the color yellow. Applicant disclaims the words "Valley Metal Prod. Co. Plainwell, Michigan" apart from the mark.

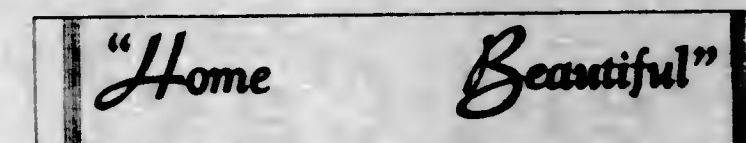
FOR STEEL, ALUMINUM AND OTHER METAL WINDOW FRAMES, SASHES AND SCREENS FOR DOMESTIC AND INDUSTRIAL USE.

Claims use since Apr. 11, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 505,830. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed July 18, 1946.



The word "Beautiful" and the outline representation of the label are disclaimed apart from the mark shown. FOR SHOWER CURTAINS. Claims use since October 1940.

Ser. No. 509,274. HAYS MANUFACTURING COMPANY, Erie, Pa. Filed Sept. 18, 1946.

"NU-HEX"

The word "Hex" is disclaimed apart from the mark. FOR STOP VALVES AND COMBINATION STOP AND DRAIN VALVES.

Claims use since Jan. 1, 1946.

Ser. No. 509,601. CARL RENDLER, Los Angeles, Calif. Filed Sept. 23, 1946.



The words "All Purpose Frypan" are disclaimed apart from the mark.

FOR FRY PANS.

Claims use since Aug. 1, 1946.

Ser. No. 522,240. HARLEY E. HUGGINS, Vancouver, Wash. Filed May 12, 1947.



FOR CURTAIN ROD BRACKETS. Claims use since Apr. 30, 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 509,122. STAINLESS CAVITY CORP., Leominster, Mass. Filed Sept. 11, 1946.

"Peri-Cast"

No claim is made to the word "Cast" apart from the mark.

FOR FINISHED METAL CASTINGS MADE BY PRECISION CASTING METHODS.
Claims use since July 1, 1946.

Ser. No. 524,200. THE NITRALLOY CORPORATION, Wilmington, Del. Filed June 14, 1947.

NITRALLOY

FOR ALLOY STEEL.
Claims use since Nov. 18, 1926.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 521,816. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Apr. 30, 1947. Under 10-year proviso.

SHERWIN-WILLIAMS

FOR PAINTS (READY-MIXED, SEMI-PASTE, OR DRY); PAINT ENAMELS; VARNISHES; LACQUERS; JAPANS; WOOD STAINS; UNDERCOATERS, IN THE NATURE OF PAINTS, PAINT ENAMELS, VARNISHES, AND LACQUERS; THINNERS AND SOLVENTS FOR PAINTS, PAINT ENAMELS, VARNISHES, LACQUERS AND WOOD STAINS; AND PASTE AND LIQUID WAXES AND POLISHES FOR PAINT, ENAMEL, VARNISH AND LACQUER SURFACES.
Claims use since 1878.

CLASS 19

VEHICLES

Ser. No. 499,393. CONTINENTAL AVIATION AND ENGINEERING CORPORATION, Detroit and Muskegon, Mich. Filed Apr. 1, 1946.

CONTINENTAL AVIATION

The word "Aviation" is disclaimed apart from the mark as shown.

FOR PROPELLERS AND AIRPLANE PROPELLER HUBS AND PARTS THEREOF.
Claims use since Jan. 17, 1946.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 492,345. SPIEGEL, INC., Chicago, Ill. Filed Nov. 28, 1945.

Super Scrooleum

FOR LINOLEUM.
Claims use since July 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 509,930. ELECTROMASTER, INC., Detroit, Mich. Filed Sept. 28, 1946.

SPEED-O-MASTER

No registration rights are claimed for the word "Speed" apart from the mark.

FOR SURFACE HEATING UNIT FOR ELECTRIC RANGES.
Claims use since July 24, 1946.

Ser. No. 509,931. ELECTROMASTER, INC., Detroit, Mich. Filed Sept. 28, 1946.

Kitchen-Master

No registration rights are claimed for the word "Kitchen" apart from mark.
FOR OVEN FOR ELECTRIC RANGES.
Claims use since July 24, 1946.

Ser. No. 510,421. BURKAW ELECTRIC CO., New York, N. Y., assignor to Floor-O-Matic Inc., New York, N. Y. Filed Oct. 8, 1946.

FLOOR O MATIC

The word "Floor" is disclaimed apart from the mark as shown.
FOR ELECTRIC FLOOR POLISHER.
Claims use since January 1945.

Ser. No. 522,640. E. W. McGRADE MANUFACTURING CO., INC., Kansas City, Mo. Filed May 19, 1947.

MAGI CALL

The term "Call" is disclaimed apart from the mark shown.

FOR TELEPHONIC ELECTRIC INTERCOMMUNICATING APPARATUS.
Claims use since Dec. 18, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 511,285. NORWICH LINE COMPANY, INC., Norwich, N. Y. Filed Oct. 22, 1946.



The portrait forming a feature of the mark is that of George Washington. No claim is made to the circular outline for the mark as shown.

FOR FLY CASTING FISHING LINES.
Claims use since Mar. 25, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 499,940. BOKA SALES CORPORATION, New York, N. Y., now by change of name Boka Manufacturing Corp. Filed Apr. 10, 1946.

1.2.3

FOR HAND OPERATED, LIQUID CHEMICAL FIRE EXTINGUISHERS.
Claims use since Mar. 16, 1946.

Ser. No. 522,154. EDCO CORPORATION, Brooklyn, N. Y. Filed May 9, 1947.

SPEED KING

FOR INSECTICIDE SPRAYER.
Claims use since Jan. 6, 1947.

Ser. No. 522,893. VIRGIL E. ACKLES, doing business as Bakery Patents Manufacturing Co., Los Angeles, Calif. Filed May 23, 1947.



FOR DOUGHNUT AND BAKERY GOODS MANUFACTURING EQUIPMENT—NAMESLY, DOUGHNUT FRYING MACHINES, DOUGHNUT TURNING MACHINES, PROOFING CABINETS, GLAZING MACHINES, ICING MACHINES AND PARTS AND ACCESSORIES THEREFOR.

Claims use since Jan. 2, 1947.

Ser. No. 524,387. ECLIPSE AIR BRUSH CO., Newark, N. J. Filed June 18, 1947.

ECLIPSE-45

FOR PNEUMATIC SPRAY GUNS.
Claims use since Sept. 30, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 523,067. BINSWANGER-HENKIN INDUSTRIES, Memphis, Tenn. Filed May 26, 1947.

Magiclean

FOR WASH BOARDS.
Claims use since Mar. 25, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 469,683. **LIBERTY MOTORS AND ENGINEERING CORPORATION**, Baltimore, Md. Filed Apr. 26, 1944.

Liberty Motors & Engineering Corp.

The words "Motors & Engineering Corp." are disclaimed.

FOR AUTOSYN VOLTAGE CALIBRATION APPARATUS AND PARTS THEREOF, Jan. 20, 1943; AIR SPEED INDICATOR FOR TESTING APPARATUS, Sept. 8, 1943; BRAKE CLUTCH TEST STAND, Jan. 23, 1943; SETTING GAUGE FOR POSITIONING SOLENOIDS ON PHANTOM PLATES, Jan. 30, 1943; BENCH GUN SYNCHRONIZERS, Mar. 17, 1943; HYDRAULIC TEST BENCHES FOR STUDENT TRAINING, Mar. 13, 1943; INSTRUMENTS TO CALIBRATE AIRCRAFT DEVICES AGAINST A MANOMETER, June 8, 1942; MASTER BALANCING HUBS, June 22, 1942; PROPELLER BALANCING STAND, May 21, 1942; MANDRELS TO BALANCE PROPELLERS USED ON AIRCRAFT, May 15, 1942; HYDROMATIC PROPELLER TEST BENCHES, June 22, 1942; PROPELLER GOVERNOR TEST UNIT, June 22, 1942; MANOMETER, July 16, 1943; DYNAMOTOR TEST UNITS, July 23, 1942; PRESSURE GAUGE UNITS, May 7, 1942; STANDS ON WHICH SHAFTS OR THE LIKE ARE BALANCED, June 8, 1942; ALL SAID ARTICLES BEING FOR USE IN THE CONSTRUCTION, REPAIR AND SERVICING OF AIRPLANES AND THEIR PARTS.

Claims use since date following particular-items above.

Ser. No. 497,506. **TECHNICAL DEVICES CORPORATION**, Roseland, N. J. Filed Mar. 1, 1946.

TEDECO

FOR VACUUM TUBE VOLTMETER, VACUUM TUBE OHMMETER, VACUUM TUBE MULTIMETER, AND COMPONENT PARTS THEREOF.

Claims use since August 1940.

Ser. No. 498,733. **TAYLOR, TAYLOR & HOBSON LIMITED**, Leicester, England. Filed Mar. 21, 1946.

APOTAL

FOR OPTICAL OBJECTIVES.

Claims use since Aug. 7, 1942.

Ser. No. 499,955. **LINK AVIATION DEVICES, INC.**, Fenton, N. Y., now by change of name Link Aviation, Inc. Filed Apr. 10, 1946.

LINK

FOR GROUND APPARATUS FOR TRAINING AIR PILOTS FOR FLYING, GROUND APPARATUS FOR TRAINING NAVIGATORS IN CELESTIAL NAVIGATION, GROUND APPARATUS FOR TRAINING BOMBARDIERS, INSTRUMENTS FOR USE WITH TRAINING APPARATUS AS AFORESAID FOR PLOTTING AN ASSUMED FLIGHT TRACK WITH INTRODUCED ASSUMED WIND CONDITIONS, COLLIMATORS AND SEXTANTS (OCTANTS).

Claims use since March 1937.

Ser. No. 504,358. **THE JEFFREY MANUFACTURING COMPANY**, Columbus, Ohio. Filed June 21, 1946.

BIN EYE

No claim is made for the word "Bin" apart from the mark.

FOR BIN OR CONTAINER LEVEL INDICATOR ADAPTED PARTICULARLY TO RESPOND TO A SELECTED DEPTH OF GRANULAR MATERIAL IN A CONTAINER, BIN OR RECEPTACLE.

Claims use since Feb. 15, 1946.

Ser. No. 508,022. **C. L. BERGER & SONS, INC.**, Boston, Mass. Filed Aug. 26, 1946.

EB SONS

FOR TELESCOPES, TRANSITS, TACHYMETERS, THEODOLITES, TRANSIT-THEODOLITES, LEVELS, STRIDE-LEVELS, VERNIER-LEVELS, SPIRIT-LEVELS, Y-LEVELS, DUMPY-LEVELS, PRECISE LEVELS, PLANE-TABLES, LATITUDE INSTRUMENTS USED IN ASTRONOMICAL OBSERVATIONS, SEXTANTS, OPTICAL SQUARES, ANGLE-MIRRORS, PANTOGRAPHES, PLANIMETERS, COMPASSES, TRIPODS, LEVEL-TRIERS FOR TESTING THE LEVEL VIALS OF TRANSITS AND LEVELS, LEVELING ATTACHMENTS FOR TRANSITS AND LEVELS, CLINOMETERS, SOLAR ATTACHMENTS FOR TRANSITS AND LEVELS, MERIDIAN FINDERS, TRANSIT AND LEVEL BRACKETS, TRIVETS FOR TRANSITS AND LEVELS, LATERAL ADJUSTERS FOR TRANSITS AND LEVELS, TARGETS, ALTITUDE-AZIMUTHS, ARTIFICIAL HORIZONS, CURRENT-METERS, LEVELING-RODS, RANGE-POLES,

MEASURING-TAPES, SURVEYORS' CHAINS AND TAPES, TAPE-REPAIR OUTFITS, MARKING-PINS, ODOMETERS, PEDOMETERS, PLUMMET-LAMP, LAMP-TARGETS, LAMPS FOR ILLUMINATING CROSS-WIRES, PLUMB-BOBS OF PRECISION, MAGNIFIERS, ANEMOMETERS, SHORT-FOCUS-LENS ATTACHMENTS, QUICK-LEVELING ATTACHMENTS, SIGHTING WIRE DIAPHRAGMS, UNIVERSAL-JOINT MIRRORS FOR DUMPY-LEVELS, STEEL CENTERS FOR Y-LEVELS, REVERSION-LEVELS, PLANE-TABLE ALIDADES, PLANE-TABLE LOWER MOTIONS CONSISTING OF A TRIPOD-SUPPORTED DRAWING BOARD AND USUALLY INCLUDING AN ALIDADE, PLANE-TABLE COMPASSES, PLANE-TABLE BOARDS, Y-BEARINGS FOR TRANSITS, LATITUDE-LEVEL ATTACHMENTS, COMBINED SOLAR ATTACHMENTS FOR TOP TELESCOPES, INCLINED SQUARES, PRISMS, AND COLORED-GLASS ATTACHMENTS FOR TRANSITS AND LEVELS, DETACHABLE SIDE AND TOP TELESCOPES, INTERCHANGEABLE AUXILIARY TELESCOPES, DIAPHRAGMS FOR TRANSITS AND LEVELS, VERTICAL CIRCLES FOR TRANSITS AND LEVELS, READING-GLASS AND REFLECTORS WITH COUNTERPOISE FOR EDGE GRADUATIONS, REVOLVING CROSS-LEVELS, ADJUSTABLE CENTERS FOR TRANSITS AND LEVELS, ALINING DEVICES FOR TRANSITS AND LEVELS, MAGNETOMETERS, PENDULUM APPARATUS, NON-MAGNETIC TRANSITS AND APPARATUS.

Claims use since Aug. 26, 1922.

Ser. No. 510,173. **HENRY J. HOFF**, Washington, D. C. Filed Oct. 3, 1946.

INVISI LENS

No claim is made to the word "Lens" apart from the mark.

FOR OPHTHALMIC LENSES.

Claims use since June 1, 1946.

Ser. No. 517,505. **FEDERAL MANUFACTURING AND ENGINEERING CORP.**, Brooklyn, N. Y. Filed Feb. 15, 1947.

FEDERAL

In the drawing, the black color of the mark indicates a color contrast between the letters and their background.

FOR LABORATORY EQUIPMENT—NAMESLY, ELECTRONIC TEST EQUIPMENT, PARTICULARLY SIGNAL GENERATORS FOR CALIBRATING AND/OR TESTING ELECTRONIC APPARATUS; AND COMPONENT PARTS THEREOF PARTICULARLY OSCILLATORS; PHOTOGRAPHIC EQUIPMENT—NAMESLY, PHOTO-ENLARGERS, PHOTO-PROJECTION PRINTERS, CAMERAS, AND FOCUSING TARGETS; AND OPTICAL EQUIPMENT—NAMESLY, MICROSCOPES, PROJECTORS FOR PROJECTING IMAGES, MICROFILM PROJECTORS, AND MICROFILM READERS.

Claims use since on or about January 1945; on microfilm projectors, picture projectors, and microfilm readers since on or about January 1945; on electronic test equipment since on or about April 1945; on focusing targets since on or about November 1945; on photo-enlargers and photo projection printers since on or about December 1945; on microscopes since Dec. 20, 1946; and on cameras since Feb. 7, 1947.

606 O. G.—36

Ser. No. 518,451. **GEORGE H. SIGAL**, Pittsburgh, Pa. Filed Mar. 3, 1947.

THE FORWAY

FOR EGG CANDLERS.

Claims use since 1929.

Ser. No. 520,145. **WALTER CARSEN**, doing business as W. Carlsen & Co., Toronto, Ontario, Canada. Filed Apr. 4, 1947.

LUMEX

FOR BINOCULARS.

Claims use since Feb. 15, 1947.

Ser. No. 523,063. **JOHN G. EGANHOUSE**, doing business as Drivers Shield Co., Houston, Tex. Filed May 26, 1947.

GLARE-BUSTR

FOR SPECTACLES.

Claims use since Mar. 17, 1947.

Ser. No. 525,405. **BENJAMIN D. RITHOLZ**, doing business as Regent Optical Co., Chicago, Ill. Filed July 1, 1947.

Glarex

FOR SUN GLASSES.

Claims use since June 8, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 516,976. **THE GRUEN WATCH COMPANY**, Cincinnati, Ohio. Filed Feb. 5, 1947.

AMERICAN LEADERSHIP

Applicant disclaims the word "American" apart from the mark as shown.

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.

Claims use since Jan. 27, 1947.

Ser. No. 518,764. KELBERT WATCH COMPANY, INC., New York, N. Y. Filed Mar. 10, 1947.

CHRON-O-PHASE

The word "Chron-O" is disclaimed apart from the mark shown.
FOR WATCHES.
Claims use since Feb. 21, 1947.

Ser. No. 525,418. STOLZ, FRERES, S. A. MANUFACTURE D'HORLOGERIE ANGLAIS, Le Locle, Switzerland. Filed July 1, 1947.

Chronodato

FOR WATCHES, CHRONOMETERS WITH AUTOMATIC CALENDER.
Claims use since Dec. 14, 1942.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 516,973. JOHN FREEMAN & COMPANY LIMITED, Chesham, England. Filed Feb. 5, 1947.

Spa

FOR TOOTH AND TOILET BRUSHES.
Claims use since Aug. 1, 1938.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 508,381. THE INTERNATIONAL UNICALOR COMPANY LIMITED, Wolverhampton, England. Filed Aug. 31, 1946.

UNICALOR

FOR MECHANICAL STOKERS FOR CONVEYING SOLID FUEL TO FURNACES.
Claims use since Jan. 1, 1935.

Ser. No. 509,823. BRITISH FLINT & CERIUM MANUFACTURERS LIMITED, Tonbridge, Kent, England. Filed Sept. 27, 1946.



FOR PYROPHORIC CIGARETTE LIGHTERS AND FLINTS THEREFOR.
Claims use since 1943.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 504,266. THE GATES RUBBER COMPANY, Denver, Colo. Filed June 20, 1946.

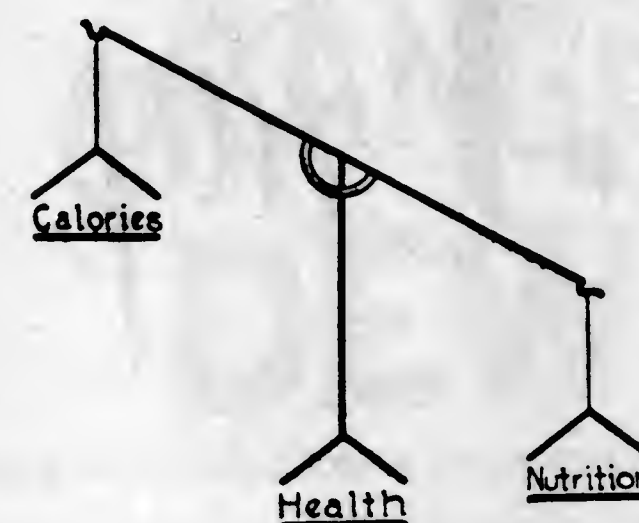


The tire and part of the tread are disclaimed apart from the mark.
FOR CAMELBACK.
Claims use since February 1939.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 516,307. REUBEN NOEL PERLEY, Omaha, Nebr. Filed Jan. 24, 1947.



No claim is made to the words "Calories," "Health," and "Nutrition" apart from the mark.
FOR BOOKS DESCRIPTIVE OF DIETS.
Claims use since Jan. 17, 1947.

CLASS 39

CLOTHING

Ser. No. 485,513. NORTH STAR MANUFACTURING CO., Tacoma, Wash. Filed July 6, 1945.

**WHITE
OX**

No claim is made to the word "White" apart from the mark.
FOR WORK GLOVES.
Claims use since 1930.

Ser. No. 510,748. WORCESTER SHOE COMPANY, Worcester, Mass. Filed Oct. 11, 1946.

BULL MOOSE

FOR LEATHER SHOES.
Claims use since Sept. 25, 1946.

Ser. No. 511,708. S. B. VAISEY SHOE CO., INC., Rochester, N. Y., now by change of name Vaisey-Bristol Shoe Company, Incorporated, a corporation of New York. Filed Oct. 29, 1946.

JUMPING JACKS
SOFT SHOES FOR HARD WEAR

The words "Soft Shoes For Hard Wear" are disclaimed apart from the mark.
FOR LEATHER SHOES.
Claims use since July 1944.

Ser. No. 512,267. KARL L. KRAUSE, doing business as Buffalo Shoe Mfg. Co., Seattle, Wash. Filed Nov. 2, 1946.



The representation of the goods and the word "Loggers" are disclaimed apart from the mark shown.
FOR WORKMEN'S LEATHER SHOES AND LEATHER BOOTS.
Claims use since 1906.

Ser. No. 513,073. SPECIALTY STORES ASSOCIATION INC., New York, N. Y. Filed Nov. 22, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

glen bogie

FOR WOMEN'S, MISSES' AND CHILDREN'S OUTER CLOTHING AND UNDERGARMENTS—NAMELY, COATS, SUITS, DRESSES, FUR COATS, FUR SCARFS, FUR MUFFS, EVENING WRAPS, RAINCOATS, BLOUSES, SKIRTS FOR OUTER WEAR, JACKETS, SLACKS, KNICKERS AND RIDING HABITS, SHORTS FOR OUTER WEAR, ONE PIECE GARMENTS WITH SEPARATE SKIRT, SLACK SUITS, HALTERS, BATHING SUITS, SWEATERS, HATS TRIMMED AND UNTRIMMED, NEGLIGES, SLIPS, PETTICOATS, BED JACKETS, PANTIES, NIGHTGOWNS, PAJAMAS, CORSETS, BRASSIERES, VESTES, DICKIES, NECKTIES, SCARFS, COLLARS, CUFFS, APPAREL BELTS, GLOVES, HOSIERY, SHOES AND SLIPPERS MADE OF KNITTED, TEXTILE, WOOL, FUR, SKIN, LEATHER, PLASTIC, RUBBER AND WATER REPELLENT MATERIALS.
Claims use since Mar. 6, 1922.

Ser. No. 515,072. CANNON SHOE COMPANY, Baltimore, Md.
Filed Dec. 31, 1946.

**Bull
Moose**

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR A COMBINATION THEREOF.
Claims use since Aug. 26, 1946.

Ser. No. 519,313. BILT-RITE MFG. CO. INC., Bayonne, N. J.
Filed Mar. 20, 1947.



The words "Bilt Rite" are disclaimed apart from the mark.
FOR BOYS', GIRLS', MEN'S, WOMEN'S, AND TODDLER'S, DUNGAREES AND OVERALLS.
Claims use since July 23, 1946.

Ser. No. 521,851. ERNA BIRMAN, doing business as La Marquise Company, Brookline, Mass. Filed May 5, 1947.

La Chance

FOR BRASSIÈRES, SLIPS, FOUNDATION GARMENTS, AND CORSETS.
Claims use since Mar. 1, 1947.

Ser. No. 525,968. SOUTH SEAS TRADING CORP., New York, N. Y. Filed July 3, 1947.

J'ray

FOR WOMEN'S SLIPS, NIGHT GOWNS, AND UNDERWEAR.
Claims use since Jan. 2, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 508,007. RESPRO INC., Cranston, R. I. Filed Aug. 24, 1946.

RESPROOFED

FOR FABRICS OF NYLON, RAYON, COTTON, SILK, WOOL, COATED OR IMPREGNATED FOR RESISTANCE TO WATER, FIRE AND/OR MOLD, AND SOLD AS PIECE GOODS.
Claims use since Jan. 28, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 513,316. BURT KRONE COMPANY, Springfield, Mo. Filed Nov. 27, 1946.

Rival

FOR HYPODERMIC NEEDLES AND GLASS HYPODERMIC SYRINGES.
Claims use since July 1, 1945.

Ser. No. 517,920. REED LABORATORIES, INC., Akron, Ohio. Filed Feb. 21, 1947.

Q ENERGY

FOR PLASTIC BANDAGES.
Claims use since Feb. 1, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 522,625. DEW BEVERAGE COMPANY, INC., Kansas City, Mo. Filed May 19, 1947.

**ORANGE
DEW**

The word "Orange" is disclaimed apart from the mark shown.

FOR NON-ALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK.

Claims use since Jan. 8, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,117. CURED FRUIT ASSOCIATION, San Francisco, Calif. Filed Mar. 13, 1946.

VARSITY

FOR DRIED FRUITS.
Claims use since on or about 1900.

Ser. No. 513,345. STAYTON CANNING CO. CO-OPERATIVE, Stayton, Ore. Filed Nov. 27, 1946.

Santiam

FOR CANNED VEGETABLES AND FRUITS, AND FROZEN DECIDUOUS FRUITS.
Claims use since July 19, 1926.

Ser. No. 520,222. LEEF-SCHNIEBOLK Co., New York, N. Y. Filed Apr. 5, 1947.

L • S • M • F • T

FOR FRESH TOMATOES.
Claims use since Feb. 26, 1947.

Ser. No. 520,919. BARRETT'S FOOD COMPANY PROPRIETARY LIMITED, Melbourne, Victoria, Australia. Filed Apr. 18, 1947.



The lining in the drawing is for shading only. The exclusive use of the name "Barrett's" is disclaimed apart from the mark as shown.

FOR PREPARATION OF MALT AND MINERAL SALT USED IN THE MANUFACTURE OF BREAD AND ALLIED PRODUCTS.

Claims use since 1904.

Ser. No. 524,330. R. G. MASON, Macomb, Ill. Filed June 17, 1947.

**MASON'S
SUGAR BARREL
FEEDS**

The lining of the drawing is for shading purposes only. The surname "Mason's" and the word "Feeds" are disclaimed apart from the mark.

FOR LIVESTOCK AND POULTRY FEED AND FEED SUPPLEMENTS AND CONCENTRATES, COMPOSED PRINCIPALLY OF OATS AND WHEAT.

Claims use since Feb. 1, 1947.

Ser. No. 525,587. D. GHIRARDELLI Co., San Francisco, Calif. Filed July 2, 1947. Under 10-year proviso.

GHIRARDELLI

FOR GROUND CHOCOLATE, COCOA, BITTER SWEET CHOCOLATE, MILK CHOCOLATE, MINT CHOCOLATE AND RAISIN CHOCOLATE SOLD IN THE FORM OF BARS AS CANDY AND FOR COOKING PURPOSES.
Claims use since October 1878.

CLASS 47
WINES

Ser. No. 508,530. INGLENOOK VINEYARD Co., Rutherford, Calif., assignor to Buena Vista Vineyards, Sonoma, Calif., a copartnership composed of Frank H. Bartholomew and Antonia P. Bartholomew. Filed Sept. 5, 1946. Under 10-year proviso.

Buena Vista

FOR WINES.
Claims use since 1863.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 522,934. MARTELL'S WINE & LIQUOR Co., INC., New York, N. Y. Filed May 23, 1947.

HAPPY HOST

FOR GIN.
Claims use since April 1938.

Ser. No. 522,943. MARTELL'S WINE & LIQUOR Co., INC., New York, N. Y. Filed May 23, 1947.

MAYTIME

FOR GIN.
Claims use since May 1938.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 527,424. FISCHER INDUSTRIES, INC., Cincinnati, Ohio. Filed July 5, 1947.

ABBOLENE

FOR SYNTHETIC DETERGENT FOR GLASS, CHROME, AUTOMOBILE BODIES, WOODWORK, PAINTED AND HIGHLY LACQUERED SURFACES.
Claims use since Aug. 1, 1942.

Ser. No. 527,733. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

NEMO

Applicant claims ownership of registration No. 363,908. FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Aug. 31, 1938.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 526,640. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed July 5, 1947.

CHANSON D'AMOUR

FOR PERFUME BASES.
Claims use since January 1939.

Ser. No. 526,654. GEORGIA STAPPAS, doing business as Evvra Co., East Providence, R. I. Filed July 5, 1947.

EEVRA

FOR MEDICINAL PREPARATION FOR TREATING THE SKIN.
Claims use since July 22, 1946.

Ser. No. 526,868. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

PROPAZONE

Applicant claims ownership of registration No. 393,106. FOR SUBSTITUTED OXAZOLIDINEDIONES AND SALTS THEREOF USEFUL AS HYPNOTICS AND ANAESTHETICS.
Claims use since July 11, 1941.

Ser. No. 526,949. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

CALO-CLOR

Applicant claims ownership of registration No. 357,788. FOR MIXTURE, WHICH IS APPLIED TO GRASS FOR THE TREATMENT OF BROWN PATCH.
Claims use since January 1928.

Ser. No. 527,047. PASADENA RESEARCH LABORATORIES, INC., Pasadena, Calif. Filed July 5, 1947.



FOR VITAMIN B-COMPLEX PRODUCTS IN CAPSULE, TABLET AND AQUEOUS FORM (FOR ORAL, INTRAMUSCULAR OR INTRAVENOUS USE), THIAMINE HYDROCHLORIDE FOR ORAL, INTRAMUSCULAR AND INTRAVENOUS USE, RIBOFLAVIN, NIACIN (NICOTINIC ACID), NICOTINAMIDE, PYRIDOXINE HYDROCHLORIDE FOR INTRAMUSCULAR AND INTRAVENOUS USE; ALPHA TOCOPHEROL, VITAMIN E, WHEAT GERM OIL FORTIFIED WITH VITAMIN E; MENADIONE, SYNTHETIC VITAMIN K PRODUCTS; ESTRONE WITH OTHER AUXILIARY HORMONES, ESTRADIOL AND DIETHYLSTILBESTROL; AND PENICILLIN IN OIL AND WAX.
Claims use since Jan. 1, 1945.

Ser. No. 528,788. THE C. P. HALL COMPANY, Akron, Ohio. Filed July 17, 1947.

ARO-LENE

FOR PLASTICIZER AND SOFTENER FOR RUBBER AND SYNTHETIC RUBBERS.
Claims use since September 1943.

Ser. No. 528,876. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed July 18, 1947.

INFADREN

FOR PREPARATION FOR VITAMIN DEFICIENCIES IN INFANTS AND CHILDREN.
Claims use since Dec. 3, 1946.

Ser. No. 528,877. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed July 18, 1947.

MERCODONE

FOR PREPARATION FOR THE TREATMENT OF COUGHS DUE TO COLDS.
Claims use since Dec. 3, 1946.

Ser. No. 528,878. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed July 18, 1947.

BEVISOL

FOR PREPARATION FOR THE TREATMENT OF VITAMIN DEFICIENCY.
Claims use since Jan. 20, 1947.

Ser. No. 529,117. U. S. VITAMIN CORPORATION, New York, N. Y. Filed July 21, 1947.

RUTASCORB

FOR THERAPEUTIC COMPOUND COMPRISING PARTS OF RUTIN AND ASCORBIC ACID FOR THE TREATMENT OF CAPILLARY FRAGILITY ASSOCIATED WITH VITAMIN C DEFICIENCIES.
Claims use since May 1, 1947.

Ser. No. 529,118. U. S. VITAMIN CORPORATION, New York, N. Y. Filed July 21, 1947.

UseVite

FOR MULTIPLE VITAMIN CAPSULE INTENDED AS A DIETARY SUPPLEMENT.
Claims use since May 1, 1947.

Ser. No. 529,235. COLGATE-PALMOLIVE-PETT COMPANY, Jersey City, N. J. Filed July 23, 1947.

CUE

Applicant claims ownership of registration No. 372,523. FOR LIQUID DENTIFRICE AND HAIR DRESSING.
Claims use since June 30, 1939.

Ser. No. 529,586. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

TRI-GEL-MA

FOR ANTACID LIQUID PREPARATION FOR THE RELIEF OF GASTRIC HYPERACIDITY AND THE SYMPTOMS OF PEPTIC ULCER.
Claims use since May 1, 1939.

Ser. No. 529,587. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

CASCAPHEN

FOR LAXATIVE TABLET.
Claims use since February 1923.

Ser. No. 529,588. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

CHOLALOIDS

FOR BILE SALTS TABLET FOR THE STIMULATION OF LIVER FUNCTION.
Claims use since January 1927.

Ser. No. 529,589. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

RESPOFORM

FOR INJECTABLE OIL SOLUTION OF AROMATIC PRINCIPLES FOR USE IN THE TREATMENT OF RESPIRATORY INFECTIONS.
Claims use since October 1940.

Ser. No. 529,592. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

FIRSAMUL

FOR BALSAM EMULSION USED AS A COUGH SEDATIVE WITHOUT NARCOTIC, AND IN THE TREATMENT OF BRONCHITIS.
Claims use since 1916.

Ser. No. 529,593. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

EUCAZEST

FOR ANTISEPTIC VAGINAL DOUCHE POWDER.
Claims use since May 1923.

Ser. No. 529,594. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

DORMITOL

FOR LIQUID PREPARATION FOR USE AS A SEDATIVE AND HYPNOTIC.
Claims use since March 1927.

Ser. No. 529,595. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

TOLUAC

FOR NON-NARCOTIC SYRUP FOR THE TREATMENT OF COUGHS AND COLDS IN INFANTS AND CHILDREN.
Claims use since September 1931.

Ser. No. 529,597. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

EXDERMA

FOR LIQUID EXTERNAL APPLICATION FOR THE RELIEF OF ITCHING CONDITIONS OF THE SKIN.
Claims use since July 1926.

Ser. No. 529,826. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed July 28, 1947.

CUPRO-K

Applicant claims ownership of registration No. 344,040. FOR CHEMICAL MIXTURE FOR USE AS A COMPONENT OF FUNGICIDAL SPRAYS AND DUSTS.
Claims use since Feb. 25, 1937.

Ser. No. 529,862. B. T. BABBITT, INC., New York, N. Y. Filed July 29, 1947. Under section 2f of the act of 1946.

B.T. BABBITT'S

Applicant claims ownership of registrations Nos. 81,946 and 272,473. FOR LYE.
Claims use since 1880.

Ser. No. 531,051. SWADIG, LTD., San Francisco, Calif. Filed Aug. 11, 1947.

C · R · C

FOR SHAMPOO.
Claims use since July 29, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 518,183. WESTERN WATERPROOFING COMPANY, St. Louis, Mo. Filed Feb. 26, 1947.



FOR MORTAR.
Claims use since Feb. 7, 1943.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 492,563. KLOSTER STEEL CORPORATION, Chicago, Ill. Filed Dec. 3, 1945.

"H I - R U N"

No claim is made to the word "HI" apart from the mark. FOR DIE AND TOOL STEEL.
Claims use since February 1938.

Ser. No. 516,132. JACKSON IRON & STEEL COMPANY, Jackson, Ohio. Filed Jan. 22, 1947.

JISCO

FOR PIG IRON, HIGH SILICON CAST IRON PIGS AND FRAGMENTS THEREOF.
Claims use since Sept. 26, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 526,641. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed July 5, 1947.



FOR MOLDED BOTTOMS FOR BOWLING BAGS AND GOLF BAGS, AND THE LIKE.
Claims use since Apr. 5, 1947.

Ser. No. 526,909. GEORGE BRIGGS, doing business as Pondbrook Company, Providence, R. I. Filed July 5, 1947.



FOR CREEL AND TACKLE BAG, FLY BOOK OR ROLL, AND A TACKLE BOX.
Claims use since Apr. 23, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 530,376. THE J. R. CLARK COMPANY, Minneapolis, Minn. Filed Aug. 4, 1947.

AIR-FLOW

Applicant claims ownership of registration No. 399,928. FOR IRONING TABLES AND IRONING TABLE PAD AND COVER SETS.
Claims use since Jan. 3, 1941.

Ser. No. 530,381. THE J. R. CLARK COMPANY, Minneapolis, Minn. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

SPACE SAVER

Applicant claims ownership of registration No. 224,399. FOR CLOTHES DRYING RACKS.
Claims use since Jan. 15, 1919.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND
NONMETALLIC TIRES

Ser. No. 527,564. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed July 5, 1947.



Applicant claims ownership of registration No. 424,926. FOR NATURAL RUBBER MATERIAL FOR RETREADING TIRES.
Claims use since Mar. 31, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,306. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

Canton

FOR BOND, ENVELOPE, AND BOOK PAPER, AND POST CARD BRISTOL BOARD.
Claims use since Feb. 1, 1923.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 527,148. OELERICH & BERRY COMPANY, Chicago, Ill. Filed July 5, 1947.



Applicant claims ownership of registrations Nos. 70,628 and 316,439.
FOR FRUIT JELLY.
Claims use since Nov. 4, 1919.

Ser. No. 527,351. BLANKE-BAER EXTRACT AND PRESERVING COMPANY, St. Louis, Mo. Filed July 5, 1947.

WIN-YOU

Applicant claims ownership of registrations Nos. 237,978, 238,210, 240,295, 391,854, 393,207, 393,518, and 425,745.

FOR JAM, MARMALADE, FRUIT BUTTERS, FRUIT PRESERVES, PRESERVED FRUIT, JELLIES, FLAVORING EXTRACTS FOR FOODS, PEANUT BUTTER, SANDWICH SPREAD, MUSTARD, PICKLES, OLIVES, SALAD DRESSING, MAYONNAISE, MARSHMALLOW CREME, BARBECUE SAUCE, FRENCH DRESSING, WAFFLE SYRUP, AND THE FOLLOWING PRODUCTS FOR USE ON OR IN ICE CREAM: FRUIT MIXTURES PRESERVED WITH SUGAR, FRUIT JUICES, FOUNTAIN FRUITS PACKED IN CANS, KEGS, BARRELS, AND GLASS JARS FOR SODA FOUNTAINS AND HOME USE, CHOCOLATE SYRUP, CHOCOLATE PASTE, MARSHMALLOW CREME, DRY NUTMEATS, NUTMEATS IN SYRUP, CANDIES, AND FROZEN DECIDUOUS FRUITS AND BERRIES—TO WIT, PINEAPPLE CUTTINGS, SLICED PEACHES, SLICED STRAWBERRIES, AND BROKEN DOMESTIC CHERRIES.

Claims use since Feb. 7, 1934, on marmalade; since Aug. 1, 1918, on fruit butters, fruit preserves, jellies and flavoring extracts; since Jan. 6, 1927, on peanut butter, mustard, and French dressing; since Jan. 12, 1928, on pickles and olives; since June 13, 1927, on salad dressing and mayonnaise; since Oct. 1, 1945, on barbecue sauce and waffle syrup; and since about 1924 on all other products.

Ser. No. 527,367. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed July 5, 1947.

MARVEL

Applicant claims ownership of registration No. 210,812. FOR SELF-RISING FLOUR.
Claims use since Sept. 1, 1880.

Ser. No. 527,405. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed July 5, 1947.

Talco

Applicant claims ownership of registration No. 293,146. FOR SCRATCH FEED, EGG LAYING MASH FEED, STARTING MASH, GROWING MASH AND FINE CHICK FEED.

Claims use since April 1930.

Ser. No. 527,668. THE WHEATENA CORPORATION, Rahway, N. J. Filed July 5, 1947.

Wheatena

Applicant claims ownership of registrations Nos. 53,025 and 285,917.
FOR WHEAT BREAKFAST FOOD.
Claims use since 1879.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

JANUARY 27, 1948

436,128. SPICED AND PICKLED HERRING. B. A. GRIFFIN COMPANY, Inc., Milwaukee, Wis. Filed April 23, 1945. Serial No. 482,486. PUBLISHED SEPTEMBER 10, 1946. Class 46.

436,129. PIECE GOODS OF RAYON, COTTON, WOOL, AND MIXTURES THEREOF. RIVERSIDE & DAN RIVER COTTON MILLS, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Filed June 1, 1945. Serial No. 484,065. PUBLISHED AUGUST 28, 1945. Class 42.

436,130. HERNIA TRUSSES. GEORGE W. HACKNEY, TRUSTEE, doing business as The Uncle Sam Truss Company, Weslaco, Tex. Filed June 23, 1945. Serial No. 484,949. PUBLISHED OCTOBER 28, 1947. Class 44.

436,131. WATCH PARTS—NAMELY, STAFFS, STEMS, CLICK SPRINGS, WATCH HANDS AND WATCH JEWELS. PEREZ MEREMINSKY, New York, N. Y. Filed October 26, 1945. Serial No. 490,542. PUBLISHED NOVEMBER 4, 1947. Class 27.

436,132. TICKINGS, READY-MADE PILLOW TICKS. LEVINSON TEXTILE Co., New York, N. Y. Filed October 27, 1945. Serial No. 490,592. PUBLISHED OCTOBER 21, 1947. Class 42.

436,133. TYPEWRITER RIBBONS, INKED RIBBONS GENERALLY, AND CARBON PAPER. WHITE INCORPORATED, Bridgeport, Conn. Filed February 1, 1946. Serial No. 495,850. PUBLISHED OCTOBER 21, 1947. Class 11.

436,134. WATERPROOF AND WATER-REPELLENT COTTON PIECE GOODS—NAMELY, DUCK, TWILL, DRILL, AND CHAIN CLOTHS. METAKLOTH COMPANY, Lodi, N. J. Filed February 5, 1946. Serial No. 496,035. PUBLISHED OCTOBER 21, 1947. Class 42.

436,135. COMFORTERS, BEDSPREADS, DRAPES, UNITS CONSISTING OF A BEDSPREAD AND/OR DRAPES AND A VANITY SKIRT, TABLE RUNNERS AND SCARFS, PILLOW SHAMS, AND OUTSIDE COVERINGS OF MATTRESSES AND BOX SPRINGS. THE CHAS. A. MAISH Co., Cincinnati, Ohio. Filed February 14, 1946. Serial No. 496,559. PUBLISHED OCTOBER 21, 1947. Class 42.

436,136. COMFORTERS, BEDSPREADS, DRAPES, UNITS CONSISTING OF A BEDSPREAD AND/OR DRAPES AND A VANITY SKIRT, TABLE RUNNERS AND SCARFS, PILLOW SHAMS, AND OUTSIDE COVERINGS OF MATTRESSES AND BOX SPRINGS. THE CHAS. A. MAISH Co., Cincinnati, Ohio. Filed February 14, 1946. Serial No. 496,560. PUBLISHED OCTOBER 21, 1947. Class 42.

436,137. METAL POLISH. GENERAL DEVELOPMENT COMPANY, Cleveland, Ohio, assignor to King Chemical & Engineering Company, Cleveland, Ohio, a firm. Filed February 21, 1946. Serial No. 497,022. PUBLISHED OCTOBER 21, 1947. Class 4.

436,138. POULTRY GRIT. THE GEORGIA MARBLE COMPANY, Tate, Ga. Filed March 12, 1946. Serial No. 498,060. PUBLISHED NOVEMBER 4, 1947. Class 1.

436,139. RAYON PIECE GOODS. CANTOR-GREENSPAN Co., Inc., New York, N. Y. Filed March 19, 1946. Serial No. 498,496. PUBLISHED OCTOBER 14, 1947. Class 42.

436,140. PIECE GOODS OF SILK, RAYON AND COTTON, AND MIXTURES THEREOF. CAPITOL PIECE DYE WORKS, Inc., New York, Garnerville, and West Haverstraw, N. Y. Filed April 1, 1946. Serial No. 499,380. PUBLISHED MAY 27, 1947. Class 42.

436,141. SOLUTION FOR MERCERIZING TEXTILES AND OTHER FIBROUS MATERIAL. DEXTER CHEMICAL CORPORATION, New York, N. Y. Filed April 25, 1946. Serial No. 500,866. PUBLISHED OCTOBER 28, 1947. Class 6.

436,142. DYESTUFFS. GEIGY COMPANY, Inc., New York, N. Y. Filed May 8, 1946. Serial No. 501,657. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,143. POWDERED DETERGENTS FOR PERSONAL, HOUSEHOLD, AND INDUSTRIAL CLEANING USES, ETC. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed May 9, 1946. Serial No. 501,730. PUBLISHED OCTOBER 28, 1947. Class 4.

436,144. LIPSTICK, LIP PENCIL, ROUGE, NAIL POLISH, EYE SHADOW, PERFUME, TOILET WATER, EAU DE COLOGNE, FACE POWDER, DUSTING POWDER, TALCUM POWDER, AND FACE AND HAND CREAMS AND LOTIONS. GOLDEN ARROW TOILETRIES, New York, N. Y. Filed May 20, 1946. Serial No. 502,436. PUBLISHED OCTOBER 28, 1947. Class 6.

436,145. COMBINATIONS OF SOIL CONDITIONING AND CHEMICAL INGREDIENTS WHICH ARE SUPPLEMENTS FOR FERTILIZERS. CLARENCE R. REX, Toledo and Woodville, Ohio. Filed May 20, 1946. Serial No. 502,459. PUBLISHED OCTOBER 28, 1947. Class 10.

436,146. TEXTILE FABRICS THAT ARE FABRICATED OF COTTON, RAYON, WOOL, AND LINEN FIBRES, SOLD IN PIECE, YARD, OR BOLT. THE ACADIA COMPANY, New York, N. Y., assignor to The Acadia Company, Inc., New York, N. Y., a corporation of New York. Filed May 23, 1946. Serial No. 502,613. PUBLISHED OCTOBER 21, 1947. Class 42.

436,147. PIECE GOODS OF COTTON, WOOL, RAYON, PROTEIN FIBERS, AND COMBINATIONS THEREOF. ALROSE CHEMICAL COMPANY, Cranston, R. I. Filed May 28, 1946. Serial No. 502,867. PUBLISHED OCTOBER 14, 1947. Class 42.

436,148. PLASTIC COMPOUNDS AND DISPERSIONS IN SHEET, ROD, TUBE, GRANULAR POWDER, LIQUID, OR GEL FORM USED FOR MOLDING AND INDUSTRIAL FINISHES AND RELATED ARTS. SELETRONIC DISPERSIONS, Inc., Montclair, N. J. Filed June 1, 1946. Serial No. 503,174. PUBLISHED OCTOBER 28, 1947. Class 1.

436,149. ACID RESISTANT PORCELAIN ENAMEL FRITS. PEMCO CORPORATION, Baltimore, Md. Filed June 4, 1946. Serial No. 503,261. PUBLISHED NOVEMBER 4, 1947. Class 1.

436,150. BUTYLENE POLYMERS FOR USE AS COMPONENTS OF PAINT, RESIN, ADHESIVES, AND RUBBER COMPOSITIONS AND CHEMICAL RAW MATERIALS. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 6, 1946. Serial No. 503,399. PUBLISHED NOVEMBER 4, 1947. Class 1.

- 436,151. DYESTUFFS. GEIGY COMPANY, INC., New York, N. Y.
Filed June 18, 1946. Serial No. 504,106. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,152. FROZEN CONFECTIONS, SPECIFICALLY ICE CREAM ON A STICK. THE BORDEN COMPANY, New York, N. Y.
Filed July 26, 1946. Serial No. 506,291. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,153. CONCENTRATED CHLORINE BEARING POWDER USED AS A GERMICIDE, SANITIZER, DISINFECTANT, ALGAECIDE, FUNGICIDE, AND/OR DEODORANT. TYKOR PRODUCTS INC., New York, N. Y.
Filed August 8, 1946. Serial No. 507,087. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,154. INSECTICIDE IN POWDER AND LIQUID FORM. BEAUTYKOTE CORPORATION, Newark, N. J.
Filed August 9, 1946. Serial No. 507,094. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,155. SHAVING CREAM. BROOKS BROTHERS, New York, N. Y.
Filed August 12, 1946. Serial No. 507,231. PUBLISHED OCTOBER 28, 1947. Class 4.
- 436,156. PREPARATION USED IN TREATING FABRICS TO PREVENT THE THREADS THEREOF FROM SLIDING. CIBA LIMITED, Basel, Switzerland.
Filed August 12, 1946. Serial No. 507,238. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,157. LIQUID PHARMACEUTICAL PREPARATION USED FOR ECZEMA, RING WORM, SCABIES, PIMPLES, ITCH, OLD SORES, AND IMPETIGO. YUN SAN Loo, Honolulu, Territory of Hawaii.
Filed August 13, 1946. Serial No. 507,325. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,158. TWEEZERS. GEORGE M. FERGUSON, Portland, Oreg.
Filed August 14, 1946. Serial No. 507,383. PUBLISHED NOVEMBER 4, 1947. Class 44.
- 436,159. WOVEN RUGS, TABLE CLOTHS, TABLE PLACE MATS, TABLE SCARVES AND RUNNERS, AND BATH MATS. OLIVE LUCILE MARRIAGE, Barnhart, Mo.
Filed August 28, 1946. Serial No. 508,176. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,160. TEXTILE FABRIC IN THE PIECE MADE OF RAYON. F. DUCHARNE SILK CO., INC., New York, N. Y.
Filed September 14, 1946. Serial No. 509,077. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,161. TEXTILE AND LIKE DYES. EUREKA LABORATORIES, Dallas, Tex.
Filed September 16, 1946. Serial No. 509,144. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,162. TOILET BOWL CLEANER. PUR-BOL PRODUCTS COMPANY, Canton, Ohio.
Filed October 1, 1946. Serial No. 510,026. PUBLISHED OCTOBER 21, 1947. Class 4.
- 436,163. CURTAIN DRAPES. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed October 2, 1946. Serial No. 510,066. PUBLISHED OCTOBER 21, 1947. Class 42.
- 436,164. COMPOUND FOR CLEANING AND PRESERVING THE FINISH OF MOTOR VEHICLES. THE DU BOIS COMPANY, Cincinnati, Ohio.
Filed October 2, 1946. Serial No. 510,070. PUBLISHED OCTOBER 21, 1947. Class 4.
- 436,165. TEXTILE FABRICS IN THE PIECE MADE OF WOOL, SILK, COTTON, RAYON, AND MIXTURES THEREOF. J. B. MARTIN COMPANY, Norwich, Conn.
Filed October 5, 1946. Serial No. 510,329. PUBLISHED OCTOBER 14, 1947. Class 42.

- 436,166. COTTON PIECE GOODS. TURNER HALSEY EXPORT CORPORATION, New York, N. Y.
Filed October 10, 1946. Serial No. 510,626. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,167. CLEANSING COMPOUND USED FOR VATS AND TANKS IN THE BEVERAGE INDUSTRY. NATIONAL FILTER CORPORATION, New York, N. Y.
Filed October 12, 1946. Serial No. 510,793. PUBLISHED OCTOBER 21, 1947. Class 4.
- 436,168. COTTON PIECE GOODS. TURNER HALSEY EXPORT CORPORATION, New York, N. Y.
Filed October 12, 1946. Serial No. 510,816. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,169. BARREL CHOKING DEVICES FOR FIREARMS. THE POLY CHOKE COMPANY, INCORPORATED, Tariffville, Conn.
Filed October 15, 1946. Serial No. 510,891. PUBLISHED OCTOBER 28, 1947. Class 9.
- 436,170. HAIR DRESSING AND SHAMPOO. EUGENE LARD HENDERSON, doing business as La Jean Product Company, Meridian, Miss.
Filed October 16, 1946. Serial No. 510,952. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,171. VITAMINIC MINERAL FOOD SUPPLEMENT PREPARATIONS. MINERALIZED FOODS, INC., doing business as Sea Vegetation Import Co., Baltimore, Md.
Filed October 16, 1946. Serial No. 510,967. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,172. SWEEPING COMPOUND FOR USE ON FLOORS, FOR POLISHING AND LAYING DUST, AND FOR OTHER HOUSEHOLD CLEANING PURPOSES. WITHERS & WELFORD OIL CO., INC., Memphis, Tenn.
Filed October 16, 1946. Serial No. 510,990. PUBLISHED OCTOBER 21, 1947. Class 4.
- 436,173. ESTROGENIC AND SEDATIVE PREPARATION FOR CONTROLLING NERVOUS AND PSYCHIC SYMPTOMS ACCOMPANYING VASOMOTOR DISTURBANCES OF THE MENOPAUSE. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 18, 1946. Serial No. 511,121. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,174. ROLLED BARS AND SHEETS OF MAGNET STEEL. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y.
Filed October 19, 1946. Serial No. 511,140. PUBLISHED OCTOBER 28, 1947. Class 14.
- 436,175. VEGETABLE OIL SOLUTION OF ESTROGENIC HORMONES USED IN REPLACEMENT THERAPY FOR USE IN THE TREATMENT OF MENOPAUSE, AMENORRHEA, PAINFUL BREASTS, VULVOVAGINITIS, OVARIAN DEFICIENCY, AND INFANTALISM. C. F. KIRK COMPANY, New York, N. Y.
Filed October 19, 1946. Serial No. 511,165. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,176. INTRAMUSCULAR INJECTION FOR NON-SPECIFIC PROTEIN THERAPY FOR USE IN THE TREATMENT OF VARIOUS FORMS OF ARTHRITIS AND INFECTIOUS DISEASES. C. F. KIRK COMPANY, New York, N. Y.
Filed October 19, 1946. Serial No. 511,169. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,177. PERFUMES. SOCIÉTÉ D'ETUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris, and Asnières, near Paris, France.
Filed October 23, 1946. Serial No. 511,356. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,178. MEDICATED OINTMENT. JOHNSTON, HOLLOWAY & CO., INC., Philadelphia, Pa.
Filed October 24, 1946. Serial No. 511,394. PUBLISHED NOVEMBER 4, 1947. Class 6.

- 436,179. OINTMENT USED IN THE PREVENTION OF DRYNESS OF SKIN WHICH USUALLY FOLLOWS INTENSIVE OR PROLONGED IRRADIATION. VILVET PHARMACEUTICAL PRODUCTS CO., INC., New York, N. Y.
Filed October 25, 1946. Serial No. 511,521. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,180. DOG FOOD MEAL, WHOLE BISCUITS AND KIBBLED BISCUITS FOR DOG FOOD, DOG FOOD PELLETS, BIRD SEED, AND YEAST. KUEHN MILLING COMPANY, Redwood City, Calif.
Filed October 30, 1946. Serial No. 511,745. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,181. PERFUMES, TOILET WATERS, ASTRINGENT LOTIONS, EYESHADOW, FACE POWDER, LIPSTICK, ROUGE, FACE CREAMS, FACE LOTIONS, DUSTING TALCS, BUBBLE BATH, AND SHAMPOOS. G. A. BELING AND COMPANY, New York, N. Y.
Filed November 2, 1946. Serial No. 511,926. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,182. HYBRID SEED CORN. MAY SEED & NURSERY CO., doing business as Earl E. May Seed Co., Shenandoah, Iowa.
Filed November 4, 1946. Serial No. 512,010. PUBLISHED NOVEMBER 4, 1947. Class 1.
- 436,183. PREPARATION FOR FALLING HAIR AND ITCHING SCALP. ROXANNA E. FLOOD, doing business as Roxbeth Products, Columbus, Ohio.
Filed November 6, 1946. Serial No. 512,114. PUBLISHED OCTOBER 21, 1947. Class 6.
- 436,184. TOILET PREPARATIONS—NAMESLY, LANOLIN, LANOLIN FACE CREAM, LANOLIN LOTION, SHAMPOO, AFTER-SHAVE LOTION, LIPSTICKS, FACE POWDER, AND HAIR TONIC; AND FOR PHARMACEUTICAL PREPARATIONS—NAMESLY, MEDICATED SKIN CREAM AND DRAWING SALVE. BOTANY WORSTED MILLS, Passaic, N. J., now by change of name Botany Mills, Inc., a corporation of New Jersey.
Filed November 9, 1946. Serial No. 512,319. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,185. STEEL CASTINGS. CHICAGO STEEL FOUNDRY COMPANY, Chicago, Ill.
Filed November 9, 1946. Serial No. 512,322. PUBLISHED OCTOBER 28, 1947. Class 14.
- 436,186. CANNED BONED CHICKEN, CHICKEN A LA KING, CHICKEN AND VEGETABLE DINNER AND CHICKEN NOODLE DINNER. LEWIS SAMUEL TAYLOR, JR., doing business as Pik-o-Pantry Foods, Chicago, Ill.
Filed November 13, 1946. Serial No. 512,544. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,187. MARGARINE. THE MIAMI MARGARINE COMPANY, Cincinnati, Ohio.
Filed November 14, 1946. Serial No. 512,597. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,188. LAUNDRY SOAP, TOILET SOAP, ABRASIVE WINDOW CLEANER, SPOT REMOVER FOR CLOTHING AND FABRIC, SHOE POLISH, AND SILVER POLISH. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed November 22, 1946. Serial No. 513,029. PUBLISHED OCTOBER 21, 1947. Class 4.
- 436,189. BLUING AGENT FOR TEXTILES. GEIGY COMPANY, INC., New York, N. Y.
Filed November 22, 1946. Serial No. 513,046. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,190. FACE CREAMS AND FACE LOTIONS. ELMO SALES CORPORATION, Philadelphia, Pa.
Filed November 26, 1946. Serial No. 513,240. PUBLISHED OCTOBER 21, 1947. Class 6.

- 436,191. NICKEL-CONTAINING CAST IRON HAVING CONTROLLED LOW-EXPANSION PROPERTIES. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed November 27, 1946. Serial No. 513,312. PUBLISHED OCTOBER 28, 1947. Class 14.
- 436,192. NICKEL-CONTAINING CAST IRON HAVING CONTROLLED LOW-EXPANSION PROPERTIES. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed November 27, 1946. Serial No. 513,313. PUBLISHED OCTOBER 28, 1947. Class 14.
- 436,193. EYE GLASS CLEANER AND POLISH. BENJAMIN W. KAHN, Chicago, Ill.
Filed November 29, 1946. Serial No. 513,429. PUBLISHED OCTOBER 21, 1947. Class 4.
- 436,194. NAIL LACQUERS. DERMETICS, INC., New York, N. Y.
Filed December 5, 1946. Serial No. 513,725. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,195. FRESH VEGETABLES. KESSEE PACKING COMPANY, Belle Glade, Fla.
Filed December 5, 1946. Serial No. 513,744. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,196. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed December 5, 1946. Serial No. 513,778. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,197. MOTOR TRUCKS AND AUTOMOBILES. DIAMOND T MOTOR CAR COMPANY, Chicago, Ill.
Filed December 6, 1946. Serial No. 513,807. PUBLISHED SEPTEMBER 2, 1947. Class 19.
- 436,198. MOTOR TRUCKS AND AUTOMOBILES. DIAMOND T MOTOR CAR COMPANY, Chicago, Ill.
Filed December 6, 1946. Serial No. 513,308. PUBLISHED SEPTEMBER 2, 1947. Class 19.
- 436,199. LEATHER. B. D. EISENDRATH TANNING CO., Chicago, Ill., and Racine, Wis.
Filed December 13, 1946. Serial No. 514,189. PUBLISHED NOVEMBER 4, 1947. Class 1.
- 436,200. HOUSEHOLD CLEANER. BERNARD E. MACKINNON, doing business as Foam-Mix Products Co., Buffalo, N. Y.
Filed December 16, 1946. Serial No. 514,365. PUBLISHED NOVEMBER 4, 1947. Class 4.
- 436,201. BLOOD CLOTTING PREPARATION FOR USE IN DENTISTRY AND A PREPARATION FOR USE IN ANTIBACTERIAL THERAPY. SHARP & DORRIS, INCORPORATED, Philadelphia, Pa.
Filed December 18, 1946. Serial No. 514,501. PUBLISHED AUGUST 26, 1947. Class 6.
- 436,202. SHADE-CLOTH. THE CHAS. W. BRENNEMAN CO., Cincinnati, Ohio.
Filed December 21, 1946. Serial No. 514,643. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,203. CANNED VEGETABLE JUICES—NAMESLY, CANNED TOMATO JUICE. L. C. GROVER, doing business as Chaver Trading Company, San Francisco, Calif.
Filed December 23, 1946. Serial No. 514,708. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,204. DIURETIC PILLS; LAXATIVE POWDERS; COLD TABLETS; MINERAL OIL; MILK OF MAGNESIA; COD LIVER OIL; CASTOR OIL; EPSOM SALTS; ASPIRIN; EYE WATER; PINE-TAR HONEY; AND RUBBING ALCOHOL. PLOUGH, INC., Memphis, Tenn.
Filed December 24, 1946. Serial No. 514,773. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,205. LIGHTER FLUID. PLOUGH, INC., Memphis, Tenn.
Filed December 24, 1946. Serial No. 514,774. PUBLISHED NOVEMBER 4, 1947. Class 6.

- 436,206. CARBON PAPER. MCGREGOR & WERNER, INCORPORATED, Washington, D. C.
Filed December 30, 1946. Serial No. 515,035. PUBLISHED OCTOBER 28, 1947. Class 11.
- 436,207. PERFUME AND TOILET WATER. NORMAN S. FRANKEL, New York, N. Y.
Filed December 31, 1946. Serial No. 515,093. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,208. TREATED PETROLEUM MICROCRYSTAL-LINE WAX FOR USE AS A TEXTILE TREATING MATERIAL AND AS A RESIN CONSTITUENT. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed December 31, 1946. Serial No. 515,135. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,209. GERMICIDAL AND ANTI-BACTERIAL SOLUTION FOR SURGICAL INSTRUMENT STERILIZATION AND AS A HUMAN SKIN DISINFECTANT. ROBERT C. HARRY, doing business as Harbro Company, Kansas City, Kans.
Filed January 6, 1947. Serial No. 515,306. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,210. CANNED FISH. SEUFERT BROTHERS COMPANY, The Dalles, Oreg.
Filed January 8, 1947. Serial No. 515,461. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,211. CARDIO-TONIC DRUG. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., assignor to Winthrop Stearns Inc., New York, N. Y., a corporation of Delaware.
Filed January 9, 1947. Serial No. 515,524. PUBLISHED SEPTEMBER 9, 1947. Class 6.
- 436,212. LINSEED OIL SOAP FOR GENERAL CLEANING. HOCKADAY, INC., Chicago, Ill.
Filed January 10, 1947. Serial No. 515,559. PUBLISHED NOVEMBER 4, 1947. Class 4.
- 436,213. LIQUID PREPARATION USED AS A DISINFECTANT, ANTISEPTIC, DEODORANT, AND HAVING INCIDENTAL PROPERTIES OF A CLEANER AND DETERGENT FOR HOUSEHOLD, INDUSTRIAL, AND HUMAN USE. G. H. WOOD & COMPANY LIMITED, Toronto, Ontario, Canada.
Filed January 18, 1947. Serial No. 515,973. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,214. VINYL-TYPE PLASTIC SHEETING, SOLD IN ROLLS, FOR USE IN MAKING INTO WINDOW CURTAINS AND DRAPES, HANDBAGS, SHOES, AND THE LIKE. THE MCCORDI CORPORATION, New York, N. Y.
Filed January 21, 1947. Serial No. 516,065. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,215. FROZEN VEGETABLES AND FROZEN DECIDUOUS FRUITS. IELMINI BROS., doing business as Patterson Frozen Foods, Patterson, Calif.
Filed January 21, 1947. Serial No. 516,077. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,216. WASHING COMPOUND IN POWDER FORM. E. F. PATTERSON, doing business as Pa-Tron Products Co., Dallas, Tex.
Filed January 22, 1947. Serial No. 516,147. PUBLISHED OCTOBER 28, 1947. Class 4.
- 436,217. LIQUID AND PASTE MATERIALS FOR CLEANING AND POLISHING METAL, GLASS, PORCELAIN, AND OTHER NON-POROUS SURFACES. PLAZE, INC., St. Louis, Mo.
Filed January 31, 1947. Serial No. 516,720. PUBLISHED NOVEMBER 4, 1947. Class 4.
- 436,218. WOVEN TEXTILE FABRICS IN THE PIECE OF RAYON AND NYLON YARNS OR MIXTURES THEREOF. PEDIGREE FABRICS, INC., New York, N. Y.
Filed February 1, 1947. Serial No. 516,785. PUBLISHED OCTOBER 14, 1947. Class 42.

- 436,219. LIQUID-IMPREGNATED PAPER FOR DUSTING, CLEANING AND POLISHING FURNITURE AND OTHER VARNISHED AND PAINTED SURFACES. MASON KYLE, doing business as Shamltex, Baltimore, Md.
Filed February 3, 1947. Serial No. 516,856. PUBLISHED NOVEMBER 4, 1947. Class 4.
- 436,220. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed February 5, 1947. Serial No. 516,977. PUBLISHED APRIL 15, 1947. Class 27.
- 436,221. RAYON AND COTTON PIECE GOODS. PONE-MAH MILLS, Taftville, Conn.
Filed February 7, 1947. Serial No. 517,157. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,222. SKIN LOTION FOR USE AS A BEAUTY AID. LORAN S. O'BANNON, doing business as The Banhill Company, Columbus, Ohio.
Filed February 10, 1947. Serial No. 517,260. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,223. COAL. PREMIER JELLICO COAL CORPORATION, Middlesboro, Ky.
Filed February 10, 1947. Serial No. 517,261. PUBLISHED NOVEMBER 4, 1947. Class 1.
- 436,224. FORGINGS. ATLANTIC STEEL COMPANY, Atlanta, Ga.
Filed February 11, 1947. Serial No. 517,285. PUBLISHED OCTOBER 28, 1947. Class 14.
- 436,225. SYNTHETIC RESIN IN SOLID AND LIQUID FORM FOR USE IN SURFACE COATING MATERIALS. BOSTON VARNISH COMPANY, Everett, Mass.
Filed February 12, 1947. Serial No. 517,348. PUBLISHED NOVEMBER 4, 1947. Class 1.
- 436,226. SYNTHETIC RESIN IN SOLID AND LIQUID FORM FOR USE IN SURFACE COATING MATERIALS. BOSTON VARNISH COMPANY, Everett, Mass.
Filed February 12, 1947. Serial No. 517,349. PUBLISHED NOVEMBER 4, 1947. Class 1.
- 436,227. POTATO CHIPS. W. T. PHILLIPS, JR., doing business as W. T. Phillips & Son, Hampton, Va.
Filed February 12, 1947. Serial No. 517,377. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,228. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed February 13, 1947. Serial No. 517,414. PUBLISHED NOVEMBER 4, 1947. Class 27.
- 436,229. WASH CLOTHS AND TOWELS. OWENBY MANUFACTURING COMPANY, Marietta, Ga.
Filed February 17, 1947. Serial No. 517,659. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,230. CHEWING GUM. WM. WRIGLEY JR. COMPANY, Chicago, Ill.
Filed February 17, 1947. Serial No. 517,680. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,231. FOLIC ACID (CRUDE) TO BE USED IN FEED SUPPLEMENTS (VETERINARY). AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed February 26, 1947. Serial No. 518,122. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,232. SACCHARIN TABLETS. SIGMA CHEMICAL CO., St. Louis, Mo.
Filed February 26, 1947. Serial No. 518,176. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,233. DISINFECTANT AND BACTERICIDAL MATERIAL IN POWDERED OR LIQUID FORM CONTAINING A QUARTERNARY AMMONIUM SALTS COMPOUND, WITH OR WITHOUT CLEANING AGENTS. THE CHEMICAL CORPORATION, Springfield, Mass.
Filed March 5, 1947. Serial No. 518,518. PUBLISHED NOVEMBER 4, 1947. Class 6.

- 436,234. WELDING WIRE MADE OF A NICKEL-COPPER ALLOY. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed March 6, 1947. Serial No. 518,602. PUBLISHED OCTOBER 28, 1947. Class 14.
- 436,235. WELDING WIRE MADE OF A NICKEL-CHROMIUM-IRON ALLOY. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed March 6, 1947. Serial No. 518,603. PUBLISHED OCTOBER 28, 1947. Class 14.
- 436,236. WELDING WIRE MADE OF NICKEL. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed March 6, 1947. Serial No. 518,604. PUBLISHED OCTOBER 28, 1947. Class 14.
- 436,237. CHOLAGOGUES AND CHOLERETICS FOR THE TREATMENT OF ALL DISEASES OF THE LIVER, ETC. AMES COMPANY, INC., Elkhart, Ind.
Filed March 7, 1947. Serial No. 518,639. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,238. CHOLAGOGUES AND CHOLERETICS FOR THE TREATMENT OF ALL DISEASES OF THE LIVER AND BILE DUCTS SUCH AS CHOLANGITIS (JAUNDICE) AND CHOLELITHIASIS, DIURETICS IN NONCOMPENSATED HEART DEFECTS AND ASCITES WITH CIRRHOTIC DISEASES OF THE LIVER, ETC. AMES COMPANY, INC., Elkhart, Ind.
Filed March 7, 1947. Serial No. 518,640. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,239. TABLECLOTHS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 7, 1947. Serial No. 518,685. PUBLISHED OCTOBER 21, 1947. Class 42.
- 436,240. FERTILIZERS. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed March 17, 1947. Serial No. 519,117. PUBLISHED OCTOBER 28, 1947. Class 10.
- 436,241. FERTILIZER AND FERTILIZER MATERIALS. NACO FERTILIZER COMPANY, New York, N. Y.
Filed March 21, 1947. Serial No. 519,408. PUBLISHED OCTOBER 21, 1947. Class 10.
- 436,242. NEUTRAL DYEING ACID DYESTUFF. BICK & CO., INC., Reading, Pa.
Filed March 28, 1947. Serial No. 519,723. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,243. NEUTRAL DYEING ACID DYESTUFF. BICK & CO., INC., Reading, Pa.
Filed March 28, 1947. Serial No. 519,724. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,244. NEUTRAL DYEING ACID DYESTUFF. BICK & CO., INC., Reading, Pa.
Filed March 28, 1947. Serial No. 519,725. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,245. NEUTRAL DYEING ACID DYESTUFF. BICK & CO., INC., Reading, Pa.
Filed March 28, 1947. Serial No. 519,726. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,246. NEUTRAL DYEING ACID DYESTUFF. BICK & CO., INC., Reading, Pa.
Filed March 28, 1947. Serial No. 519,727. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,247. HEATING EFFICIENCY PREPARATIONS—NAMES, COMPOSITION FOR TREATMENT OF FUEL OILS TO ELIMINATE SLUDGE; SANITATION PREPARATIONS—NAMES, FRAGRANT DEODORANT SPRAY COMPOUNDS, PINE OIL DISINFECTANT, ETC. METROPOLITAN REFINING CO., INC., Long Island City and New York, N. Y.
Filed April 1, 1947. Serial No. 519,968. PUBLISHED OCTOBER 28, 1947. Class 6.
- 436,248. SHOCK ABSORBER OIL. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed April 2, 1947. Serial No. 520,061. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,249. PET FOOD FOR DOGS, CATS AND OTHER CARNIVOROUS ANIMALS, CONSISTING OF A COOKED PREPARATION OF MEAT, VEGETABLE, AND CEREAL PRODUCTS. ROBERT T. HAMMOND, doing business as Hammond Mfg. Co., Denver, Colo.
Filed April 3, 1947. Serial No. 520,102. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,250. CANNED DOG AND CAT FOOD. TIMMERSON CANNING CO., INC., Martville, N. Y.
Filed April 5, 1947. Serial No. 520,241. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,251. SALAD DRESSINGS. MILDRED A. CHRISTIANSEN, doing business as "Minoka Manufacturing Co.," Anoka, Minn.
Filed April 7, 1947. Serial No. 520,264. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,252. TOILET WATERS, LOTIONS FOR THE SKIN, PERFUME ESSENCES, TOILET POWDERS, TALCS, LIPSTICKS, MASCARA, EYEBROW PENCILS, EYE SHADOW, TOOTH PASTES, DENTIFRICES, PERFUMED HAIR OILS AND POMADES, HAIR TONICS, COLOGNE WATER, AND PERFUMES OF ALL KINDS. AUGUSTIN REYES GARCIA, Habana, Cuba.
Filed April 7, 1947. Serial No. 520,275. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,253. CREAMY POWDER FOUNDATION TO BE PATTED ON THE SKIN. ELIZABETH ARDEN SALMS CORPORATION, New York, N. Y.
Filed April 8, 1947. Serial No. 520,330. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,254. POTATO CHIPS. F & L FOOD PRODUCTS CO., Colorado Springs, Colo.
Filed April 8, 1947. Serial No. 520,332. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,255. MARSHMALLOWS. THE CRACKER JACK CO., Chicago, Ill.
Filed April 18, 1947. Serial No. 520,933. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,256. LIVESTOCK AND POULTRY FEEDS—NAMELY, SUN DRIED AND ARTIFICIALLY DEHYDRATED ALFALFA, ETC. U. S. ALFALFA PRODUCTS CORP., Verdon and Lexington, Nebr.
Filed April 21, 1947. Serial No. 521,047. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,257. BLEND OF VEGETABLE OIL AND OLIVE OIL USED FOR COOKING PURPOSE. C & S PACKING CO., Brooklyn, N. Y.
Filed April 21, 1947. Serial No. 521,058. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,258. SANDWICH SPREAD, ALSO USED AS A CONDIMENT RELISH. SALAD KING COMPANY, Baltimore, Md.
Filed April 22, 1947. Serial No. 521,151. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,259. FRESH GRAPES, CANNED FISH—NAMELY, SARDINES AND CANNED ABALONE. OTTO SCHALK, doing business as Worldwide Trading Company, San Francisco, Calif.
Filed April 22, 1947. Serial No. 521,152. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,260. BOTTLED CONCENTRATED ORANGE JUICE. PURE DRINKS, INC., Cleveland, Ohio.
Filed April 23, 1947. Serial No. 521,207. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,261. COFFEE. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed April 23, 1947. Serial No. 521,217. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,262. HOUSEHOLD CLEANER. S-M-S PRODUCTS, INC., Harrison, N. Y.
Filed April 26, 1947. Serial No. 521,412. PUBLISHED OCTOBER 14, 1947. Class 4.

436,263. ANTISEPTIC SURGICAL POWDER SALVE FOR USE IN THE TREATMENT OF PILES, SORES, BURNS, BRUISES, RINGWORM, ITCHING, INSECT BITES, CHAFING, OLD SORES, TETTER, POISON IVY AND POISON OAK, HEAT RASH, ATHLETE'S FOOT, AND ECZEMA. NORA E. BREWER, Tarboro, N. C.

Filed May 1, 1947. Serial No. 521,630. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,264. COMMERCIAL FERTILIZER. THE BAUGH AND SONS COMPANY, Baltimore, Md.

Filed May 3, 1947. Serial No. 521,785. PUBLISHED OCTOBER 28, 1947. Class 10.

436,265. PERFUMES, TOILET WATERS, ROUGE, LIP-STICK, AND FACE CREAMS. EDMOND ROSENS, Paris, France.

Filed May 7, 1947. Serial No. 522,044. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,266. FOUNTAIN AND RUBBER BULB SYRINGES, FOR RECTAL AND VAGINAL USE. THE MARVEL COMPANY, New Haven, Conn.

Filed May 20, 1947. Serial No. 522,717. PUBLISHED NOVEMBER 4, 1947. Class 44.

436,267. WATCHES, WATCH CASES AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.

Filed May 22, 1947. Serial No. 522,822. PUBLISHED NOVEMBER 4, 1947. Class 27.

436,268. SEMI-DURABLE WAX WATER REPELLENT OR AN AQUEOUS TYPE OF WAX EMULSION WHICH IS USED TO IMPART TO CLOTH A HIGH DEGREE OF WATER REPELLENCY. AMERICAN CYANAMID COMPANY, New York, N. Y.

Filed May 23, 1947. Serial No. 522,923. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,269. LAXATIVE. AMERICAN DIETALDS COMPANY, Inc., Yonkers, N. Y.

Filed May 24, 1947. Serial No. 522,969. PUBLISHED OCTOBER 28, 1947. Class 6.

436,270. PREPARATIONS FOR USE IN PERMANENT HAIR WAVING. MADELINE ELIZABETH CASH, doing business as "Madeline's," Canton, Ohio.

Filed June 4, 1947. Serial No. 523,513. PUBLISHED OCTOBER 28, 1947. Class 6.

436,271. CHEMICAL TOXICANTS FOR USE AS MOTH-PROOFING AGENTS ON TEXTILES, FELT, WOOD, AND PAPER. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.

Filed June 4, 1947. Serial No. 523,529. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,272. LAUNDRY STARCH. LAUNDERETTE SOAP CORPORATION, New York, N. Y.

Filed June 5, 1947. Serial No. 523,592. PUBLISHED OCTOBER 28, 1947. Class 6.

436,273. SOAP. ARMOUR AND COMPANY, Chicago, Ill.

Filed June 7, 1947. Serial No. 523,879. PUBLISHED OCTOBER 21, 1947. Class 4.

436,274. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.

Filed June 11, 1947. Serial No. 523,993. PUBLISHED OCTOBER 28, 1947. Class 28.

436,275. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.

Filed June 11, 1947. Serial No. 523,994. PUBLISHED OCTOBER 28, 1947. Class 28.

436,276. STERLING SILVER FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.

Filed June 11, 1947. Serial No. 523,995. PUBLISHED OCTOBER 28, 1947. Class 28.

436,277. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.

Filed June 11, 1947. Serial No. 523,996. PUBLISHED OCTOBER 28, 1947. Class 28.

436,278. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.

Filed June 11, 1947. Serial No. 523,999. PUBLISHED OCTOBER 28, 1947. Class 28.

436,279. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.

Filed June 11, 1947. Serial No. 524,000. PUBLISHED OCTOBER 28, 1947. Class 28.

436,280. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.

Filed June 11, 1947. Serial No. 524,001. PUBLISHED OCTOBER 28, 1947. Class 28.

436,281. FACE POWDER, HAIR OILS AND TONICS, BRILLIANTINE, TALCUM POWDER, PERFUMES, TOILET WATER, COLOGNE, NAIL POLISH, AND BODY DEODORANTS. BERNICE M. PICCHIETTI, doing business as Bernice of Hollywood Cosmetics, Chicago, Ill.

Filed June 14, 1947. Serial No. 524,206. PUBLISHED OCTOBER 28, 1947. Class 6.

436,282. FOOT POWDER. JOHN HUDSON MOORE, Inc., New York, N. Y.

Filed June 17, 1947. Serial No. 524,331. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,283. CLEANSING CREAM FOR REMOVING HECTOGRAPH AND OTHER DUPLICATING INK STAINS FROM THE HANDS. KRAYE MANUFACTURING CO. INC., Elizabeth, N. J.

Filed June 18, 1947. Serial No. 524,402. PUBLISHED OCTOBER 21, 1947. Class 4.

436,284. CLEANSER AND POLISH FOR LENSES. MODERN SUPPLY COMPANY, Pittsburgh, Pa.

Filed June 18, 1947. Serial No. 524,409. PUBLISHED OCTOBER 28, 1947. Class 4.

436,285. GLOVES AND PADS TO BE USED FOR APPLYING MEDICAMENTS. CANADIAN RADIUM & URANIUM CORPORATION, New York, N. Y.

Filed June 19, 1947. Serial No. 524,443. PUBLISHED OCTOBER 21, 1947. Class 44.

436,286. SKIN SOAP. DERMETICS, Inc., New York, N. Y.

Filed June 21, 1947. Serial No. 524,593. PUBLISHED OCTOBER 28, 1947. Class 4.

436,287. TOILETRIES FOR USE BY MEN AND SOLD IN KITS CONTAINING THREE OR MORE OF THE FOLLOWING PREPARATIONS, SHAMPOO, HAIR DRESSING, AFTER SHAVING LOTION, TALCUM POWDER, AND DEODORANT. DERMETICS, Inc., New York, N. Y.

Filed June 21, 1947. Serial No. 524,598. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,288. DUSTING POWDER OF MEDICINAL CHARACTERISTICS FOR LOCAL APPLICATION TO THE SKIN. VODINE COMPANY, Chicago, Ill.

Filed June 21, 1947. Serial No. 524,639. PUBLISHED OCTOBER 28, 1947. Class 6.

436,289. HAIR DRESSING. ELIZABETH LEE, Buffalo, N. Y.

Filed June 25, 1947. Serial No. 524,786. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,290. PIECE GOODS OF COTTON, WOOL, WORSTED, OR HAIR. KESSLER & CO. LIMITED, Manchester, England.

Filed June 28, 1947. Serial No. 525,086. PUBLISHED OCTOBER 14, 1947. Class 42.

436,291. PIECE GOODS OF COTTON, WOOL, WORSTED, OR HAIR. KESSLER & CO. LIMITED, Manchester, England.

Filed June 28, 1947. Serial No. 525,087. PUBLISHED OCTOBER 14, 1947. Class 42.

436,292. ROUND WORM AND HOOKWORM CAPSULES FOR DOG AND FOX PUPPIES. NATIONAL CANINE PRODUCTS, Inc., New York and Brooklyn, N. Y.

Filed June 30, 1947. Serial No. 525,232. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,293. CHEMICALS FOR INDUSTRIAL AND OTHER USES—NAMELY, PLASTICIZERS, WETTING AGENTS, SOLVENTS, AND INSECT REPELLENT. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.

Filed July 2, 1947. Serial No. 525,537. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,294. CLEANSING, EMOLLIENT, AND FOUNDATION COSMETIC CREAMS AND LOTIONS FOR THE HANDS, FACE, AND BODY. E. MARIA HAMMOND, New York, N. Y.

Filed July 2, 1947. Serial No. 525,591. PUBLISHED NOVEMBER 4, 1947. Class 6.

436,295. COLOGNE. BEN PICKARD, Chicago, Ill.

Filed July 2, 1947. Serial No. 525,674. PUBLISHED OCTOBER 28, 1947. Class 6.

436,296. HAIR DRESSING. W. F. FORD, doing business as Ford Distributing Company, Marvell, Ark.

Filed July 3, 1947. Serial No. 525,817. PUBLISHED NOVEMBER 4, 1947. Class 6.

ACT OF 1920

These registrations are not subject to opposition.

436,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WORLD'S MUSHROOM CENTER SPECIALTY CANNING CO., Kennett Square, Pa., assignor to Mushroom Products, Inc., Kennett Square, Pa. Filed Jan. 29, 1946. Serial No. 495,646.

CENTER'S BEST

FOR CANNED MUSHROOMS AND CANNED MUSHROOM SOUP.

Claims use since Jan. 17, 1946.

436,298. (CLASS 19. VEHICLES.) M. E. FOSTER, Los Angeles, Calif. Filed Apr. 15, 1946. Serial No. 500,211.

CUSHION RIDE

FOR HEAVY DUTY COMMERCIAL TRAILERS.

Claims use since Mar. 22, 1946.

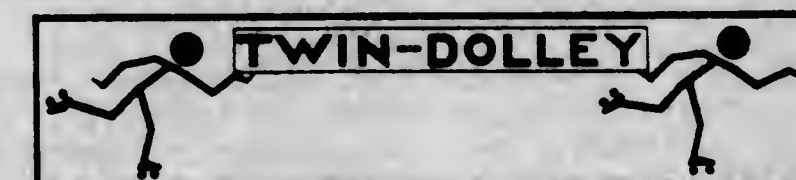
436,299. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AMERICAN SOUND PRODUCTS, Inc., Chicago, Ill. Filed July 11, 1946. Serial No. 505,381.

CLEAR-TONE

FOR HEARING AIDS FOR THE ALLEVIATION OF DEAFNESS.

Claims use since Apr. 20, 1946.

436,300. (CLASS 19. VEHICLES.) RUGER EQUIPMENT COMPANY, Portland, Ore. Filed July 30, 1946. Serial No. 506,552.



FOR DOLLIES OR TINY TRUCKS, HAVING CASTOR-LIKE WHEELS, DESIGNED TO BE PLACED UNDER PIECES OF FURNITURE AS AN AID IN MOVING FURNITURE ABOUT ON THE FLOOR.

Claims use since Jan. 2, 1946.

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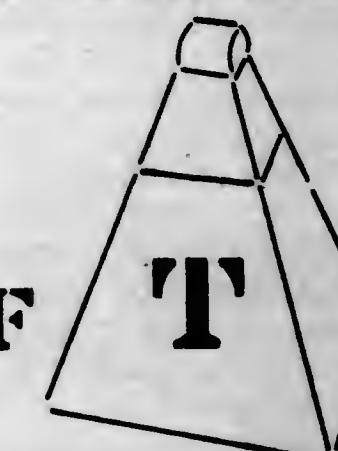
436,301. (CLASS 2. RECEPTACLES.) H. D. HUDSON MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 11, 1946. Serial No. 510,688.

HUDSON

FOR METAL TANKS, CISTERNS, AND TROUGHS USED IN THE CARE OF LIVESTOCK.

Claims use since 1930.

436,302. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) DANIEL J. MARTIN, Berea, Ohio. Filed Dec. 28, 1946. Serial No. 514,830.



SAF T BRN

FOR INCINERATORS, SALAMANDERS, SMUDGE POTS, AND RUBBISH BURNERS.

Claims use since May 22, 1946.

436,303. (CLASS 43. THREAD AND YARN.) WELLINGTON SEARS COMPANY, New York, N. Y. Filed Feb. 25, 1947. Serial No. 518,118.

WELSPUN

FOR YARNS MADE ALL OR IN PART COTTON, WOOL, SYNTHETIC FIBRES, AND MIXTURES OF THE SAME.

Claims use since July 31, 1945.

436,304. (CLASS 31. FILTERS AND REFRIGERATORS.) HARRY F. SOLOMON, Macon, Ga. Filed May 1, 1947. Serial No. 521,696.

KAMP-FREEZER

FOR PORTABLE REFRIGERATOR.

Claims use since Mar. 1, 1946.

TRADE-MARK REGISTRATIONS RENEWED

- 61,601. "IDEAL" ETC. AND DESIGN. Registered Mar. 26, 1907. Kirschbraun & Sons. Re-renewed Mar. 26, 1947, to Frank Pilley & Sons, Inc., Omaha, Nebr., a corporation of Delaware. CREAMERY-BUTTER. Class 46.
- 63,393. "GREAT DANE" AND DESIGN. Registered June 18, 1907. George E. Wye Company. Re-renewed June 18, 1947, to Henry Grieve, doing business under the firm name of George E. Wye Company, Needham, Mass. SWEATERS. Class 39.
- 63,492. "OLD STYLE LAGER" AND DRAWING. Registered June 25, 1907. G. Helleman Brewing Co. Re-renewed June 25, 1947, to G. Helleman Brewing Co., La Crosse, Wis., a corporation of Delaware. BEER. Class 48.
- 63,767. "THE UNIVERSAL" ETC. AND DESIGN. Registered July 9, 1907. The Winterbottom Book Cloth Company Limited, Manchester, England, a limited liability company of Great Britain. Re-renewed July 9, 1947. TRACING-CLOTH. Class 37.
- 63,768. "EXCELSIOR" ETC. AND DESIGN. Registered July 9, 1907. The Winterbottom Book Cloth Company Limited, Manchester, England, a limited liability company of Great Britain. Re-renewed July 9, 1947. TRACING-CLOTH. Class 37.
- 63,771. "BRETELLES" ETC. AND DESIGN. Registered July 9, 1907. P. Bailly & Cie., Paris, France, a firm of France. Re-renewed July 9, 1947. SHOULDER BRACES AND SUSPENDERS. Class 39.
- 63,789. DESIGN OF A SHIELD ETC. Registered July 9, 1907. The Winterbottom Book Cloth Company Limited, Manchester, England, a limited liability company of Great Britain. Re-renewed July 9, 1947. TRACING-CLOTH. Class 37.
- 63,790. "THE IMPERIAL TRACING CLOTH" ETC. AND DESIGN. Registered July 9, 1907. The Winterbottom Book Cloth Company Limited, Manchester, England, a limited liability company of Great Britain. Re-renewed July 9, 1947. TRACING-CLOTH. Class 37.
- 63,791. DESIGN OF A SHIELD. Registered July 9, 1907. The Winterbottom Book Cloth Company Limited, Manchester, England, a limited liability company of Great Britain. Re-renewed July 9, 1947. BOOK-BINDERS' CLOTH. Class 42.
- 63,869. "SUN" AND DESIGN. Registered July 9, 1907. Minot, Hooper & Co., New York, N. Y., a firm. Re-renewed July 9, 1947. SHEETINGS, SHIRTINGS, DRILLINGS AND OSNABURGS. Class 42.
- 63,893. THE BROOKLYN DAILY EAGLE. Registered July 16, 1907. The Brooklyn Eagle, Inc., Brooklyn, N. Y., a corporation of New York. NEWSPAPERS. Class 38.
- 63,901. "RELIANCE" ETC. AND DESIGN. Registered July 16, 1907. The Winterbottom Book Cloth Company Limited, Manchester, England, a limited liability company of Great Britain. Re-renewed July 16, 1947. TRACING-CLOTH. Class 37.
- 64,222. "RED GOOSE" AND DRAWING. Registered July 30, 1907. Giesecke-D'Oench-Hays Shoe Company. Re-renewed July 30, 1947, to International Shoe Company, St. Louis, Mo., a corporation of Delaware. YOUTHS', MISSES', BOYS', GIRLS', AND CHILDREN'S LEATHER SHOES. Class 39.
- 64,533. MULLERITE. Registered Aug. 13, 1907. Société Anonyme des Explosifs de Clermont Muller & Cie., Liege, Belgium. Re-renewed Aug. 13, 1947, to Poudreries Reunies de Belgique, Société Anonyme, Brussels, Belgium, a corporation of Belgium. GUNPOWDER FOR SPORTING AND MILITARY PURPOSES. Class 9.
- 64,703. TRUSSIT. Registered Aug. 20, 1907. The General Fireproofing Co. Re-renewed Aug. 20, 1947, to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan. EXPANDED METAL STRUCTURES. Class 12.
- 65,051. VESTIBULE BRAND. Registered Sept. 3, 1907. E. F. Hemingway & Co., Baltimore, Md. Re-renewed Sept. 3, 1947, to The Greencastle Packing Company, Greencastle, Pa., a corporation of Pennsylvania. CANNED FRUITS AND VEGETABLES. Class 46.
- 65,063. UNIVERSAL. Registered Sept. 3, 1907. William M. Dudgeon, executor of Richard Dudgeon. Re-renewed Sept. 3, 1947, to Richard Dudgeon, Inc., New York, N. Y., a corporation of New York. HYDRAULIC JACKS. Class 23.
- 65,066. "UNIVERSAL 1906 R. DUDGEON" ETC. AND DESIGN. Registered Sept. 3, 1907. William M. Dudgeon, executor of Richard Dudgeon. Re-renewed Sept. 3, 1947, to Richard Dudgeon, Inc., New York, N. Y., a corporation of New York. HYDRAULIC JACKS. Class 23.
- 65,094. CLOVER LEAF DESIGN. Registered Sept. 10, 1907. Edward B. Gallaher, New York, N. Y. Re-renewed Sept. 10, 1947, to The Clover Manufacturing Company, Norwalk, Conn., a corporation of New York. METAL-POLISH. Class 4.
- 65,291. SCHERING. Registered Sept. 17, 1907. Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Re-renewed Sept. 17, 1947, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware. ANTI-PYRETICS, ANTI-RHEUMATICS, URIC ACID SOLVENTS, ANESTHETICS, AND GLYCERO-PHOSPHATES. Class 6.
- 65,626. SCHERING. Registered Oct. 15, 1907. Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Re-renewed Oct. 15, 1947, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware. ANTISEPTICS, DEODORANTS, AND DISINFECTANTS. Class 6.
- 65,947. "GREENWOODS" AND DRAWING. Registered Oct. 29, 1907. Mount Vernon-Woodberry Cotton Duck Company. Re-renewed Oct. 29, 1947, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md., a corporation of Maryland. COTTON DUCK. Class 42.
- 65,959. DR. PIERRE'S. Registered Nov. 5, 1907. Dr. Pierre Chemical Company. Re-renewed Nov. 5, 1947, to Dr. Pierre Chemical Company, Chicago, Ill., a corporation of Delaware. SUPPOSITORIES, TABLETS, AND PILLS. Class 6.
- 66,026. DRUID MILLS. Registered Nov. 5, 1907. Mount Vernon-Woodberry Cotton Duck Company. Re-renewed Nov. 5, 1947, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md., a corporation of Maryland. COTTON DUCK. Class 42.
- 66,051. RICHLAND. Registered Nov. 5, 1907. Mount Vernon-Woodberry Cotton Duck Company. Re-renewed Nov. 5, 1947, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md., a corporation of Maryland. COTTON DUCK. Class 42.
- 66,221. "M. HENKEMEYER'S" AND DESIGN. Registered Nov. 19, 1907. Peter Mohr. Re-renewed Nov. 19, 1947, to Edward J. Mohr, doing business as Peter Mohr Cigar Co., Belleville, Ill. CIGARS. Class 17.
- 66,471. "GREENWOODS MONTANA" AND DRAWING. Registered Dec. 3, 1907. Mount Vernon-Woodberry Cotton Duck Company. Re-renewed Dec. 3, 1947, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md., a corporation of Maryland. COTTON DUCK. Class 42.

- 66,541. "BISLAC" LINED TO INDICATE RED. Registered Dec. 10, 1907. Otto Wicke, Brooklyn, N. Y. Re-renewed Dec. 10, 1947, to Dr. Wicke Medicine Company, East Rutherford, N. J., a partnership. REMEDY FOR DYSPEPSIA, CHRONIC CATARRH OF THE STOMACH, INDIGESTION, AND OTHER DISEASES OF THE STOMACH. Class 6.
- 148,735. SILKA. Registered Nov. 22, 1921. Maurice Roussel, doing business as Parfumerie Silka, Paris, France. Renewed Nov. 22, 1941 (as provided by P. L. 517, July 17, 1946). PERFUMES, TOILET WATERS, FACE LOTIONS, BEAUTY CREAM, FACE POWDER, BRILLIANTINE. Class 6.
- 179,111. BICHETTE. Registered Feb. 5, 1924. Societe Anonyme "Crayons Conte," Regny and Paris, France. Renewed Feb. 5, 1944 (as provided by P. L. 517, July 17, 1946), to Societe Anonyme "Crayons Conte," Regny, France, a corporation organized under the laws of the Republic of France. CRAYONS, CRAYON HOLDERS, PENCILS, PENHOLDERS, PENS, RUBBER ERASERS, AND WRITING PAPER. Class 37.
- 183,022. CONTÉ. Registered Apr. 22, 1924. Societe Anonyme "Crayons Conte," Regny and Paris, France. Renewed Apr. 22, 1944 (as provided by P. L. 517, July 17, 1946), to Societe Anonyme "Crayons Conte," Regny, France, a corporation organized under the laws of the Republic of France. CRAYONS, CRAYON HOLDERS, PENCILS, PENHOLDERS, PENS, RUBBER ERASERS, RUBBER BANDS, AND WRITING PAPER. Class 37.
- 183,023. CONTÉ À PARIS. Registered Apr. 22, 1924. Societe Anonyme "Crayons Conte," Regny and Paris, France. Renewed Apr. 22, 1944 (as provided by P. L. 517, July 17, 1946), to Societe Anonyme "Crayons Conte," Regny, France, a corporation organized under the laws of the Republic of France. CRAYONS, CRAYON HOLDERS, PENCILS, PENHOLDERS, PENS, RUBBER ERASERS, RUBBER BANDS, AND WRITING PAPER. Class 37.
- 185,437. H.C.A. PARIS. Registered June 17, 1924. Societe Anonyme "Crayons Conte," Regny and Paris, France. Renewed June 17, 1944 (as provided by P. L. 517, July 17, 1946), to Societe Anonyme "Crayons Conte," Regny, France, a corporation organized under the laws of the Republic of France. CRAYONS, CRAYON HOLDERS, PENCILS, PENHOLDERS, PENS, RUBBER ERASERS, AND WRITING PAPER. Class 37.
- 211,945. "SNOW FLAKE" AND DESIGN. Registered Apr. 20, 1926. Purity Baking Company, St. Paul, Minn., a corporation of Minnesota. Renewed Apr. 20, 1946. BREAD. Class 46.
- 217,710. "HUMMER ANSIOS" AND DESIGN. Registered Sept. 7, 1926. Fredrikstad Preserving Co. Renewed Sept. 7, 1946, to Fredrikstad Preserving Co. A/S, Fredrikstad, Norway, a joint stock company of Norway. CANNED HERRINGS AND ANCHOVIES. Class 46.
- 220,538. ANDALE. Registered Nov. 9, 1926. Andale Engineering Company. Renewed Nov. 9, 1946, to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania. WATER HEATERS, OIL HEATERS, AIR HEATERS, AIR COOLERS USED IN CONNECTION WITH VENTILATING APPARATUS, WATER STRAINERS, EVAPORATORS, STEAM STRAINERS, OIL STRAINERS, GAS STRAINERS, GREASE EXTRACTORS, BOILER-FEED-WATER FILTERS, DISTILLERS. Class 34.
- 222,048. "HH". Registered Dec. 21, 1926. "HH" Manufacturers, Inc. Renewed Dec. 21, 1946, to H. H. Manufacturers, Long Beach, Calif., a copartnership. SEAT SPRINGS, BACK RESTS, AXLES, SPRING SUSPENSION DEVICES, BUMPERS, AND TIE RODS FOR VEHICLES. Class 19.
- 224,051. PRINCESS REAL EMBROIDERY SET. Registered Feb. 15, 1927. The Ullman Manufacturing Company, Long Island City, N. Y. Renewed Feb. 15, 1947, to The Ullman Company Inc., Brooklyn, N. Y., a corporation of New York. EMBROIDERY SETS CONSISTING OF STAMPED SEWING BAG, STAMPED COMB AND BRUSH HOLDER, STAMPED LUNCHEON SET, STAMPED HANDKERCHIEF CASE, SEWING CARDS, AND OTHER SIMILAR ITEMS WITH INSTRUCTIONS AS TO HOW TO USE THE SAME. Class 40.
- 225,604. "STABILIMENTO CHIMICO FARMACEUTICO DR. M. CALOSI & F. FIRENZE" ETC. IN RECTANGULAR DESIGN. Registered Mar. 22, 1927. Società Anonima Prodotti Farmaceutici Specializzati Dott. M. Calosi & Figlio, Florence, Italy. Renewed Mar. 22, 1947, to Società Anonima Prodotti Farmaceutici Specializzati Dott. M. Calosi & Figlio, Firenze, Italy, a corporation organized under the laws of the Kingdom of Italy. MEDICINAL PRODUCT FOR TREATMENT OF SCROFULA, LYMPHOMATOSIS, ARTICULAR AND MUSCULAR RHEUMATISM, SUBACUTE AND CHRONIC URIS DIATHESE, AND CERTAIN OTHER NAMED AILMENTS. Class 6.
- 226,704. PENNSYLVANIA FARMER. Registered Apr. 19, 1927. The Lawrence Publishing Company. Renewed Apr. 19, 1947, to Capper-Harman-Slocum, Inc., Cleveland, Ohio, a corporation of Pennsylvania. WEEKLY PERIODICAL. Class 38.
- 226,945. "AVERY" AND DESIGN. Registered Apr. 26, 1927. Avery Rock Salt Mining Company, Avery Island, La. Renewed Apr. 26, 1947, to International Salt Company, Scranton, Pa., a corporation of New Jersey. SALT. Class 46.
- 228,365. DA-Z. Registered May 31, 1927. Gustav A. Rumpf, doing business as Da-Z Mfg. Co., Jenkintown, Pa. Renewed May 31, 1947, to James C. Courtenay, Philadelphia, Pa. LIQUID POLISH FOR CLEANING AND POLISHING WOODWORK, FLOORS, LINOLEUM, AUTOMOBILES, OR OTHER FINISHED SURFACES. Class 16.
- 229,237. "R C M A RAY BRAND" ETC. AND DESIGN. Registered June 21, 1927. Rubber Cultuur Maatschappij "Amsterdam", N. V., Amsterdam, Netherlands, a Dutch corporation. Renewed June 21, 1947. RUBBER. Class 1.
- 230,307. "DURO-DUK" AND DESIGN. Registered July 19, 1927. William L. Barrell Co. of New York, Inc. Renewed July 19, 1947, to William L. Barrell Co., New York, N. Y., a corporation of Maine. COTTON DUCK IN THE PIECE. Class 42.
- 230,871. ASBESTOSITE. Registered Aug. 9, 1927. United States Electrical Manufacturing Company. Renewed Aug. 9, 1947, to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California. ELECTRIC MOTORS. Class 21.
- 230,967. VESTOFF. Registered Aug. 9, 1927. Hewes & Potter, assignor to Hewes & Potter, Incorporated. Renewed Aug. 9, 1947, to Hewes & Potter, Inc., Boston, Mass., a corporation of Massachusetts. SUSPENDERS. Class 39.
- 231,001. "KELSWORTH" AND DESIGN. Registered Aug. 9, 1927. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Renewed Aug. 9, 1947, to The May Department Stores Company, St. Louis, Mo., a corporation of New York. BATTERIES, RADIO RECEIVING SETS, AND PARTS THEREFOR. Class 21.
- 231,213. MONARCH. Registered Aug. 16, 1927. American Saw Mill Machinery Company. Renewed Aug. 16, 1947, to American Saw Mill Machinery Company, Hackettstown, N. J., a corporation of New Jersey. WOODWORKING MACHINES. Class 23.

231,347. "EAU DE COLOGNE RUSSE" ETC. AND DESIGN. Registered Aug. 16, 1927. Paul Peter Mülhens, doing business under the name Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepst von Ferd. Mülhens, Köln A./Rhein, Cologne-on-the-Rhine, Germany. Renewed Aug. 16, 1947, to the Attorney General of the United States, Washington, D. C. EAU DE COLOGNE WATER, PERFUMERY, HAIR TONICS AND OTHER NAMED TOILET ITEMS. Class 6.

231,400. DAYTON DAIRY MAID. Registered Aug. 16, 1927. The Miami Valley Cooperative Milk Producers Association, Dayton, Ohio, a corporation of Ohio. Renewed Aug. 16, 1947. BUTTER. Class 46.

231,543. "ACME" AND DESIGN. Registered Aug. 23, 1927. Gill & Duffus. Renewed Aug. 23, 1947, to Gill & Duffus Limited, London, England, a limited liability company organized under the laws of Great Britain. NUT KERNELS IN THEIR NATURAL STATE FOR FOOD. Class 46.

231,691. "PAUL JONES" AND PORTRAIT. Registered Aug. 23, 1927. The Kentucky Holding Corporation, Louisville, Ky. Renewed Aug. 23, 1947, to Paul Jones and Company, Inc., Baltimore, Md., a corporation of Maryland. WHISKY. Class 49.

231,831. VALENTINE. Registered Aug. 30, 1927. A. V. Victorius & Company, New York, N. Y. Renewed Aug. 30, 1947, to General Shoe Corporation, Nashville, Tenn., a corporation of Tennessee. HOSIERY. Class 39.

231,840. WARD'S. Registered Aug. 30, 1927. Samuel Ward Manufacturing Co., Boston, Mass., a corporation of Massachusetts. Renewed Aug. 30, 1947. WRITING PAPERS AND ENVELOPES, TYPEWRITER PAPER, TABLETS, STUDENTS' PAPER, SCORE PADS, AND OTHER NAMED ITEMS OF PAPER AND STATIONERY. Class 37.

231,921. "DRÄNO" ETC. AND DESIGN. Registered Aug. 30, 1927. The Drackett Chemical Company. Renewed Aug. 30, 1947, to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio. CHEMICAL FOR CLEANSING DRAINS, SINKS, WASHBOWLS, ETC. Class 6.

231,957. NAPPETTE. Registered Aug. 30, 1927. The Owl Drug Co., San Francisco, Calif. Renewed Aug. 30, 1947, to The Owl Drug Co., Los Angeles, Calif., a corporation of California. SANITARY NAPKINS. Class 44.

232,002. BREAK-O-POWDER. Registered Aug. 30, 1927. Swift and Company. Renewed Aug. 30, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. WASHING POWDER. Class 4.

232,055. "WAUKESHA" AND DRAWING. Registered Aug. 30, 1927. Inderrieden Canning Co., assignor to The J. B. Inderrieden Co. Renewed Aug. 30, 1947, to The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois. CANNED VEGETABLES. Class 46.

232,087. "THE PENN FUR CO." AND DRAWING. Registered Aug. 30, 1927. Idel Markowitz, doing business as The Penn Fur Company. Renewed Aug. 30, 1947, to Penn Fifth Avenue Corp., also known as Penn-Fifth Avenue Corp., New York, N. Y., a corporation of New York. MEN'S AND WOMEN'S FUR COATS AND FUR-TRIMMED COATS AND WOMEN'S FUR CAPES, AND FUR-TRIMMED CAPES, FUR CLOAKS, AND FUR-TRIMMED CLOAKS, AND FUR NECK PIECES. Class 39.

232,090. "PAUL JONES" AND DESIGN. Registered Aug. 30, 1927. The Kentucky Holding Corporation, Louisville, Ky. Renewed Aug. 30, 1947, to Paul Jones and Company, Inc., Baltimore, Md., a corporation of Maryland. WHISKY. Class 49.

232,296. GOLDEN VALLEY. Registered Sept. 6, 1927. The Larabee Flour Mills Company, Kansas City, Mo., assignor to Commander Larabee Cereal Co. Renewed Sept. 6, 1947, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

232,312. TUG OF WAR. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. GLUE. Class 5.

232,313. SELECTUS. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. GLUE. Class 5.

232,314. HERCULES. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. GLUE. Class 5.

232,315. SUPERHESIVE. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. GLUE. Class 5.

232,316. ECONOMY. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. GLUE. Class 5.

232,317. SUPREMUS. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. GLUE. Class 5.

232,348. ORIGINAL POCAHONTAS. Registered Sept. 6, 1927. Pocahontas Fuel Company Incorporated, Pocahontas, Va., and New York, N. Y. Renewed Sept. 6, 1947, to Pocahontas Fuel Company Incorporated, New York, N. Y., a corporation of Virginia. COAL. Class 1.

232,365. AJAX. Registered Sept. 6, 1927. Ajax Hand Brake Company. Renewed Sept. 6, 1947, to Ajax-Consolidated Company, Chicago, Ill., a corporation of Illinois. MECHANISM FOR MANUAL OPERATION OF RAILWAY CAR BRAKES. Class 19.

232,388. REPRESENTATION OF SQUARES. Registered Sept. 6, 1927. Gordon-Pagel Company, assignor to Gordon Baking Company. Renewed Sept. 6, 1947, to Gordon Baking Company, Detroit, Mich., a corporation of Michigan. BREAD. Class 46.

232,423. ENDURO. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. GLUE. Class 5.

232,424. VISCO. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. GLUE. Class 5.

232,430. "STERLING" AND REPRESENTATION OF POUND STERLING MARK. Registered Sept. 6, 1927. Swift and Company. Renewed Sept. 6, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. BACON AND MEAT LUNCHEON LOAF. Class 46.

232,456. "CAMPBELL" AND REPRESENTATION OF A CAMEL. Registered Sept. 6, 1927. Campbell Coal Company, Atlanta, Ga., a corporation of Georgia. Renewed Sept. 6, 1947. COAL. Class 1.

232,833. BIG CHIEF. Registered Sept. 20, 1927. G. H. Hammond Company. Renewed Sept. 20, 1947, to G. H. Hammond Company, Chicago, Ill., a corporation of Illinois. SOAP. Class 4.

232,890. GREYHOUND. Registered Sept. 20, 1927. Continental Paper & Bag Mills Corporation. Renewed Sept. 20, 1947, to International Paper Company, New York, N. Y., a corporation of New York. WRAPPING PAPER. Class 37.

232,915. "HERCULES" ETC. AND DESIGN. Registered Sept. 20, 1927. Swift and Company. Renewed Sept. 20, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. SOAP. Class 4.

232,988. ARMOR-LASTIC. Registered Sept. 20, 1927. The Standard Corset Company, New York, N. Y. Renewed Sept. 20, 1947, to The Standard Corset Company, Holyoke, Mass., a corporation of Massachusetts. ELASTIC-WEBBING PIECE GOODS. Class 42.

233,028. "RED STAR" ETC. AND DESIGN LINED FOR RED. Registered Sept. 20, 1927. Campbell Coal Company, Marietta and Atlanta, Ga. Renewed Sept. 20, 1947, to Campbell Coal Company, Atlanta, Ga., a corporation of Georgia. COAL. Class 1.

233,048. BLUE BAND. Registered Sept. 20, 1927. The Woodville Lime Products Company, Toledo, Ohio, a corporation of Ohio. Renewed Sept. 20, 1947. LIME. Class 12.

233,106. "PISA" AND REPRESENTATION OF LEANING TOWER OF PISA. Registered Sept. 20, 1927. Simoncelli Brothers, Scranton, Pa., a partnership. Renewed Sept. 20, 1947. OLIVE OIL. Class 46.

233,175. GREEN BANDS AROUND A KEG. Registered Sept. 27, 1927. Keystone Steel & Wire Company, South Bartonville, Peoria, Ill., a corporation of Illinois. Renewed Sept. 27, 1947. NAILS. Class 13.

233,561. CHAMPION. Registered Oct. 4, 1927. American Road Machinery Company, Kennett Square, Pa. Renewed Oct. 4, 1947, to Good Roads Machinery Corporation, Detroit, Mich., a corporation of Pennsylvania. ROAD SCRAPERS, ROAD ROLLERS, ROCK CRUSHERS; GARDEN, LAWN, AND FIELD ROLLERS; MACHINES FOR HANDLING AND SCREENING STONE, ORE, AND COAL; AND OTHER NAMED CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF. Class 23.

233,564. "PICKARD" AND DESIGN. Registered Oct. 4, 1927. Pickard Studios, Incorporated, Chicago, Ill. Renewed Oct. 4, 1947, to Pickard, Incorporated, Antioch, Ill., a corporation of Illinois. POTTERY AND PORCELAIN. Class 30.

233,567. MIL-COA. Registered Oct. 4, 1927. The Mil-Coa Company. Renewed Oct. 4, 1947, to Grand Pop Bottling Company, Cincinnati, Ohio, a partnership. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND EXTRACT FOR MAKING SAME. Class 45.

233,861. REXTAB. Registered Oct. 11, 1927. The Flintkote Company, Boston, Mass. Renewed Oct. 11, 1947, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. MINERAL-SURFACED ASPHALT SHINGLES AND MINERAL-SURFACED ASPHALT ROOFING. Class 12.

233,906. REX FLINTKOTE. Registered Oct. 11, 1927. The Flintkote Company, Boston, Mass. Renewed Oct. 11, 1947, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. ROOFING FELT AND ROOFING PAPER, PREPARED ROOFING, SHINGLES, STRIP SHINGLES, AND OTHER NAMED CONSTRUCTION MATERIALS. Class 12.

234,066. GUNITE. Registered Oct. 18, 1927. Rockford Malleable Iron Works. Renewed Oct. 18, 1947, to Gunite Foundries Corporation, Rockford, Ill., a corporation of Illinois. IRON CARBON ALLOY. Class 14.

234,234. KALYE. Registered Oct. 18, 1927. Rumford Chemical Works, Providence, R. I. Renewed Oct. 18, 1947, to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island. CHEMICAL CLEANSING AND BURNISHING COMPOUND FOR USE ON METALLIC SURFACES BEFORE PLATING. Class 6.

234,391. THOLENE. Registered Oct. 25, 1927. George F. Smith, doing business as Rosebud Perfume Company, Woodsboro, Md. Renewed Oct. 25, 1947. PREPARATION FOR THE RELIEF OF COLDS, CROUP, ASTHMA, CATARRH, AND HAY FEVER. Class 6.

234,571. "WHIZZER" AND DESIGN. Registered Nov. 1, 1927. Fox Knapp Manufacturing Co., New York, N. Y., a corporation of Pennsylvania. Renewed Nov. 1, 1947. FLANNEL, DRESS, NEGLIGEE, AND WORK SHIRTS. Class 39.

234,689. "RAYBELLE" AND FANCIFUL DRAWING. Registered Nov. 1, 1927. Waynesboro Knitting Company, Waynesboro, Pa., and New York, N. Y. Renewed Nov. 1, 1947, to Waynesboro Knitting Company, Waynesboro, Pa., a corporation of Pennsylvania. KNITTED, NETTED, AND TEXTILE UNDERWEAR OF RAYON, RAYON AND SILK, SILK, SILK AND COTTON, AND COTTON FOR MEN, WOMEN, AND CHILDREN. Class 39.

234,723. "AIRLINE" AND DESIGN. Registered Nov. 1, 1927. Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois. Renewed Nov. 1, 1947. RADIO RECEIVING SETS AND ON RADIO PARTS AND ACCESSORIES—NAMESLY, VACUUM TUBES, TUBE REJUVENATORS, TUNING COILS, STORAGE BATTERIES, AND OTHER NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Class 21.

234,740. KITSON. Registered Nov. 1, 1927. Kitson Machine Shop, Lowell, Mass. Renewed Nov. 1, 1947, to Saco-Lowell Shops, Boston, Mass., a corporation of Maine. TEXTILE MACHINERY AND PARTS THEREOF. Class 23.

235,002. SNOW FLAKE. Registered Nov. 8, 1927. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Renewed Nov. 8, 1947. LAUNDRY STARCH. Class 6.

235,034. BOND. Registered Nov. 8, 1927. Bond Foundry and Machine Company, Manheim, Pa., a corporation of Pennsylvania. Renewed Nov. 8, 1947. TRUCK CASTERS. Class 19.

235,045. "JACOBS" AND DESIGN. Registered Nov. 8, 1927. The Jacobs Bros. Co., Inc., Brooklyn, N. Y., a corporation of New York. Renewed Nov. 8, 1947. SCALES, AND PARTICULARLY COMMERCIAL SCALES OF THE FLOOR, COUNTER, AND SUSPENSION TYPES AND OTHER NAMED MEASURING APPLIANCES. Class 26.

235,268. BATES & BACON. Registered Nov. 15, 1927. The Associated Attleboro Manufacturers, Inc. Renewed Nov. 15, 1947, to Briggs, Bates & Bacon Company, Attleboro, Mass., a corporation of Massachusetts. CHAINS—NAMESLY, WALDEMAR, DICKENS, SPORT, WATCH, AND NECK CHAINS—AND OTHER NAMED JEWELRY AND PRECIOUS-METAL WARE ITEMS. Class 28.

235,362. SPINNER. Registered Nov. 15, 1927. Altorfer Bros. Company, East Peoria, Ill. Renewed Nov. 15, 1947, to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois. LAUNDRY WASHING MACHINES. Class 24.

235,725. GPA IN SHIELD DESIGN. Registered Nov. 22, 1927. Association of American Soap & Glycerine Producers, Inc., doing business as Glycerine Producers Association, New York, N. Y., a corporation of Delaware. Renewed Nov. 22, 1947. GLYCERIN ANTIFREEZE SOLUTION FOR AUTOMOBILE RADIATORS. Class 6.

235,880. "HOOT LASS" BONNIE. Registered Nov. 29, 1927. Schneider & Miller, Inc. Renewed Nov. 29, 1947, to Lou Schneider, Inc., New York, N. Y., a corporation of New York. LADIES' COATS. Class 39.

235,938. "OLLENDORFF" ETC. AND DESIGN. Registered Nov. 29, 1927. I. Ollendorff Co., Inc. Renewed Nov. 29, 1947, to Ollendorff Watch Co. Inc., New York, N. Y., a corporation of New York. WATCHES, CLOCKS, AND THEIR CASES AND MOVEMENTS. Class 27.

- 236,082. KARUF. Registered Dec. 6, 1927. Wm. E. Hooper & Sons Co. Renewed Dec. 6, 1947, to Wm. E. Hooper & Sons Company, Woodberry, Baltimore, Md., a corporation of Maryland. WATERPROOF FABRIC AND WATERPROOF COTTON DUCK. Class 50.
- 236,106. "STURDEE" AND DESIGN. Registered Dec. 6, 1927. Wm. E. Hooper & Sons Co. Renewed Dec. 6, 1947, to Wm. E. Hooper & Sons Company, Woodberry, Baltimore, Md., a corporation of Maryland. COTTON ROPE, SASH CORD, SEINE TWINES, POLISHED TWINES, BRAIDED COTTON ROPE, AND OTHER NAMED ARTICLES OF CORDAGE. Class 7.
- 236,168. MONSAVON. Registered Dec. 6, 1927. La Societe des Savons Français, Paris, France. Renewed Dec. 6, 1947, to La Societe des Savons Français, Clichy (Seine), France, a French firm. TOILET SOAP. Class 4.
- 236,245. "BLURRING" AND DESIGN. Registered Dec. 6, 1927. The Grady-Travers Co. Incorporated, New York, N. Y., a corporation of New York. Renewed Dec. 6, 1947. CORDAGE. Class 7.
- 236,373. "OCEAN BLUE" AND DRAWING. Registered Dec. 13, 1927. Reckitt & Sons, Limited, Hull, England. Renewed Dec. 13, 1947, to The R. T. French Company, New York, N. Y., a corporation of Delaware. LAUNDRY BLUE. Class 6.
- 236,437. "PINEHURST" AND DRAWING. Registered Dec. 13, 1927. Sexton Mfg. Co., Fairfield, Ill. Renewed Dec. 13, 1947, to Pinehurst Textiles, Inc., Asheboro, N. C., a corporation of North Carolina. MEN'S UNDERWEAR AND NIGHT WEAR—NAMELY, UNION SUITS, DRAWERS, NIGHTSHIRTS, AND PAJAMAS MADE OF WOVEN TEXTILES. Class 39.
- 236,465. "TASTY" ETC. AND DRAWING. Registered Dec. 13, 1927. I. Walter Bickley, doing business as A. F. Bickley & Son, Philadelphia, Pa. Renewed Dec. 13, 1947. OLEOMARGARINE. Class 46.
- 236,543. RA-ED-O. Registered Dec. 13, 1927. Helm Chemical Company. Renewed Dec. 13, 1947, to Ray P. Helm, doing business as The Helm Company, Benton Harbor, Mich. PREPARATION FOR THE RELIEF OF PILES. Class 6.
- 236,629. ASCO VALVES. Registered Dec. 20, 1927. Automatic Switch Company, New York, N. Y., a corporation of New York. Renewed Dec. 20, 1947. MAGNET OR SOLENOID OPERATED VALVES FOR CONTROLLING FLUID FLOW THROUGH CONDUITS. Class 21.
- 237,098. "ADAMS" AND DESIGN. Registered Jan. 3, 1928. Adams Watch, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 3, 1948. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Class 27.
- 237,489. H Y C C. Registered Jan. 10, 1928. Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey. Renewed Jan. 10, 1948. STEEL BARS, RODS, BILLETS, BLOOMS, SHEETS, PLATES, SLABS, STRIPS, BLOCKS, AND FORGINGS. Class 14.
- 237,811. "TANNATE" AND DESIGN. Registered Jan. 17, 1928. J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Renewed Jan. 17, 1948. BELT PRESERVER AND DRESSING AND LIQUID BELT PRESERVER. Class 4.
- 237,835. JAYTHO. Registered Jan. 17, 1928. Jay Thorpe, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 17, 1948. PERFUMERY. Class 6.
- 237,852. "HOUSEHOLD HINTS" ETC. AND DESIGN. Registered Jan. 17, 1928. Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota. Renewed Jan. 17, 1948. PERIODICAL PARTICULARLY ADAPTED TO CONCERNS DEALING WITH HOMES AND HOUSEHOLD REQUIREMENTS PUBLISHED FROM TIME TO TIME. Class 38.
- 238,140. DUDGEON. Registered Jan. 31, 1928. Richard Dudgeon, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 31, 1948. HYDRAULIC JACKS, PRESSES, PUMPS, AND TUBE EXPANDERS. Class 23.
- 238,151. BONDFLEX. Registered Jan. 31, 1928. Charles Bond Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 31, 1948. SHAFT COUPLINGS. Class 23.
- 238,254. CALBRODEIN. Registered Jan. 31, 1928. The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan. Renewed Jan. 31, 1948. COUGH SIRUP. Class 6.
- 238,398. NO SPUT. Registered Feb. 7, 1928. Chicago Solder Company. Renewed Feb. 7, 1948, to Kester Solder Company, Chicago, Ill., a corporation of Illinois. CHEMICAL COMBINATION HAVING THE CHARACTERISTICS OF A FLUX. Class 14.
- 238,399. METOL. Registered Feb. 7, 1928. Chicago Solder Company. Renewed Feb. 7, 1948, to Kester Solder Company, Chicago, Ill., a corporation of Illinois. FLUX COMPOSED OF FINELY-DIVIDED TIN AND FINELY-DIVIDED LEAD MIXED WITH CHEMICALS. Class 14.
- 238,438. CARBURETOR. Registered Feb. 7, 1928. Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware. Renewed Feb. 7, 1948. CARBURETORS. Class 23.
- 238,640. ANACHLORIC. Registered Feb. 14, 1928. The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan. Renewed Feb. 14, 1948. ANTIACID TABLETS. Class 6.
- 238,661. "TUF-STUF" AND DESIGN. Registered Feb. 14, 1928. Mueller Brass Co., Port Huron, Mich., a corporation of Michigan. Renewed Feb. 14, 1948. INGOTS, PIGS, RODS, AND FORGINGS AND CASTINGS OF NONFERROUS METAL. Class 14.
- 239,202. "ZANOL" ETC. AND DESIGN. Registered Feb. 28, 1928. The American Products Company, assignor to The American Products Company. Renewed Feb. 28, 1948, to Royal Home Products, Inc., Cincinnati, Ohio, a corporation of Virginia. FLAVORING EXTRACTS FOR FOOD PURPOSES, CAKE ICING, PIE FILLING, SHREDDED COCOANUT, AND OTHER NAMED FOODS AND INGREDIENTS OF FOODS. Class 46.
- 239,599. REMEMBRANCE. Registered Mar. 6, 1928. Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota. Renewed Mar. 6, 1948. PLAYING CARDS. Class 22.
- 239,714. SUMCO. Registered Mar. 13, 1928. Summit Thread Company, East Hampton, Conn., and Boston, Mass. Renewed Mar. 13, 1948, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut. SEWING-MACHINE THREADS. Class 43.
- 240,352. "COOLEY'S STOCK POWER" AND DRAWING. Registered Mar. 27, 1928. Charles Garrett Cooley, Comus, Md. Renewed Mar. 27, 1948, to Charles Garrett Cooley, Barnesville, Md. STOCK MEDICINE. Class 6.
- 240,501. BONDUPLY. Registered Mar. 27, 1928. Charles Bond Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 27, 1948. LEATHER BELTING. Class 35.
- 244,349. COMPANION. Registered July 17, 1928. Altorf Bros. Company, East Peoria, Ill. Renewed July 17, 1948, to Altorf Bros. Company, Peoria, Ill., a corporation of Illinois. LAUNDRY WASHING MACHINES. Class 24.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 49,798. Registered Feb. 20, 1906. THE AMERICAN OAK LEATHER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Rock Oak

FOR LEATHER FROM WHICH BOOTS AND SHOES ARE MANUFACTURED.
Claims use since Aug. 13, 1900.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 155,428. Registered May 30, 1922. THE GLOBE SOAP COMPANY, Cincinnati, Ohio. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

MILAGRO

FOR SOAP.
Claims use since Apr. 3, 1919.

Reg. No. 155,801. Registered June 6, 1922. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.



FOR SOAP.
Claims use since Oct. 1, 1876.

Reg. No. 178,886. Registered Oct. 2, 1923. THE PALISADE MANUFACTURING COMPANY, Yonkers, N. Y. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

VELVET SKIN

FOR SOAP.
Claims use since Apr. 10, 1889.

Reg. No. 175,201. Registered Oct. 30, 1923. THE VAN CAMP PACKING COMPANY, INC., Indianapolis, Ind. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

BIG DEAL

FOR SOAP.
Claims use since Jan. 1, 1898.

Reg. No. 177,560. Registered Dec. 18, 1923. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SOAPEZE

FOR A SCRUBBING COMPOUND.
Claims use since Feb. 6, 1922.

Reg. No. 178,620. Registered Jan. 15, 1924. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SOAPERIOR

FOR SOAP.
Claims use since September 1918.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 95,359. Registered Feb. 10, 1914. THE SINCLAIR MANUFACTURING COMPANY, Toledo, Ohio. Republished by The Sinclair Manufacturing Company, Toledo, Ohio, a partnership.



FOR CHLORIDE OF LIME, CONCENTRATED LYE, POWDERED BORAX AND AMMONIA.
Claims use since Oct. 17, 1911.

Reg. No. 95,788. Registered Mar. 10, 1914. MORTIMER WEBB SARGENT, East Orange, N. J. Republished by Sargeant Acnoid Pharmaceutical Co., Inc., East Orange, N. J., a corporation of New Jersey.

ACNOID

FOR AN OINTMENT FOR TREATMENT OF CORNS AND CALLOUSES.

Claims use since January 1909.

Reg. No. 111,006. Registered June 20, 1916. THE CHAMPION FIBRE COMPANY, Hamilton, Ohio. Republished by The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio.

BLUDTAN

FOR TANNING EXTRACTS.

Claims use since October 1910.

Reg. No. 155,947. Registered June 13, 1922. THE CONDENSED BLUING CO., Chicago, Ill. Republished by The John Puhl Products Company, Chicago, Ill., a corporation of Illinois.



FOR AMMONIA.

Claims use since Aug. 1, 1921.

Reg. No. 156,216. Registered June 20, 1922. CONDENSED BLUING COMPANY, Chicago, Ill. Republished by The John Puhl Products Company, Chicago, Ill., a corporation of Illinois.

Little Boy Blue

FOR BLUING.

Claims use since 1914.

Reg. No. 157,329. Registered Aug. 1, 1922. DR. PETER FAHRENEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Trade Mark," "Chicago, Ill.," and "U. S. A." are disclaimed.

FOR SYSTEM TONIC TO IMPROVE THE APPETITE, TO PROMOTE DIGESTION, TO REGULATE THE ACTION OF THE BOWELS, AND TO QUIET THE NERVOUS SYSTEM, BENEFICIALLY AFFECTING THE KIDNEYS AND THE LIVER, PRODUCING THEREBY SALUTARY EFFECTS UPON THE BLOOD STREAM AND THE ENTIRE SYSTEM.

Claims use since July 30, 1920.

Reg. No. 157,330. Registered Aug. 1, 1922. DR. PETER FAHRENEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Trade Mark," "Chicago, Ill.," and "U. S. A." are disclaimed.

FOR SYSTEM TONIC TO IMPROVE THE APPETITE, TO PROMOTE DIGESTION, ETC.

Claims use since July 30, 1920.

Reg. No. 157,331. Registered Aug. 1, 1922. DR. PETER FAHRENEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Trade Mark," "Chicago, Ill.," and "U. S. A." are disclaimed.

FOR A TONIC TO IMPROVE THE APPETITE, ETC.

Claims use since July 30, 1920.

Reg. No. 157,332. Registered Aug. 1, 1922. DR. PETER FAHRENEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Trade Mark," "Chicago, Ill.," and "U. S. A." are disclaimed.

FOR A TONIC TO IMPROVE THE APPETITE, ETC.

Claims use since July 30, 1920.

Reg. No. 157,333. Registered Aug. 1, 1922. DR. PETER FAHRENEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Trade Mark," "Chicago, Ill.," and "U. S. A." are disclaimed.

FOR A SYSTEM TONIC TO IMPROVE THE APPETITE, TO PROMOTE DIGESTION, TO REGULATE THE ACTION OF THE BOWELS, AND TO QUIET THE NERVOUS SYSTEM, BENEFICIALLY AFFECTING THE KIDNEYS AND THE LIVER, PRODUCING THEREBY SALUTARY EFFECTS UPON THE BLOODSTREAM AND THE ENTIRE SYSTEM.

Claims use since July 30, 1920.

Reg. No. 158,434. Registered Sept. 5, 1922. DR. PETER FAHRENEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Trade Mark," and "Chicago, Ill., U. S. A." are disclaimed.

FOR A TONIC TO IMPROVE THE APPETITE, TO PROMOTE DIGESTION, TO REGULATE THE ACTION OF THE BOWELS, AND TO QUIET THE NERVOUS SYSTEM, ETC.

Claims use since Apr. 12, 1888.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 29,573. Registered Feb. 9, 1897. JAMES H. MANN, Lewiston, Pa. Republished by The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio.



FOR AXES.

Claims use since Jan. 25, 1868.

Reg. No. 30,526. Registered Aug. 24, 1897. OTSEGO FORK MILLS CO., LTD., Girard, Pa. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.



FOR AGRICULTURAL TOOLS, PARTICULARLY AGRICULTURAL FORKS, HOES, SHOVELS AND RAKES.

Claims use since 1859.

Reg. No. 62,316. Registered Apr. 30, 1907. NEWTON MACHINE TOOL WORKS, INCORPORATED, Philadelphia, Pa. Republished by Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware.

NEWTON

FOR MILLING MACHINES, PLANING MACHINES, DRILLING AND BORING MACHINES, SLOTTING MACHINES, COLD SAWING MACHINES, GEAR CUTTING MACHINES, SHAPING MACHINES, AND WORM WHEEL CUTTING MACHINES.

Claims use since 1889.

Reg. No. 98,221. Registered July 7, 1914. UNION GAS ENGINE COMPANY, San Francisco, Calif. Republished by The Union Diesel Engine Company, Oakland, Calif., a corporation of California.

UNION

FOR GAS OR GASOLINE ENGINES.

Claims use since August 1892.

Reg. No. 155,130. Registered May 16, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

WORTHINGTON



FOR PUMPING MACHINERY, PUMPS, APPARATUS FOR RAISING AND FORCING LIQUIDS, AIR LIFT PUMPS, ETC.

Claims use since 1885.

Reg. No. 161,859. Registered Nov. 21, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.



FOR PUMPING MACHINERY, PUMPS, ETC.
Claims use since 1885.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 147,318. Registered Oct. 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Little Giant

FOR GAGES—TO WIT, PLAIN CYLINDRICAL PLUG AND RING GAGES.

Claims use since January 1911.

Reg. No. 156,788. Registered July 11, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

WORTHINGTON

FOR LIQUID METERS, PISTON METERS, DISK METERS, TURBINE METERS, BOILER FEED METERS, AND DISK COUNTERS.

Claims use since 1835 or earlier.

Reg. No. 156,789. Registered July 11, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.



FOR LIQUID METERS, PISTON METERS, DISK METERS, TURBINE METERS, WEIGHT METERS, FLOW METERS, BOILER FEED METERS, AND DISK COUNTERS.

Claims use since 1885.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 156,412. Registered June 20, 1922. SANITAX BRUSH COMPANY, Chicago, Ill. Republished by Sanitax Brush and Products Company, Chicago, Ill., a corporation of Illinois.

SANITAX

FOR BRUSHES—NAMELY, HAIR, BATH, CLOTHES, HAND-SCRUBBING, AND SHAMPOO BRUSHES.

Claims use since January 1906.

CLASS 33

GLASSWARE

Reg. No. 54,172. Registered June 19, 1906. THE LIBBEY GLASS COMPANY, Toledo, Ohio. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.

Libbey

FOR CUT-GLASS ARTICLES.
Claims use since January 1895.

CLASS 37

PAPER AND STATIONERY

Reg. No. 59,370. Registered Jan. 8, 1907. AMBERG FILE AND INDEX COMPANY, Chicago, Ill., New York, N. Y., and London, England, a corporation of Illinois. Republished by registrant, present location Kankakee, Ill.

AMBERG'S

FOR PAPER TRANSFER CASES.
Claims use since 1878.

Reg. No. 80,110. Registered Nov. 8, 1910. CROWN-COLUMBIA PULP AND PAPER CO., San Francisco, Calif. Republished by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif., a corporation of Nevada.

XX

XX

FOR WRAPPING PAPER.
Claims use since June 1908.

CLASS 39

CLOTHING

Reg. No. 25,564. Registered Dec. 4, 1894. FRANK L. DUNNE, Boston, Mass. Republished by F. L. Dunne Co., Boston, Mass., a corporation of Massachusetts.



FOR MEN'S FINE OUTER CLOTHING, MADE TO ORDER.

Claims use since December 1893.

Reg. No. 48,351. Registered Dec. 26, 1905. REGAL SHOE COMPANY INC., Boston, Mass. Republished by Regal Shoe Company, Whitman, Mass., a corporation of Massachusetts.

Regal.

FOR LEATHER BOOTS AND SHOES.
Claims use since Sept. 1, 1893.

Reg. No. 88,729. Registered Oct. 22, 1912. JOSEPH BLACK & SONS COMPANY, York, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR STOCKINGS.
Claims use since August 1911.

Reg. No. 154,716. Registered Apr. 18, 1922. A. J. TOWER COMPANY, Boston, Mass. Republished by A. J. Tower Company (1926), Boston, Mass., a corporation of Massachusetts.

Touncoat

The word "Coat" is disclaimed.
FOR WATERPROOF COATS.
Claims use since February 1916.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 14,856. Registered Oct. 25, 1887. HORLICK'S FOOD COMPANY, Mount Pleasant and Racine, Wis. Republished by Horlicks Corporation, Racine, Wis., a corporation of Delaware.



FOR A FOOD PREPARATION FOR INFANTS AND INVALIDS.
Claims use since about June 1, 1887.

Reg. No. 45,179. Registered Aug. 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD., Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

PILLSBURY

FOR FLOUR MADE FROM WHEAT.
Claims use since Jan. 1, 1873.

Reg. No. 45,180. Registered Aug. 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD., Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

Pillsbury's BEST

FOR FLOUR MADE FROM WHEAT.
Claims use since Jan. 1, 1873.

Reg. No. 112,506. Registered Sept. 12, 1916. GURLEY CANDY COMPANY, INC., Minneapolis, Minn. Republished by John A. Gurley, Minneapolis, Minn.

**HIDDEN
TREASURES**

FOR CHOCOLATE CANDY.
Claims use since Sept. 22, 1914.

Reg. No. 153,811. Registered Mar. 28, 1922. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn., and New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.



The words "The Northwestern Consolidated Milling Co." and "Flour" are disclaimed.
FOR WHEAT FLOUR.
Claims use since May 12, 1919.

Reg. No. 156,736. Registered July 11, 1922. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

INVINCIBLE

FOR COOKING FATS.
Claims use since April 1898.

Reg. No. 159,531. Registered Sept. 26, 1922. THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y., and Kansas City, Mo. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.

**GOLDEN
LIGHT**

FOR WHEAT FLOUR.
Claims use since Aug. 1, 1906.

REISSUES

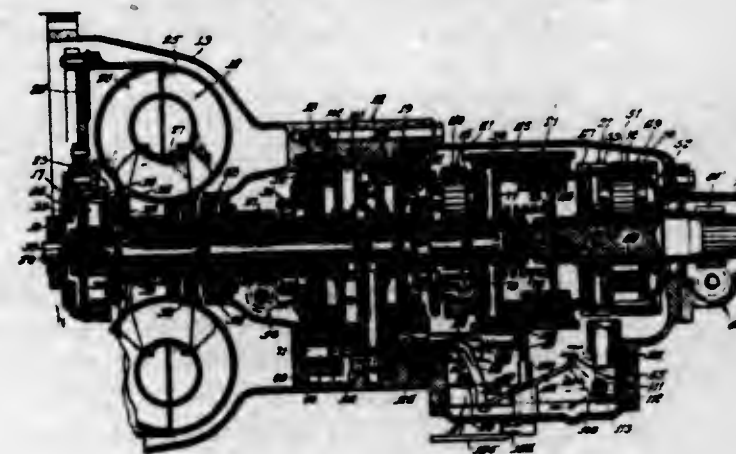
JANUARY 27, 1948

22,967

AUTOMATIC TRANSMISSION

Harold Nutt, Chicago, Ill., and Richard L. Smirl, Detroit, Mich., assignors to Borge-Warner Corporation, Chicago, Ill., a corporation of Illinois. Original No. 2,332,593, dated October 26, 1943, Serial No. 373,201, January 4, 1941. Application for reissue November 22, 1943, Serial No. 511,356

17 Claims. (Cl. 74—189.5)



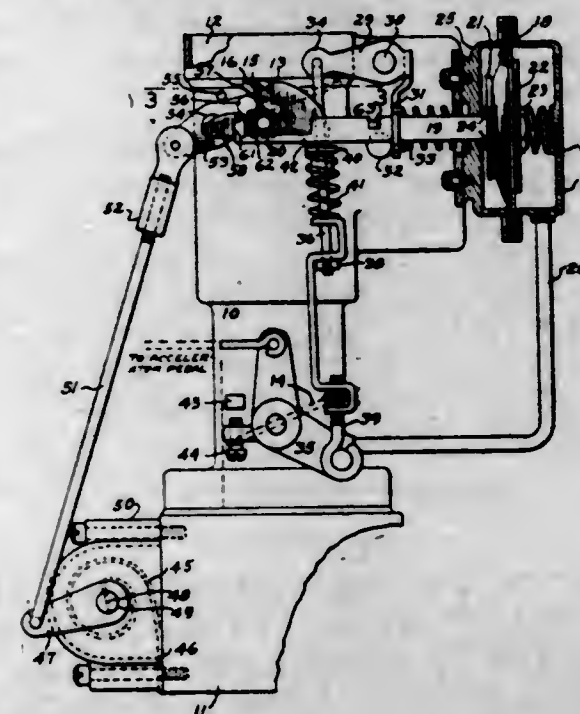
1. A transmission comprising a drive shaft, a driven shaft, torque converting mechanism, reversing mechanism of the differential type having at least three cooperating elements, one of said elements being connected to the driven shaft, means connecting the torque converting mechanism with the driving shaft, means continuously effective to connect the torque converting mechanism with another of said elements, releasable means connecting the torque converting mechanism with the driven shaft to provide parallel connections between the torque converting mechanism and the driven shaft, means for arresting the rotation of a third element to change the direction of rotation of the driven shaft with respect to the drive shaft, and means associated with the arresting means for releasing the releasable connection before the rotation of the third element is arrested.

22,968

FUEL MIXTURE CONTROL

Warren F. Stanton, deceased, late of Pawtucket, R. I., by Gladys Perry Stanton, administratrix, Pawtucket, R. I.; said Warren F. Stanton assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y., a corporation of Delaware. Original No. 2,408,104, dated September 24, 1946, Serial No. 652,731, January 20, 1933. Application for reissue April 16, 1947, Serial No. 741,833

33 Claims. (Cl. 123—119)



1. Fuel control means for engines comprising a fuel conditioning device for delivering the conditioned fuel to the engine, two valves associated with said device in the line of flow of fuel-forming elements to and through said device, automatic valve-moving means subject to intake pressure at a point beyond said device for causing fuel conditioning movement of said valves, a yielding connection between such means and one of said valves to permit a lag in its initial movement, and temperature responsive means acting to modify the action of said valve-moving means.

PATENTS

GRANTED JANUARY 27, 1948

2,434,893

UNIDIRECTIONAL ANTENNA SYSTEM

Andrew Alford, New York, N. Y., and Chester B. Watts, Jr., East Orange, N. J., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application July 9, 1943, Serial No. 494,060
6 Claims. (Cl. 250-11)

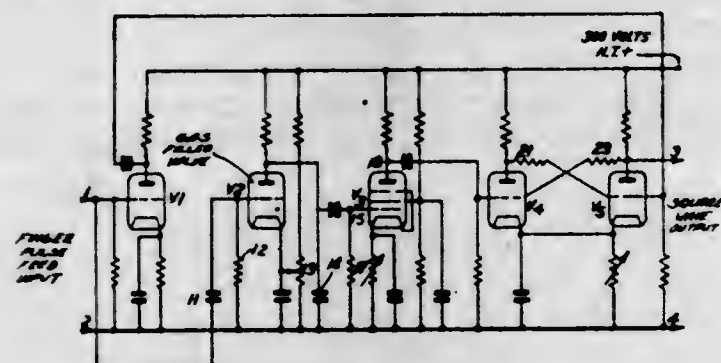


1. A directive antenna system comprising a reflecting member, a hollow supporting member extending perpendicularly from said reflecting member, two radiating elements insulatingly mounted from said supporting member and said reflecting member, said elements being arranged to form a V, and a transmission line connected to said radiating elements and extending through said supporting member.

2,434,894

APPARATUS FOR CONVERTING PAIRS OF TIME MODULATED PULSES INTO PULSES OF VARIABLE DURATION

Dermot Min Ambrose, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application June 24, 1943, Serial No. 492,078
In Great Britain September 26, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 26, 1961
2 Claims. (Cl. 250-27)



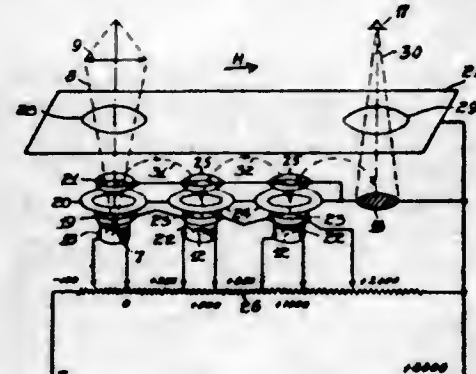
1. Arrangement for producing variable duration electrical pulses from a source of time modulated pairs of electrical finger pulses each said pair comprising a fixed pulse and a moving pulse, comprising a double stability electronic device including a pair of anode-cathode space discharge paths and a pair of control electrodes one in each of said paths, connections from the anode of each said path to the control electrode of the other path, an output circuit connected across one of said space discharge paths, means for producing a train of electrical pulses of substantially the same periodicity as said input fixed finger pulses but of longer duration, means for synchronizing said train of electrical pulses with said fixed finger pulses, means for applying said train of electrical pulses to one of said control electrodes and means for applying the input finger pulses from said source to said other control electrode.

576

2,434,895

ELECTRON DISCHARGE DEVICE

Maurice Arditi, Boulogne, Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 1, 1943, Serial No. 485,404
In France July 8, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 8, 1961
10 Claims. (Cl. 250-41.5)

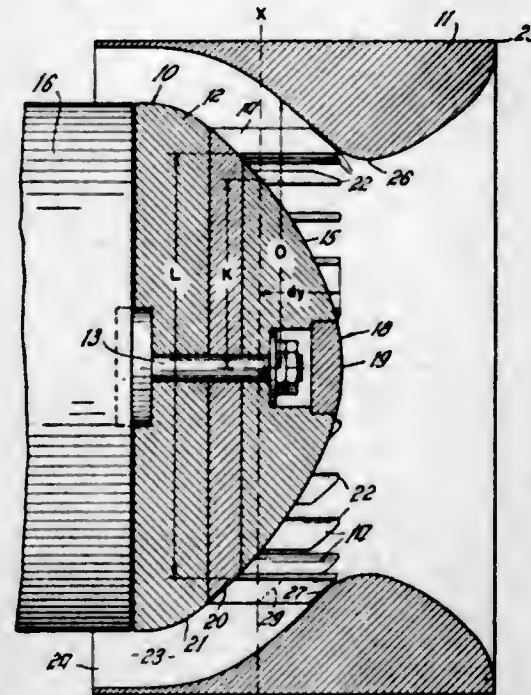


1. In an electronic discharge device, at least one electrode for emitting secondary electrons upon receiving primary electrons, an electronic lens in front of said electrode to project both primary and secondary electrons onto and from said electrodes respectively, means for separating primary and secondary electrons prior to their entrance and after their exit from the electronic lens respectively to form two paths diverging to opposite sides of the axis of the common electronic lens comprising means for producing an electromagnetic field transverse to said paths, and means for establishing a substantially equipotential electrostatic field along said paths.

2,434,896

CENTRIFUGAL IMPELLER

William Ayers, Evanston, Ill., assignor to Ayr Corp., Evanston, Ill., a corporation of Illinois
Application August 8, 1942, Serial No. 454,119
4 Claims. (Cl. 103-103)



2. In a fluid-propelling means, an inner member of circular cross section formed with a forward, substantially unobstructed nose bluntly curved in profile and shaped throughout as a

JANUARY 27, 1948

U. S. PATENT OFFICE

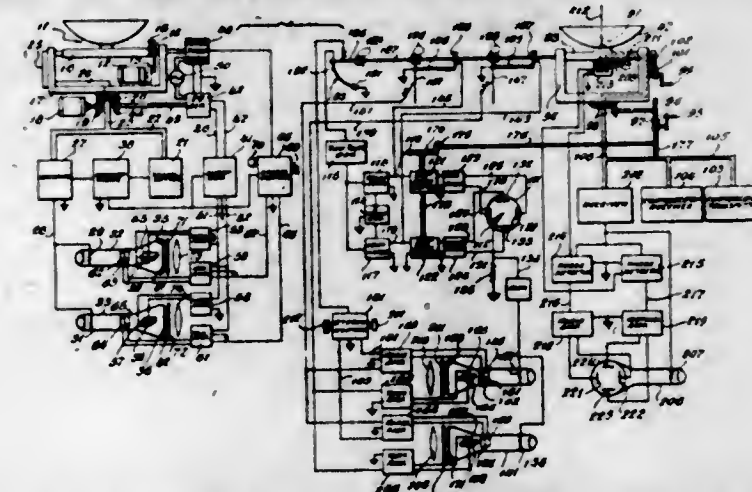
577

paraboloid of revolution, wall means concentrically surrounding said inner member and defining therewith an annular fluid passage of progressively increasing diameter, said wall means extending forwardly from said nose to form an intake opening forward of said annular passage, and a rotary series of blades spanning said passage, said blades being parallel with the axis of said inner member and terminating in a forward plane perpendicular to said axis at the inlet end of said blunt nose and being located to form a cylindrical fluid-propelling zone extending rearward from said forward plane, the cross-sectional area of said nose at any given plane perpendicular to said axis within said cylindrical zone being substantially equal to the circumferential area of said cylindrical zone between said given plane and said forward plane, and all cross-sectional areas of the annular space between said nose and said wall means being equal, whereby as the fluid moves relatively rearward around said nose the fluid is displaced by said nose through said cylindrical zone substantially uniformly along the length of the zone.

2,434,897

STEREOSCOPIC RADIO LOCATION DEVICE

Waldemar A. Ayres, Kew Gardens Hills, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application October 8, 1943, Serial No. 505,472
22 Claims. (Cl. 250-1.62)



11. Apparatus for producing a stereoscopic representation of a directional characteristic of an instrument comprising a display device for producing a pair of stereoscopic representations of said directional characteristic, a positioning device actuated by said instrument for adjusting the position of said representations according to the angular position of said instrument about one axis, a stereoscopic control responsive to angular position of said instrument about a second axis for causing stereoscopic displacement of at least one of said representations according to the position of said instrument about said second axis, and means responsive to the position of said instrument about said second axis for changing the length of said representations.

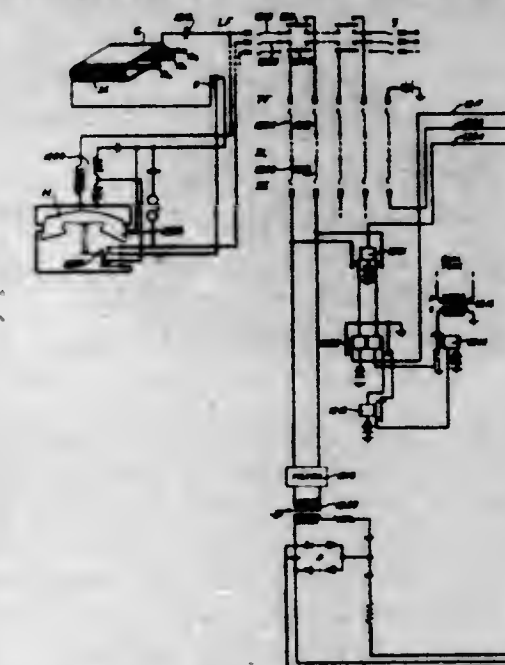
2,434,898

DIGIT REGISTERING MEANS RESPONSIVE TO SELECTIVE FREQUENCIES

Henry M. Bascom, Maplewood, N. J., and Francis A. Hubbard, deceased, late of Maplewood, N. J., by Genevieve M. Hubbard, executrix, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application January 13, 1943, Serial No. 472,202. Divided and this application January 16, 1946, Serial No. 641,592
7 Claims. (Cl. 179-18)

1. In a telephone system, a central office, a line incoming thereto, means for generating current

of a plurality of different frequencies, means for transmitting over said line two impulses of selected frequencies in accordance with any of a plurality of signal values, means at said central office responsive respectively to said different frequencies, two groups of relays, each group comprising as many relays as there are frequency

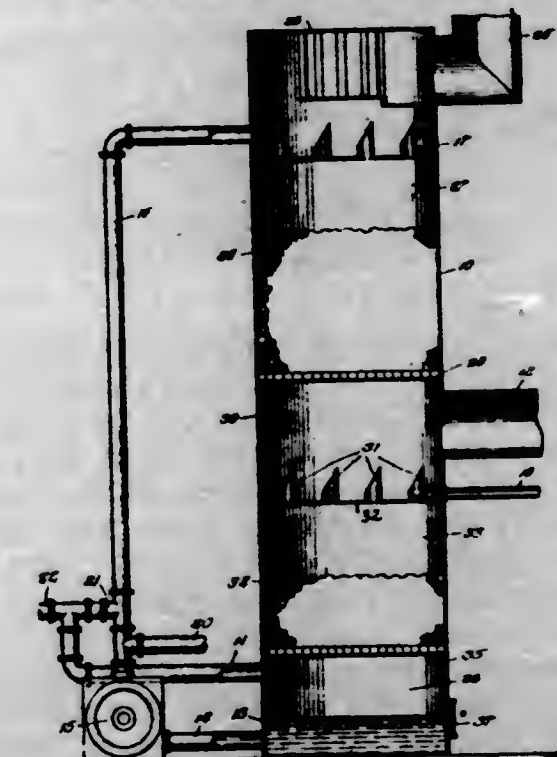


responsive means, means for rendering one of said groups of relays responsive to said responsive means to register the first impulse of a transmitted signal, and means controlled over said line for rendering the other of said groups of relays responsive to said responsive means to register the other impulse of the same signal.

2,434,899

FORMATION OF CONCENTRATED SOLUTIONS OF AMMONIUM SALTS

James D. Biggs, Oronogo, Mo., assignor to The Military Chemical Works, Inc., a corporation of Missouri
Application January 19, 1945, Serial No. 573,532
5 Claims. (Cl. 23-50)



1. A method of producing a concentrated ammonium salt which comprises circulating a solution of the salt down through a column in countercurrent contact with a stream of dehydrating gas, and back to the top of the column through a confined side stream, acidifying the side stream by adding the acid component of the salt produced near the lower end thereof, and then introducing at least a substantial proportion of the ammonia gas into the acidified solution in said confined side stream at a point where a substantial liquid head in said confined stream aids in the absorption of ammonia.

2,434,900

SONIC TRANSLATING DEVICE

Robert Black, Jr., South Orange, and Frank F. Romanow, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1943, Serial No. 494,742
9 Claims. (Cl. 177-386)

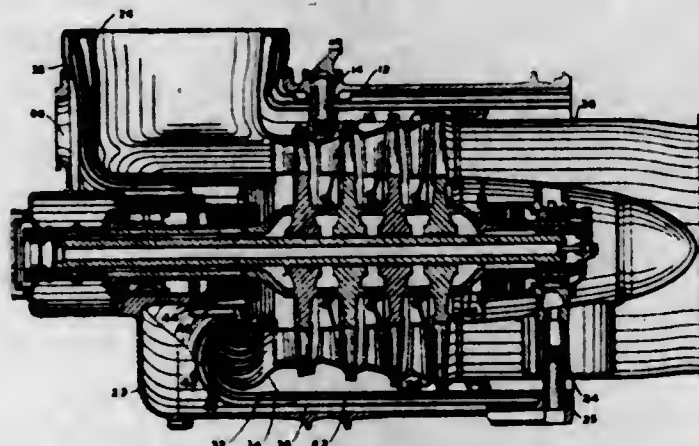


1. A compressional wave signal translating device comprising a rigid shell, a housing enclosing only substantially one-half of said shell and having an opening therein presenting a high impedance to the transmission of compressional wave energy therethrough, resilient means supporting said shell from said housing, and an inertia-type electromechanical translating unit within said shell and including a driving member coupled thereto.

2,434,901

TURBINE COOLING

Richard S. Buck, Glastonbury, and Andrew Kalitinsky, Eagleville, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,873
6 Claims. (Cl. 60-41)



1. A turbine having a housing, a nozzle carrying casing positioned within and supported by the housing, a rotor supported by the housing and located within the casing, and inlet and exhaust ducts connected to opposed ends of the casing and defining with the casing a path for the power fluid, in combination with a number of radiation shields surrounding said casing and ducts and located between said casing and ducts and the outer housing said shields defining at least two separate substantially concentric paths for cooling fluid between the casing and the housing, and means for admitting cooling fluids at different temperatures to said cooling fluid paths.

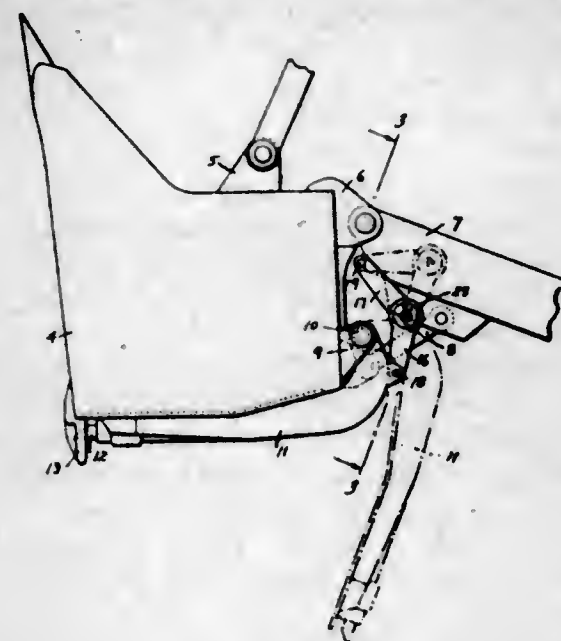
2,434,902

EXCAVATOR DOOR MOUNTING

Will S. Burdick, Wauwatosa, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 27, 1945, Serial No. 612,893
2 Claims. (Cl. 214-146)

1. In an excavating machine having a dipper stick, the combination of a dipper mounted on

said stick and having a door mounted to swing relative to said dipper, and friction producing

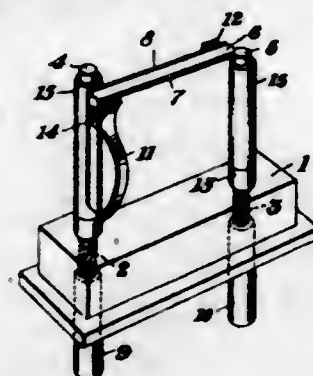


devices connected with said door and the dipper stick and acting to restrain free swinging of said door.

2,434,903

PIEZOELECTRIC CRYSTAL MOUNTING

Samuel A. Bokovoy, Verona, and Henry W. N. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 21, 1944, Serial No. 564,418
8 Claims. (Cl. 171-327)



5. A mounting for a piezo-electric crystal having plated electrodes comprising a base, two metallic inserts extending through the base each having a crystal supporting portion mounted in said base in such a manner as to project substantially at right angles thereto and so as to be substantially parallel to one another, a spring clip mounted on each of said supporting portions and making electrical contact with a plated electrode of said crystal on the side opposite that side of said crystal which is in mechanical contact with the supporting portion bearing said clip, means for preventing an electrical short circuit between said plated electrodes, said means including a covering of insulating material surrounding that portion of each metallic insert which comes in contact with the other plated surface of said crystal whereby conductive contact between said insert and a plated electrode of said crystal is prevented.

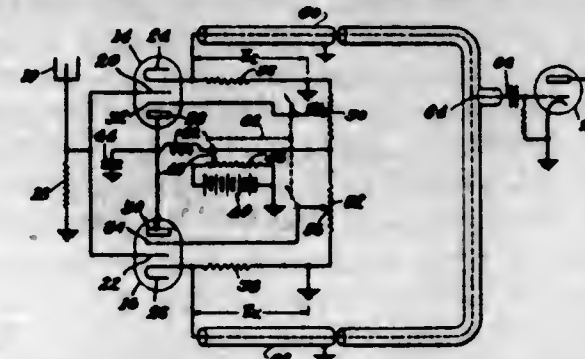
2,434,904

PHASE SHIFTING ARRANGEMENT

Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 3, 1943, Serial No. 481,760
5 Claims. (Cl. 178-44)

1. A phase control apparatus comprising two vacuum tube amplifiers of the cathode follower type comprising an impedance element in the

cathode circuit of each amplifier, each element having a given impedance value, two transmission lines of unequal lengths, one end of one transmission line being connected across one of the impedance elements, one end of the other transmission line being connected across the other of the impedance elements each transmission line

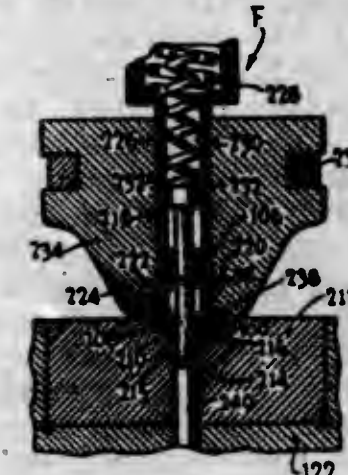


having a surge impedance substantially equal to the value of the impedance element across which it is connected, a translating device, the other end of each of said transmission lines being connected to said translating device for applying a voltage thereto, and means for varying the gain of at least one of said amplifiers whereby the phase of said applied voltage is controlled.

2,434,905

METHOD OF FABRICATING CONTACTS FOR FLUORESCENT STARTER SWITCHES

Harry M. Burt, Narragansett, and Guy H. Burt, Edgewood, R. I.
Application July 8, 1944, Serial No. 544,120
5 Claims. (Cl. 113-119)



1. A method of fabricating an open-ended tubular sheet metal contact for a fluorescent starter switch, said method including the steps of forming two integrally connected tubular sheet metal steps of different diameters and axially compressing, against the shoulder interconnecting the steps, the larger step while externally laterally supporting the side walls of said compressed step except at a circumferential zone immediately adjacent and including said shoulder, whereby said walls will locally bulge out at said zone to form a double-walled flange in said compressed step, one of whose walls includes said shoulder.

2,434,906

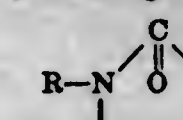
METHOD OF PLASTICIZING PROTEINS AND PRODUCTS THEREOF

Richard Paul Carlton and Howard C. Brinker, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application February 22, 1943, Serial No. 476,762
15 Claims. (Cl. 106-161)

1. A composition of matter comprising a protein plasticized with a material containing an ammonia derivative comprising formamide.

606 O. G.-38

2. A composition of matter comprising a protein plasticized with a material containing an ammonia derivative having the grouping

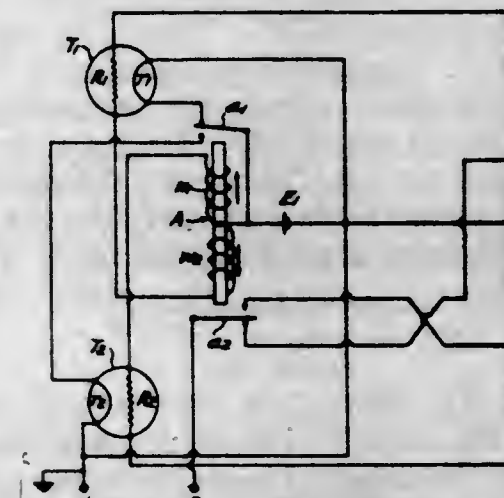


in which the "R" group is an aromatic radical and the free valence of the carbonyl carbon atom is satisfied by a radical from the group consisting of a hydrogen atom and radicals containing oxygen.

2,434,907

GENERATOR OF PERIODICALLY VARYING ELECTRIC CURRENTS

Prafulla Kumar Chatterjee and Leslie Wilfred Houghton, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application June 22, 1943, Serial No. 491,770
In Great Britain July 21, 1942
7 Claims. (Cl. 175-373)

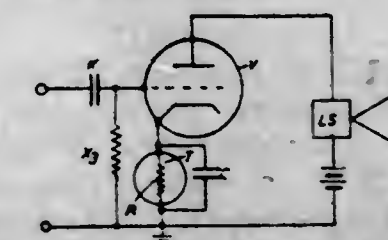


1. A generator of cyclically varying currents, said currents varying from one value to a second value relatively smoothly over a long portion of a cycle due to thermistor action and returning quickly to its first value during a relatively short portion of a cycle due to switching action, said generator comprising at least one load resistor, a source of potential, two thermistors, connections for disposing said voltage source, load resistor and one thermistor in series, an output circuit connected across one of the resistive circuit elements, switching means for interchanging thermistors, that thermistor in circuit being active and undergoing a temperature rise during its operation in circuit, and means controlled by current of said second value through the active thermistor for operating said switching means to inter-change thermistors.

2,434,908

THERMIONIC AMPLIFIER

Prafulla Kumar Chatterjee and Charles Thomas Scully, London, England, assignors, by means assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 12, 1944, Serial No. 517,974
In Great Britain January 13, 1943
6 Claims. (Cl. 179-171)



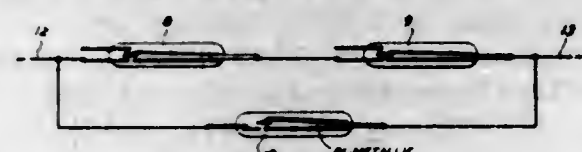
1. An electrical reproducing circuit of the type wherein an electro-acoustical transducer is op-

erated by current derived from a thermionic valve amplifier, including a directly heated thermistor connected in series with the cathode of said thermionic valve so that the cathode current of said valve flows therethrough, the thermistor characteristics and the operating point thereon being so chosen that said thermistor generates harmonics of signal frequencies at the lower end of the voice frequency range for application to said reproducing device.

2,434,909

CIRCUIT MAKER AND BREAKER

Austen M. Curtis, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 24, 1945, Serial No. 574,336
4 Claims. (Cl. 200—38)

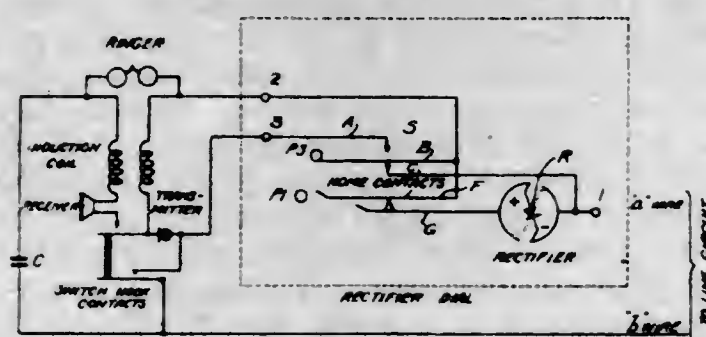


1. The combination of a plurality of contact closing devices mounted contiguously and subjected to a common magnetic influence, one of said devices being normally unresponsive to said magnetic influence, said one of said devices having a thermoresponsive element for rendering it responsive to said magnetic influence.

2,434,910

ELECTRICAL IMPULSE SENDING DEVICE

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Original application February 24, 1944, Serial No. 523,626, now Patent No. 2,406,001, dated August 20, 1946. Divided and this application March 19, 1945, Serial No. 583,478
11 Claims. (Cl. 177—380)



4. A pulsing device for a telecommunication switching system comprising a dry contact rectifier, contacts for connecting said rectifier in signalling circuit, a rotatable member, manually operable means for turning said rotatable member a variable angular distance, and a commutator device under the control of said rotatable member for rotating said element with respect to said contacts whereby the direction of polarity of said rectifier is reversed with respect to said contacts a predetermined number of times dependent upon the extent of the angular displacement of said rotatable member.

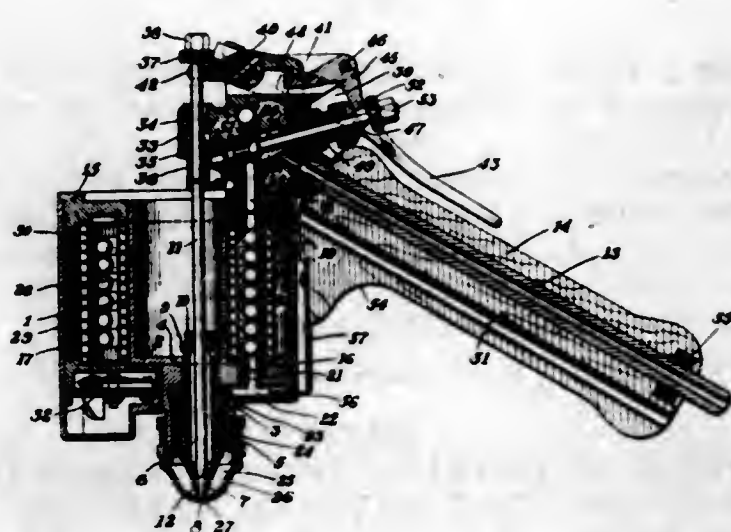
2,434,911

HEATING AND SPRAYING DEVICE

Ivanhoe P. Denysen, Lansdowne, Pa., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 26, 1944, Serial No. 569,736
2 Claims. (Cl. 219—39)

1. A portable heating and spraying device comprising a support provided with a hand grip, a

crucible for the material to be melted and sprayed, spaced electrical resistance heating elements positioned to surround the crucible, a nozzle member having a discharge opening and passage communicating with the crucible, said crucible being formed with a lower nozzle bearing extension to which the nozzle is threaded and formed to provide a chamber and passages surrounding the nozzle, a conduit for a pressure and gaseous medium including a heating coil surrounding the crucible and interposed between the resistance heating elements, said conduit communicating with the chamber and passages of the crucible bearing extension, an outer nozzle member se-



cured to the bearing extension to provide a continuation of the air passage surrounding the nozzle and provided with a discharge port encircling the nozzle discharge opening, valve means operative to control the flow of material and gaseous medium to the nozzle, said supporting grip being formed to provide an intake to the gaseous medium conduit, and operating connections for the valve means having a trigger lever associated with the grip and adapted simultaneously to open the valve means, said operating connections having means for adjusting the degree of the valve opening and being adapted to permit independently opening of the gaseous medium valve.

2,434,912

METHOD OF IMPREGNATING REGENERATED CELLULOSE ROPE

Henry Dreyfus, London, and Donald Finlayson and Richard Gilbert Perry, Spondon, near Derby, England; Claude Bonard, administrator of said Henry Dreyfus, deceased, assigns, by direct and mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 21, 1943, Serial No. 515,144. In Great Britain March 26, 1941

Section 1, Public Law 690, August 8, 1946

Patent expires December 9, 1962

2 Claims. (Cl. 117—143)

1. Process for improving the properties of rope composed of filaments of regenerated cellulose of tenacity at least 2 grams per denier, which comprises impregnating said rope with a solution of a derivative of cellulose of low water-absorption, said derivative being ethyl cellulose, together with about 40% of its weight of castor oil, in a mixture of butanol and xylene, said solution containing about 3-5% of the ethyl cellulose, the impregnation being carried out at from 50 to 100° C.

2,434,913

FIBROUS PRODUCTS

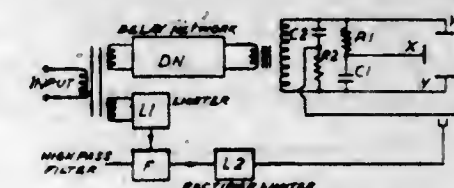
Henry Dreyfus, London, and Donald Finlayson and Richard Gilbert Perry, Spondon, near Derby, England; Claude Bonard, administrator of said Henry Dreyfus, deceased, assigns, by direct and mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 4, 1944, Serial No. 521,136. In Great Britain January 7, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 7, 1963
11 Claims. (Cl. 117—144)

6. Process for the manufacture of cordage which comprises impregnating cordage having a basis of fibers of regenerated cellulose of tenacity at least 2 grams per denier with a solution of a heavy metal naphthenate and of a substance selected from the class of water-resistant esters of cellulose and water-resistant ethers of cellulose, in a hydrophobic liquid at a temperature of at least 120° C., and evaporating said liquid from the impregnated material.

2,434,914

FREQUENCY INDICATING CATHODE-RAY OSCILLOSCOPE

Charles William Earp, London, W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application March 13, 1943, Serial No. 479,123
In Great Britain April 21, 1942
9 Claims. (Cl. 172—245)

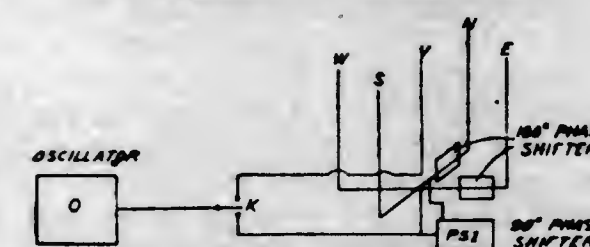


1. A frequency measuring arrangement comprising an input circuit adapted to be supplied from a variable frequency current source under measurement, a cathode ray oscilloscope comprising a fluorescent screen and elements for controlling the path of a luminous trace on said screen, control circuits for applying potentials to said last-mentioned elements, a pair of parallel electrical paths coupled between said input circuit and said control circuits, and a phase distorting network comprising a resistance-capacity delay network in at least one of said paths for producing a phase difference in the outputs of said two paths.

2,434,915

RADIO BEACON SYSTEM FOR BEARING DETERMINATION

Charles William Earp, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application April 21, 1943, Serial No. 483,868
In Great Britain May 11, 1942
21 Claims. (Cl. 250—11)



1. Method of communicating a phase difference which comprises transmitting over a single channel at least two waves for respective time intervals in succession, at least two of said waves having the same frequency and a phase differ-

ence at the receiver which is equal to the said phase difference to be communicated, and receiving the transmitted waves over two different paths having a differential delay of such value that said time intervals of the differently phased waves of equal frequency at the outputs of the two paths overlap for at least part of the time intervals thereof, and measuring the phase difference between the waves in the overlapping portions of said time intervals.

2. A system for communicating a phase difference which comprises means for transmitting at respective successive time intervals two waves of equal frequency but differing in phase by a predetermined amount, a receiver provided with two electrical paths having such differential delay that at the output of the two paths the time intervals of the waves of equal frequency overlap for at least a part of the durations thereof, and a phase measuring device for measuring the phase difference between the waves in the overlapping portions of said time intervals in the outputs of said paths.

2,434,916

TRIGGER OPERATED CARRIER TELEGRAPH TRANSMITTER

Leonard Everett, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 8, 1943, Serial No. 501,528
6 Claims. (Cl. 178—66)



1. A telegraph keying system for operating a continuous wave telegraph transmitter provided with an input tube having a grid maintained at blocking bias potential in the absence of a signal, said keying system including a keyer output tube comprising at least a grid, cathode and anode, an output circuit for said output tube, coupled to grid of said input tube and including means for normally maintaining said blocking bias potential on said input tube grid, means for reducing said potential and unblocking said transmitter tube, said potential reducing means being responsive to a keyed signal for decreasing the output current of said keyer output tube and including a key controlled actuating tube comprising at least a grid, cathode and anode, said tube normally biased to cut off, means coupling said actuating tube to said output tube and a trigger circuit connecting said actuating tube and said output tube, whereby changes from blocked to unblocked condition and from unblocked to blocked condition occur sharply, at a predetermined value of output current from said actuating tube, said connection between the output tube and the actuating tube comprising an impedance in the anode circuit of the output tube across a part of which is connected the grid-cathode circuit of the actuating tube.

2,434,917

MECHANICAL MODULATOR

Morton Fuchs, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 6, 1943, Serial No. 509,252
10 Claims. (Cl. 179—171.5)

1. A modulating system for imparting a modulation to energy supplied from a source to a given

load, comprising a section of coaxial transmission line, means for coupling said source between the inner and outer conductors of said transmission line at one end thereof, means for coupling said load between the inner conductor at the other end of said line and the outer conductor at said one end thereof, the outer conductor of said line being



provided with a gap intermediate the ends thereof whereby the impedance with respect to ground of the outer surface of said outer line between its ends is effectively in series with said load, variable impedance means effectively bridged across said gap, and means for varying said variable impedance to modulate the energy supplied to said load.

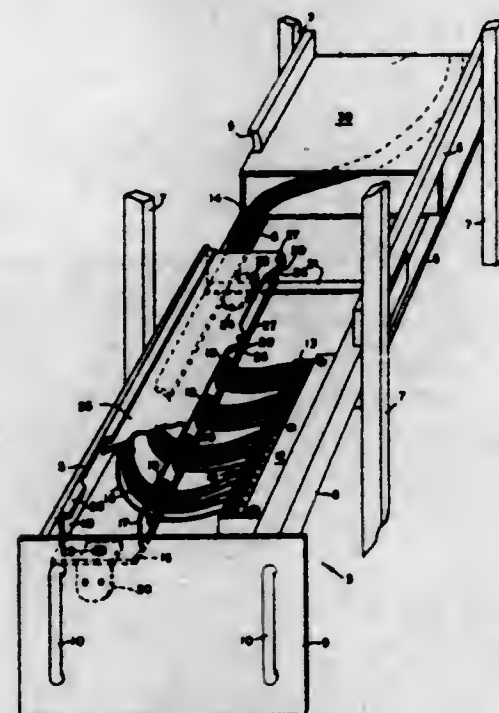
2,434,918

SUPPORT FOR MULTICONDUCTOR ELECTRICAL CABLES

James E. Gall, Washington, D. C.

Application July 14, 1945, Serial No. 605,159
3 Claims. (Cl. 174-72)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a support for a readily interchangeable electrical unit, a rack, a unit removably mounted therein having a plurality of terminals associated therewith, a multi-conductor cable fixedly mounted on said rack and extending therefrom a length sufficient to permit electrical connection thereof to said unit terminals while said unit is partially removed from said rack, a support for the terminal-connecting end of said cable including a duct removably mounted on said unit, adjacent to said terminals and having formed in a side thereof adjacent to said terminals at least one aperture to permit a conductor to extend therethrough and to be connected to a terminal, and a recess in said rack adapted to receive said duct and said cable while said unit is positioned within said rack or while the terminals of a unit are disconnected from said cable and the unit is removed from said rack.

2,434,919 METHOD OF BRAKING ASYNCHRONOUS MOTORS

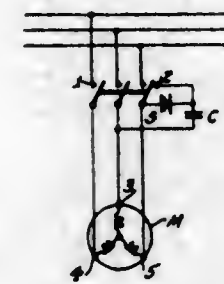
Jean Marie Girard, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application October 30, 1941, Serial No. 417,179
In France September 6, 1940

Section 1, Public Law 690, August 8, 1946

Patent expires September 6, 1960

3 Claims. (Cl. 318-211)



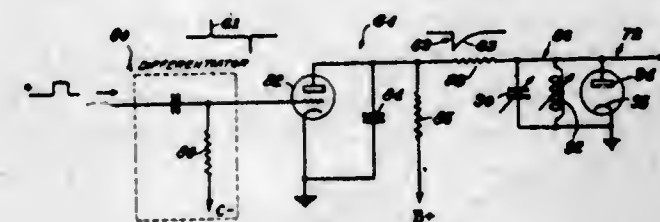
1. A motor control circuit comprising a multi-phase alternating current supply line, switch means in one position connecting said motor to said supply line and in the other position disconnecting said motor from said supply line, a condenser rectifier circuit permanently connected across at least one phase of said supply line on the side of said switch means toward said motor, and a contact connected between said rectifier and condenser and arranged to be closed by said switch means in its motor disconnecting position to short circuit said rectifier, whereby the condenser discharge serves to stop said motor.

2,434,920

PULSE GENERATOR SYSTEM

Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application November 23, 1943, Serial No. 511,406
15 Claims. (Cl. 250-27)



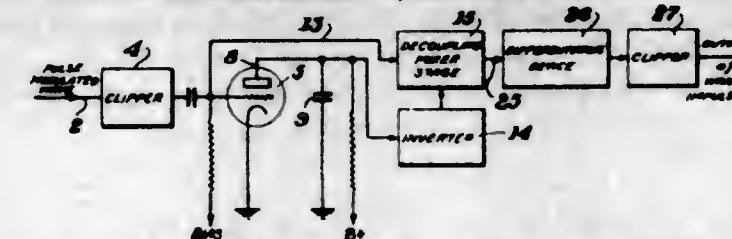
1. A system for producing for each input pulse an output pulse of any desired width within given limits comprising means responsive to each input pulse for producing an edger pulse having leading and trailing edges in which one of said edges is substantially vertical and the other of said edges is curved gradually, a resonant circuit tuned to a frequency the period of which is twice the desired pulse width, means to apply said edger pulse to said resonant circuit, whereby the circuit is shock excited into oscillation by said vertical edge, the curved edge having negligible effect upon such oscillations regardless of the frequency to which said circuit is tuned and the width of said input pulse, means connected across said resonant circuit to permit one undulation to occur and damp out further tendency of the circuit to oscillate in response to an edger pulse, and means for shaping said one undulation into a pulse of substantially rectangular shape.

2,434,921

PULSE AMPLITUDE SELECTIVE SYSTEM

Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application November 2, 1944, Serial No. 561,553
21 Claims. (Cl. 250-27)



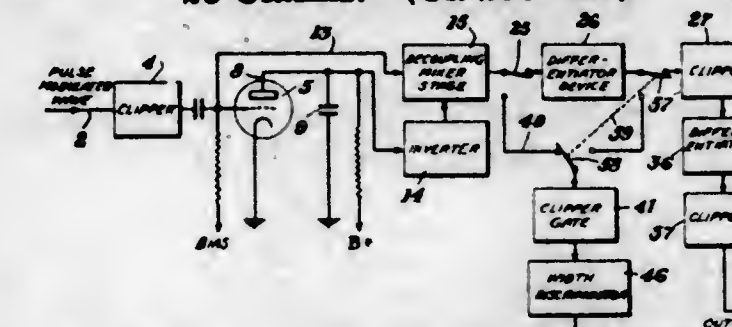
1. A method of discriminating between wanted and unwanted electrical pulses each of said pulses having leading and trailing edges of similar slope characteristics where the unwanted pulse is of amplitude greater than the wanted pulse, comprising distorting at least one edge of said unwanted pulse, processing said distorted unwanted pulse and said wanted pulse to derive pulses from said distorted edge and the corresponding edge of said wanted pulse, the distortion of said one edge rendering the derived pulse thereof of smaller amplitude than the pulse derived from the corresponding edge of said wanted pulse, and clipping the derivation pulses at an amplitude level at least as high as said smaller amplitude to obtain an output pulse corresponding to said wanted pulse.

2,434,922

PULSE AMPLITUDE SELECTOR SYSTEM

Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application November 2, 1944, Serial No. 561,554
23 Claims. (Cl. 250-27)



1. A method of discriminating between wanted and unwanted electrical pulses of substantially the same width and similar shape characteristics where the unwanted pulse is of amplitude greater than the wanted pulse, comprising distorting said unwanted pulse to render it different in a shape characteristic other than amplitude from said wanted pulse, and thereafter processing said pulses to separate them according to their difference in said shape characteristic.

2. A method according to claim 1 wherein said distorting operation renders at least a part of the unwanted pulse of a width different from the width of the wanted pulse, and said processing operation includes the step of discriminating between the width characteristics of said distorted pulse and said wanted pulse.

2,434,923

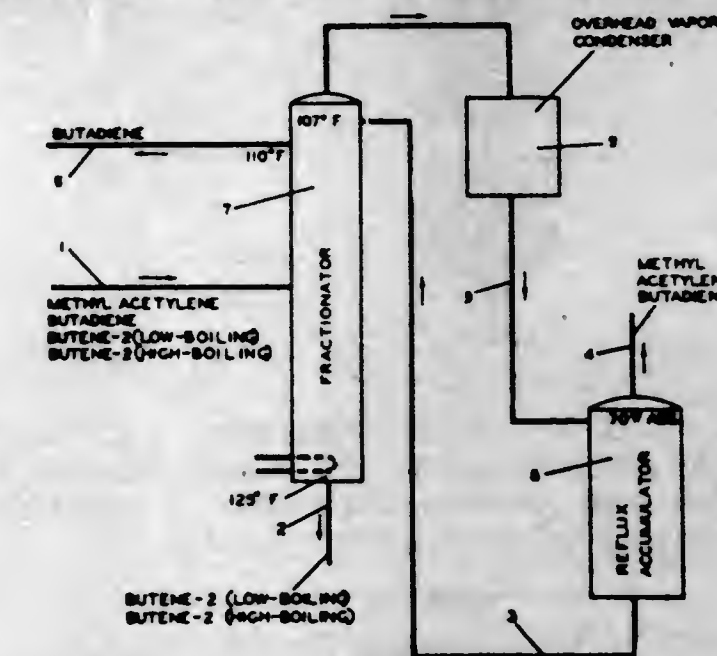
DISTILLATION OF BUTADIENE FROM METHYL ACETYLENE AND HIGHER-BOILING HYDROCARBONS

Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application March 22, 1943, Serial No. 480,084
7 Claims. (Cl. 202-40)

7. The process of recovering butadiene substantially free from methyl acetylene from a hydrocarbon feed containing butadiene, methyl acetylene, and butene-2, in the same fractionator wherein said butadiene is separated from said butene-2, which comprises introducing said feed into a fractionator at an intermediate point therein and fractionally distilling same therein, withdrawing from the fractionator a bottoms product of butene-2 and an overhead vapor consisting essentially of butadiene and substantially

all of the methyl acetylene contained in said feed, condensing said overhead and returning at least a portion of the condensate to the top of said fractionator as reflux therefor, said reflux consisting essentially of butadiene and methyl acetylene, and withdrawing a liquid butadiene product substantially free from methyl acetylene at a point in the fractionator intermediate the points at which the feed and reflux enter the same.



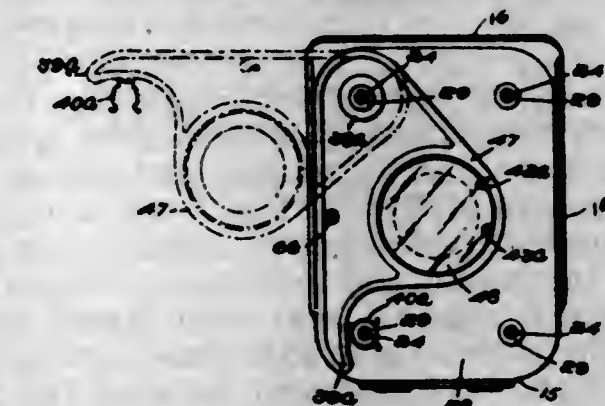
all of the methyl acetylene contained in said feed, condensing said overhead and returning at least a portion of the condensate to the top of said fractionator as reflux therefor, said reflux consisting essentially of butadiene and methyl acetylene, and withdrawing a liquid butadiene product substantially free from methyl acetylene at a point in the fractionator intermediate the points at which the feed and reflux enter the same.

2,434,924

FLAME FAILURE CONTROL APPARATUS

James C. Hamilton, Lexington, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts

Application June 20, 1945, Serial No. 600,535
9 Claims. (Cl. 250-41.5)



1. A light-restricting container for housing a light-sensitive member comprising, heat-radiation members spaced apart and away from said container, supporting means for said container, means for circulating air between said radiation members and a heat-absorbing filter mounted between and in close proximity to said radiation members.

2,434,925

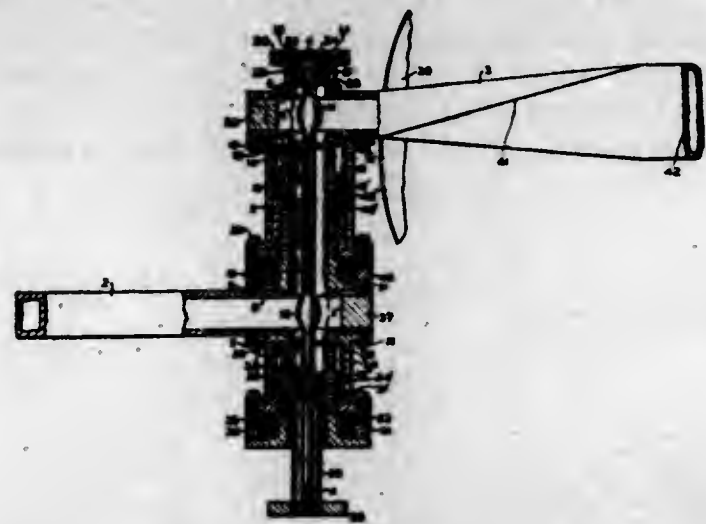
COUPLING MEANS FOR RELATIVELY MOVABLE WAVE GUIDES

Robert O. Haxby, Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application May 27, 1942, Serial No. 444,661
19 Claims. (Cl. 178-44)

5. In an electromagnetic wave conducting means having relatively turnable sections and

an interconnecting section having relatively turnable portions, means for securing the relatively turnable portions of said interconnecting section

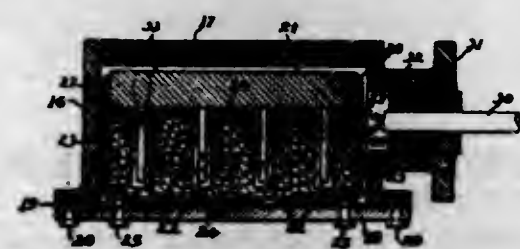


to said respective turnable sections, and wave trap means for preventing the escape of energy through the gap between the relatively turnable portions of said interconnecting section.

2,434,926

UNDERWATER SOUND TRANSMITTER OR RECEIVER

Harvey C. Hayes, Washington, D. C.
Application March 8, 1937, Serial No. 129,640
8 Claims. (Cl. 177-386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for emitting or receiving acoustical wave energy comprising a plate the top face of which is adapted to be placed in acoustic contact with a transmitting medium for said energy, electro-mechanical energy interchanging means secured to and supported by said plate for imparting acoustic wave energy to said plate when energized or receiving energy therefrom, a support member supporting said plate independently of said energy interchanging means, the supporting surface of which support is at least large enough to underlie the perimeter of said plate, and a layer of resilient material interposed between the supporting surface of said support member and the bottom face of said plate.

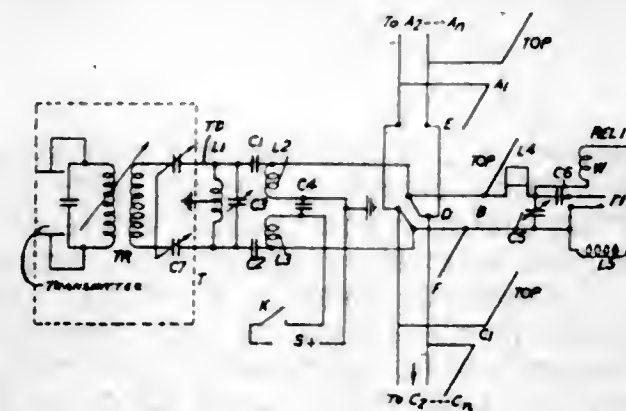
2,434,927

ANTENNA SYSTEM FOR DEFINING A BLIND APPROACH PATH

Louis John Heaton-Armstrong, London, England, assignor, by means assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 15, 1943, Serial No. 506,301
In Great Britain November 10, 1942
Section 1, Public Law 690, August 8, 1946.
Patent expires November 10, 1962
5 Claims. (Cl. 250-11)

1. A beacon for radio-guiding systems of the type in which field distribution of pattern is commutated, so as to produce complementary signals to the right and left of the course respective-

ly and to produce on the course a continuous signal, including a central antenna and other groups of antennae located in alignment on each side of said central antenna, means for feeding the respective groups of antennae with currents the phases of which are of opposite signs with respect to the current in said central antenna, means for reversing the sign of the phase of the current in

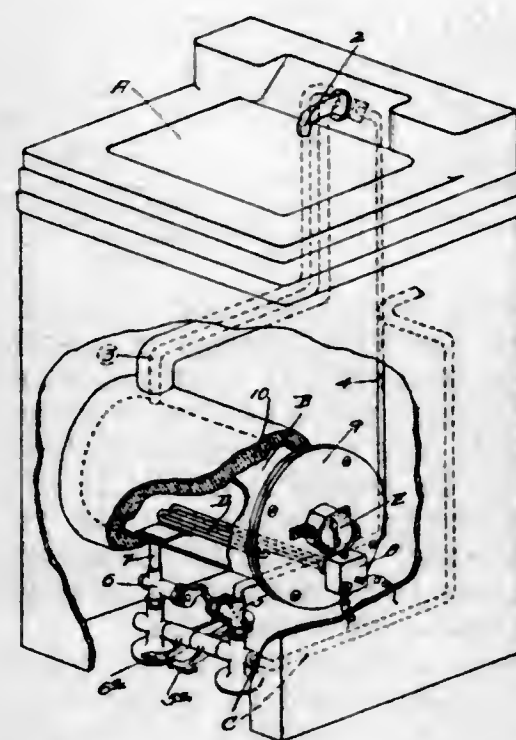


said central antenna with respect to the currents in said other groups, and means for making the strength of the currents in the antennae of said groups nearer said central antenna relatively greater than in the other antennae of said groups, and of such energy value as to eliminate any reversal in sign of the field distribution around the system.

2,434,928

HOT AND COLD WATER SYSTEM

Jared A. Hill, Burlingame, Calif., assignor, by Decree of Distribution, to Elsie M. Hill
Application January 16, 1945, Serial No. 573,063
3 Claims. (Cl. 219-39)

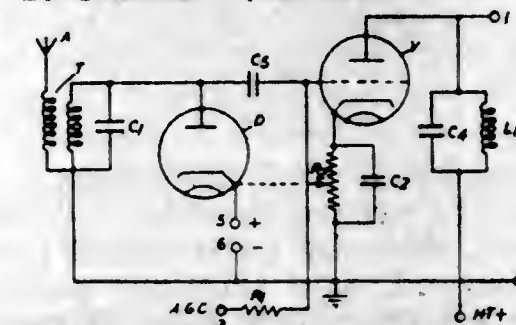


1. A water heating and delivering system comprising a tank connected with a source of cold water supply under pressure, a valve controlling the flow of water from said source to the tank, an open discharge outlet connected with the uppermost part of the tank and extending above the tank, said open discharge maintaining approximately atmospheric pressure in the tank and maintaining a sufficient head of water above the tank to insure a full tank of water at all times and at the same time permit a free escape of oxygen liberated during heating of water in the tank, and a thermostatically controlled electric heating element to maintain the water in the tank at a predetermined temperature.

2,434,929

RADIO RECEIVER CIRCUITS

John Douglas Holland and Duncan Dove Robinson, London, England, assignors, by means assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 12, 1944, Serial No. 517,928
In Great Britain January 22, 1943
10 Claims. (Cl. 179-171)

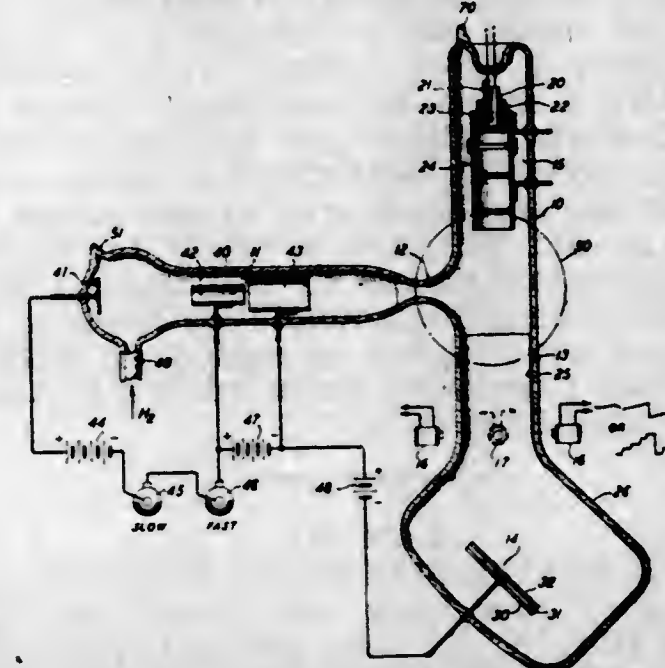


9. An electric signal transmission system having at least one thermionic valve amplifying stage having a control grid, means connected with the amplifying stage for securing automatic gain control, and amplitude limiting means, said last means including a rectifier connected with the control grid to limit the amplitude of the signal voltage applied to said amplifying stage, and additional means connected in the circuit isolating said automatic gain controlling means from the amplitude limiting means whereby the voltage derived from the gain control means is substantially prevented from adversely affecting the action of said amplitude limiting means.

2,434,930

METHOD AND APPARATUS FOR IONIC DISCHARGE COATING

John B. Johnson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1944, Serial No. 566,062
12 Claims. (Cl. 117-33.2)

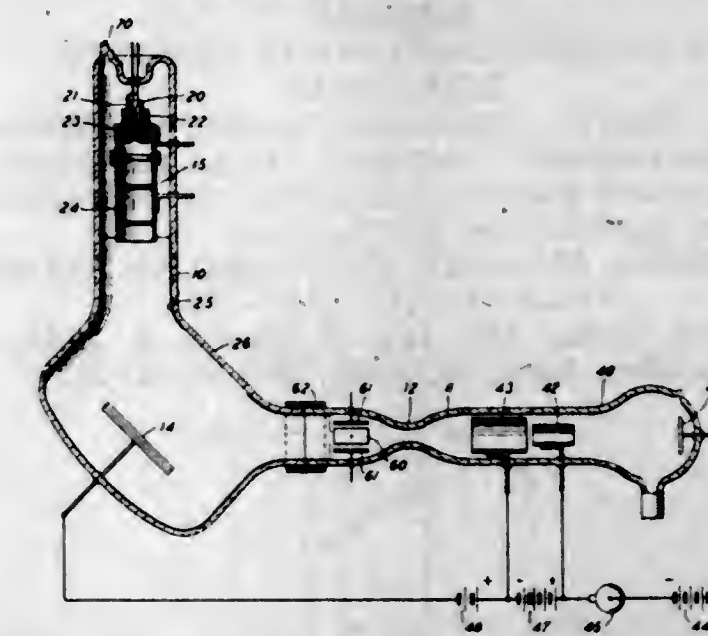


7. The method of making a mosaic target for an electron beam which comprises ionizing hydrogen in an electric field formed between two electrodes in an evacuated container, focussing the positive ions formed by said ionization into a beam which is highly concentrated and of relatively small cross-sectional area, and causing said beam to scan a two-dimensional pattern on a target surface comprising an electrically non-conducting oxide of one of the metals from the group consisting of the solid metals of group II in the periodic table and aluminum to produce by reduction a uniform pattern of metallic and non-conducting portions, and photosensitizing the metallic portions of said pattern.

2,434,931

METHOD AND APPARATUS FOR IONIC DISCHARGE COATING

John B. Johnson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1944, Serial No. 566,063
9 Claims. (Cl. 117-33.2)

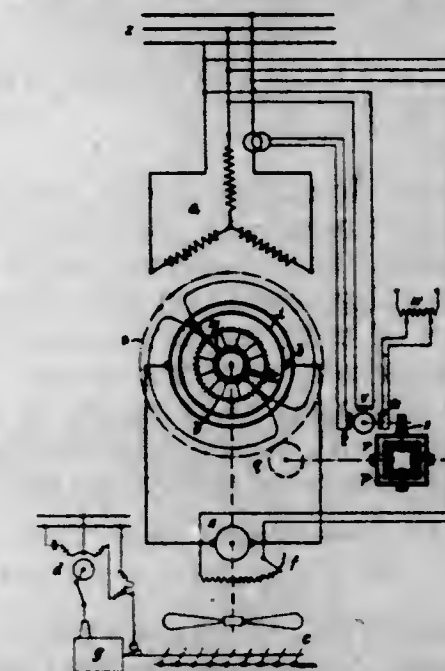


7. The method of metallic coating which comprises ionizing oxygen in an electric field formed between two electrodes in an evacuated container, focussing the positive ions formed by said ionization into a beam which is highly concentrated and of relatively small cross-sectional area, causing said beam to scan in a manner to produce a uniform oxide pattern thereon a two-dimensional portion of a metallic target surface comprising a metal from the group consisting of the solid metals of group II in the periodic table and aluminum, and photosensitizing the metallic portions of said pattern.

2,434,932

LOAD REGULATION OF SYNCHRONOUS MACHINES

Robert Keller, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application December 6, 1943, Serial No. 513,127
In Switzerland October 7, 1942
8 Claims. (Cl. 172-246)



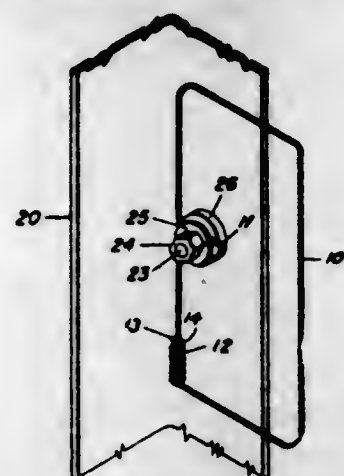
1. A synchronous electrical machine adapted to be operated in parallel with another functionally similar machine in an alternating current network, said machine comprising stator windings for connection to an alternating current network, a closed rotor winding having tapped connections to a commutator, brushes engaging said commutator and mounted on a rotatable brush yoke,

circuit means for connecting said brushes to a direct current source, means for synchronously rotating said brush yoke, and means for displacing said brushes angularly with respect to the rotating magnetic axis of the rotating field of the stator windings to regulate the load on said machine.

2,434,933

TRANSMISSION LINE FLASHOVER DETECTOR

Allen L. Kinyon, Vancouver, Wash., and William E. Scarborough, Portland, Oreg., assignors to the United States of America, as represented by the Secretary of the Interior
Application March 26, 1945, Serial No. 585,000
3 Claims. (Cl. 177-311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

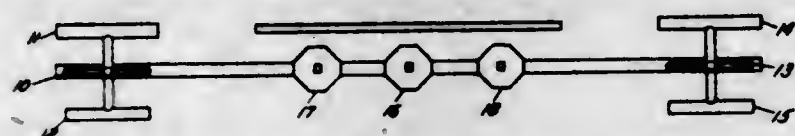


1. A supporting structure for a transmission line in combination with a lightning flashover detection device comprising a closed loop including a multi-turn helix of material of fair electrical conductivity, and a magnetizable link replacably supported in said helix.

2,434,934

LOCALIZER RADIO ANTENNA ARRAY

Donald J. Kitzerow, Dayton, Ohio, assignor to the United States of America, as represented by the Secretary of War
Application March 1, 1945, Serial No. 580,456
6 Claims. (Cl. 343-109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A directional localizer radio antenna array comprising main means for radiating directional adjacent cardioid field pattern radio waves and means for bilaterally confining and strengthening the long sectors of said patterns and comprising a folded dipole driven antenna array bilaterally and oppositely disposed in relation to said main radiating means, said driven dipoles being oppositely flanked by parasitic reflectors and directors.

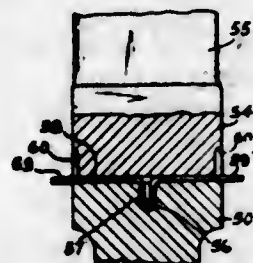
2,434,935

TURBINE APPARATUS

Reinout P. Kroon, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 8, 1946, Serial No. 646,427
4 Claims. (Cl. 253-77)

1. For use in elastic fluid utilizing apparatus having rooted blades whose roots are disposed in transverse grooves in a rotor; a member for securing a blade element in its rotor groove ele-

ment, said member comprising an elongated body adapted to be positioned in a groove between a wall thereof and the blade root and having a lateral projection intermediate its ends for reception in a mating recess in one of said elements, whereby the member may be held against move-

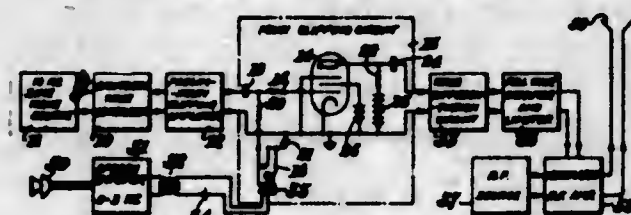


ment longitudinally, the body being of greater length than the groove in which it is adapted to be positioned, whereby its terminal portions extend therebeyond, said terminal portions being deformable whereby they may be bent to abut the opposite sides of the other of said elements.

2,434,936

MODULATION SYSTEM

Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, a corporation of Delaware
Application August 24, 1942, Serial No. 455,898
9 Claims. (Cl. 179-171.5)

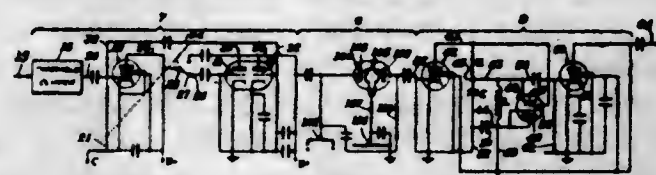


1. A time modulation system comprising a source of foundation waves of fixed frequency having a fixed reference axis of amplitude, clipping means connected to receive the waves from said source and adapted to transmit only those portions of said waves which lie between upper and lower limits of a substantially fixed amplitude range while substantially blocking transmission of those portions which lie outside said limits, a source of modulating signals of a lower frequency than said foundation waves, a biasing circuit for said clipping means to normally fix the amplitude level of said range with respect to said axis, and a circuit for applying said modulating signals to said biasing circuit for varying the relative amplitude levels of both said limits with respect to said fixed reference axis of said foundation waves while maintaining said axis at its fixed value.

2,434,937

SELECTIVE FILTERING SYSTEM

Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application May 24, 1943, Serial No. 488,182
13 Claims. (Cl. 178-44)



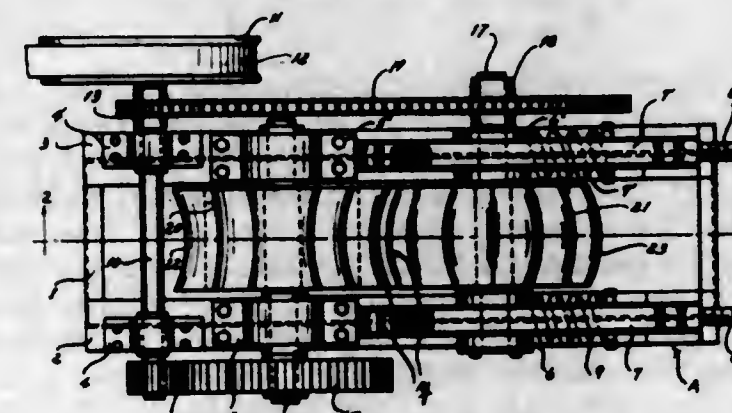
12. A system for selectively filtering an original train of differently shaped pulses to produce a new train of desired pulses corresponding to a given shape comprising: means to eliminate those pulses of undesired amplitude, means to eliminate

those pulses of undesired slope by changing their base width from that base width of the desired pulses, means coupled to the output of the last-named means to eliminate those pulses of undesired width, and means to correlate the results from the above-mentioned means to produce said new train of desired pulses.

2,434,938

OPPOSED ROLL CRUSHER WITH COMPLEMENTARY DOUBLE-CURVATURE DRESS

James L. Lature, Los Angeles, Calif., assignor to Gruendler Crusher & Pulverizer Company, St. Louis, Mo., a corporation of Missouri
Application October 9, 1944, Serial No. 557,740
4 Claims. (Cl. 241-236)

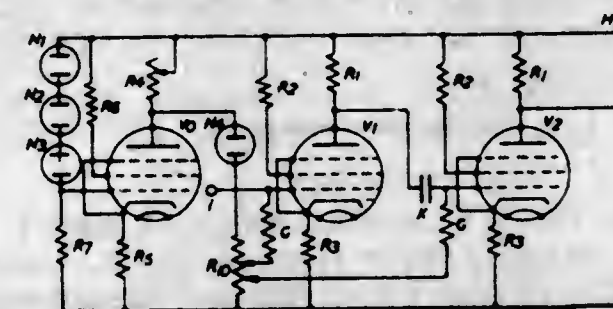


3. In a roll crusher comprising a pair of spaced parallel rolls having outer shells secured thereon, said shells having complementarily shaped outer grinding surfaces, one of which surfaces is axially convex and the other of which surfaces is axially concave, said surfaces further having intermeshing circumferentially spaced length-wise extending corrugations.

2,434,939

THERMIONIC VALVE CIRCUITS

Maurice Moise Levy, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 18, 1944, Serial No. 518,703
In Great Britain January 29, 1943
10 Claims. (Cl. 179-171)



1. In an electric circuit, a source of power of variable voltage, at least one thermionic valve having input and output circuits, the output circuit being supplied with current from said source, a separate stabilizing amplifier having an input circuit supplied with a potential varying with said variable voltage, and an output circuit controlling the input circuit of said thermionic valve so as to render its output substantially independent of said variable voltage.

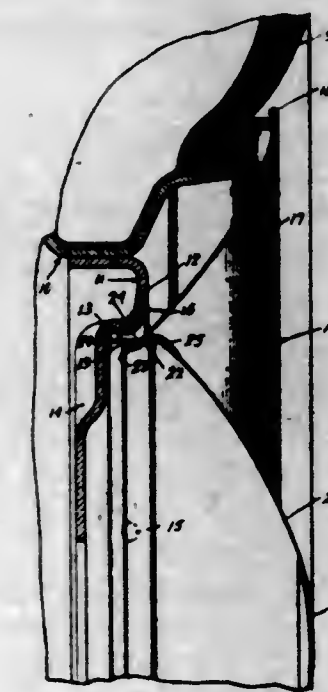
2,434,940

VEHICLE WHEEL COVER

George Albert Lyon, Allenhurst, N. J.
Application September 1, 1945, Serial No. 613,995
4 Claims. (Cl. 301-37)

1. In a cover structure for a wheel, including a flanged tire rim and a load bearing body part

therefor having a centrally depressed flange with generally radially inwardly projecting protuberance means, a cover assembly retainingly cooperable with said means, comprising a radially outer annular cover member, extending radially and axially inwardly from an outer edge of the rim over the flanges thereof and into telescoping re-

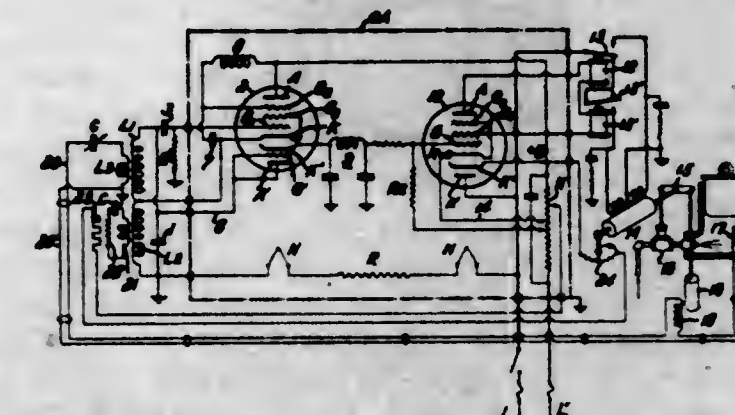


lation with said depressed flange, said annular member having an axially extending edge portion formed to be snapped over and into retaining detachable cooperation with said protuberance means, and a central cover part telescopically nested in the center of said member, said member having retaining means for detachably holding said central part in cooperation therewith.

2,434,941

ELECTRONIC MEASURING AND CONTROL APPARATUS

George A. F. Machlet, Elizabeth, N. J.
Application August 21, 1943, Serial No. 499,557
29 Claims. (Cl. 236-68)

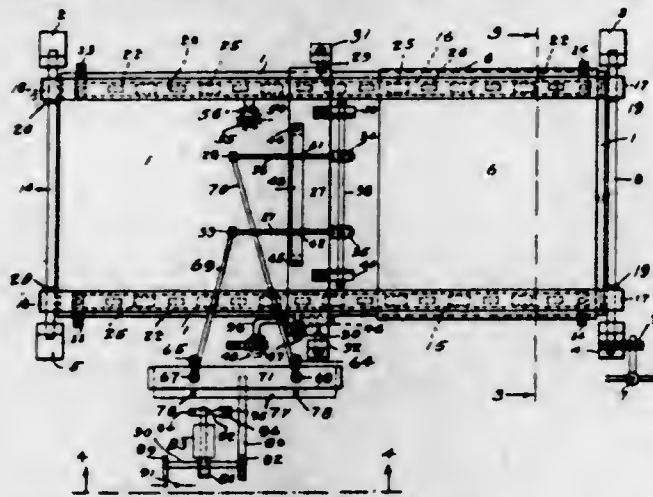


13. In an electronic measuring or control apparatus, a source of oscillatory current, an electronic tube having an input network coupled to said source, said network being normally balanced at a selected control factor value to develop a predetermined normal current output from said tube, an output network for said tube including a controlled device operative upon departure of the current output from its normal value, and a controlling circuit for affecting the balance of the input circuit network in accordance with changes in the magnitude of a selected control factor; said controlling circuit including a coil coupled to an inductance of said input circuit network, and a non-capacitive impedance varying in magnitude with said control factor.

2,434,942

CHEMICAL TESTING DEVICE

Joseph William Magee, Arlington, Va.
Application April 24, 1946, Serial No. 664,444
3 Claims. (Cl. 91-12)
(Granted under the act of March 3, 1883, as
amended April 30, 1928; 370 O. G. 757)

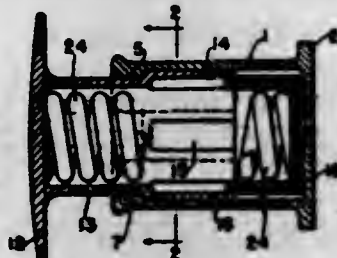


1. In a device of the class described, the combination of a stationary platen with means for transporting a test sheet across said platen in coplanar relationship thereto, a plurality of applicators mounted above said platen for movement toward and away from said platen into wiping engagement with said test sheet, solenoid means for causing said applicators to engage said sheet during transport, photoelectric means interrupted by said test sheet for actuating said solenoid means, and means for delivering proportional quantities of test solutions to each applicator with passage of each test sheet.

2,434,943

RESILIENT END BUFFER FOR RAILWAY CARS AND LOCOMOTIVES

John W. Marsh, Alexandria, Va., assignor of one-fourth to Florence E. Marsh, one-fourth to Marianne Marsh, and one-fourth to Mary Marsh, all of Alexandria, Va.
Application November 9, 1944, Serial No. 562,655
5 Claims. (Cl. 213-221)

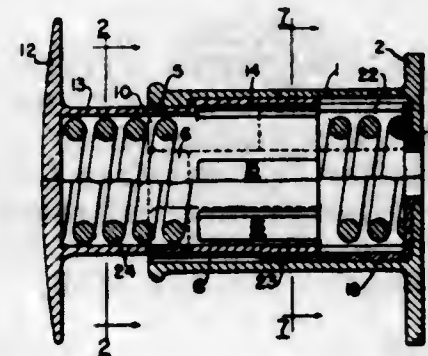


1. A buffer comprising an outer cylinder having one end substantially closed and having inwardly projecting shoulders at the opposite end, said closed end having an undulated surface facing the interior of the cylinder, an inner cylinder slidably disposed in said outer cylinder and adapted to project therefrom, said inner cylinder having a buffing head on its exposed end and radially projecting portions adjacent its end within the outer cylinder, said portions being substantially coextensive with the shoulders aforesaid and spaced at intervals permitting the passage of the latter therebetween, a key member positioned within said outer cylinder, comprising an elongated portion adapted to engage said radially projecting portions and a plate portion having an undulated surface adapted to cooperate crest to valley with said undulated surface on the end of said outer cylinder, when aforesaid radially projecting portions are substantially coextensive with said shoulders, and a resiliently compressible member positioned within the inner cylinder and abutting the plate portion of the key member and the buffing head of the inner cylinder.

2,434,944

BUFFER FOR RAILWAY CARS

John W. Marsh, Alexandria, Va., assignor of one-fourth to Florence E. Marsh, one-fourth to Marianne Marsh, and one-fourth to Mary Marsh, all of Alexandria, Va.
Application November 25, 1944, Serial No. 565,122
5 Claims. (Cl. 213-221)

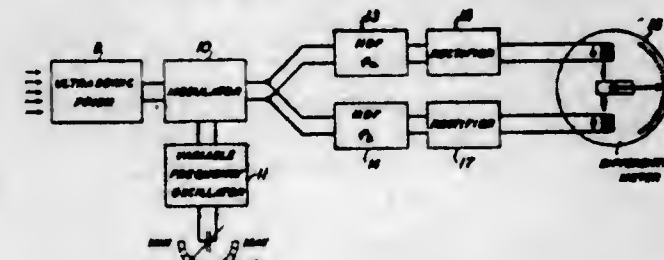


1. A buffer comprising a housing having one end open and the other substantially closed and also having circumferentially spaced inward projections at its outer end, a hollow plunger extending into the housing through its open end and adapted to be moved axially relative to the housing, the exposed end of the plunger being substantially closed and the plunger having circumferentially spaced outward projections lying within the housing and engageable behind the housing projections to limit the outward movement of the plunger from the housing, the projections on the plunger being adapted, upon partial relative rotation of the housing and plunger, to be passed between the housing projections, the housing having an opening of non-circular outline in its closed end, the opening having side walls extending substantially parallel to the longitudinal axis of the housing, a lock member within the housing having a projection received within said opening, the side surfaces of said projection extending substantially parallel to and engaging corresponding side walls of said opening to hold the lock member and housing against relative rotation, the lock member and plunger having interengaging means preventing relative rotation of the lock member and plunger while permitting their relative longitudinal movement, and spring means within the plunger and housing acting on the closed end of the plunger and on the lock member to maintain the projection on the lock member in said opening in the closed end of the housing.

2,434,945

DIRECTION FINDING INSTRUMENT

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 18, 1943, Serial No. 491,277
5 Claims. (Cl. 177-386)



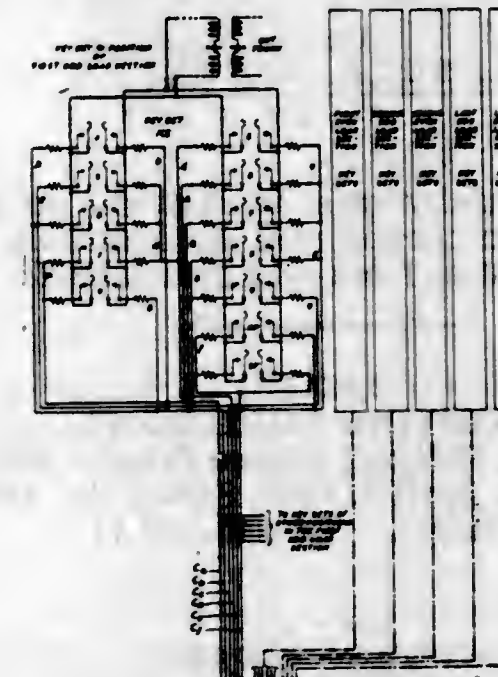
5. In a system for determining the direction of an incoming signal, a prismatic receiver for deriving from said incoming signal a frequency indicative of the angle of approach of said signal, a modulator connected to the output circuit of said receiver, a variable source of frequency for controlling said modulator, parallel paths leading from said modulator, sharply tuned filters and

rectifiers in said paths, the tuning of said filters being different from each other and a differential meter for comparing the output of said rectifiers.

2,434,946

STONE SUPPLY TEST CIRCUIT

Burton McKim, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1944, Serial No. 526,765
10 Claims. (Cl. 179-175.2)

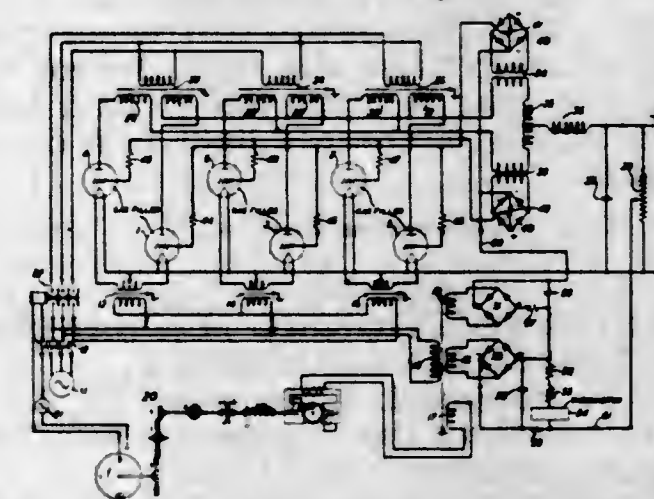


1. The combination with an electric power source and a plurality of loads connected thereto, of means for intermittently testing and retesting for the normal voltage output of said source, means responsive to an abnormal voltage of said source for disconnecting said loads from said source and reconnecting them thereto in succession prior to a retest, and means for locking said source out of service if the retest indicates an abnormal voltage of said source.

2,434,947

REGULATED RECTIFIER

George W. Meszaros, New York, N. Y., and David E. Trucksess, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1943, Serial No. 502,596
14 Claims. (Cl. 175-363)



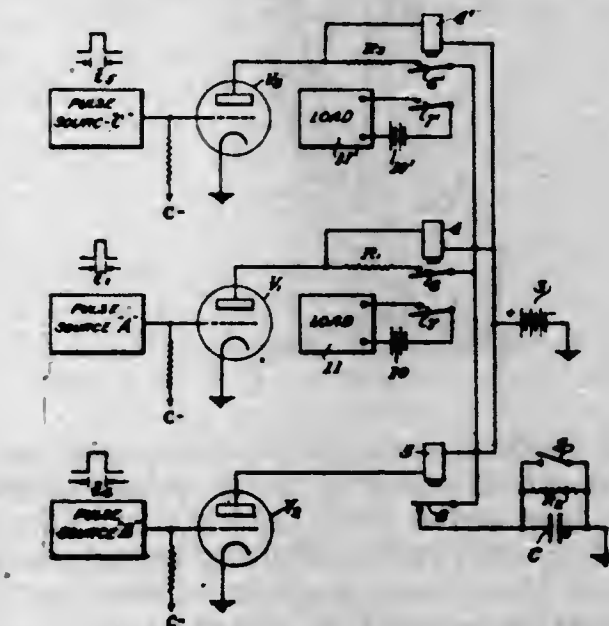
1. In combination, two electronic devices each having an anode, a cathode and a control electrode, current paths for the anode-cathode currents flowing in said devices, respectively, a source of alternating voltage in each of said paths for causing to flow in said paths, respectively, currents having direct and alternating components, two means for rectifying alternating currents

supplied thereto, means for supplying said alternating current components from said paths to said rectifying means, respectively, for causing to be set up unidirectional voltages the amplitudes of which vary in response to alternating component current variations in the respective paths, and means for maintaining substantially constant the ratio of the currents in said paths, said means comprising means for utilizing one of said unidirectional voltages for biasing the control electrode of one of said devices with respect to its cathode, and means for utilizing the other of said unidirectional voltages for biasing the control electrode of the other of said devices with respect to its cathode.

2,434,948

IMPULSE ACTUATED ELECTROMAGNETIC RELAY WITH TIME DELAY

Horace G. Miller, Belleville, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 27, 1944, Serial No. 519,927
9 Claims. (Cl. 175-320)



1. In an electrical circuit including an energy source, an electro-responsive mechanism and a source of power, the combination of a normally inoperative control element in circuit relation with said source of power and said electro-responsive mechanism, means responsive to the initial reception of energy from said source, said energy being of a certain duration to render said element operative to energize said electro-responsive mechanism, a resistance-capacitor combination having a time constant greater than the duration of said reception of energy said combination being serially connected across said source, and means under control of said resistance-capacitor combination, whereby said mechanism is maintained energized for a predetermined time over a circuit independent of said control element.

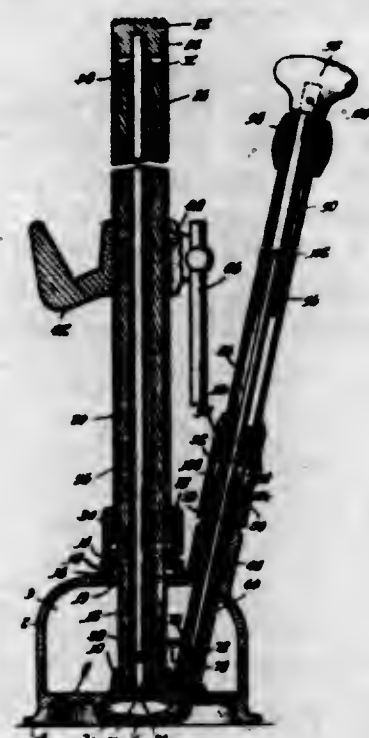
2,434,949

HYDRAULIC JACK

Joseph J. Mueller, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application March 31, 1944, Serial No. 528,851
2 Claims. (Cl. 60-52)

1. In an hydraulically actuated jack, the combination of a basal casting having a substantially horizontal bottom wall, said wall having a centrally disposed annular upstanding wall providing a well and beneath which is a centrally disposed, cup-shaped wall providing a centrally disposed ram chamber adapted to receive liquid, the

upper portion of said base above said well being provided with a central bore the central axis of which corresponds with the central axis of said well, a ram cylinder mounted in said bore and seated in the internal walls of said well, a ram in said cylinder and a load member for said arm, the upper surface of the bottom wall, to one side of said well being provided with a substantially conical valve seat, the central axis of which is provided with an opening communicating with said ram chamber, the upper portion of said basal casting adjoining said first mentioned bore being provided with a second bore, the central axis of which coincides with the central axis of said valve seat, a high pressure pump cylinder mount-



ed in said second bore, said pump cylinder being formed on its lower end as a valve adapted to seat upon said valve seat, said pump cylinder being internally and longitudinally bored, and a piston therein, the lower portion of said pump cylinder below the lowermost seating position of said piston being formed with a liquid inlet and a liquid discharge conduit, and valve means controlling said conduits, the interior of said basal casting forming a liquid-containing reservoir surrounding said ram cylinder and said high pressure pump cylinder whereby the liquid inlet formed in said pump cylinder communicates with said reservoir, means for reciprocating the piston, and means for shifting the valve relatively to and from its seat.

2,434,950

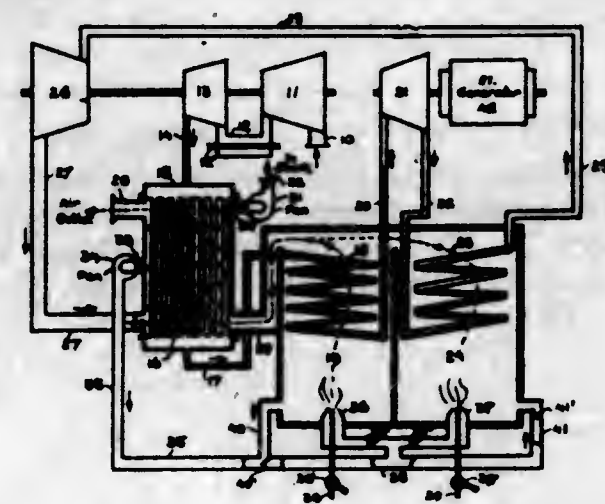
AIR SUPPLY ARRANGEMENT FOR HOT-AIR POWER PLANT FURNACES

Frederick Nettel, Manhasset, and Johann Kreitner, New York, N. Y.

Application October 26, 1944, Serial No. 560,475
3 Claims. (Cl. 60-59)

3. In an air expansion power system of the continuous combustion type, comprising means to take in a continuous stream of air from the atmosphere, means to compress it, means to heat it by heat transfer from the system's exhaust air and from fuel combustion gases, said means including a fuel burning furnace adapted to use an oxygen containing stream of predetermined temperature as combustion supporting medium, and means to expand the compressed and heated air for developing power, branch conduit means connecting said furnace to said heat transfer means for supplying oxygen that has passed through said expansion means as combustion supporting medium to said furnace, said branch conduit

means being connected to a point of said heat transfer means where the temperature of the oxy-

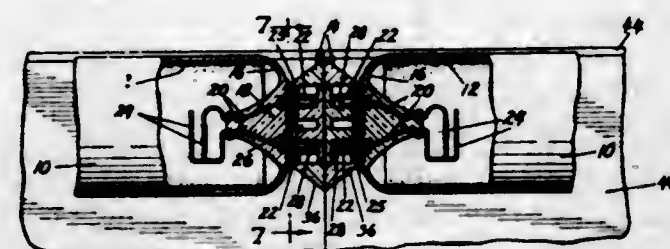


gen is substantially lower than at the outlet from said expansion means and substantially higher than at the outlet from said heat transfer means.

2,434,951

LIGHTING EQUIPMENT

Ralph B. Netting, Grosse Pointe, Mich.
Application April 8, 1942, Serial No. 438,066
6 Claims. (Cl. 240-51.11)



1. In combination, a light-diffusing surface, a substantially cylindrical fluorescent lighting tube having electric terminals on the opposite ends, a pair of aligned lampholders projecting from said reflecting surface and spaced apart a distance equal to substantially the length of the tube, said lampholders each provided on the sides facing one another with one or more contacts for engaging the terminals on the ends of the tube and supporting the tube, each lampholder having an arcuate light diffusing face corresponding generally in diameter to that of the tube and partially encircling said contacts, said arcuate face being inclined outwardly away from said inwardly facing side of the lampholder on the several sides of the apertures around which it partially extends, said tube being constructed to discharge light axially from the ends thereof such that when the tube is supported by said lampholders the axially discharged light falls on said inclined faces.

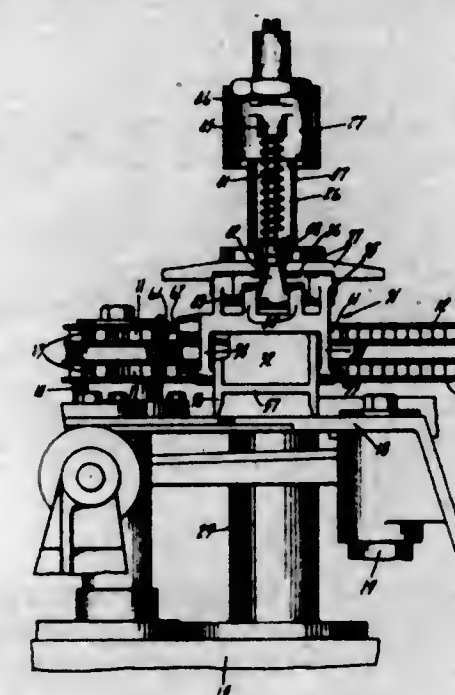
2,434,952

CONTAINER POSITIONING MECHANISM FOR FILLING MACHINES

Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Original application September 7, 1940, Serial No. 355,845. Divided and this application December 21, 1944, Serial No. 569,241
11 Claims. (Cl. 226-94)

1. In a centralizing device for selectively locating different sized containers at a working station, the combination of a body member rotatable into different selected positions at said station, and spaced side wings on the sides of said body member, the associated wings on one

side being differently spaced from those on another side, the distance between associated



wings corresponding to the size of container at said station.

2,434,953

LOWER ALKYL POLYSILOXANEBORATES AND THEIR PRODUCTION

Winton I. Patnode, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Original application July 1, 1944, Serial No. 543,209. Divided and this application November 30, 1945, Serial No. 632,132
5 Claims. (Cl. 260-607)

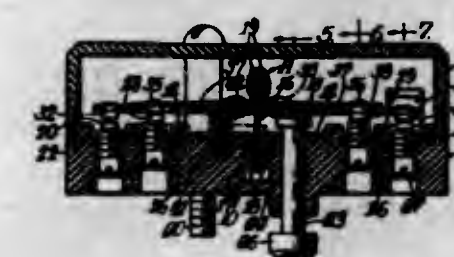
1. A composition comprising a borate of lower-alkylpolysiloxane.

2,434,954

SWITCH STRUCTURE

Ralph Penn, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application December 16, 1943, Serial No. 514,481
11 Claims. (Cl. 206-6)

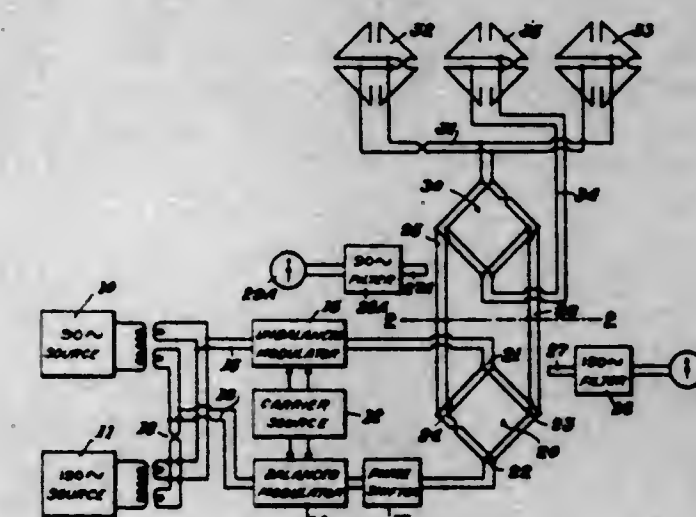


1. In a switch structure, a base, a leaf spring upstanding therefrom, a switch arm supported intermediate its ends on said leaf spring, extending substantially parallel to said base and having portions of substantially equal mass and shape on opposite sides of the point of support, a pair of stationary contacts on said base on each side of said leaf spring, movable contacts on the outer ends of said switch arm for coaction with the outer two of said stationary contacts, auxiliary movable contacts on said switch arms spaced inwardly from said first movable contacts for coaction with the inner two of said stationary contacts, a return spring between said base and said switch arm on one side of said leaf spring, and an actuating pin slidably mounted on said base and engageable with said switch arm on the opposite side of said leaf spring from said return spring.

2,434,955

MODULATING SYSTEM

Sidney B. Pickles, Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application August 26, 1943, Serial No. 500,959
7 Claims. (Cl. 250-11)



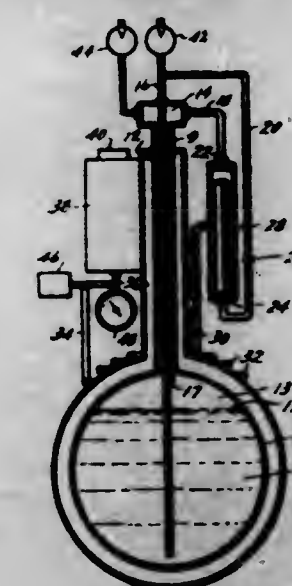
1. A system for providing a carrier modulated separately with two different signals, comprising first means for supplying carrier energy and a first and a second signal sideband, second means for supplying said first and second sidebands with one of said sidebands being phase reversed with respect to the sideband from said first means, a network having two conjugate input terminals, two conjugate output terminals and phase reversing means between one of said input and one of said output terminals, means for respectively applying energy from said first and second means to said input terminals, and output means coupled to said output terminals for deriving said carrier energy and one of said sideband signals, respectively, from said output terminals.

2,434,956

LIQUID OXYGEN "WALKAROUND" UNIT

Spencer S. Prentiss, Washington, D. C., assignor to The United States of America, as represented by the Secretary of War
Application November 5, 1945, Serial No. 626,870
9 Claims. (Cl. 62-1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



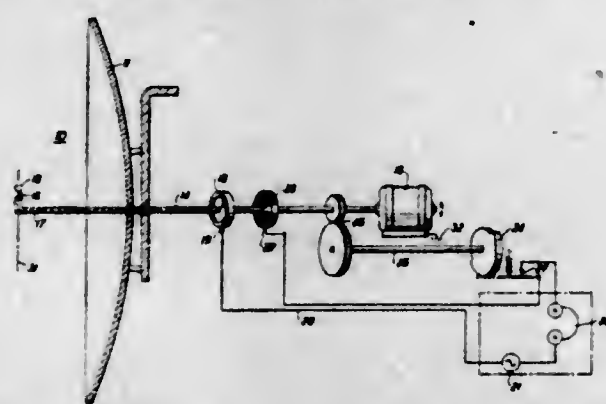
9. In a device for storing liquid oxygen and controlling its conversion into gas phase oxygen, a heat insulated container, a warming coil outside said container, a primary channel from the inside of said container at the top thereof to said warming coil, a secondary channel from the inside of said container at the bottom thereof to said warming coil, and means associated with

said primary channel automatically operative when the device is inverted to close said primary fluid channel, whereby fluid may flow only through said secondary fluid channel.

2,434,957

ACOUSTIC INDICATOR FOR DIRECTIONAL RECEIVERS

Donald A. Quarles, Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 19, 1944, Serial No. 531,704
8 Claims. (Cl. 250-11)

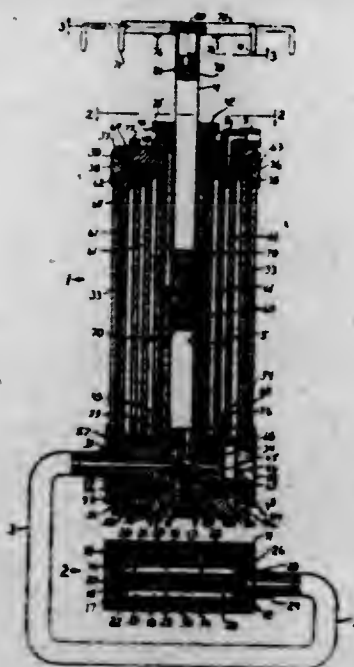


1. A directionally selective receiving system for radiant energy comprising means having a reference axis, said means functioning to scan cyclically over a range of directions symmetrically related to said reference axis, said scanning means including means for producing a response which varies in amplitude over the scanning cycle when the said reference axis is directed at a material angle with respect to a direction from which radiant energy is incoming, a source of audible waves, means to modulate the amplitude of the waves emitted from said source in accordance with the said variations in the response of said scanning means, and means substantially independent of duration and amplitude to provide an acoustic identification of a reference phase in the scanning cycle.

2,434,958

WATER PURIFIER

David H. Quinn, United States Navy
Application February 25, 1944, Serial No. 523,843
18 Claims. (Cl. 210-112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



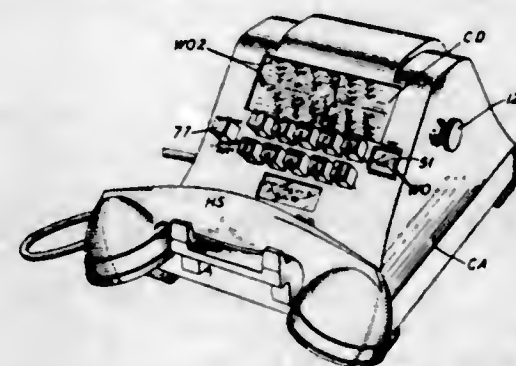
2. A filter unit comprising a base having a tubular extension forming a pump cylinder; a cylindrical casing seated on said base and surrounding said extension; a lower head member seated on the top of said casing; an upper head

member seated on said lower head member and engaging said extension; a gland nut having threaded engagement with the top of said extension and operable to compress said head elements and said casing against said base; filter elements within said casing and fixedly attached to said lower head element; said base being provided with valve means admitting fluid to said pump cylinder and from said pump cylinder to the interior of said casing, said head elements being provided with an outlet permitting the discharge from said casing of fluid which has passed through said filter elements; and a reciprocable pump shaft within said cylinder and having an exterior handle.

2,434,959

CALL TRANSMITTER FOR INTERSTATE TELEPHONE COMMUNICATION

Charles D. Richard, West New Brighton, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1945, Serial No. 616,621
13 Claims. (Cl. 179-90)

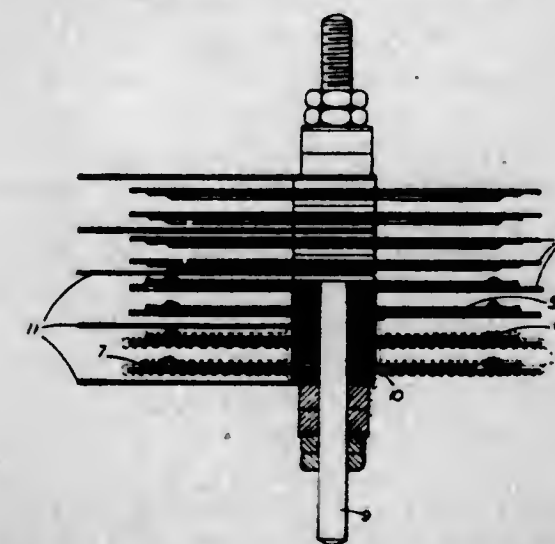


1. A call transmitter device having means for establishing a talking connection from an automatic exchange in a state to another automatic exchange in another state and from the called state to an automatic exchange in a city in that state, other means for connecting the telephone exchange in that city to a telephone subscriber in another locality, and a plurality of means for indicating the call symbol of the called state, the call symbol of the called city in that state and the call symbol of the subscriber in that city digit after digit upon the transmitting of such a call.

2,434,960

METAL RECTIFIER

Edward Arthur Richards, London W. C. 2, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 16, 1943, Serial No. 476,074
In Great Britain February 27, 1942
9 Claims. (Cl. 175-366)



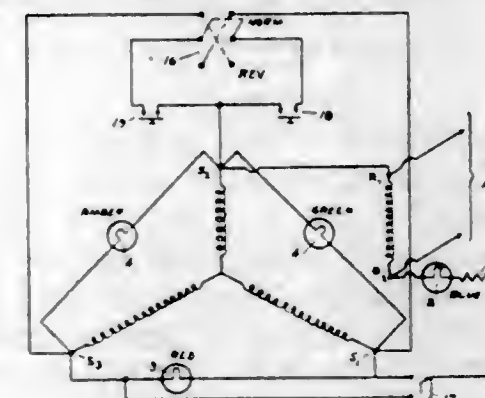
1. A dry rectifier element comprising a base plate, a semi-conducting layer, a counterelec-

trode and a cover plate covering the counterelectrode and in close annular marginal contact therewith, said contact being provided to exclude liquid coating material from the inner portion of the counterelectrode, and an annular groove in said cover plate near its outer edge adapted to limit the penetration of the coating material of the rectifier element.

2,434,961

DEVICE TO TEST SYNCHRO CIRCUIT AND SYNCHRO EQUIPMENT

Baldwin W. Ridley, Valley Stream, N. Y.
Application July 3, 1945, Serial No. 603,099
11 Claims. (Cl. 177-337)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

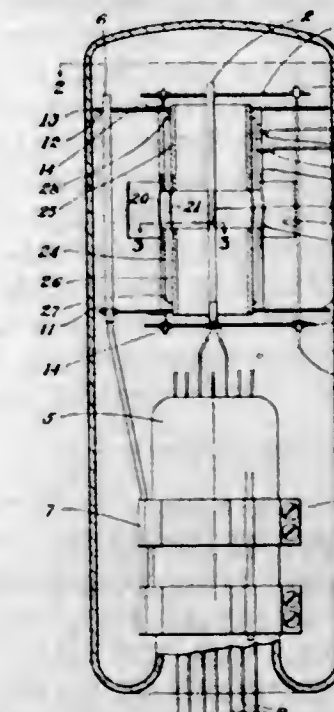


10. Apparatus for testing a synchro unit for circuit continuity, said unit having relatively rotatable parts, one of said parts being of the plural-winding type, said apparatus comprising first switch means for effecting short-circuiting connections across adjacent windings of said one part, second switch means for connecting the other part in parallel with said plural-winding part, and individual indicating means connected across said adjacent windings and in series with the other part of said unit.

2,434,962

ELECTRON DISCHARGE DEVICE OF THE CAVITY RESONATOR TYPE

Ernest Rostas, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 3, 1943, Serial No. 489,473
In France May 17, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires May 17, 1960
7 Claims. (Cl. 250-27.5)



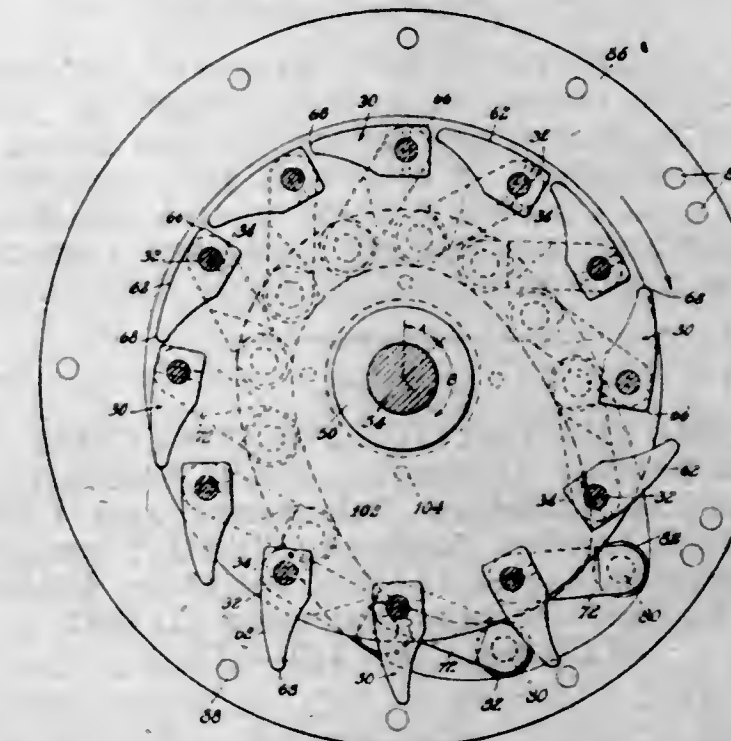
1. An ultra high frequency electron velocity modulation device including an electron-emitting cathode for developing radial streams of electrons, means for modulating the velocity of the

electrons in the path of said stream and transferring energy therefrom to an oscillating field, the last-mentioned means comprising a substantially cylindrical cavity resonator having two spaced walls concentrically surrounding said cathode, aligned windows in each of said walls for defining said path of the stream as an annular electron path for the electrons from said cathode, electron repeller means surrounding said aligned windows, and grid electrodes mounted in each of said aligned windows, each of said grid electrodes being bowed outwardly along said path of the electron stream from the cathode thereby defining a substantially toroidal space between said grids.

2,434,963

YARN-TRANSFER MECHANISM

Edgar H. Schmidt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 29, 1946, Serial No. 680,389
14 Claims. (Cl. 28-71.6)



1. A yarn-transfer mechanism positioned above the floor and a collection device comprising a rotating shaft, a pair of spaced discs secured to said shaft, a plurality of flipper shafts rotatably mounted in said discs circumferentially of the mechanism, a flipper secured to each flipper shaft and extending between said discs, the trailing edge of each flipper being in close proximity to the leading edge of the following flipper in normal position and when the yarn to be transferred is fed thereon, means to actuate the shaft of each flipper when said flipper has reached a point in the rotation of the unit of from 45° to 90° from the vertical to move the trailing edge of said flipper in an outward direction and downwardly at an accelerated speed to dispose the yarn in a straight path perpendicular to the floor at the point of yarn discharge, and means operative at the point of discharge to snap the flipper inwardly whereby said flipper will be quickly moved out of contact relationship with the yarn and the yarn will descend to the collection device in a path perpendicular to the floor.

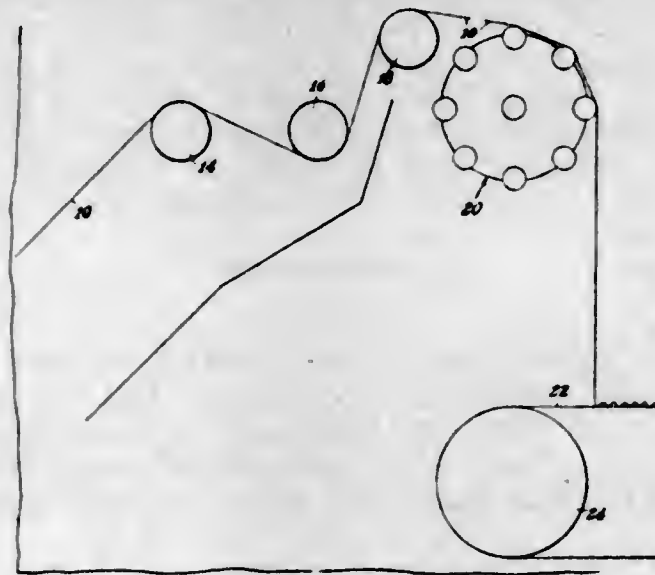
2,434,964

YARN-TRANSFER MECHANISM

Morgan J. Rarick, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 26, 1946, Serial No. 684,395
15 Claims. (Cl. 28-71.6)

1. In an apparatus for simultaneously transferring a plurality of yarns arranged in a warp

sheet to a collection device positioned at a spaced distance therebeneath, a rotatable wheel having a plurality of yarn-supporting means rotatably mounted in spaced relationship on the periphery thereof, means to continuously rotate a predetermined number of said yarn-supporting means including those which receive and advance the

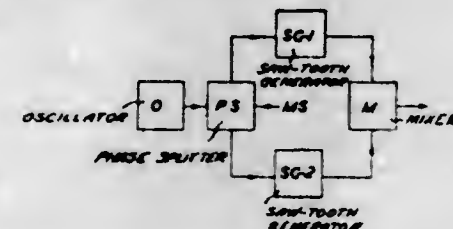


yarns to discharge position on one of said yarn-supporting means while the remaining yarn-supporting means are stationary, and means to rotate said wheel to dispose a yarn-supporting means into stationary position and simultaneously advance a previously stationary yarn-supporting means into position where it is rotated.

2,434,965

TIME MODULATION PULSE SYSTEM

Ronald Bradley Shepherd, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application August 11, 1943, Serial No. 498,205
In Great Britain September 11, 1942
16 Claims. (Cl. 179-171.5)



15. An electrical pulse transmission system comprising two sawtooth generators, means for supplying to said two sawtooth generators respectively synchronizing alternating voltages of the same frequency but of different phase, said means including a sinusoidal oscillator and a variable phase splitter, a source of modulating signals and means for controlling said phase splitter by modulating signals from said source so as to vary the phase of at least one of said voltages, whereby the phase difference of said two voltages is varied by said signal source.

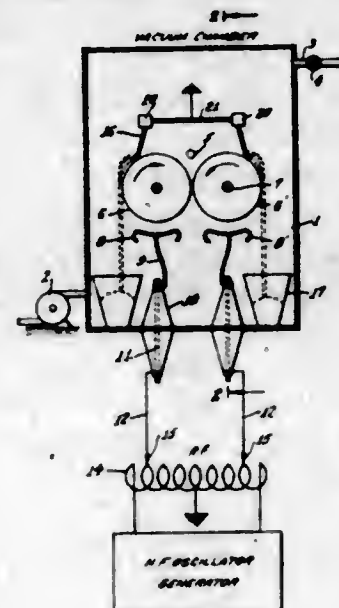
2,434,966

DEHYDRATION OF LIQUIDS

Vernon W. Sherman, Summit, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 4, 1944, Serial No. 525,062
11 Claims. (Cl. 159-11)

1. Electrostatic heating apparatus of the character described comprising an enclosure, electrode drums of high electric conductivity metal suitably journaled therein in closely spaced relation, means for delivering the material to be heated upon the surfaces of and between the electrode drums, an electrode positioned in spaced

relation to each of the drums to determine an electrostatic field through the material adhering to the surface of the drums, a high frequency

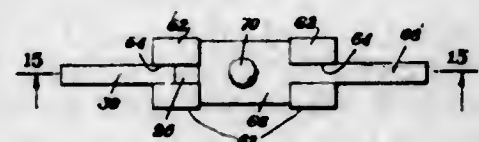


oscillatory generator having its output leads connected to the respective electrodes and means for electrically grounding the drums to minimize the voltage of the drums with respect to earth.

2,434,967

RECTIFIER AND METHOD OF MAKING THE SAME

Murray F. Skinker, Montclair, N. J., Ivanhoe P. Denysen, Lansdowne, Pa., and Max G. Kolmes, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 26, 1943, Serial No. 507,671
19 Claims. (Cl. 175-366)



1. A rectifier comprising, in combination, an insulating base, a metal plate having a narrow extension, mounted on the upper surface of said base, a coating of rectifying material on the upper surface of said metal plate, a layer of insulating material having an opening therethrough covering said rectifying coating, counter-electrode alloy on said insulating layer and extending through said opening to the rectifying layer, and a metal clamp in the general form of an inverted U about said insulating base, metal plate, rectifying coating, insulating layer and counter-electrode alloy, said clamp having the inner side of its top contacting said counter-electrode alloy and its arms gripping the underside of said insulating base, whereby said metal clamp forms one terminal of the rectifier and the extension of said metal plate the other rectifier terminal.

2,434,968

BABY HARNESS

Beatrice I. Smith, Olmstead Falls, Ohio
Application July 18, 1946, Serial No. 684,519
8 Claims. (Cl. 227-49)

6. A restraining garment for a child comprising an elongated strip having a relatively wide portion provided with a neck opening and a relatively narrow portion extending from the end of the wide portion and a wider portion at the opposite end of the narrow portion, there being a

plurality of openings in the two wider portions adjacent opposite ends of the strip and two pairs of tying straps, each pair anchored to opposite sides of the strip adjacent the junction of the

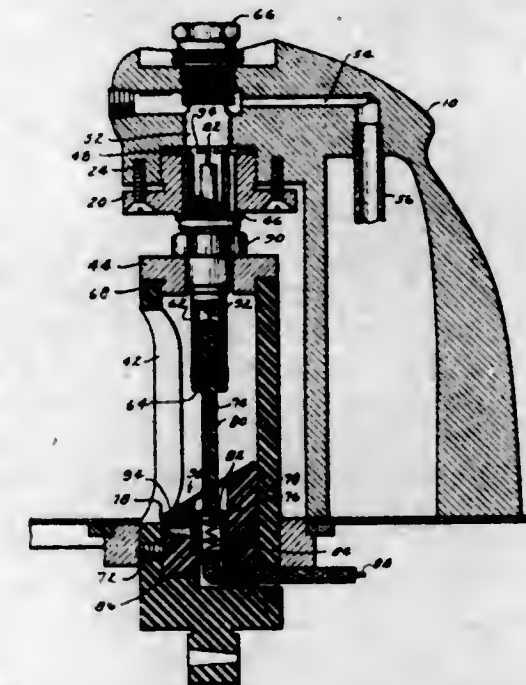


portion having the neck opening and the relatively narrow portion, said straps being adapted to pass through openings adjacent the strip ends when such ends overlap each other.

2,434,969

SPARK PLUG TESTER

Carl Jacob Snider, Brooklyn, N. Y.
Application February 19, 1946, Serial No. 648,803
3 Claims. (Cl. 175-183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



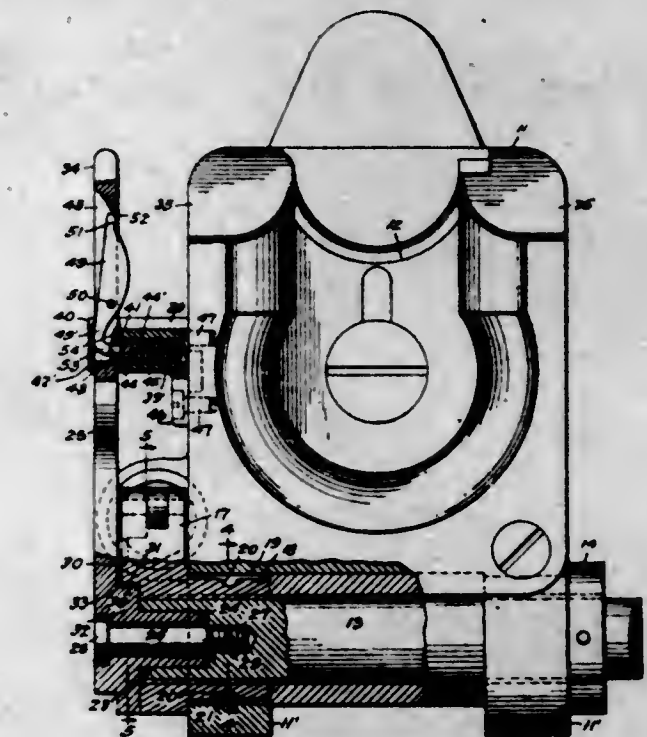
3. A device for testing the insulation of shielded spark plugs which comprises a frame, a high pressure chamber in said frame having one side open for receiving the operative end of the plug to apply pressure thereto, means to seal said plug where it enters said chamber, a hollow dielectric cylinder movable along the plug axis, a hollow dielectric sleeve carried by said dielectric cylinder, said sleeve being coaxial with but slightly smaller in diameter than the inside of the shielding well of the plug and of much greater length than the depth of the shielding well. One end of said sleeve is anchored in said dielectric cylinder for movement therewith, an electrode slidable within and extending beyond the ends of said sleeve, a head on said electrode at the anchored end of said sleeve, a spring having one end acting against said head urging said electrode to extend beyond the free end of said sleeve, a high tension cable having a washer like end in electrical communication with the other end of said spring, a mirror carried in said dielectric cylinder, the mirror having a central opening through which said sleeve passes, and the plane of said mirror being at an angle with the axis of the cylinder so as to reflect rays emanating from the shielding well back at an angle with the cylinder axis, and means to move said dielectric cylinder axially with respect to the plug.

606 O. G.—39

2,434,970

BREECH OPERATING MECHANISM

William Summerbell, Washington, D. C.
Application June 1, 1944, Serial No. 538,313
4 Claims. (Cl. 89-4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

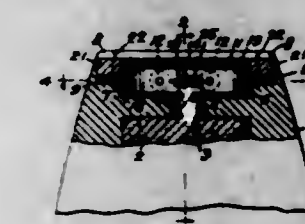


1. In a breech mechanism for a gun having a gun breech body, a recoil-opened breech closure, a transverse closure operating rock shaft on said body operatively connected with said closure, a crank on said rock shaft, a closure spring means operatively connected to said crank, said spring means being adapted to be tensioned by said shaft upon rotation thereof in one direction to open said closure and being adapted to rotate said shaft in the reverse direction to close said closure, said crank having a shoulder projected axially of said shaft, a pintle on the end of said shaft adjacent said shoulder, an operating lever revolvably mounted on said pintle, means on said gun breech body for holding releasably said lever at an initial inoperative position, a lug on said lever extending into the path of said shoulder whereby said shaft can rotate in either of said directions independently of said operating lever when the same is held at said initial inoperative position and whereby said lug abuts said shoulder upon rotation of said operating lever from said initial position to rotate said shaft in a direction to open the closure.

2,434,971

FUSE

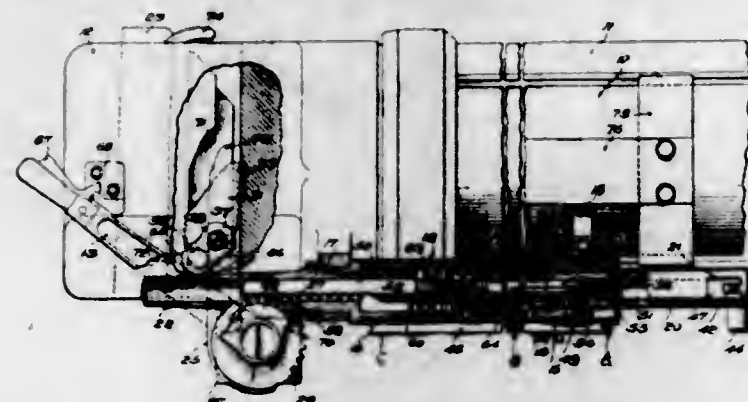
Wilfred E. Thibodeau, Cleveland, Ohio
Application March 30, 1942, Serial No. 436,817
19 Claims. (Cl. 102-79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fuse comprising a bar of rectangular section, twists of opposite hand in said bar, a hoop member having diametrically opposed openings slightly larger than the section of said bar and receiving the same, and a firing component on said bar and extending transversely thereto.

2,434,972 **RECOIL OPERATED DEVICE FOR OPENING AND CLOSING A BREECHBLOCK MECHANISM**

Fred A. Vick, Greenbelt, Md., assignor to the United States of America, as represented by the Secretary of War
 Application January 31, 1946, Serial No. 644,647
 13 Claims. (Cl. 89-24)
 (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



13. A mechanism for transmitting forces of a relatively high initial order of acceleration from a prime mover to a receiver movable between at least two limit positions at a final reduced value of acceleration comprising, a housing, a member mounted for movement relative to said housing and adapted to receive energy from the prime mover, an element mounted for movement relative to said housing and to said member and adapted to transmit energy to the receiver, first resilient means interposed between said element and said member, second resilient means interposed between said member and said housing, and a lost-motion device interconnecting said member and said element and constructed and arranged whereby said first resilient means is operative, upon energizing the prime mover, to buff the application of force transmitted by said member to move the receiver into its said one position, and said second resilient means is operative to move the receiver to the other of its said limit positions.

2,434,973 **ERASER WITH MAGNETIC SUPPORTING MEANS**

Ralph M. Williams, Wellington, Kans.
 Application October 1, 1945, Serial No. 619,630
 7 Claims. (Cl. 120-36)



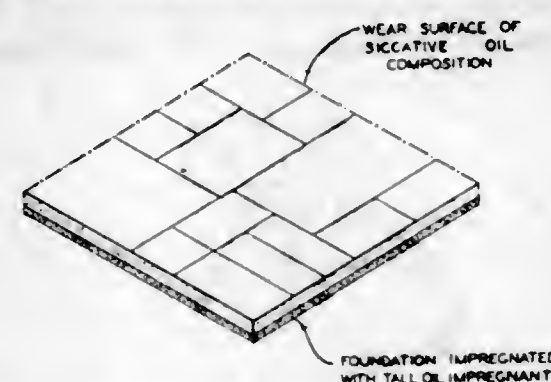
7. In an eraser, a permanent magnet for engagement with a metal member, and a body of erasing material mounted about the magnet.

2,434,974 **FLOOR AND WALL COVERING**

Herbert R. Woerner, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
 Application March 22, 1944, Serial No. 527,643
 16 Claims. (Cl. 154-49)

1. As a new article of manufacture, a floor or wall covering comprising a wearing surface of siccative oil composition and a water-resistant,

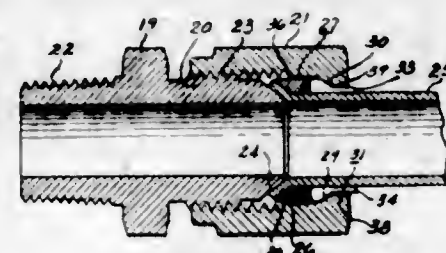
flexible, fibrous foundation containing as its essential non-staining impregnating ingredients



the dried residue of a mixture of tall oil, a plasticizer for the tall oil, and a solvent.

2,434,975 **TUBE COUPLING SLEEVE**

George V. Woodling, Cleveland, Ohio
 Application July 10, 1945, Serial No. 604,268
 1 Claim. (Cl. 285-86)



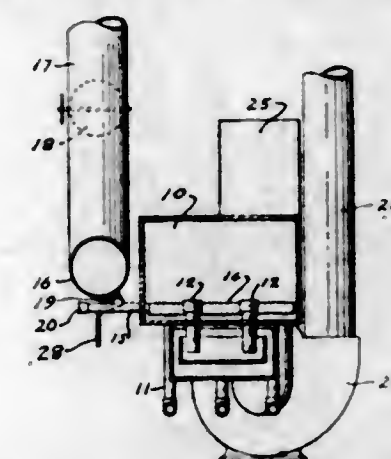
In a coupling device for a tube having a flared end portion, first and second coupling members adapted to be connected together, said first coupling member having a tapered seat against which the flared end portion of the tube is adapted to be clamped, said second coupling member having an annular inner surface terminating in an internal clamping shoulder, a clamping sleeve surrounding the tube and mounted in the second coupling member, said sleeve comprising at one end thereof an annular body portion adapted to engage the flared end portion of the tube and at the other end thereof a plurality of rearwardly extending fingers contractible about said tube, said sleeve having intermediate its ends a cam shoulder adapted to be engaged by the internal clamping shoulder of the second coupling member, said sleeve being composed of heat treated and tempered steel of sufficient tensile strength and uniform hardness throughout its mass to render it practically non-distortable and fitting within said second coupling member with sufficient clearance to permit the ready disengagement of the sleeve and the said coupling member after the coupling members and the sleeve have been once firmly assembled, said fingers having sufficient resiliency to spring back and free the tube when the second coupling member is disengaged from the first coupling member.

2,434,976 **APPARATUS FOR EFFECTING HEAT EXCHANGE BETWEEN A GAS AND A LIQUID**

Teynham Woodward, Del Monte, Arthur W. Vettel, Watsonville, and Henry F. Scandrett, Oakland, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation, a corporation of Delaware
 Application October 2, 1944, Serial No. 556,756
 5 Claims. (Cl. 261-121)

1. In an apparatus of the character described, a tank, means for delivering a liquid into the central bottom portion thereof and into the bottom portions adjacent the ends of the tank, overflow stand pipes midway between the pairs of the

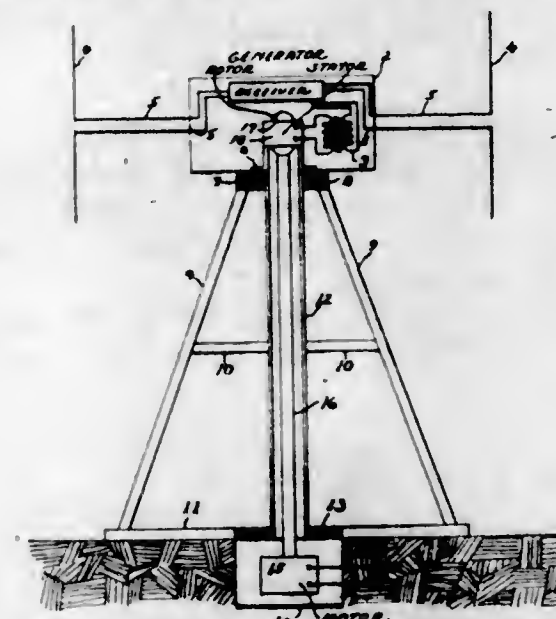
said central and end inlet means to maintain a shallow, uniformly distributed flow of liquid over the bottom of the tank, channel gas dispersers having serrated lower edges and disposed adjacent the bottom of the tank to admit gas into the body of the liquid, at least one end of each of said gas dispersers terminating outside of said



tank and being sealed off by a removable cap, means disposed on the bottom of the tank between said gas dispersers to prevent wave formation in the flowing liquid, and means for maintaining a reduced pressure over the surface of the liquid in the tank to induce the gas to flow through the liquid.

2,434,977 **RADIO DIRECTION FINDER**

Robert H. Worrall, Washington, D. C.
 Application August 31, 1937, Serial No. 161,722
 6 Claims. (Cl. 343-115)
 (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a radio direction finder, a wave sensitive receiver, a housing for said receiver, a generator to supply power to said receiver located within said housing and having its stator secured thereto, collecting means connected to said receiver and mounted integrally with said housing, supporting means for sustaining said housing and parts connected therewith at a height above the ground upon which said supporting means rests, bearing means associated with said supporting means and said housing to permit free rotation of said housing and parts connected therewith about an axis passing through the rotor of said generator, a non-metallic tube secured to said housing and extending downward to the ground, generator-driving means located below the surface of the ground, a grounded metal box enclosing said driving means, and an insulated drive shaft connecting said driving means with the rotor of said generator, said drive shaft extending through said non-metallic tube and through apertures in said box and said housing.

2,434,978 **ANTICORROSION ADDITIVES FOR SYNTHETIC LUBRICANTS**

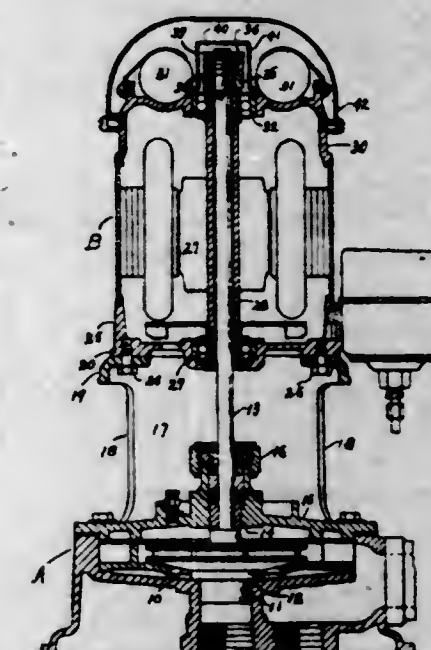
William A. Zisman, Washington, D. C., and Hayward R. Baker, Mt. Rainier, Md., assignors to the United States of America, as represented by the Secretary of the Navy
 No Drawing. Application April 15, 1944, Serial No. 531,240
 7 Claims. (Cl. 352-32)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A synthetic hydraulic and lubricating fluid composition which comprises essentially a polyalkylene oxide fluid having dissolved therein a corrosion inhibitor, which inhibitor comprises at least one compound selected from the group consisting of aliphatic acids, alkaryl derivatives of aliphatic acids, and metal soaps of said acids, wherein the aliphatic acid is one having from about 6 to 18 carbon atoms in the aliphatic chain.

2,434,979 **MOTOR DRIVE FOR CENTRIFUGAL PUMPS**

Charles J. Bergh, Racine, Wis., assignor to Jacobson Manufacturing Company, Racine, Wis., a company of Wisconsin
 Application May 21, 1945, Serial No. 595,032
 1 Claim. (Cl. 103-87)

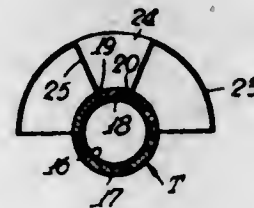


A centrifugal pump and an electric motor for driving the same comprising, a pump housing, an adapter for supporting the motor on the housing, the rotor of said motor being mounted on a hollow shaft, a driven shaft extending freely through said hollow shaft and being longitudinally adjustably secured and keyed to the upper end of said hollow shaft, the lower end of said driven shaft being rotatably mounted in a stuffing box secured to the cover of the housing of said pump and having secured to its lower end the impeller member of the pump, the lower end of said impeller having an inlet, the outer surface of which is rotatably mounted in the inlet of the pump and having a flange adapted to be adjusted slightly out of contact with a corresponding seat in the housing, whereby the weight of the impeller will be carried by the driven shaft and the lower end of the impeller will be held concentrically with the driven shaft and whereby the flange on the impeller may be caused to rest on a seat for establishing the position for the impeller and then the adjustment of the driven shaft used to determine the distance between the flange of the impeller and its seat to thereby provide a very small flow of liquid between the flange and bearing of the impeller and to the inlet of the pump.

2,434,980

COMBINATION ILLUMINATING AND STERILIZING LAMP

Maxwell M. Bilofsky, Newark, N. J.
Application August 20, 1943, Serial No. 499,396
1 Claim. (Cl. 240—51.11)



A combined lighting and sterilizing fixture comprising a terminal and carrier structure for a vapor electric lamp, a vapor electric lamp carried therein and having disks at the opposite ends thereof, electrodes carried thereby, said lamp having a tubular casing, the entire length of which for the major portion of the peripheral area thereof being of glass characterized by substantial imperviousness to the ultra violet rays generated in the lamp and transparency to visible rays, said glass portion extending along substantially that area of the lamp which in the installed fixture is directly exposed to view, the remaining area of the lamp tube, that is, the portion which in the installed fixture is behind said glass portion being of ultra violet glass and being bonded as a unitary portion with the edges of the glass portion, said fixture including a reflector for projecting the light through the first glass portion to the field of vision, said reflector presenting a passageway therethrough concealed from view by the lamp and having radiating walls the length thereof registering with the lateral edges of the ultra violet glass portion for permitting the sterilizing action without injury to the eyes.

2,434,981

ORGANIC POLYHYDROXY COMPOUNDS AND DERIVATIVES

Joseph E. Bludworth and Donald P. Easter, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 19, 1944, Serial No. 554,858
3 Claims. (Cl. 260—488)

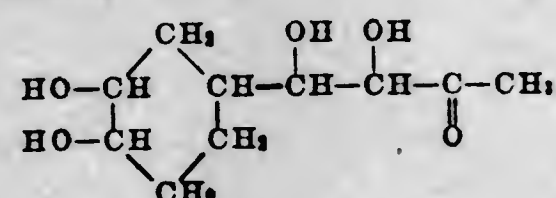
1. 1-(3,4-diacetoxycyclohexyl)-1,2-diacetoxycyclohexyl.

2,434,982

ORGANIC POLYHYDROXY COMPOUND

Joseph E. Bludworth, Corpus Christi, Tex., and Donald P. Easter, Washington, D. C., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Original application September 19, 1944, Serial No. 554,858. Divided and this application April 25, 1946, Serial No. 664,979
5 Claims. (Cl. 260—586)

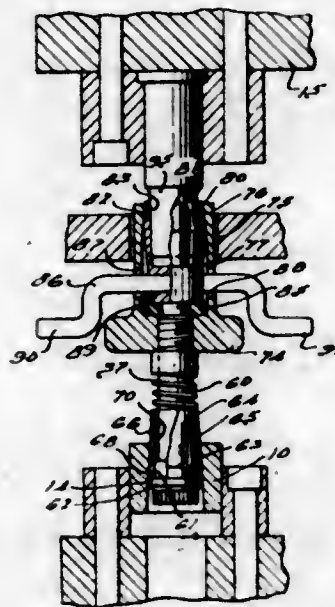
1. As a new compound, 1-(3,4-dihydroxycyclohexyl)-1,2-dihydroxybutanone having the following formula



2,434,983

DIE REMOVING DEVICE

Albert Bolduc, Detroit, Mich.
Application September 26, 1945, Serial No. 618,698
10 Claims. (Cl. 164—124)

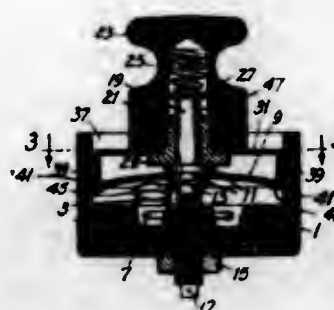


1. A device for pulling a die element or the like out of a holder wherein the element has a die opening, which comprises a shank insertable into the opening, a head on the insertable end of the shank, a sleeve element slidable on the shank towards and from said head and having axial slots leading from an intermediate point in the sleeve to the end thereof next to the head so as to provide resilient fingers, a coil spring on the shank abutting at one end the opposite end of the sleeve, and abutment means on the shank engaging the opposite end of the spring.

2,434,984

THERMOSTATIC CONTROL

John D. Bolesky, Attleboro, and Lewis W. Buell, Rehoboth, Mass., assignors to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application June 17, 1943, Serial No. 491,166
14 Claims. (Cl. 200—138)

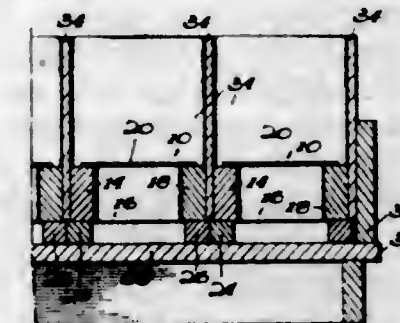


1. A manually-operable thermostatic switch comprising a cup-shaped base, line terminals in the base of the cup, a normally fixed post adjustably threaded into said base, means for locking said post in a fixed position, a snap-acting thermostatic disc loosely affixed to said post during at least part of its operation and located in the cup, means for organizing contacts to become movable by said thermostatic disc whereby snap action of the disc moves the contacts to and from circuit-closing position with respect to said line terminals, a slider having axial motion on the post, and means connecting said slider and the thermostatic disc, whereby axial movement may be applied to at least a portion of the disc adjacent to the periphery to move said contacts to and from the line terminals.

2,434,985

DISPLAY BIN CONSTRUCTION

Harry B. Bourland, Evansville, Ind., assignor to Red Spot Paint & Varnish Company, Inc., Evansville, Ind., a corporation of Indiana
Application September 5, 1944, Serial No. 552,800
6 Claims. (Cl. 312—140.3)

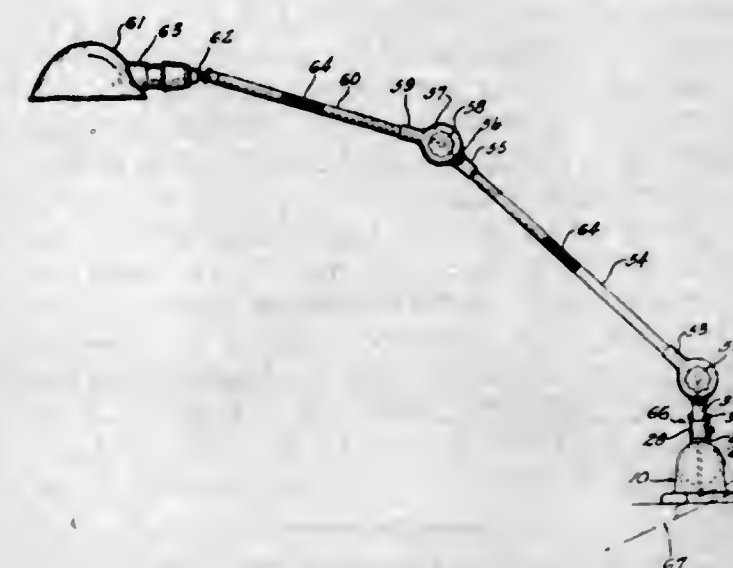


1. A composite display bin assembly comprising a main supporting member, a plurality of component rectangular bin block units each having a reticulated stock supporting surface and arranged in juxtaposition upon said member, means secured to each unit for supporting the same in elevated position, said means forming a tunnel under the reticulations of aligned units, and a frame including opposite side walls encompassing the assembled units, said frame including spaced aligned openings at the bases of said side walls so dimensioned and positioned as to align, respectively, with said tunnels.

2,434,986

ADJUSTABLE LAMP

Harry E. Bremer, Milwaukee, Wis.
Application June 11, 1945, Serial No. 598,786
8 Claims. (Cl. 248—122)



1. In an adjustable lamp, a base having an internal chamber and having an elongated slot in one of its walls communicating with said chamber, a member rotatable on a horizontal axis in said chamber of the base and having a relatively short extension projecting through and movable in said slot upon rotation of said rotatable member, elongated lamp supporting means, means forming a swivel joint close to said base connecting said elongated lamp supporting means to said extension, said swivel joint having a cylindrical pivot member to provide for rotation along a single axis only, and means for locking the rotatable member in a selected position of rotation to maintain the axis of said swivel joint in a desired position in said slot with respect to the plane of the base so that undesired swiveling will not be caused by gravity acting on the relatively long lamp supporting means.

2,434,987

CHOCOLATE COATED EDIBLES

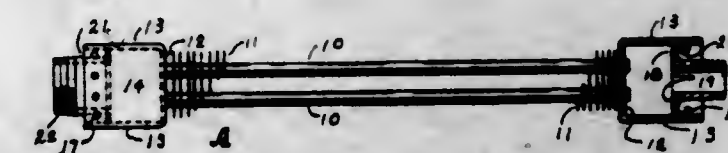
Henry Russell Burbank, New York, and Benjamin J. Zenlea, Ozone Park, Long Island, N. Y., assignors to Rockwood & Co., Brooklyn, N. Y., a corporation of Delaware
No Drawing. Application July 20, 1945, Serial No. 606,268
5 Claims. (Cl. 99—138)

1. The method of making chocolate coated edibles which comprises applying to the center of the edible a coating of melted chocolate coating material containing a predetermined proportion of cocoa butter, and thereafter incorporating in said coating in distributed absorbed relation therein an edible solid material selected from the group consisting of cocoa, sugar, milk solids, and mixtures thereof, and which is proportionately lower in cocoa butter content than said first mentioned coating material whereby the proportion of cocoa butter in the composite coating is less than the proportion of cocoa butter in said first mentioned coating.

2,434,988

HEAT EXCHANGE CORE AND AIR DUCT

Donald W. Christensen, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application September 25, 1943, Serial No. 503,848
3 Claims. (Cl. 257—137)



1. A heat exchanger of the class described, comprising spaced headers, a number of tubes forming operating tube connections between said headers and having a multiplicity of closely spaced fins through which the tubes extend, said headers being substantially rectangular in cross-shape and comprising troughs through the bottoms of which said tubes extend and are bonded thereto, plates positioned in said troughs intermediate the bottoms and tops thereof and being bonded to the four inner walls of the trough and being positioned to thereby form a header closure and a supplemental trough, and inlet and outlet connections secured to said plates.

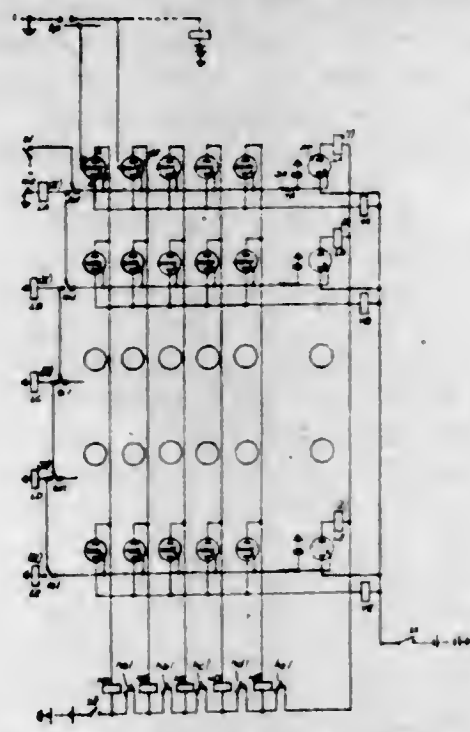
2,434,989

HIGH-SPEED SEARCHER USING GAS DISCHARGE TUBES

David Adam Christian, Batley, England, assignor to Siemens Brothers & Co. Limited, London, England, a British company
Application August 3, 1944, Serial No. 547,875
In Great Britain August 13, 1943
12 Claims. (Cl. 179—18)

1. In a telephone system, a group of outlets, a group of cold cathode gas discharge tubes one for each outlet, a pair of main electrodes in each of said tubes, a relay common to said tubes and connected to one of the main electrodes of each tube, a relay individual to each of said tubes and connected to the other main electrodes thereof, control electrodes in said tubes connected to said outlets, and means including said control electrodes for testing said outlets and for causing the

simultaneous discharge of any tubes in said group associated with free outlets, said common relay

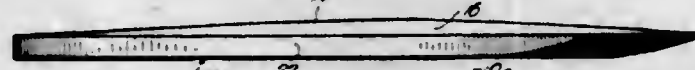


and one of said individual relays being operated thereby to select one of said free outlets.

2,434,990

SHOE HALF SOLE OR TAP

Frank Cleve, Jr., Kansas City, Mo.
Application December 18, 1945, Serial No. 635,676
4 Claims. (Cl. 36—25)

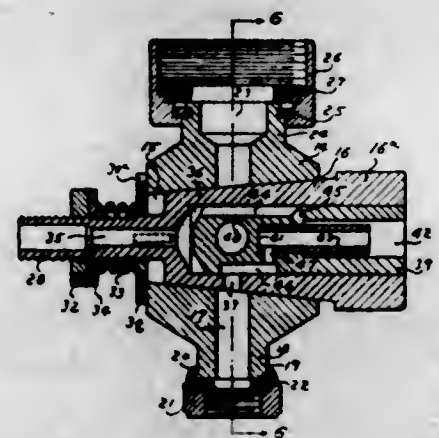


1. A shoe half sole comprising a generally flat body including a flat normally outer face and an inner face having a flat area at one longitudinal edge of the body, the remaining portion of the inner face being inclined downwardly and outwardly from the said area to the opposite longitudinal edge of the body and to each end of said body respectively.

2,434,991

LIQUID INFLATING DEVICE FOR TIRES

John C. Crowley, Willoughby, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 30, 1945, Serial No. 585,776
4 Claims. (Cl. 230—95)



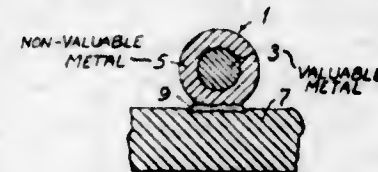
1. In a device of the type specified, a body having a passage and a bore extending there-through in intersecting relationship, means adjacent one end of said passage and adapted to connect said passage to a liquid supply source, means adjacent the other end of said passage and adapted to connect said passage to the valve stem of a tire, a valve member mounted in said bore and provided with an opening therethrough intermediate its ends, said member having a passage therethrough independent of said open-

ing and communicating with atmosphere at one end, means operatively associated with said member adapted to connect said member passage adjacent its other end to a source of pressure fluid, said member being movable to one operative position wherein said member opening is in alignment with said body passage and to another operative position wherein said member interrupts said body passage, and second passage means in said member and communicating with said first member passage intermediate the ends thereof and when said member is in said last named operative position also communicating with said body passage adjacent said other end thereof.

2,434,992

ELECTRICAL CONTACT

George Durst, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application September 27, 1943, Serial No. 504,079, now Patent No. 2,433,687, dated December 30, 1947. Divided and this application May 13, 1946, Serial No. 669,284
1 Claim. (Cl. 200—166)

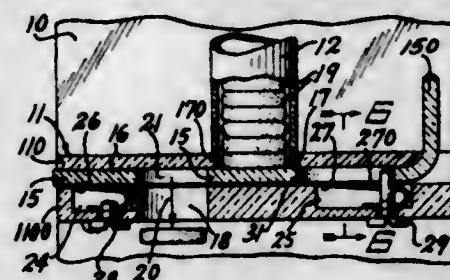


An electrical contact comprising a length of a fine wire of valuable, electrically conductive metal, said wire, in order to conserve said valuable metal, being of such small cross-section that it would be difficult to handle unless encased in a sheath, an electrically conductive base carrying said wire, the wire being mounted on said base in electrically conductive relation with respect thereto by means of an intermediate wire-supporting member of a non-valuable electrically conductive metal with the length of wire extending substantially parallel to and spaced outward from the base, characterized in that said electrical contact is formed by welding the sidewise periphery of a sheath for the wire of a non-valuable electrically conductive metal to the base, and etching away all of the sheath except a portion intermediate the base and wire, said portion constituting said intermediate wire-supporting member, said base being formed of a metal which is resistant to etching by at least one etching agent which will etch the non-valuable metal of said sheath so that the base is not substantially etched away during the etching of said sheath.

2,434,993

TABLET DISPENSER

Harold V. Dwyer, Detroit, Mich.
Application May 1, 1947, Serial No. 745,219
2 Claims. (Cl. 312—47)



1. A dispenser for tablets comprising a back adapted to be removably secured to a wall, a shelf extending forwardly from said back having a slot transversely therethrough, a tubular tablet reservoir mounted on the said shelf and fixed in hermetically sealed vertical relationship thereto, the said shelf having an aperture through the upper

portion thereof communicating between the said tablet reservoir and the said slot and an aperture serving as a tablet chute through the lower portion thereof spaced along the said slot with respect to the said aperture through the upper portion of the said shelf, and a slide in the said slot having an aperture therethrough adapted to be reciprocated from a "dispensed" position to a "retracted" position and back to the "dispensed" position in the said slot whereby to receive a tablet from the said tablet reservoir and transport the same to the said chute, a pair of springs fixed in the lower portion of the said shelf adapted to urge the said slide against the upper portion of the said shelf whereby to hermetically seal the said aperture communicating between the said tablet reservoir and the said slot when the said slide is in a "dispensed" position, and means for limiting the movement of the said slide between its "dispensed" position and its "retracted" position.

2,434,994

HIGH-VOLTAGE CIRCUIT INTERRUPTER

Ralph H. Earle, Wauwatosa, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application March 8, 1944, Serial No. 525,484
17 Claims. (Cl. 200—120)



1. A circuit interrupter comprising a body portion having an elongated auxiliary arc channel and a relatively short main arc channel extending transversely of said auxiliary arc channel, said body portion having venting means located on one side of said main arc channel, gas liberating means within said auxiliary arc channel located on the other side of said main arc channel adapted to liberate gas when acted upon by an arc, means adapted to interrupt a circuit and establish a main arc in said main arc channel, and means in said auxiliary arc channel for establishing an auxiliary arc in proximity to said gas liberating means in series with said main arc and for elongating said auxiliary arc.

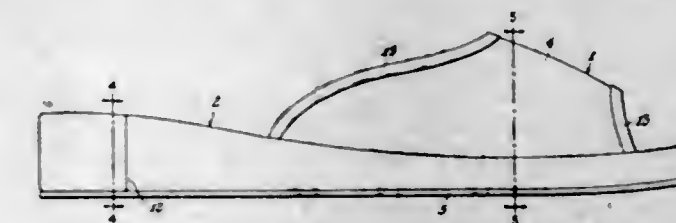
2,434,995

PLATFORM TYPE SHOE

Domenico Garofalo, Brooklyn, N. Y.
Application September 13, 1946, Serial No. 696,755
3 Claims. (Cl. 36—19.5)

1. A shoe having a vamp, an integral cover for a platform sole including an insole portion and an edge portion extending down over the edge of a platform sole, a platform sole, said cover

having slits at each side of its insole portion, the lower edges of the vamp passing through said slits and stitched to the edges of said slits, the

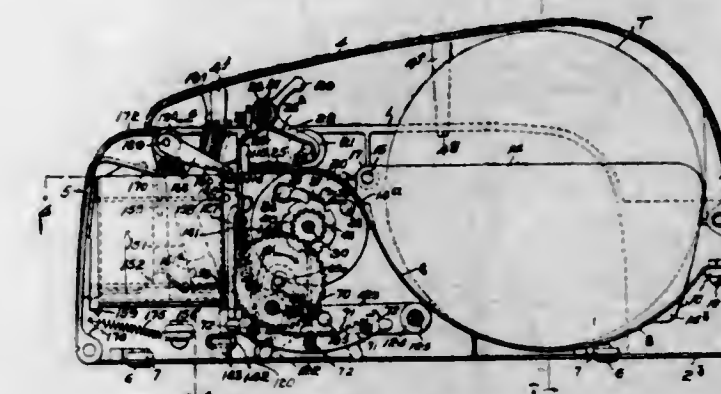


edges of the cover being folded around the sides of the platform sole, and an outer sole affixed to said platform sole and the lower edges of said cover.

2,434,996

ADHESIVE STRIP SERVER

Trevor R. Gautier and Robert W. Hoitt, Nashua, N. H., assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Original application January 9, 1943, Serial No. 471,890. Divided and this application March 15, 1944, Serial No. 526,582
14 Claims. (Cl. 91—14.5)



1. In a tape dispenser, a housing including means to support a tape supply, shear means in the housing together with feed and guide means to advance tape from the supply past the shear means, a moisture applicator spaced forwardly of the shear means, a tank for supplying moistening liquid to the applicator, tape guiding means between the shear means and the applicator, and a door-like front member pivotally associated with the housing and having at its upper portion a trough-like element extending back over a front section of the tank and substantially to the applicator so as to underlie the moistened tape lengths projected beyond the latter.

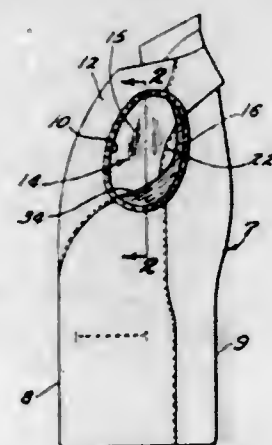
2,434,997

COAT CONSTRUCTION

Jerome Giuseffi, Cincinnati, Ohio, assignor to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine
Application October 8, 1945, Serial No. 621,125
1 Claim. (Cl. 2—93)

A garment having an oval-shaped armhole, a garment sleeve provided with a continuous inner edge attached to the armhole, an arcuate crease line for the sleeve disposed adjacent to and spaced inwardly from the armhole, said arcuate crease line extending around the back of the sleeve and between a point midway of the upper part of the armhole and a point in the lower front part thereof, and a crescent shaped fold in the sleeve extending outwardly from the crease line to the armhole, said fold permitting unhampered sleeve movement in forwardly extended and overhead arm positions and providing the greatest width of

fold material at the rear lower portion of the sleeve to permit maximum freedom of arm move-

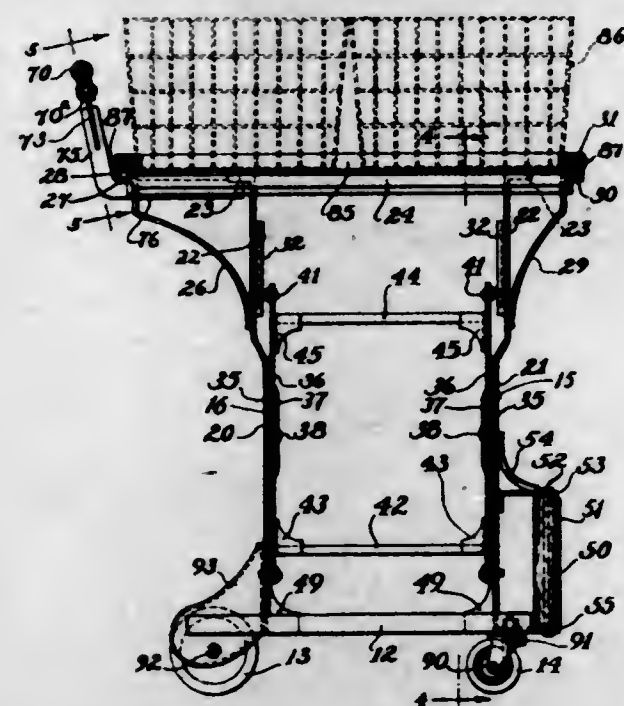


ment for the sleeve in raised, forwardly extended positions.

2,434,998

FOLDING BASKET CARRIER

Sylvan N. Goldman, Oklahoma City, Okla.
Application November 8, 1946, Serial No. 708,148
8 Claims. (Cl. 280-42)



1. A foldable wheeled carrier comprising a pair of spaced side frames, lazy tongs connecting the side frames together so that said frames may be moved toward or away from each other in parallel relation, a basket supporting grid removably mounted on the tops of the frames, cooperating means on the grid and frames for aiding in retaining the frames in spaced relation, a hollow handle bar, a bracket secured to each frame and extending upwardly therefrom, means pivotally connecting one end of the hollow bar on one end of one bracket and means slidably connecting the other end of the hollow bar with the other bracket.

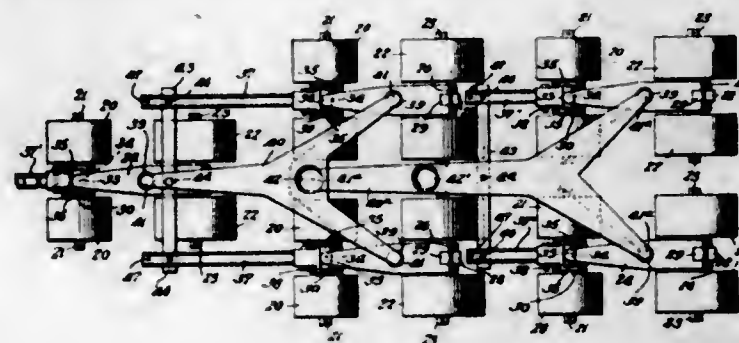
2,434,999

HOUSE-MOVING TRUCK

Samuel P. Griffin, Indianapolis, Ind.; Richard A. Griffin, administrator of said Samuel P. Griffin, deceased
Application July 19, 1945, Serial No. 605,923
6 Claims. (Cl. 280-81)

1. A house moving apparatus comprising a front truck, two rear trucks disposed side by side, two trucks intermediate the front and rear trucks and also disposed side by side, the rear trucks being adapted to trail the intermediate trucks, each truck having front and rear wheels and a longitudinal beam connecting them, a load sustaining member having a front terminal and two

laterally spaced rear terminals, the terminals of said load sustaining member and the three beams of the front and intermediate trucks having contacting portions fitting together for turning in oscillatory motions and providing a three-point bearing for said load sustaining member, a second load sustaining member having a front ter-



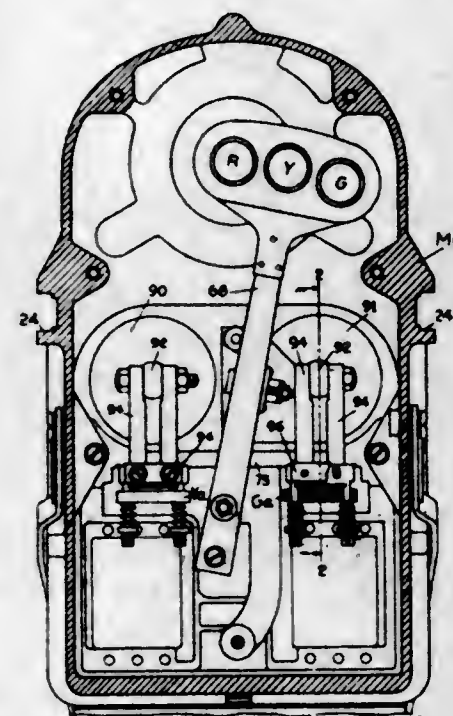
minal and two laterally spaced rear terminals, the first load sustaining member having a bearing inwardly of its rear terminals, the front terminal of said second load sustaining member being received in the bearing of the first load sustaining member, and bearing connections between the beams of the rear trucks and the rear terminals of the second load sustaining member.

2,435,000

RELAY BEARING STRUCTURE

Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Original application October 14, 1940, Serial No. 361,060. Divided and this application August 7, 1944, Serial No. 548,354
9 Claims. (Cl. 175-345)



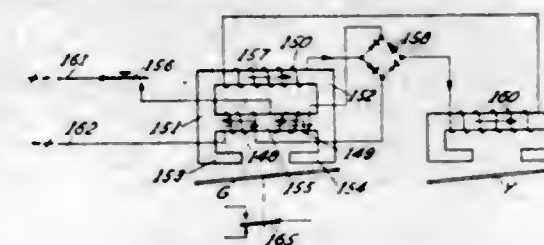
1. In an electromagnetic relay structure, an armature, a pivot means for the armature, including, an open transverse groove in the upper face of the armature, a needle-like bearing resting loosely in the groove and projecting above the surface of the armature, a hole extending through the armature at each end of the groove, a U-shaped holder having its legs extending downward through the holes, an upper bearing plate slidable on the legs and positioned between the needle bearing and the head of the U, a spring stop at the free end of each leg, a compression spring on each leg between the stop and the lower face of the armature, armature operating means, and means adjustably mounting the U-shaped holder on the operating means.

2,435,001

POLARIZED ELECTROMAGNETIC RELAY

Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Original application October 14, 1940, Serial No. 361,060, now Patent No. 2,376,534, dated May 22, 1945. Divided and this application April 17, 1945, Serial No. 588,749
3 Claims. (Cl. 175-335)



1. An electro-responsive device comprising, a soft iron core having a closed magnetic circuit divided into two magnetic core portions in series, a pole piece projecting from each of the two junctions of said magnetic core portions, a winding on each of said magnetic core portions, a full-wave rectifier deriving its energy from the circuit of one of said windings and applying its out-put energy to the other of said windings, whereby if said one winding is energized by direct current of either polarity the said other winding is always energized by current of one polarity, and an armature arranged to be in bridging relationship with respect to said pole pieces, whereby if said one winding is energized by direct current of one polarity said armature is attracted and if energized by current of the reverse polarity said armature remains retracted.

2,435,002

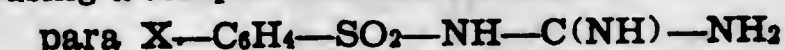
PROCESS FOR THE MANUFACTURE OF PARA-AMINOBENZENE-SULPHONAMIDOPYRIMIDINES

Max Hartmann, Riehen, and Harald von Meyenburg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application November 6, 1942, Serial No. 464,802. In Switzerland January 30, 1942

12 Claims. (Cl. 260-239.6)

1. Process for the manufacture of a sulphonamido derivative of pyrimidine which comprises causing a compound of the formula



wherein X represents a radical selected from the group consisting of free amino, radicals which are convertible to free amino by hydrolysis, and radicals which are convertible to free amino by reduction, to interact with a β -dicarbonyl compound which contains a grouping



which is capable of enolizing and in which R represents a member of the group consisting of hydrogen and hydrocarbon radicals, whereby to effect condensation of the two compounds with formation of a diazine ring.

2,435,003

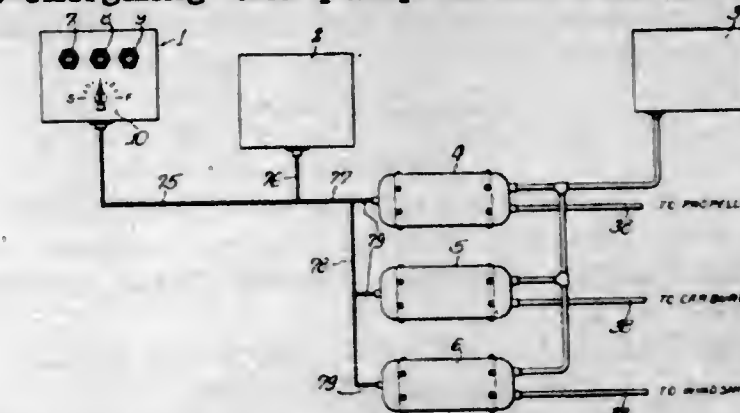
SYSTEM OF DEICING FOR AIRCRAFT, VESSELS, ETC.

Walter C. Hasselhorn, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois

Application December 6, 1943, Serial No. 512,999
18 Claims. (Cl. 244-134)

1. A de-icing system for aircraft, vessels, or the like, comprising a plurality of pumps adapted to

be intermittently operated, mechanism for operating said pumps, said mechanism comprising an electrically operated actuator having means for de-energizing one pump before energizing the

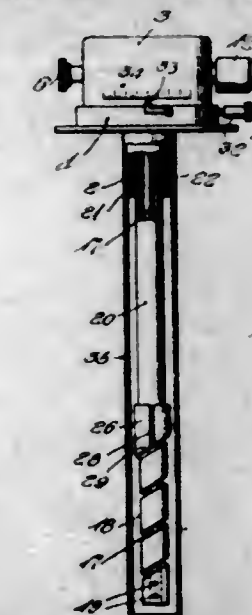


next pump, an electric timing circuit for said actuator, said circuit including means for controlling the period of current impulses for said actuator and means for controlling the period between said current impulses.

2,435,004

THERMOSTATIC SWITCH

Sidney Healey, Washington, D. C., assignor, by mesne assignments, to American Instrument Co., Inc., a corporation of Maryland
Application May 5, 1944, Serial No. 534,329
4 Claims. (Cl. 200-138)



1. A thermoregulator comprising in combination with a frame structure a contact system mounted within said frame structure, a rod-like actuator extending through said frame structure for controlling said contact system, a tubular member of thermal insulation material carried by said frame structure and surrounding said rod-like actuator, a thermosensitive element having helically arranged convolutions, said convolutions being connected at one end to said rod-like actuator and a pair of instruct projections carried by the other end of said thermosensitive element and extending into a pair of coacting aligned recesses in said tubular member and a sleeve-like member longitudinally slidable over said thermosensitive element and said tubular member for pressing said instruct projections into interlocking engagement with the coacting recesses in said tubular member.

2,435,005

SKIN PROTECTIVE OINTMENT

Walter F. Huppke, New York, and Axel L. Sodergreen, Great Neck, N. Y., assignors to West Disinfecting Company, Long Island City, N. Y., a corporation of New York

No Drawing. Application June 6, 1944, Serial No. 539,012

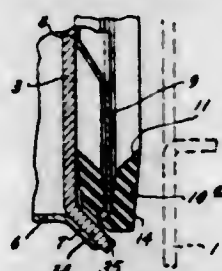
5 Claims. (Cl. 167-90)

1. A protective cream consisting of an alcohol of an inorganic gelatinous hydrous oxide having

adsorbed thereon an organic skin protective compound substantially insoluble in water but soluble in alcohol, and including also a film-forming composition and a volatile solvent for the latter, said composition being of character to form a flexible porous film upon evaporation of the solvent.

2,435,006

DOOR FOR PRESSURE COMPARTMENTS
Richard E. Jeffery, Malden, Mass., assignor to Market Forge Company, Everett, Mass., a corporation of Massachusetts
Application March 18, 1947, Serial No. 735,283
8 Claims. (Cl. 126—20)



6. In combination, a pressure compartment having marginal portions defining an opening, a door for sealing said opening, comprising a closure member having a marginal portion similar to but larger than said opening, gasket supporting means similar to but larger than said opening mounted on the inner surface of said closure member in face contact therewith and having a peripheral portion offset relative thereto, a resilient frame-like gasket having an inner peripheral portion formed with a continuous groove defined by an inner and outer wall inclined toward each other and fitting about said supporting means with the offset peripheral portion extending into the groove, the faces of said gasket being interposed between the marginal portions of the closure member and opening, and a gasket-retaining member comprising a flange integral with the marginal portions of the closure member and inclined inwardly toward the marginal portions of the opening, the inner face of the flange abutting the outer periphery of the gasket when the closure member is in closed position, the portion of the gasket which is lowermost when said door is open having at least one passage affording communication between the bottom of the groove and the outer periphery of the gasket which abuts the flange, the parts being so constructed and arranged that when pressure is admitted to the compartment it exerts a force against the inner inclined wall of the gasket to wedge the gasket downwardly against the marginal portions of the opening and outwardly against the flange to seal the opening and passage, and when the door is opened and pressure upon the gasket is released, any condensate collected between the inner inclined wall and supporting means will drain by force of gravity to the bottom of the groove, through the passage and thence out of the door between the gasket and flange.

2,435,007

TUBULAR ELASTIC BRACE
Frederick D. Johnson, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application July 27, 1945, Serial No. 607,315
3 Claims. (Cl. 2—338)

1. A hollow elastic strap for shoulder engaging portions of braces and analogous devices, comprising a flat strip of elastic fabric folded longitudinally at opposite sides into overlapping rela-

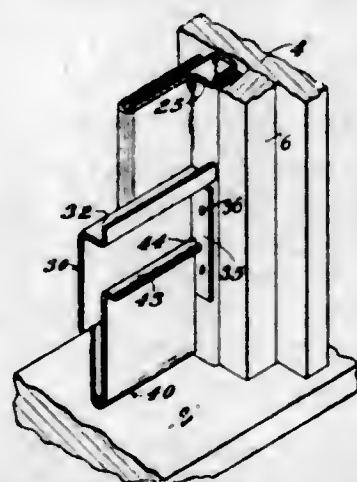
tionship to form a hollow strap of uniform width presenting the front face of the elastic fabric at the front and back of the hollow strap, one of the overlapped portions being folded back on itself and secured to the other portion of the overlap concealing the attached portions within the hollow strap and forming a seam of three thicknesses, said elastic fabric comprising parallel longitudinal elastic threads consisting of



smoothly covered elastic filaments, long spiraling fine fibrous threads alternating in parallelism with the elastic threads, said elastic threads forming prominent ribs at the front face of the fabric, and fine inelastic cross threads interwoven with the elastic threads and holding the same in spaced parallelism without affecting the longitudinal stretching of the elastic threads and maintaining the hollow strap in normal uniform width.

2,435,008

STORM WINDOW VENTILATING AND CLEANOUT OPENING
Harry A. Kaufmann, Detroit, Mich.
Application March 11, 1946, Serial No. 653,558
10 Claims. (Cl. 98—99)

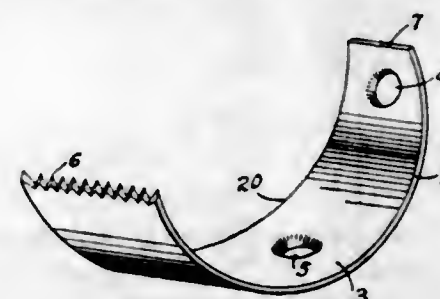


5. In window construction including a panel receiving frame wherein the frame elements have an aperture defining surface and a sealing flange extending toward the center of the window aperture, the improvement in a bottom transverse frame member comprising: a fixed closure member held at each of its ends to the respectively adjacent frame members and comprising an aperture closing sheet in substantially the general plane of the window, a sill sheet substantially perpendicular to the general plane of the window and a sealing flange extending upwardly from the inward end of the sill sheet in substantially the general plane of the window; a

movable closure member of substantially U-shaped cross-section slidably and sealingly engaging the lower part of the aperture closing sheet of said fixed closure member and having an inward edge intumed to provide means for manual grasping of said movable member for manipulation thereof; said aperture closing sheet engaging the aperture defining surface of the side frame elements and lying against said sealing flange; a cut-out portion at each end of said movable closure member by which the inward arm of the U terminates near the end of said sealing flange and the outer arm of the U extends to a point closely adjacent said aperture defining surface.

2,435,009

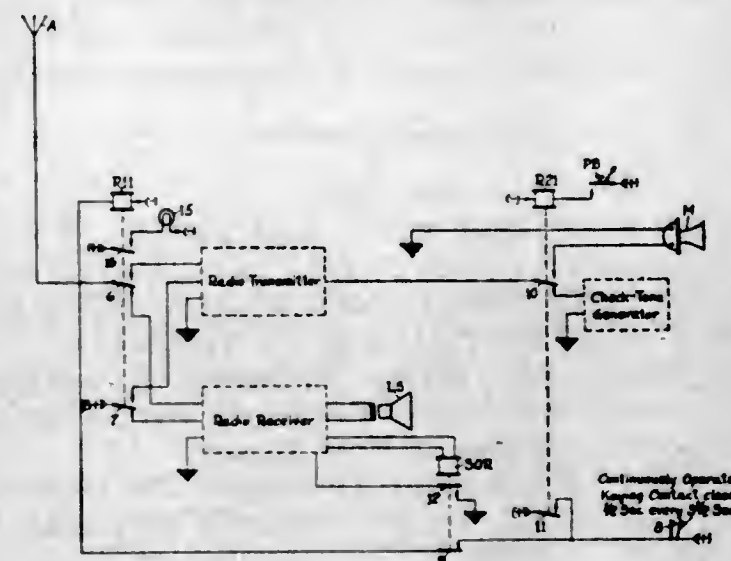
SCRAPER FOR FOUNTAIN BLADES
George J. Kief, Norwood, Ohio
Application February 5, 1946, Serial No. 645,634
5 Claims. (Cl. 15—256.5)



4. As a new article of manufacture, a fountain blade edge cleaning tool comprising a curved elongate body portion arched lengthwise thereof to substantially embrace part of the periphery of a fountain roller, said body portion including a forward cutting edge materially shorter than the length of the roller and arranged transversely of the major axis of the body portion and comprising a line of cutting teeth at least some of which are beveled to conform to the fountain blade edge bevel.

2,435,010

CONTINUOUSLY CHECKED COMMUNICATION SYSTEM
James W. Knapp, Brockport, and John C. O'Brien, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application November 27, 1944, Serial No. 565,206
9 Claims. (Cl. 250—6)

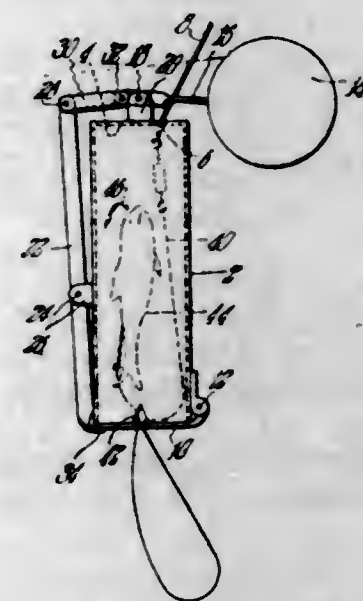


1. In a radio transmitting and receiving system wherein the transmitter intermittently transmits a carrier signal for checking communication with a distant station and wherein a transmitter at the distant station at times transmits a modulated carrier signal to said receiver which includes an audio amplifier for supplying the input to a loud speaker, a triode electronic tube in addition to said audio amplifier, a relay connected

in the plate-cathode circuit of said tube and controlled by the current flow therein to govern the output of said audio amplifier, means for governing the negative bias on the control grid of said tube in accordance with the intensity of a received carrier signal to render said relay effective to mute said loud speaker when the received carrier ceases, and means acting when said relay is controlled by the reception of a carrier signal to allow the operation of said loud speaker and to also render the associated transmitting means ineffective to transmit said intermittent carrier signals.

2,435,011

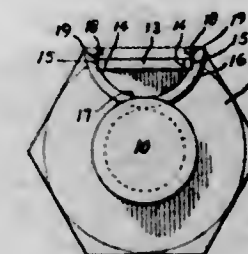
BAIT CASTING DEVICE
Anders Mason, Springfield, Mass.
Application January 31, 1946, Serial No. 644,464
4 Claims. (Cl. 43—41)



1. Bait casting apparatus comprising in combination, a tubular receptacle for bait having an open lower end and a closed upper end provided with an opening for the passage of a line there-through, a closure hinged to said receptacle and swingable between a closed position over the open end of the receptacle and an open position away therefrom, a float hinged to said receptacle for swinging movements, and a linkage operable by said float comprising a latch for releasably holding said closure in closed position.

2,435,012

NUT LOCK
George B. Micuta, Bridgeport, Conn.
Application September 28, 1945, Serial No. 619,151
4 Claims. (Cl. 151—25)



1. A nut lock wherein the nut body proper is provided with an upstanding lug on an end thereof, and a semi-looped locking element possessing certain inherent resiliency whereby to be spread under tension with its end portions in engagement with the ends of the lug projection on the nut body and with reactive effect whereby to urge the locking element with its intermediate portion in engagement with the threaded portion of the element to which said body is applied.

2,435,013

3-THIOETHERS OF ANDROSTENE-3-ONE-17-OLS AND PROCESS OF MAKING SAME
Karl Miescher, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation
No Drawing. Application July 1, 1942, Serial No. 449,343. In Switzerland January 16, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 16, 1961
10 Claims. (Cl. 260—397.5)

7. A 3-thioenol ether of an androstene-3-one-17-ol which contains in the 17-position a member selected from the group consisting of saturated and unsaturated hydrocarbon radicals.

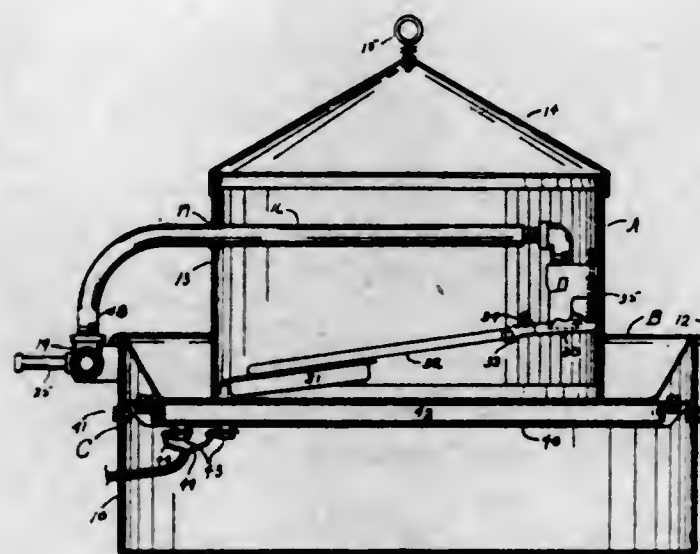
2,435,014

HALOGENATED CONDENSATION PRODUCTS
Joseph B. Niederl, Brooklyn, N. Y.
No Drawing. Application April 19, 1945, Serial No. 589,261
1 Claim. (Cl. 260—619)

The insecticidal and bactericidal products β,β,β -trihalo- α,α -bis (2-hydroxy-3-alkyl-5-*tt*-octyl-phenyl) ethanes.

2,435,015

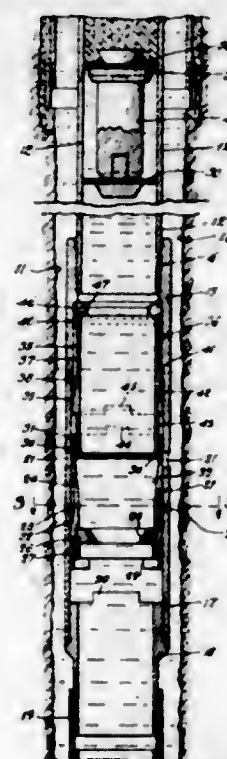
AUTOMATIC POULTRY WATERER
John B. Olson, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis.
Application February 11, 1946, Serial No. 646,938
3 Claims. (Cl. 119—78)



1. In combination, a circular supporting base, a water pan having an outwardly and downwardly turned edge adapted to rest on the top of the supporting base, an enclosure having a peak shaped roof, the bottom of said enclosure being adapted to rest on the bottom of said pan and having a diameter to thereby provide a narrow annular exposed space around the edge of the pan, a tube having on its inner end a float control valve, said tube being extended through and attached to the wall of the enclosure, the outer end of said tube extending downwardly and being hinged to said supporting base near the top thereof, said hinge having a water connection to said tube, and means whereby water pressure is supplied to said tube and valve, the float of said valve being adapted to control the water level in the pan and to shut the water off when the enclosure is moved on its hinge to a vertical position.

2,435,016

MULTIPLE STAGE CEMENTING
Charles A. Pitts, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application June 5, 1944, Serial No. 538,848
3 Claims. (Cl. 166—1)



1. Apparatus for use in the multiple stage cementing of casing in wells comprising an elongated collar adapted to be made up with the casing and having one or more ports therein for the discharge of cement slurry therethrough, a differential valve arrangement mounted in said collar and consisting of two sleeves mounted one above the other for sliding movement within said collar for controlling the flow of fluid through said ports, means for holding, temporarily, each of said sleeves against sliding movement in said collar with one of said sleeves covering said ports, and means operable by the passage of objects successively down through the casing for releasing successively the means holding said sleeves against sliding movement and for causing said sleeves to uncover said ports and subsequently again cover said ports, the upper of said sleeves having a portion of the same outer diameter as the lower of said sleeves, and another portion adapted to telescope snugly within the lower of said sleeves thereby providing areas on said sleeves subjected to different total fluid pressures tending to cause said sleeves to telescope.

2,435,017

PROCESS FOR THE MANUFACTURE OF SATURATED AND UNSATURATED COMPOUNDS OF THE ETIO-CHOLANIC ACID SERIES AND SUBSTITUTION PRODUCTS THEREOF
Tadeus Relchstein, Basel, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J., a corporation of New Jersey
No Drawing. Application December 28, 1945, Serial No. 637,778. In Switzerland November 9, 1937
5 Claims. (Cl. 260—397.1)

1. A process for the manufacture of saturated and unsaturated compounds of the etio-cholanic acid series, which comprises oxidizing a member of the group consisting of the saturated and unsaturated 10,13-dimethyl-cyclopentanopolhydrophenanthrenes containing a side chain in 17-position, a carbon atom of which is directly connected to the 17-carbon of the cyclopentanopolhydrophenanthrene nucleus, and esters thereof,

by the action of an oxidizing agent capable of splitting up single carbon to carbon bonds, to produce an admixture of oxidation products containing (a) acidic oxidation products which are more readily esterifiable than other acidic products of the admixture and whose esters are more easily saponified than the esters of said other products, (b) acidic oxidation products which are less readily esterifiable than said more readily esterifiable products and whose esters are less easily saponified than the esters of the latter, and (c) neutral products, separating all the acidic oxidation products from the neutral products by means of alkaline reagents, subjecting the mixture of the liberated free acids to complete esterification, selectively saponifying the relatively easily saponifiable esters and thereby producing a mixture of acidic constituents and neutral unsaponified ester constituents, separating the said acidic constituents from the neutral unsaponified ester constituents by means of alkaline reagents and isolating neutral esters of the said series by crystallization from these neutral constituents.

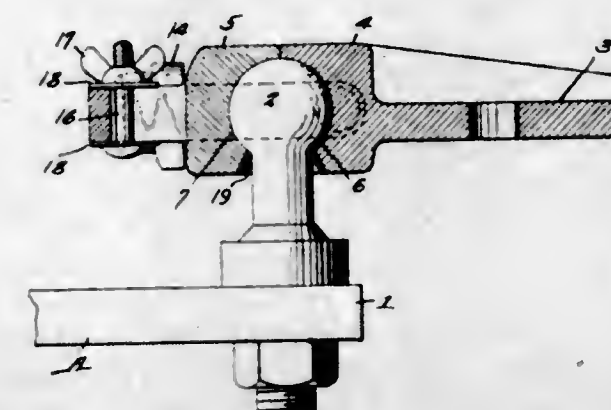
2,435,018

PROCESS FOR THE PRODUCTION OF UNSATURATED ALDEHYDES
Leopold Ruzicka, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application October 23, 1942, Serial No. 463,131. In Switzerland September 13, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 13, 1961
10 Claims. (Cl. 260—397.2)

1. Δ^2 -2-formyl cholestene.

2,435,019

TRAILER HITCH
Jared P. Scott, Bellingham, Wash.
Application April 2, 1947, Serial No. 738,794
4 Claims. (Cl. 280—33.17)

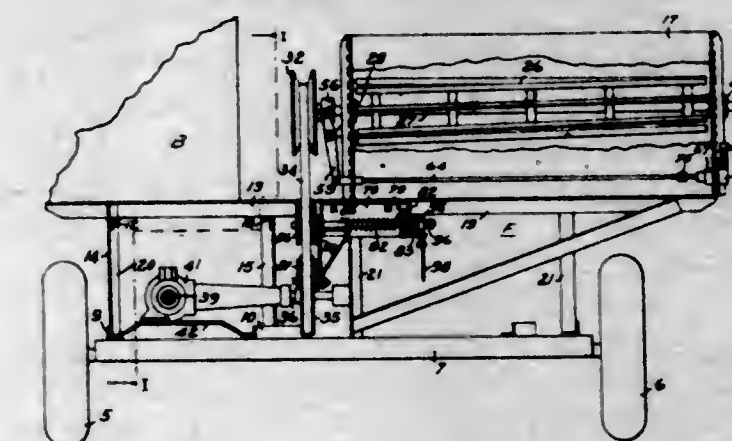


2. A trailer hitch of the character described comprising, a shank, a jaw section integrally formed transverse one end of said shank, a pair of spaced headed bolts secured in extending positions from said jaw section, a second complementary jaw slidably carried by said bolts relative to said first jaw within the limits of said heads, a U-shaped bracket pivoted to said first jaw in a manner adapting it to horizontally enclose said second jaw and heads of said bolts, a pair of inverted U-shaped members extending inwardly from said bracket intermediate the length of its side members, means adapting said extensions to receive said adjacent bolt upwardly thereinto at that section intermediate the head and outer edge of the second jaw when closed, and means for locking said bracket in said locking condition.

2,435,020

THRESHER WITH ADJUSTABLE SPEED CYLINDER DRIVE

Charles J. Scranton, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 8, 1941, Serial No. 392,469
2 Claims. (Cl. 130—27)



1. In a harvester-thresher of the type including a wheeled supporting frame structure having a forwardly extending draft element at the stubbleward side of the machine and supporting a power shaft for driving operating mechanisms of the machine and having a thresher housing mounted on the frame structure at the grainward side of the machine and provided with a rotatable threshing cylinder having a shaft mounted in bearings supported by the side walls of said thresher housing, and a variable speed drive at the stubbleward side of the thresher housing from a shaft carried by said supporting structure and driven by said power shaft to the stubbleward end of said cylinder shaft, a device operable from the grainward side of the machine for adjusting said variable speed drive to vary the speed of said cylinder shaft, said adjusting device comprising a speed-adjusting actuating element at the stubbleward side of said thresher housing and cooperative with an adjustable element of said variable speed drive, a rotatable operating element mounted at the grainward side of said machine at a point adjacent the grainward end of said cylinder shaft where the operator may manipulate said operating element from a position adjacent said end of the cylinder shaft to adjust the speed of the cylinder shaft while measuring the speed thereof, an operating connection from said operating element to said speed-adjusting element to effect speed-varying actuation thereof, said operating connection comprising a reciprocable rod connected at one end in screw threaded relation to said operating element and operatively connected at the other end to said speed-adjusting element.

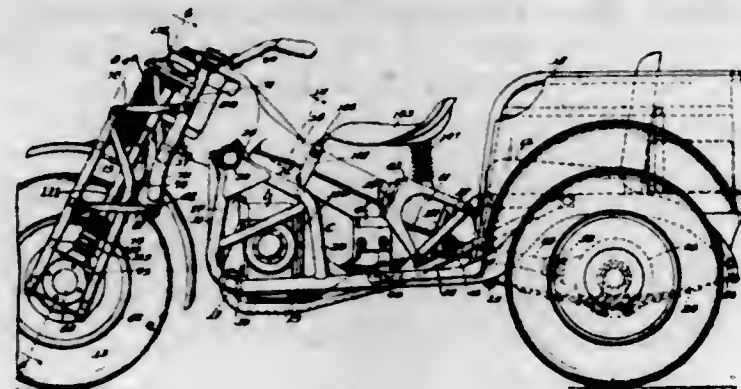
2,435,021

FRONT AND REAR WHEEL DRIVEN MOTOR VEHICLE

Anthony F. Seider, Chicago, Ill.
Application March 11, 1944, Serial No. 526,083
11 Claims. (Cl. 180—25)

1. In a motor driven vehicle, the combination with a pair of rear wheels, a steering wheel, a fork for the steering wheel, a motor, and mechanism for driving the rear wheels and the steering wheel from the motor, of a rear frame-section comprising base members and upwardly extending members at the front of the base members, means on the base members for demountably securing the motor thereon, a front frame section comprising a rearwardly and downwardly inclined tubular member, a housing on the front of the tubular member carried by the fork, means

for demountably connecting the rear and lower end of the tubular member to the rear frame-section, and means for demountably connecting the upper ends of the upwardly extending mem-

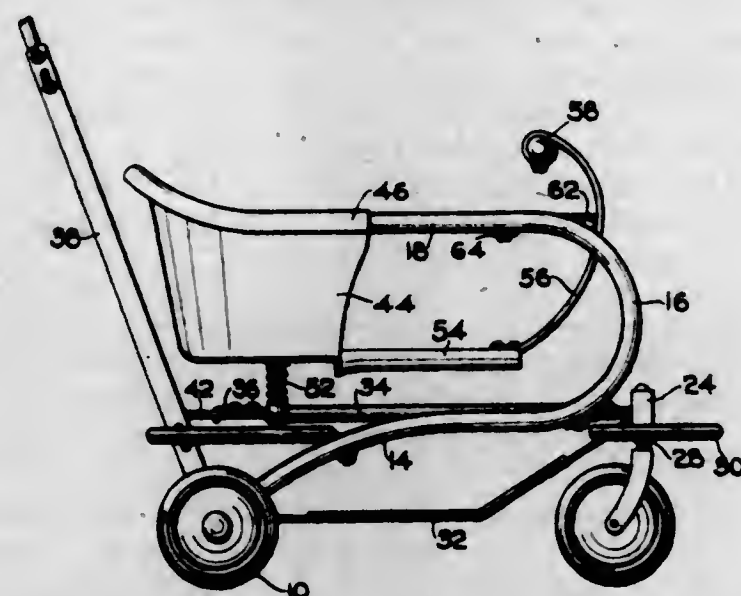


bers on the rear frame to said front frame-section, the mechanism for driving the front wheel comprising a shaft extending through said tubular member.

2,435,022

BABY WALKER

William C. Troendle, Gardner, Mass., assignor to Thayer Company, Gardner, Mass., a corporation of Massachusetts
Application August 2, 1945, Serial No. 608,426
9 Claims. (Cl. 280—47)



2. A device of the class described comprising a spring rod frame, wheels therefor, a seat suspended from the frame, a cross bar secured to the frame, a free-ended longitudinal rod secured at one end to the cross bar and extending under the seat, a resilient connection from the seat to the longitudinal rod, a pusher, and a connection between the pusher and the free end of the longitudinal rod to aid in supporting the latter.

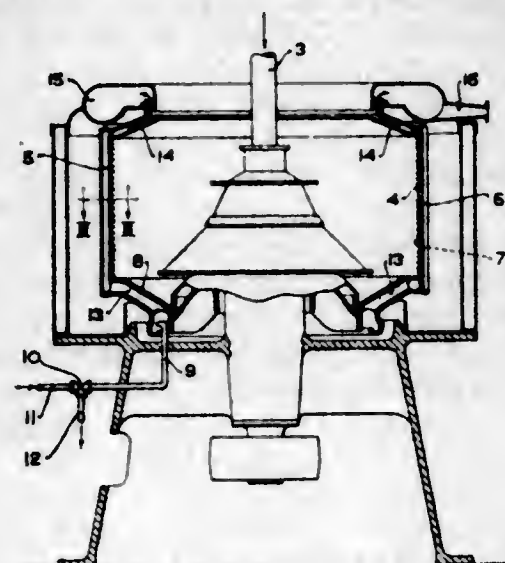
2,435,023

HEATING MEANS FOR CENTRIFUGAL BASKETS

Pieter van Riel, Delft, Netherlands, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands, a company of the Netherlands
Application November 21, 1945, Serial No. 630,078
In the Netherlands July 30, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires July 30, 1960
4 Claims. (Cl. 210—66)

1. In a centrifugal machine, a drum having a passage in the peripheral wall thereof, a jacketed top on said drum and a jacketed bottom on said drum, the said jacketed portions of said drum extending inwardly and having openings therein communicating with said passage in said wall, means for introducing a fluid to said jacketed

portions and said passage, and a skimming and discharge pipe introduced in said jacketed bot-

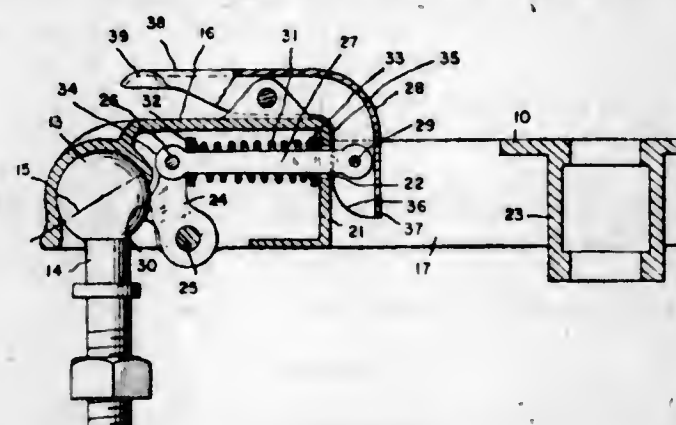


tom whereby said liquid may be removed from said bottom.

2,435,024

TRAILER HITCH

Carl J. Wagner, Detroit, Mich.
Application October 10, 1945, Serial No. 621,417
3 Claims. (Cl. 280—33.17)



3. A tractor hitch comprising a frame adapted to be secured at one end to a vehicle and having a top plate with longitudinally extending sides and a transversely extending vertical wall forming an enclosure, a downwardly opening socket member for receiving a ball at the forward end of said frame, a vertically extending lever fulcrumed between said sides having its free end within said enclosure and having a segmental portion for engaging said ball to prevent withdrawal, a rod connected to the free end of said lever and projecting through and beyond said transverse wall, a releasing lever pivotally connected to the projecting portion of said rod having a handle portion extending forwardly above said top plate when said first lever is in position to engage said ball, and a cam on said lever engageable with said transverse wall and shaped to move said rod to retract said first lever upon actuation of said releasing lever about its pivotal connection to said rod.

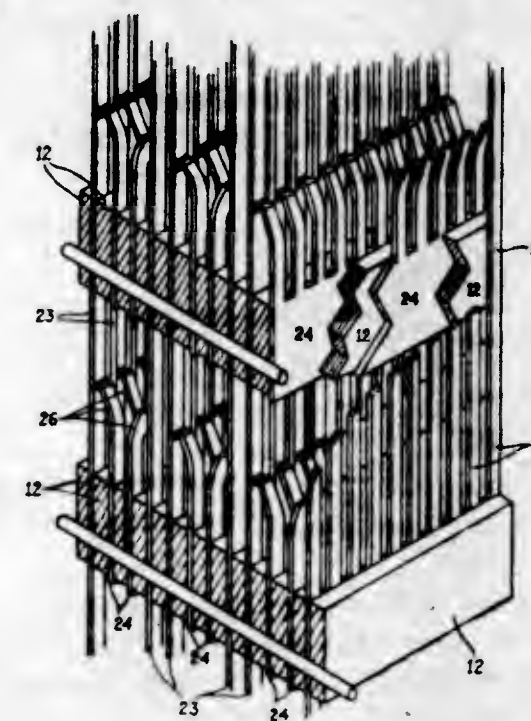
2,435,025

CONTACT BANK OF SWITCHES AND CABLING ARRANGEMENT BETWEEN SWITCHES IN AUTOMATIC TELEPHONE SYSTEMS

George Thomas Baker, Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 6, 1943, Serial No. 478,241
In Great Britain April 20, 1942
17 Claims. (Cl. 179—27.52)

1. In a switching exchange layout, a plurality of groups of independently operable switches,

means for supporting said switches so that those in the same group are aligned vertically one above another and so that the various groups are arranged in vertical and horizontal rows, each group being situated at the intersection of a particular vertical row and a particular hori-

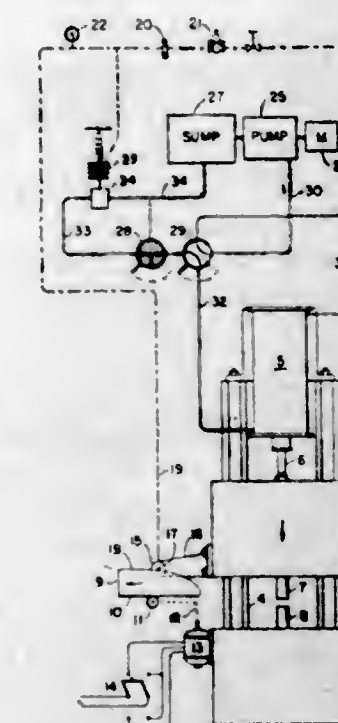


zontal row, each of said groups having an individual vertical contact multiple to which all switches of that group have access, and horizontal cables for each horizontal row of switch groups interconnecting the individual vertical contact multiples of different groups in that horizontal row.

2,435,026

WELDING CONTROL SYSTEM

Frederick A. Barnes, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application June 26, 1944, Serial No. 542,209
18 Claims. (Cl. 219—4)

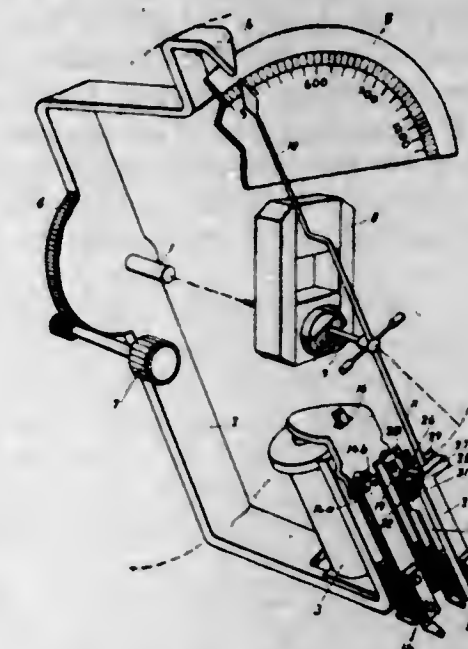


9. In a metal working machine, in combination, means for relatively moving a plurality of portions of the machine to perform a work operation, a program template controlling said means, a control couple having a portion positioned by the machine and a cooperating portion positioned by the template, and time means for positioning said template.

2,435,027

POINTER-CONTROLLED, PERIODIC CIRCUIT BREAKER

Knut Hugo Blomberg, Appelviken, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application October 21, 1942, Serial No. 462,868
In Sweden October 21, 1941
2 Claims. (Cl. 175—373)

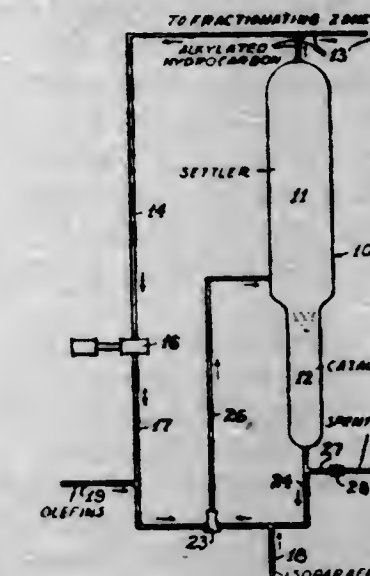


1. An automatic electric arrangement for the control of a circuit in dependence upon the position of a pointer movable over a scale of a measuring instrument comprising a contact spring assembly disposed in the path of movement of and controlled by said pointer, said assembly including contact springs for controlling said circuit, means for selectively setting said assembly along the path of movement of said pointer, a second circuit including a discharge tube and a condenser, and a relay periodically energized by said second circuit for operating the springs of the spring assembly in dependence upon the position of said pointer.

2,435,028

ALKYLATION PROCESS

William E. Bradley, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 12, 1938, Serial No. 218,772
14 Claims. (Cl. 260—683.4)



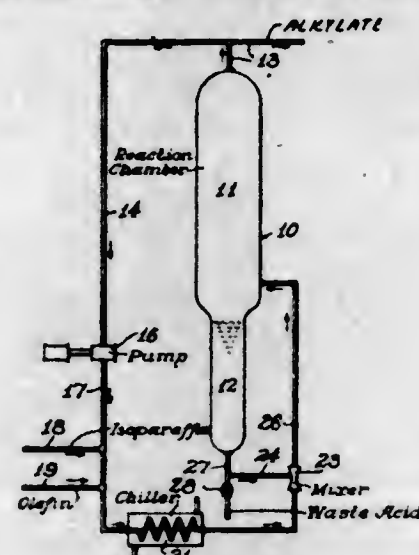
1. In a process for the alkylation of an isoparaffin with an olefin in the presence of an alkylation catalyst, wherein the isoparaffin and the olefin are continuously fed to the alkylation system and contacted therein with the catalyst under alkylating conditions to produce alkylation reaction products, and the reaction products are settled to separate a catalyst phase from an alkylate phase containing a high proportion of isoparaffin, the improvement which comprises prediluting the

olefin feed to the alkylation system with separated alkylate containing a high proportion of isoparaffin prior to contacting the said olefin with the catalyst and precontacting the isoparaffin feed with alkylation catalyst prior to contacting the prediluted olefin with the resulting isoparaffin-catalyst mixture.

2,435,029

PROCESS FOR ALKYLATION OF ISOPARAFFINS WITH OLEFINS

William E. Bradley, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application January 3, 1939, Serial No. 248,928
22 Claims. (Cl. 260-683.4)



1. A continuous method for reacting isoparaffin hydrocarbons with monoolefins which comprises substantially completely filling a circulatory system partially with an acid-hydrocarbon mixture containing a normally liquid acid material capable of catalyzing the reaction and a substantial amount of said isoparaffin hydrocarbons, and the remainder of the system being substantially filled with said acid material substantially devoid of free hydrocarbons, circulating said materials to form a liquid stream with a velocity sufficient to induce turbulence therein, maintaining the acid-hydrocarbon mixture portion of said stream at a temperature suitable for the alkylation reaction, continuously separating from said stream at a point just behind said acid-hydrocarbon mixture portion substantially all of the gravity separable hydrocarbons of the reacted mixture, continuously withdrawing a portion of said hydrocarbons from the system and continuously returning the non-withdrawn portion of said hydrocarbons to said acid-hydrocarbon mixture portion together with a mixture of fresh feed including said isoparaffin hydrocarbon and monoolefin in such amount as to compensate for the hydrocarbons withdrawn from the system.

7. A process of producing alkylate from an olefin and an alkylatable hydrocarbon selected from the class consisting of isoparaffins and aromatics, which comprises alkylating said olefin and alkylatable hydrocarbon by contacting and agitating said olefin, alkylatable hydrocarbon and an alkylation catalyst, and maintaining the molecular ration of alkylatable hydrocarbon to olefin at the point where the olefin initially contacts the alkylation catalyst at least about 50:1.

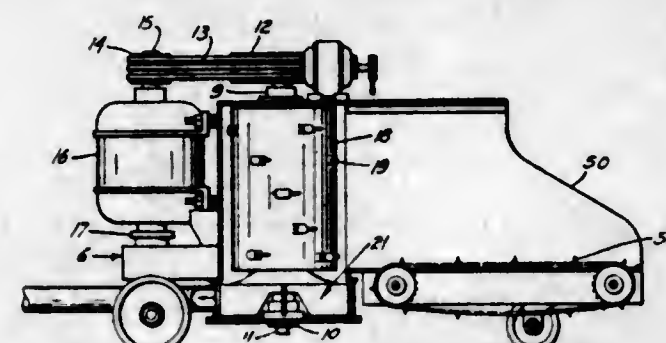
13. In a process for the alkylation of an isoparaffin with an olefin in the presence of an alkylation catalyst, wherein the isoparaffin and the olefin are continuously fed to the alkylation system and contacted therein with the catalyst under alkylating conditions to produce alkylation reaction products, and the reaction products are settled to separate a catalyst phase from an al-

kylate phase, the improvement which comprises prediluting the olefin feed to the alkylation system with separated alkylate phase prior to contacting the said olefin with the catalyst.

2,435,030

DEVICE FOR HANDLING CAKES OF ICE AND DELIVERING SAME IN COMMINUTED FORM

Frank W. Brady, San Francisco, Calif.
Application October 21, 1946, Serial No. 704,651
4 Claims. (Cl. 241-60)

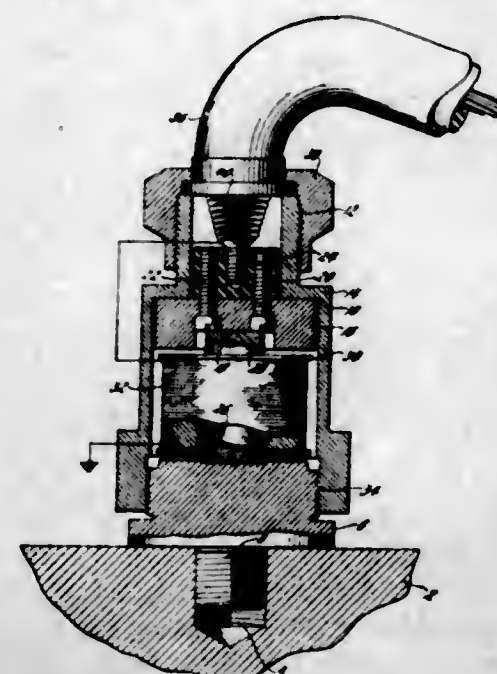


1. A machine for converting a block of ice into finely divided particles and for discharging said particles in a substantially continuous stream through a hose, said machine comprising a substantially vertical shaft, an icebreaker drum having ice breaking means thereon and mounted on said shaft along an upper portion of the shaft, bladed impeller means mounted on a lower portion of said shaft below said drum to receive ice particles from said drum, a first casing surrounding said drum and having a vertical opening along one side thereof, a pair of spaced conveyor chains extending substantially horizontally and adapted to support a cake of ice, means for moving said chains toward said drum to feed a cake of ice supported on said chains into positive ice breaking engagement with that portion of said drum, exposed through the opening in said first casing, and a second casing circular in cross-section surrounding said bladed impeller means and immediately below the first casing and having a tangential outlet therefrom for ice particles.

2,435,031

DETONATION PICKUP

John R. Burns and John M. Whitmore, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 16, 1944, Serial No. 522,580
5 Claims. (Cl. 171-209)



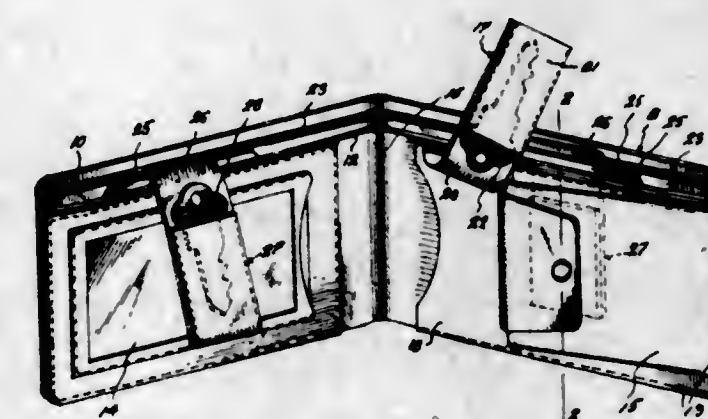
2. The combination of a rigid support adapted to be secured to the exterior surface of a part

subject to vibration, a magneto-strictive permanent magnet member of high retentivity seated upon said support, means engaging the opposite end of said member to hold it under compression and in contact with said support and forming with said support and member a closed magnetic circuit, a coil carried by said support and interlinked with the magnetic circuit whereby any change in the reluctance thereof will induce a current in the coil.

2,435,032

BILL DIVIDER AND KEY CONTAINER FOR BILLFOLDS

Carl M. Campbell, Hagerstown, Md., assignor to Hagerstown Leather Company, Hagerstown, Md., a corporation of Maryland
Application January 16, 1945, Serial No. 573,007
1 Claim. (Cl. 150-36)

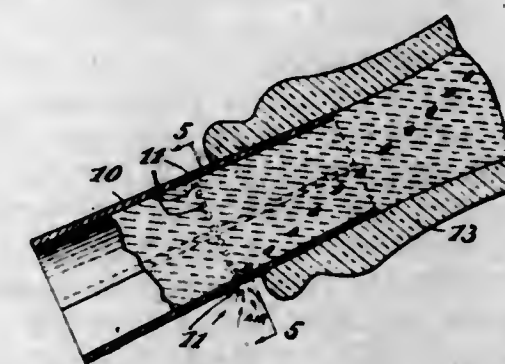


The combination in a billfold having a currency pocket, of a pair of relatively wide flaps, each secured along one edge in the bottom of the pocket and adjacent to an end thereof, each of said flaps extending substantially the full depth of the pocket, a relatively long bill divider designed to be disposed longitudinally in said pocket and having the form of an envelope open along one longitudinal edge, said envelope being disposed in the pocket with the open edge thereof directed toward the bottom of the pocket to form a secret pocket, and a strap-like member secured at the outer edge of each flap and designed to extend into the currency pocket across said envelope to maintain the envelope in position in the currency pocket.

2,435,033

DEVICE FOR TRANSFERRING FLUIDS

James W. Campbell, Rockville Centre, N. Y., assignor to Bottle Brownie Corp., Long Beach, N. Y., a corporation of New York
Application July 14, 1944, Serial No. 545,018
3 Claims. (Cl. 215-79)



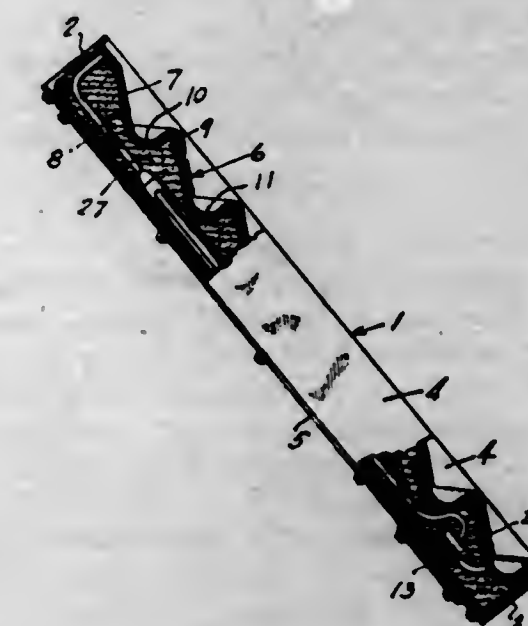
3. In an accessory adapted to act as a valve in a low pressure system, the combination of means for enclosing and conducting a fluid including a

wall of a material to separate the enclosed fluid from a fluid exterior to said wall, said wall having a cavity having an axis substantially at right angles to said wall, and the orifice formed by the opening of said cavity having a non-wettable edge at the enclosed fluid side of said wall, said non-wettable edge of said orifice of said wall having a predetermined circumferential size being determined by the force of the column of fluid above the orifice, of a height equal to the operational head and of cross-sectional area equal to that of the orifice, being equal to or less than the force developed by the surface tension acting on the non-wettable perimeter of the orifice, for bridging said orifice, for withholding said fluid through said cavity preventing egress of the same, but permitting intermittent ingress from the opposite end of said cavity of the other fluid at the other side of the wall to the non-wettable edge when the pressure of the ingress fluid becomes intermittently greater than the resisting forces of the withheld fluid at the orifice, said wall being a sheet of material fashioned into a tube shape with end bores, one smaller than the other, the smaller bore end shaped into the neck of a standard bottle and having its larger bore end adapted to be inserted into the mouth of a drinker, the fluid in the bottle passing through the interior of the tube shaped material, the exterior surface being exposed to the atmosphere between the bottle and the mouth, and having a plurality of said orifices circumferentially spaced around the tube shaped material along said exposed surface.

2,435,034

LIQUID COOLER

Eugene F. Chisholm, Portland, Oreg.
Application February 18, 1946, Serial No. 648,221
1 Claim. (Cl. 62-141)

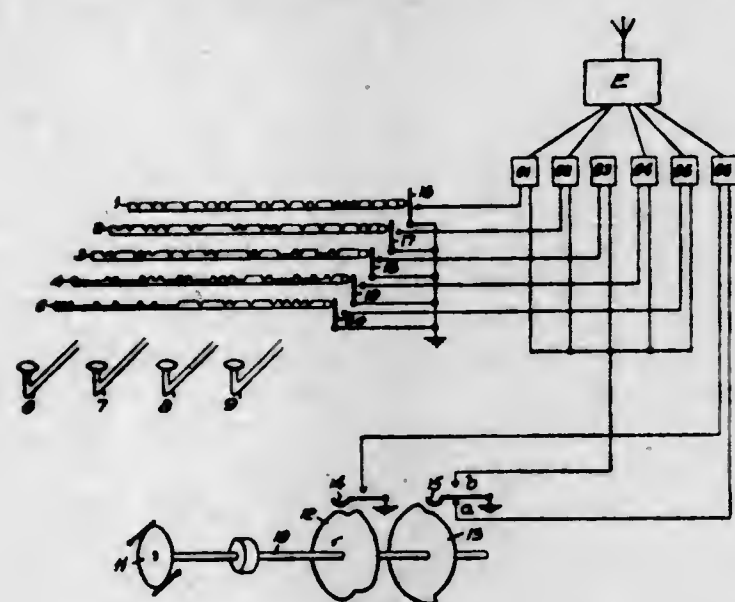


A liquid cooler comprising an evaporator mounted in a frame and having two walls spaced apart throughout the length of the frame and sealed along both of its sides by the sides of said frame, said walls being bent alternately up and down transversely throughout their width into a series of spaced apart troughs, said evaporator being backed by heat-insulating material disposed between the back wall of the evaporator and the back wall of said frame, means for directing liquid refrigerant under pressure to an inlet at one end of the evaporator, means for withdrawing gaseous refrigerant from an outlet header at the other end of the evaporator, and a heat exchanger disposed in the insulating material and including portions of the last two mentioned means.

2,435,035

**SIMULTANEOUS PLURAL FREQUENCY
START-STOP TELEGRAPH SYSTEM**

Lucien Devaux, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 28, 1943, Serial No. 473,885
In France January 31, 1942
23 Claims. (Cl. 250-8)



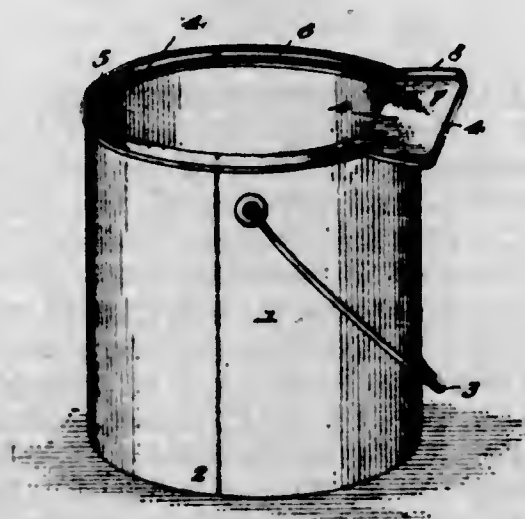
1. An alternating current start-stop printing telegraph system, comprising a group of continuously operating wave signal producers corresponding respectively to code signals and start signals, means for modulating and transmitting first a wave for a start signal and thereafter the waves all at one time for a given code character, so that each of said transmission is prolonged beyond single signal time but within substantially the time of code character transmission by signal sequence, in combination with a receiver and recorder comprising devices for translating the received signals pertaining to a given code character to a printed record thereof during a plurality of time periods of operation and means by which such devices are successively controlled by the start signals of succeeding code characters.

2,435,036

BRUSH SCRAPING ATTACHMENT FOR CANS

Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn., a corporation of Virginia
Original application October 21, 1944, Serial No. 559,808. Divided and this application May 30, 1945, Serial No. 596,612

1 Claim. (Cl. 220-90)



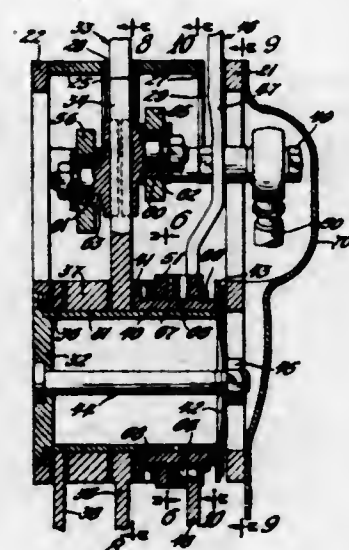
In a paint can having a cylindrical wall, a crown permanently attached to said wall and a

circular groove in said crown, the combination with said can of a tray, said tray having a flange of partial circular configuration and less than a half-circle, said flange conforming to said groove, the center of the flange being substantially at the center of the tray both transversely and longitudinally, said flange being integral and extending downwardly from the under side of the tray and adapted to fit within said groove of said can, said tray having a turned up flange extending about certain of the edges thereof, and a straight edge adapted to overhang the interior of said can when said tray is applied thereto.

2,435,037

**AIRPLANE ENGINE AND PROPELLER PITCH
CONTROL**

Arthur W. Gardiner and Willard T. Nickel, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 6, 1943, Serial No. 509,190
7 Claims. (Cl. 74-471)

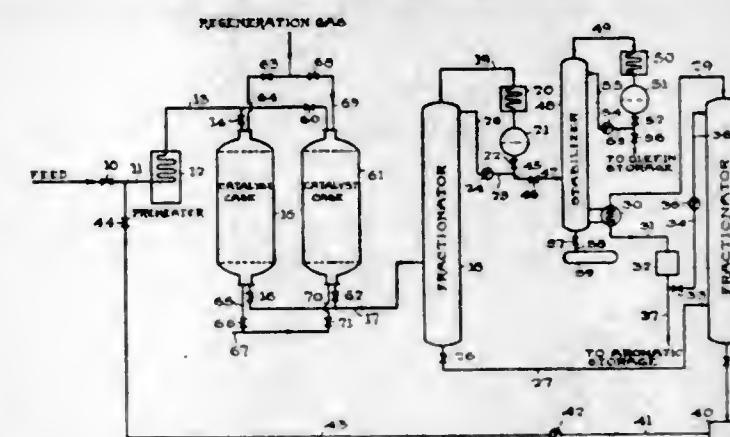


1. In a control, a shaft, an annular member mounted so that it may rock on the shaft, an arm with a cam surface on it mounted so that it may rock connected to the annular member, an operated arm mounted so that it may rock on the shaft, an operating lever connected to the operated arm so that it may rock it on the shaft, means on the operating lever which contacts the cam surface on the first specified arm so that operation of the operating lever may rock the annular member on the shaft, an operated arm mounted so that it may rock on the shaft, an operating lever connected to the second specified operated arm so that it may rock it on the shaft, means for holding the second specified operated arm in a position, and a clutch through which the second specified operated arm is connected to the annular member so that it may be rocked by operation of the first specified operating lever but operation of the second specified operating lever may rock it independently of the first specified operated arm and the first specified operated arm may be rocked by the first specified operating lever independently of the second specified operated arm when the second specified operated arm is held in the mentioned position, including annular members with interfitting projections and depressions joined by inclines which encircle the shaft and are connected, respectively, to the first specified annular member and the second specified operated arm, and a spring which encircles the shaft and urges the last specified annular members toward each other.

2,435,038

**CATALYTIC DEALKYLATION OF ALKYL
AROMATIC COMPOUNDS**

William I. Gilbert, New Kensington, and Charles W. Montgomery, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application June 13, 1944, Serial No. 540,066
6 Claims. (Cl. 260-621)

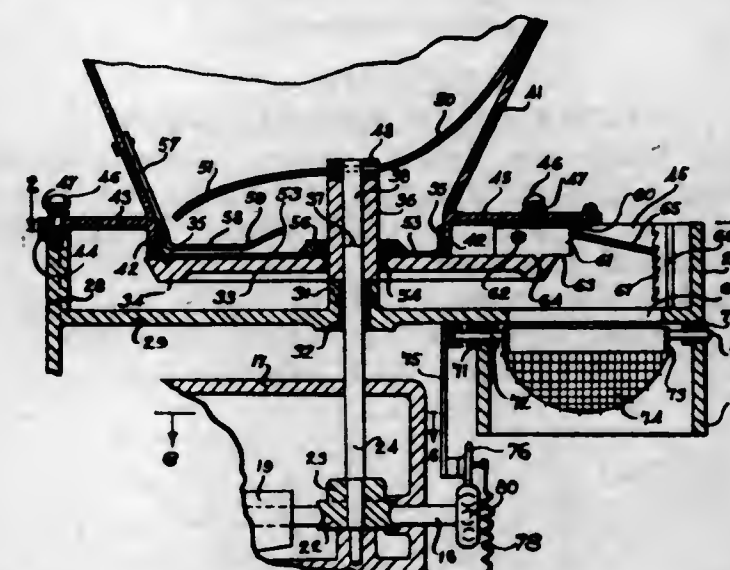


1. A process for producing isobutylene which comprises contacting a mono-hydric tertiary-butyl phenol with an active clay catalyst at a temperature between about 250° C. and about 300° C.

2,435,039

**DISK FEEDER HAVING MATERIAL SCRAPER
AND MATERIAL AGITATORS**

Lyndus E. Harper, Kansas City, Mo., assignor to Omega Machine Company, Kansas City, Mo., a corporation of Missouri
Application January 12, 1944, Serial No. 518,019
5 Claims. (Cl. 222-216)



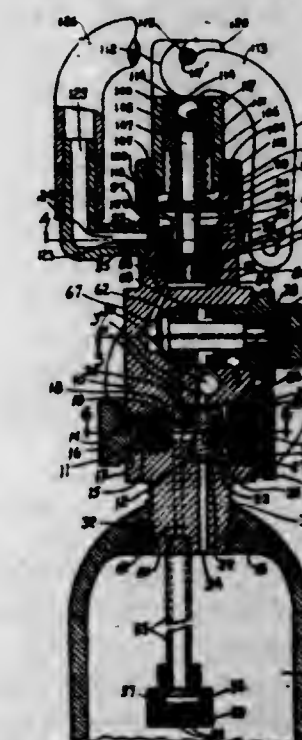
1. In a device for feeding finely divided material at a controlled rate, a hopper, a disk mounted for rotation about an axis passing through its center and forming the bottom of said hopper, said disk having a plane top face except for an annular groove of uniform cross section therein concentric to said axis of rotation, said hopper having a continuous imperforate cylindrical wall portion of less diameter than the annulus of said groove contiguous to said disk, said wall portion having a continuous circular bottom edge lying in a plane parallel to said top face and adapted to engage said top face of said disk face to face, said circular edge being eccentric to said axis so that a portion of said groove lies within said hopper and a portion of said groove lies externally of said hopper, means for pressing said bottom edge into tight engagement with said top face to prevent escape of finely divided material from said hopper except through emergence thereof in said groove under said bottom edge due to rotation of said disk, said bottom edge extending uninterruptedly across said groove to level the material in said groove to fill it to the top face

of said disk and provide a uniform depth of said material in said groove as said groove emerges from said hopper, means engaging said groove externally of said hopper to remove all said material therefrom at a predetermined station during rotation of said disk, means for rotating said disk at a predetermined rate, and means for adjusting the rate of rotation of said disk to adjust the rate of feed of said finely divided material.

2,435,040

GAS DISPENSER

Jay A. Heidbrink, Walter E. Michaelson, and Wayne W. Hay, Minneapolis, Minn., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application June 12, 1944, Serial No. 539,956
3 Claims. (Cl. 222-3)

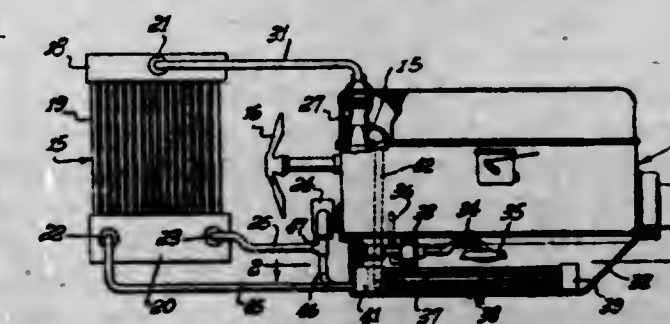


1. In a valve assembly and container of oxygen under pressure, permanently connected and sealed one to the other, a delivery tube located toward the axial center of the container and extending a considerable distance down into said chamber, a set of screens at the open end of said tube, a set of passages through the valve assembly for conveying oxygen gas from the container to a breathing line, said passages including a limit port of minute cross-sectional area and also including a valve chamber in said passages located on the other side of the limit port from the delivery tube, the location of the delivery tube and of the screen system thereon operating to prevent any scale or dust from being moved to the limit port which otherwise might be blocked by very small fragments of tank scale or dust.

2,435,041

**REGULATING DEVICE FOR COOLING
SYSTEMS**

Frederic W. Hild, Los Angeles, Calif.
Application February 10, 1945, Serial No. 577,302
26 Claims. (Cl. 123-178)



4. In a heat exchange system using a circulating liquid for controlling temperature, and in-

cluding a liquid jacket through which the liquid passes and in which heat is transferred to the liquid, said jacket having an inlet and an outlet; a cooling radiator for the liquid, having a reservoir for collecting the cooled liquid; a heat exchanger through which at least some of the liquid passes; means forming a connection between the reservoir and the inlet of the jacket; a valve structure having a first valve closure controlling the flow of the liquid between the reservoir and the heat exchanger, and a second valve closure controlling the flow of liquid between one end of the heat exchanger and the inlet of the jacket; a flow controller adjacent the outlet of the jacket, controlling the flow of liquid to the cooling radiator; means connecting the other end of the heat exchanger with the outlet of the jacket; means for controlling said first and second valve closures and responsive to the temperature of the liquid adjacent the heat exchanger, and so arranged that, at temperatures below a minimum, the first valve is closed and the second valve is open; and, as the temperature increases, the first valve gradually opens and the second valve gradually closes; adjacent the outlet of the jacket for controlling said flow controller to cause it to open at a temperature higher than the temperature required to close the second valve closure; and means causing a flow of fluid from the heat exchanger to the outlet of the jacket when the flow controller is opened.

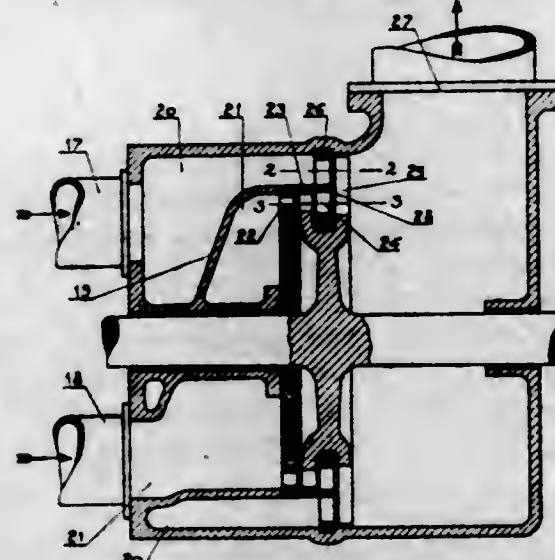
2,435,042

PLURAL FLUID TURBINE COMBINING IMPULSE AND REACTION BLADING

Johan Erik Johansson, Goteborg, Sweden, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden
Application November 17, 1943, Serial No. 510,698
In Sweden November 9, 1942

Section 1, Public Law 690, August 8, 1946
Patent expires November 9, 1962

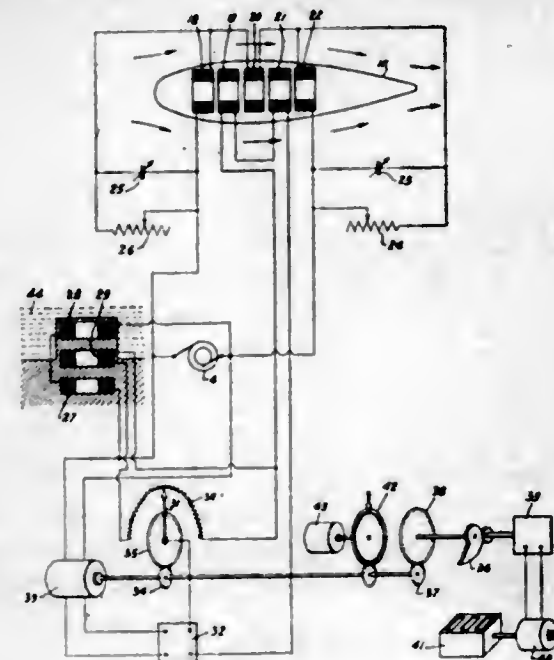
5 Claims. (Cl. 60-49)



1. In an elastic fluid turbine, a turbine wheel, a first blade rim system including moving blades substantially of the impulse type, a second blade rim system including moving blades substantially of the reaction type, said moving blades being secured to said wheel, means for admitting high pressure working fluid to said first blade rim system, and means for admitting low pressure working fluid to said second blade rim system, said first system having a smaller mean diameter than said second system, and the number of blade rims in said first system being greater than the number of blade rims in said second system, said blade rim systems being constructed and arranged to expand said high pressure fluid and said low pressure fluid, respectively, to substantially equal exhaust pressures.

2,435,043 DEVICE FOR MEASURING RATE OF FLUID FLOW

Henry Lehde and Walter T. Lang, Brooklyn, N. Y., assignors to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 6, 1944, Serial No. 557,531
3 Claims. (Cl. 73-194)



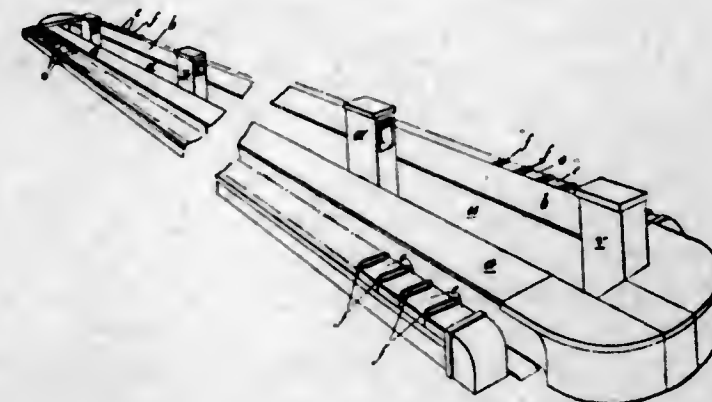
1. An instrument for measuring the flow of a conducting fluid, comprising means to create a magnetic field, means for causing said fluid to flow through said field, opposed search coils associated with said field, and means for measuring the unbalance voltage produced in said search coils by said flow.

2,435,044

MECHANIZED RESTAURANT

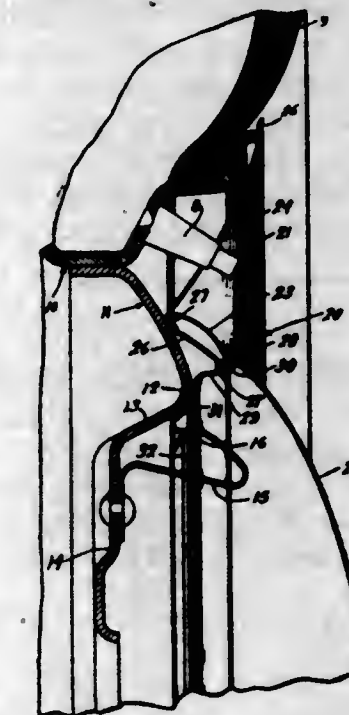
Thomas Maldwyn Lewis, Colne, Ernest Gerald Rounce, Ayrton, Skipton, and Charles Gerald Hubert Field Dunham, Ashbridge Park, Berkshire, England
Application November 27, 1944, Serial No. 565,354
In Great Britain November 15, 1943

4 Claims. (Cl. 186-1)



1. A restaurant comprising at least one endless conveyor constituting in its upper length a continuously moving continuous horizontal table, a stationary support arranged immediately beneath the upper length of the conveyor and extending substantially throughout the length and an endless conveyor at one side of said table and at a lower level than the table and constituting in its upper length a continuously moving horizontal line of seats, a stationary support for the upper length of the seat conveyor arranged immediately therebeneath the table and seats traveling at the same linear speed, and another endless conveyor constituting a foot-rest for the persons on the seats and moving continuously at the same speed as the table and seats.

2,435,045 VEHICLE WHEEL COVER George Albert Lyon, Allenhurst, N. J. Application September 4, 1945, Serial No. 614,417 4 Claims. (Cl. 301-37)

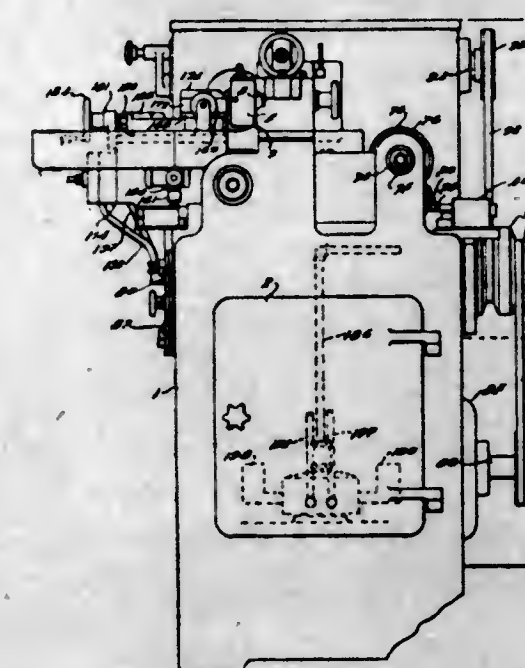


1. In a cover structure for a wheel including a tire rim and a load bearing body part having cover retaining means, a multipart cover assembly including concentric radially outer and inner nested members, said outer member comprising an annulus made of resiliently deflectable form-sustaining plastic and said central member comprising a circular hub cap of much more rigid material and provided with an underrun edge cooperable with said retaining means and an annular reinforcing ring at the junction of said members tightly nested over an inclined margin of said central member and interlocked with an inner edge of said outer member.

2,435,046

RELIEVING MACHINE

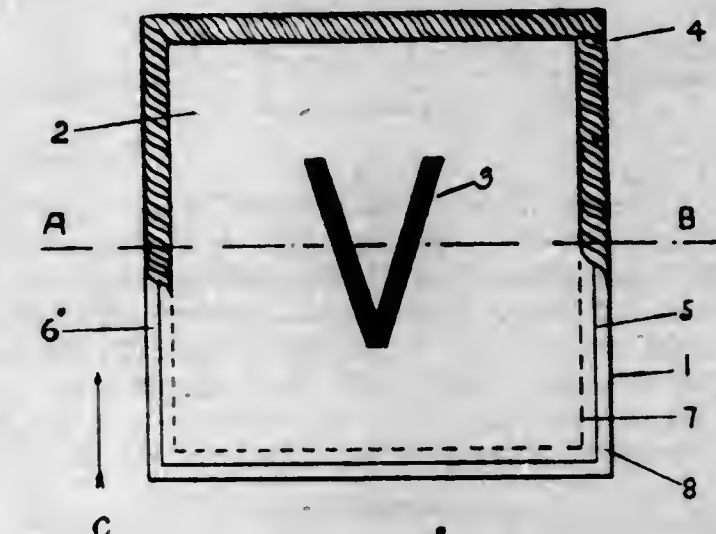
James Martin, Ferndale, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application September 12, 1945, Serial No. 615,792
4 Claims. (Cl. 82-19)



1. In a hob tooth flank relieving machine, a base, a reciprocable tool support mounted thereon for mounting a toolholder for movement into and out of a retracted position, a cam follower depending from said tool support, a releasable compression spring to move said tool support and cutting tool thereon to a retracted position, a pressure responsive piston for releasing said spring and compacting the same upon returning

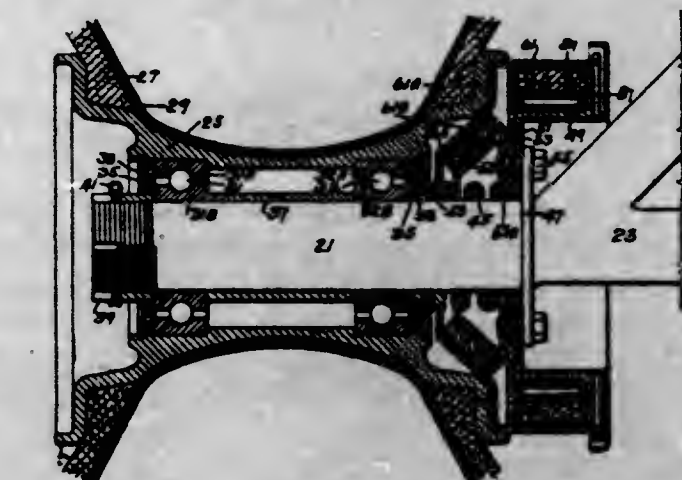
the tool support from a retracted position, a rotating ratchet and cam integrally secured to a shaft operatively associated with said pressure responsive piston, said cam follower engaging the surface of said cam continuously to simultaneously with the retracting movement reset the cutting tool for the next cut, said ratchet engaging a pawl causing said ratchet and cam to be rotated and locking the cutting tool in reset position, and means for automatically actuating said pressure responsive means.

2,435,047 DECORATED CAKE Thomas McKee, Glendale, Calif. Application October 8, 1945, Serial No. 620,991 5 Claims. (Cl. 99-92)



1. In a cake; a layer of plain cream frosting on a surface of said cake, a decorated edible imperforate wafer paper sheet, which is flexible, and has two different forms of surfaces, one smooth the other being roughened; and a soft edible filling material rubbed over the roughened surface to prevent formation of air pockets and to prevent expansion or contraction of said sheet, the roughened side of said sheet overlying and resting on at least part of said frosted surface.

2,435,048 ANTIGROUND-LOOP BRAKE Harry L. McPherson, Memphis, Tenn., assignor of one-fourth to J. H. Weatherford and one-fourth to Heiskell Weatherford, Memphis, Tenn. Application May 2, 1946, Serial No. 666,623 21 Claims. (Cl. 244-111)

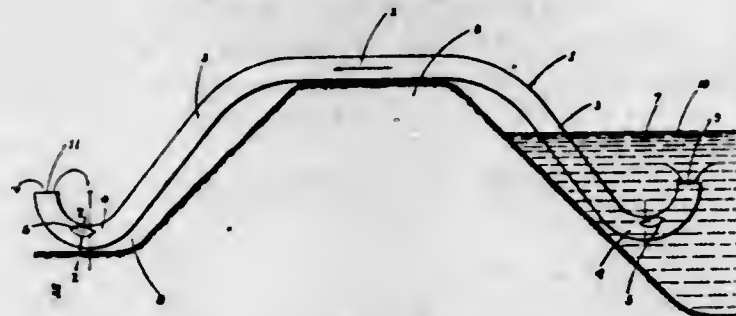


13. An antiground-loop airplane landing gear, including laterally disposed axles, and landing wheels journaled, and longitudinally shiftable on, said axles, each wheel and axle assembly including inner and outer shift-limiting means, said inner means including a member spaced axially from said wheel, and interposed resilient means urging said wheel against said outer

means; cooperative braking members respectively carried by said wheel and said axle and held in spaced relation by said resilient means, said resilient means being compressible by side thrust of said plane when said wheels are functioning to permit braking contact of said braking members.

2,435,049 SIPHON PIPE

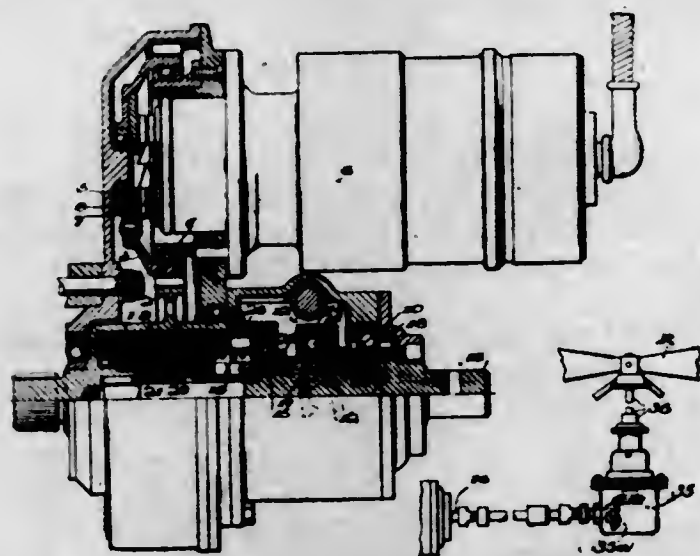
Leland E. Minges, Visalia, Calif.
Application September 26, 1945, Serial No. 618,679
3 Claims. (Cl. 137-20)



1. A siphon pipe including a center section having downwardly extending legs on opposite ends thereof, and upturned goosenecks on the lower ends of said legs; each gooseneck having a laterally outwardly expanded blister thereon adjacent the low point of said gooseneck and extending therefrom in a direction towards the adjacent end of the siphon.

2,435,050 DRIVE

Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Original application December 12, 1940, Serial No. 369,910. Divided and this application May 27, 1943, Serial No. 488,762
2 Claims. (Cl. 170-135.5)

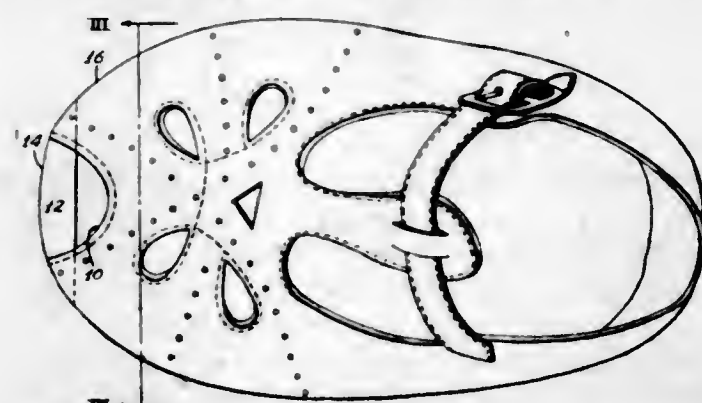


2. In aircraft apparatus comprising rotatable wings, and driving means for said wings including clutch means providing for free wheeling of the wings, the combination of a rotative member adapted for connection to a propeller driving engine, an element adapted to rotate said member, a starter adapted to rotate said element to start the engine, an engine driven shaft, a first clutch member, torque-limiting means including friction elements connected to said rotative member and said first clutch member, respectively, means tending to disengage said friction elements from each other, operating means for engaging said friction elements to each other, spring means opposing said operating means, a cooperating clutch member rotatable with and axially movable relative to said shaft, means biasing said cooperating clutch member axially toward engagement.

with said first clutch member, means for holding said cooperating clutch member against said bias, control means operative to release said cooperating clutch member from said holding means for engagement with said first clutch member under said bias and subsequently to actuate said operating means against the action of said spring means to engage said friction elements to each other, means cooperating with said control means for limiting the value of the torque transmitted by said friction elements, and means for connecting said shaft to the rotatable wing driving means.

2,435,051

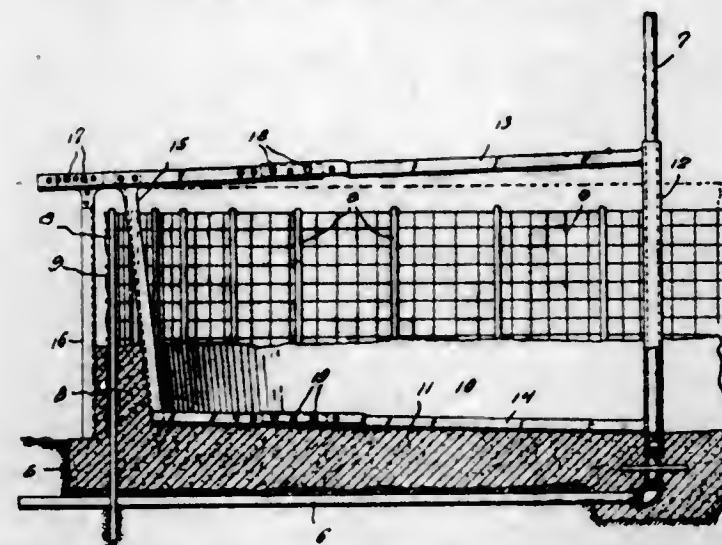
MANUFACTURE OF OPEN-TOE SHOES
Harry E. Osborne, Shillington, Pa., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 30, 1945, Serial No. 596,623
5 Claims. (Cl. 12-142)



1. That method of making shoes which comprises forming an upper with an opening in its bottom margin, said opening being of maximum width at the edge of the upper, contracting said marginal opening to shape the upper, said opening after its contraction still being of substantial width at the edge of the upper, applying a tape to the bottom margin of the upper to connect portions of said upper at opposite sides of said opening, and completing the shoe.

2,435,052

APPARATUS AND METHOD FOR MOLDING CIRCULAR CONCRETE TANKS
Frank Parrett, Arapaho, Okla.
Application April 7, 1944, Serial No. 529,982
4 Claims. (Cl. 25-1)

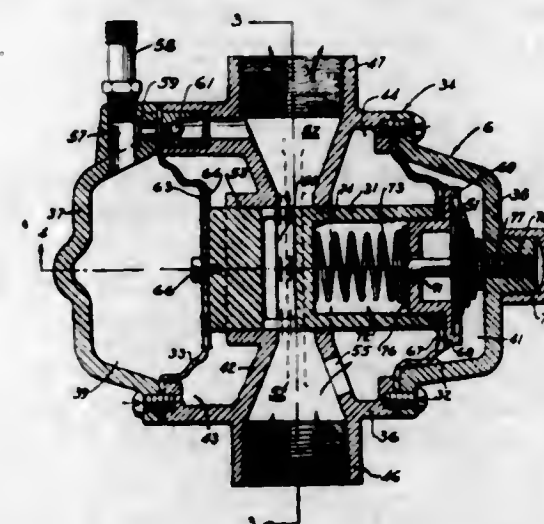


3. A device for shaping and smoothing the inner and outer surfaces of successive layers of concrete placed to form the circular wall of a tank, comprising a vertical pivot adapted to be placed at the center of the tank, an elongated tubular hub rotatably fitted upon the vertical pivot, an arm radiating from and fixed to the said hub, spaced inner and outer smoothing bars depending from said arm and substantially corresponding in lengths to the height of said circular.

wall, and a second lower arm radiating from said hub and connected to the lower end of the inner smoothing bar to smooth the upper surface of a layer of concrete placed to form the bottom of the tank.

2,435,053 VALVE AND AIR CHARGER FOR PUMP-STORAGE SYSTEMS

Jack E. Piccardo and Lino D. Piccardo, Oakland, Calif., assignors to Shasta Pump Company, a corporation of California
Application August 5, 1944, Serial No. 548,234
10 Claims. (Cl. 103-6)



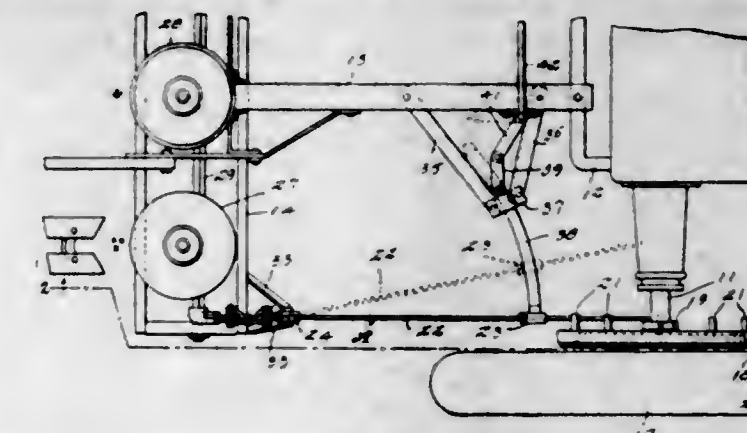
1. In combination with a pump and storage tank therefor; a regulating valve and air charger comprising, a casing having a valve passage adapted for connection to the discharge side of said pump and to said tank, a valve member movable to positions opening and closing said passage, a plurality of diaphragms mounted in said casing and connected to said valve member for joint movement therewith between the open and closed positions thereof, said casing and diaphragms providing expansible and contractible chambers on the opposite sides of said diaphragms, the chamber on one side of each of said diaphragms being adapted for connection to the intake side of said pump, the chamber at the opposite side of one of said diaphragms being adapted for connection to the discharge side of said pump whereby the pressure differential generated by said pump when in operation will displace said last named diaphragm to the open position of said valve member, spring means urging said last named diaphragm and said valve member to the latter's closed position upon discontinuance of pump operation, the chamber at the opposite side of said other diaphragm being formed with passages adapted for connection to the atmosphere and to said tank, and check valves mounted in said last named passages and coacting with the expansion and contraction of said last named chamber to pump air into said tank.

2,435,054

POWER CHECK PLANTER
Everett L. Pressley, Aledo, Ill.
Application July 27, 1945, Serial No. 607,311
2 Claims. (Cl. 111-16)

1. The combination with a tractor, a plurality of pins circumferentially arranged on one of the tractor wheels and rotatable therewith, a portable framework secured to said tractor, a slidable rod mounted on said framework and having a longitudinal axis disposed in the plane of rotation of said pins, said rod being adapted to be engaged successively by each of the pins and to be moved rearwardly thereby as the tractor wheel rotates, a seed hopper supported

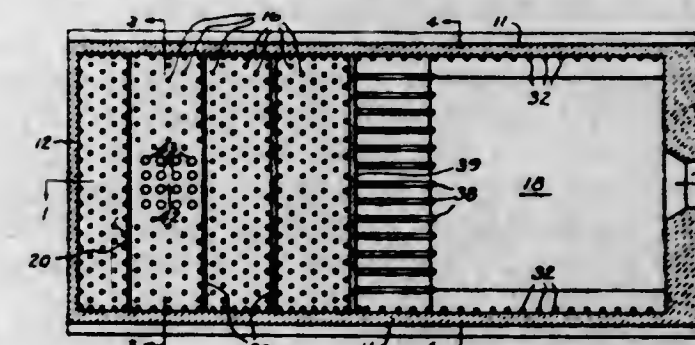
on said framework, a pivotally mounted shaft for operating said hopper, means interconnecting said rod and said shaft for rotating the shaft when the rod is moved rearwardly, and means



for moving said rod out of operative relation with said pins thereby displacing said longitudinal axis of the rod from the axis of rotation of said pins.

2,435,055

STEAM GENERATOR
Gustav A. Rehm, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application November 16, 1944, Serial No. 563,653
3 Claims. (Cl. 122-347)



1. A steam generator comprising a longitudinal steam-and-water drum, a longitudinal water drum therebeneath, a bank of upright water tubes connecting the drums and arranged to leave a space free from such tubes in a region located a substantial distance rearwardly from the front of the tube bank, walls providing a combustion chamber in front of the tube bank, longitudinal headers on opposite sides of the combustion chamber, downcomer tubes located within the said space with their upper ends connected to the bottom of the upper drum close to the vertical axial plane thereof, the lower ends of the downcomer tubes being connected to the rear portions of the headers, and upright water wall tubes adjacent the side walls of the combustion chamber with their lower ends connected to the headers and their upper ends communicating with the steam-and-water drum.

2,435,056

METHOD OF APPLYING PLANT RESPONSE SUBSTANCES

Harold A. Schomer, Beltsville, Md., and Charles L. Hamner, Geneva, N. Y., assignors to the United States of America, as represented by the Secretary of Agriculture
No Drawing. Application January 16, 1945, Serial No. 573,095
13 Claims. (Cl. 47-58)

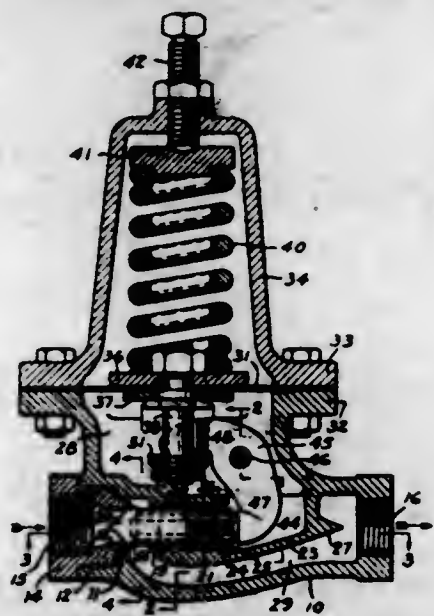
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of applying a plant growth regulant to plants comprising dispersing the plant growth regulant in aerosol form in the ambient air of the plants.

2,435,057

PRESSURE REGULATING VALVE

Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application May 14, 1943, Serial No. 486,929
1 Claim. (Cl. 50-26)



A pressure regulating valve comprising a hollow casing having an inlet and an outlet arranged in substantially horizontal alignment, the inlet being surrounded by an annular valve seat, a partition dividing the interior of the casing into an upper control chamber and a substantially straight horizontal flow passage therebeneath connecting the inlet with the outlet, the partition including a structure mounted in the passage and having a blunt nose spaced from the inlet, the structure tapering smoothly and gradually along three sides from the nose to a comparatively sharp trailing end near the outlet, the passage being of substantially U-shape in cross-section adjacent the said structure, the said structure having a horizontal bore in the nose end thereof aligned with the inlet and a recess connected with the rear end of the bore and opening upwardly into the control chamber, a flexible diaphragm forming the upper wall of the control chamber, a post extending downwardly from the diaphragm in front of the recess, a valve member slidably supported in the bore and arranged to cooperate with the valve seat and thus control the admission of fluid through the inlet, the valve member having a conduit therethrough connecting the recess with the passage adjacent the seat and so located that the fluid pressure in the control chamber will be reduced by the aspirating effect of the fluid flow past the end of the conduit adjacent the seat, and a bell-crank lever fulcrumed on the casing above the recess, the lever having one arm which extends forwardly to connect with the post and a second arm which extends downwardly into the recess to engage the rear end of the valve member.

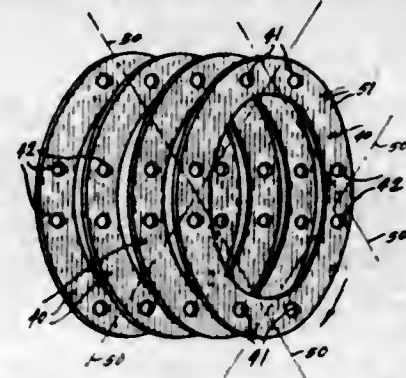
2,435,058

FLEXIBLE COUPLING

Bertha E. Thomas, Warren, Pa.
Application March 6, 1943, Serial No. 478,267
4 Claims. (Cl. 64-13)

3. As an article of manufacture, a grain lined rolled flexible metal disc of ring-shaped formation having diametrically opposed bolt openings therein for receiving driving bolts and also diametrically opposed openings therein for receiving driven bolts; the latter openings being disposed at 90° with respect to the former openings, the grain lining of the disc being disposed so that

the same is on a bias with respect to lines of force extending directly between the drive and driven

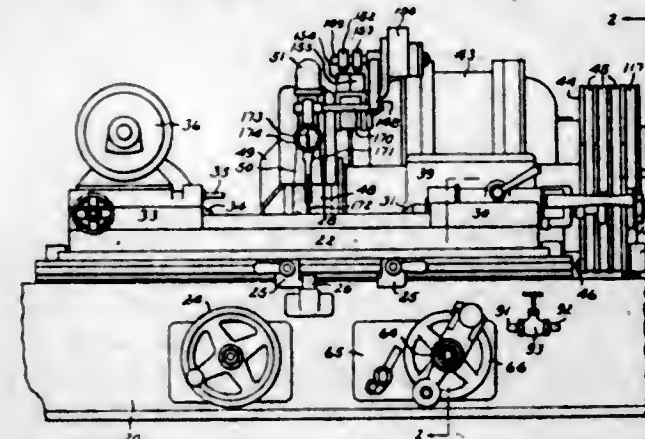


bolt openings and at an angle of 45° with respect thereto.

2,435,059

GRINDING MACHINE

John G. Thompson, Worcester, Mass., assignor to Arter Grinding Machine Company, Worcester, Mass., a corporation of Massachusetts
Application July 20, 1945, Serial No. 606,158
11 Claims. (Cl. 51-2)

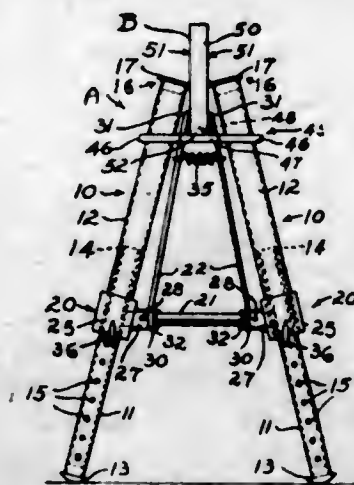


1. A grinding machine comprising means to support a work piece, a wheel head movable toward and from the work piece, mechanism to move the wheel head, a grinding wheel carried by the wheel head, a motor connected to the grinding wheel to drive the same, means including a clutch to connect the motor with the said mechanism to move the wheel head, a gauge arranged to engage the work piece and indicate the size thereof, means supporting the gauge for movement into and out of engagement with the work piece, and means to control the said clutch in response to the movements of the gauge.

2,435,060

SCAFFOLD SUPPORT

Peter Thomson, Wilmington, Del.
Application August 12, 1946, Serial No. 689,904
5 Claims. (Cl. 304-6)



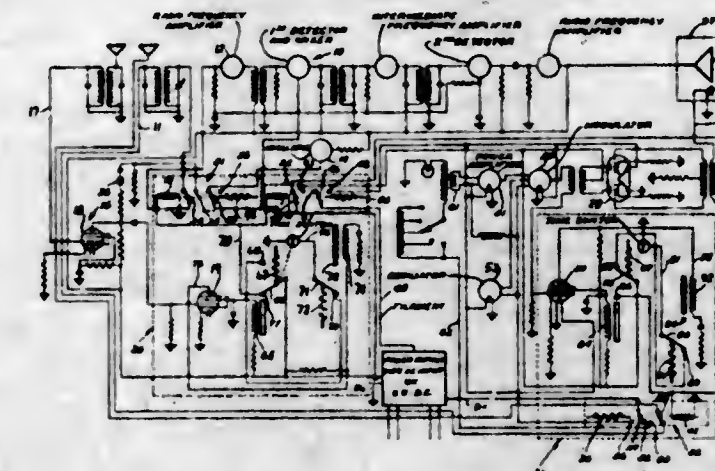
2. In a trestle, a pair of normally upwardly-converging legs including telescopic sections and having scaffolding-engaging means at their upper ends; a cross member bridging said legs; a pair of brace rods having scaffolding-engaging means

at their upper ends, and eyed portions at their lower ends, and means for adjustably connecting said telescopic sections and supporting said cross member and being operatively connected with said brace rods at their eyed portions for swinging movement of said brace rods, including a pair of portions, one secured to one telescopic portion of one leg and the other secured to one telescopic portion of the other leg, a socket portion secured to each of said pair of portions, and constructed and arranged to loosely accommodate an end of said cross member, a pivot pin for each socket portion, extending therethrough and through an end of said cross member, the surfaces of said cross member within said socket portions being normally spaced from the inner faces of said socket portions, said eyed portions being disposed about said cross member at adjacent the outer ends of said socket portions; and means to limit movement of said eyed portions toward the intermediate portion of said cross member.

2,435,061

RADIO TRANSCEIVER

Meyer Turkat, Brooklyn, N. Y.
Application January 27, 1945, Serial No. 574,907
8 Claims. (Cl. 250-13)



1. In a radio receiving and transmitting device, a receiver for broadcast reception adapted to be tuned to receive a number of different wave lengths, an interceptor receiver tuned to a certain wave length, a transmitter, a relay having a switch section connected with said broadcast receiver and transmitter for switching off said broadcast receiver and simultaneously switching on said transmitter and for switching on said broadcast receiver and simultaneously switching off said transmitter, a power supply for said relay, a control tube for said relay, a power supply for said control tube, an input circuit connecting said interceptor receiver with said control tube for influencing the output of said tube, an output circuit for said control tube for controlling said relay, a time switch in said output circuit for arresting operation of said relay for preset periods each time it switches said broadcast receiver off and said transmitter on, and means for resetting said time switch before the expiration of said preset periods responsive to reception of an incoming message of said interceptor receiver.

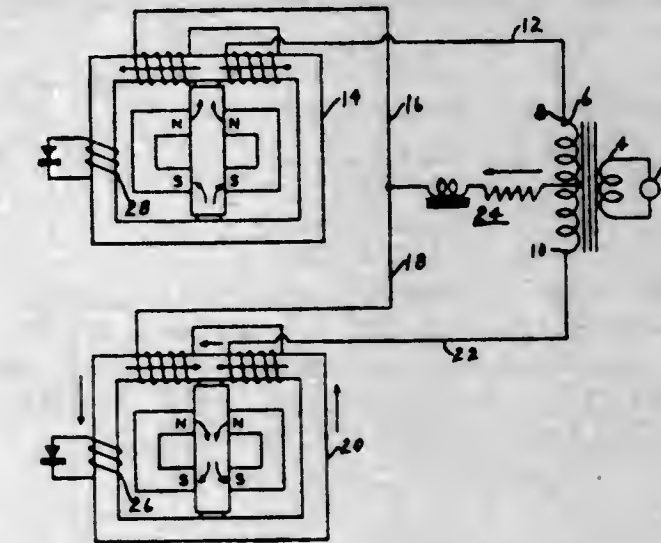
2,435,062

RECTIFIER SYSTEM

Philip John Walsh, San Francisco, Calif., assignor, by direct and mesne assignments, to Agency Electric Co., San Francisco, Calif., a limited partnership
Application April 15, 1944, Serial No. 531,260
5 Claims. (Cl. 175-363)

1. In combination, a core of magnetic material forming a substantially closed loop, a pair of

windings on said core and adapted to be energized in opposite polarity from a source of alternating current, a leg of magnetic material extending across said loop between said windings to form a pair of magnetic paths, each linking with one of

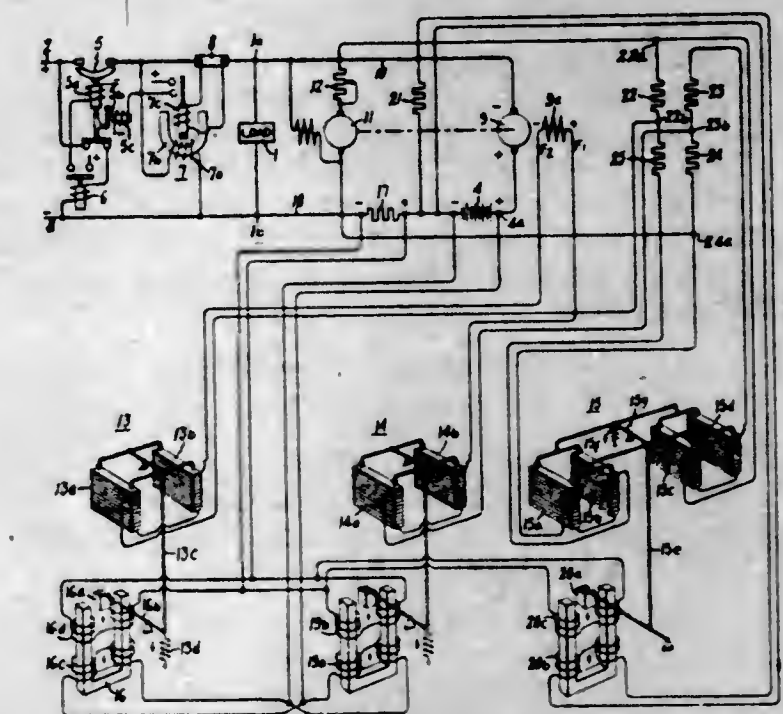


said windings, means for localizing a unidirectional flux in said leg sufficient to substantially saturate the same in the absence of other factors, and means for unbalancing said magnetic paths when the field strength is reduced to shift the flux to a path around said loop.

2,435,063

STAND-BY CONTROL SYSTEM

Burr S. Weaver, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 15, 1945, Serial No. 616,633
6 Claims. (Cl. 320-32)

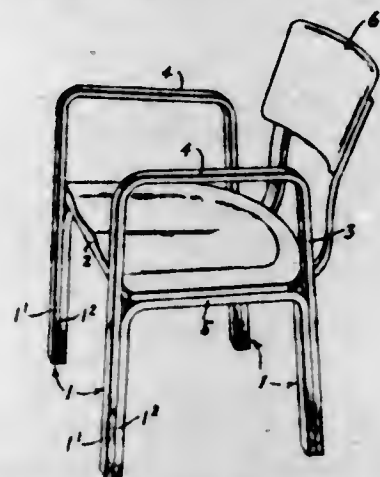


1. In a stand-by control system for a load device having connections to a supply source and to a stand-by battery, a booster generator having a field winding and having its armature connected in series in the load to battery connection, a first regulator having a coil responsive to the voltage of said battery and a coil responsive to said charging current and a variable resistance in the circuit of said field winding and controlled by said coils for controlling said generator to increase the voltage supplied to the battery as the charge on the battery increases from full discharge to a predetermined partial charge, a second regulator having a first coil responsive to the voltage of said battery and a second coil responsive to said charging current and a variable resistance in the circuit of said field winding and controlled by said first and second coils for controlling said generator to decrease the voltage supplied to the battery as the charge increases

from said predetermined partial charge to full charge, and a third regulator having a voltage coil responsive to the voltage of said load device and a current coil responsive to the discharge current of the battery and a variable resistance in the circuit of said field winding and controlled by said voltage and current coils for controlling said generator to maintain the voltage at the load constant during discharge.

2,435,064 CHAIR

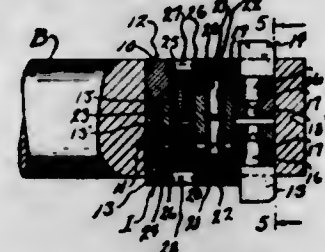
Bruno R. Weill, Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y.
Original application September 19, 1944, Serial No. 554,741. Divided and this application March 21, 1945, Serial No. 583,968
2 Claims. (Cl. 155—193)



1. In a chair, two supporting elements, each of said supporting elements comprising an upper and a lower inverted U-shaped member formed of a plurality of plywood sheets, the bases of said two members extending in substantially parallel arrangement in predetermined distance from each other, the said lower member being fitted within said upper member and having the branches of said two members joined to form two legs of the chair, a seat supported by and attached to the base of the said lower member and the base of the said upper member forming an arm support.

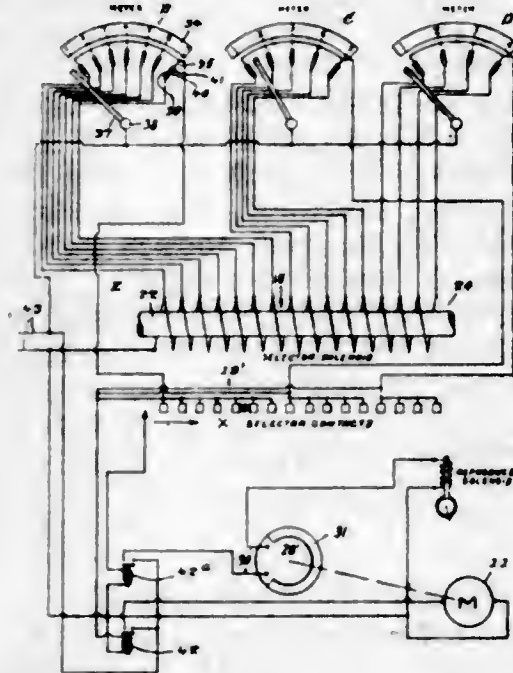
2,435,065 BORING BAR

Edward A. Zempel, Milwaukee, Wis.
Application July 20, 1946, Serial No. 685,039
5 Claims. (Cl. 77—58)



1. A boring tool comprising a bar having a diametrically extending slot therein adjacent to its forward end, a removable insert snugly fitted in said slot including a center guide block, a pair of like companion normally floating cutter blocks slidable on the center supporting block, cutter tips carried by the floating cutter blocks, guide pins between the center supporting block and the floating cutter blocks, a guide sleeve disposed in rear of said guide pins and extending through the center supporting block and the floating cutter blocks, said sleeve having its opposite terminals internally threaded, and headed screws threaded into the opposite ends of the sleeve, the heads of these screws being adapted to bear against the floating cutter blocks.

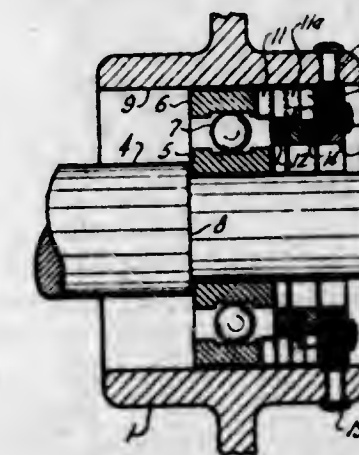
2,435,066
METER READING ANNUNCIATOR
Walter V. Barsh, Indiantown Gap, Pa., assignor to Francis A. Barr, Laurelton, Long Island, N. Y.
Application February 3, 1944, Serial No. 520,947
1 Claim. (Cl. 177—311)



In an annunciating machine, the combination of a condition manifesting arm, means movably mounting the same whereby movement of the same varies with the magnitude of the condition, a first series of spaced contacts mounted in the path of said arm and adapted to be slidably engaged thereby during movements thereof in accordance with the magnitude of the condition, each said contact representing a respective predetermined magnitude of the condition, a plurality of separate coils electrically connected together in series, frame means mounting said coils in axial alignment to form a solenoid, a plunger slidably mounted through said coils, spring means between said plunger and said solenoid for yieldingly resisting movement of the plunger into the solenoid, a turntable positioned beneath the plunger, an electric motor for rotating the turntable, a flat phonograph record mounted on said turntable and having a series of substantially concentric discrete sound grooves, each groove having a recording of a message by the human voice describing the magnitude of the condition represented by the respective contacts, a sound reproducing means above said phonograph record and attached to said plunger for movement therewith, means connecting said first series of contacts to said coils respectively for energizing a number of coils corresponding to the contact being engaged by the movable arm whereby said plunger will be shifted against the spring means into said solenoid a distance governed by the coils energized to thereby position the sound reproducing means above the concentric sound groove containing the recording describing the magnitude of the condition corresponding to the contact being engaged by the movable arm, a source of electrical energy connected across said arm and the end coil of the solenoid, a pick-up solenoid means carried by said sound reproducing means and adapted to control the engagement of the same with a sound groove on said phonograph record, a first relay means including timer contacts associated with said pick-up solenoid for controlling the conditioning of the same preparatory to engaging the phonograph record, a second relay means associated with said electric motor for controlling energization thereof, a circuit breaker device for bridging said timer contacts, gear means driven by said motor for

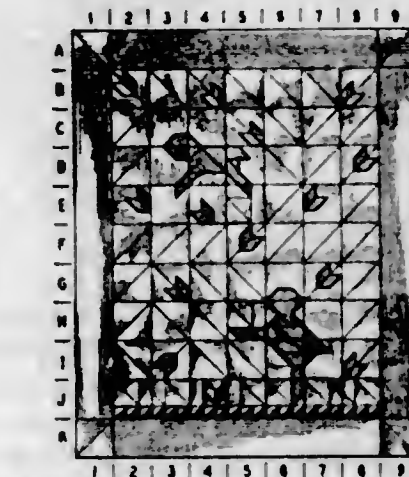
actuating said circuit breaker device whereby energization and deenergization of said pick-up solenoid is synchronized with respectively the beginning and the ending of the message on the sound groove on phonograph record and corresponding to the condition indicated by the arm, a second contact mounted adjacent each first contact, means connecting said second contacts to one side of each of said relay means, means connecting a source of energy across said arm and the other side of each of said relays whereby upon a change in magnitude of the condition being manifested by movement of said arm, said sound reproducing means will reproduce a message of a human voice announcing such magnitude.

2,435,067
ANTIFRICTION BEARING MOUNTING
Rolla M. Beatty, Pittsburgh, Pa.
Application October 18, 1946, Serial No. 704,224
2 Claims. (Cl. 308—236)



1. An antifriction bearing structure comprising an inner race mounted for rotation with a shaft, an outer race and antifriction bearings disposed between the inner and outer races, said outer race having radial slots on one face thereof, a lock ring having ears or lugs disposed on opposite faces thereof for interacting with the slots of said outer race, and a second lock ring having slots for engaging the oppositely disposed lugs of said first named lock ring, and means for anchoring said second named lock ring to the bearing housing.

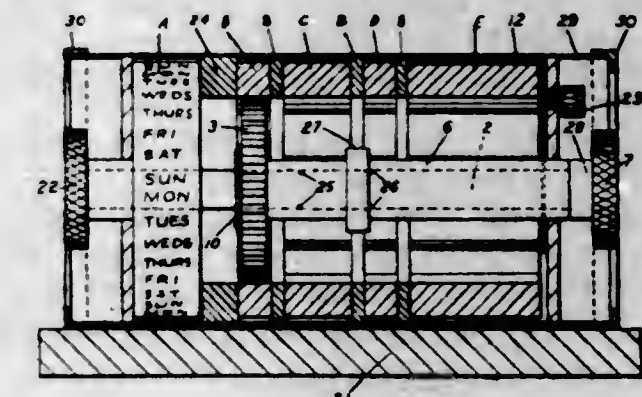
2,435,068
NUMBER KNITTING
Virginia Woods Bellamy, Cold Spring Harbor, N. Y.
Application April 16, 1945, Serial No. 588,561
8 Claims. (Cl. 66—1)



1. The method of making a knitted fabric which comprises the laying out on graph paper of a pattern therefor made up of geometric

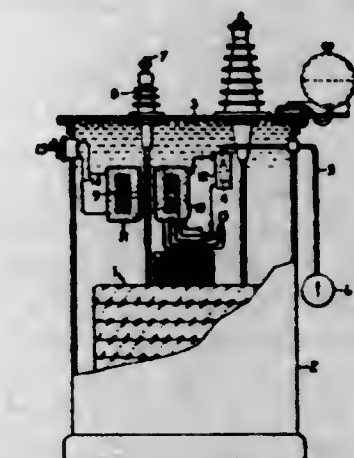
straight-line figures such as basic squares and half squares and pluralities thereof, and dividing the pattern into parts to indicate fabric parts to be knitted in succession; and knitting said parts accordingly, beginning the knitting of each part by knitting it to a preceding part.

2,435,069
PERPETUAL CALENDAR WITH AUTOMATIC DAY INDICATION
Jack Frederick Botham, Colchester, England
Application December 7, 1943, Serial No. 513,243
In Great Britain December 22, 1942
2 Claims. (Cl. 40—112)



1. A perpetual calendar, having a series of internally-toothed indicator drums side by side and including a day-name indicator for the names of the days of the week, a day-number indicator for the numbers of the days of the month, a month-name indicator for the names of the months, and a year indicator for the numbers of the years, and a common operating device comprising a gear permanently meshing with the teeth of the day-name indicator, an axially movable gear displaceable to engage the teeth of any one of the other indicators, means coupling the gears together, and means for rotating them.

2,435,070
TEMPERATURE INDICATOR CONTROL CIRCUIT
Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 5, 1945, Serial No. 571,495
2 Claims. (Cl. 73—350)



1. In combination, a liquid-immersed electromagnetic induction apparatus, a thermometer which reads the temperature near the top of the immersing liquid, a current transformer having a primary winding connected to carry the current of said apparatus, means including a secondary winding on said current transformer for supplying local heat to said thermometer in proportion to the current in said apparatus in order to cause said thermometer to indicate the hot-spot temperature of said apparatus, a tertiary winding on

said transformer for exciting it during a simulated heat run on said apparatus so as to check the hot-spot temperature setting of said thermometer, and means for selectively short circuiting said tertiary winding, said tertiary winding and its short circuiting connections having a substantially lower equivalent per unit impedance than said secondary winding and its load whereby the short circuiting of said tertiary winding reduces the heat produced by said means including said secondary winding to a negligible value.

2,435,071

AMIDES OF CYCLIC SULFONES

Theodore W. Evans, Oakland, Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 19, 1943, Serial No. 495,377

7. An amide of a sulfolanylamine and a carboxylic acid, wherein the amide nitrogen atom is directly attached to the acyl radical of said acid and to a nuclear carbon atom in said sulfolanylamine.

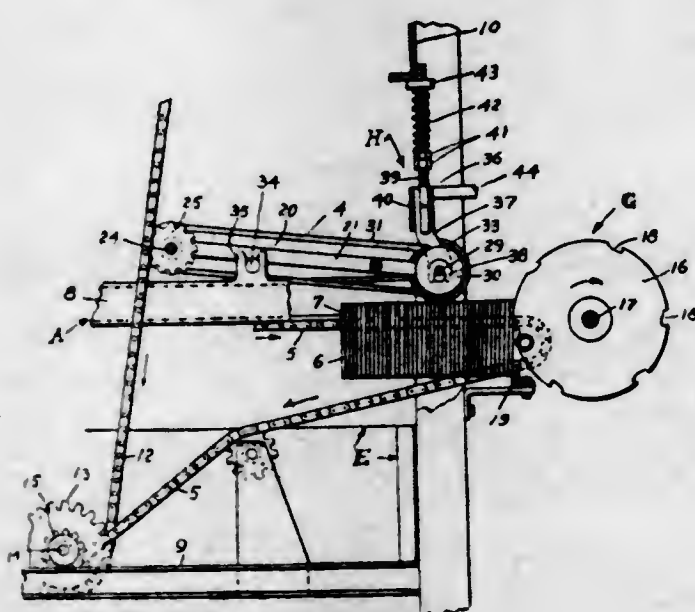
2,435,072

PUSHER ATTACHMENT FOR CONVEYORS

Carl L. Feldtkeller, Milwaukee, Wis., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware

Original application October 16, 1943, Serial No. 506,590. Divided and this application June 19, 1944, Serial No. 541,014

5 Claims. (Cl. 198—35)



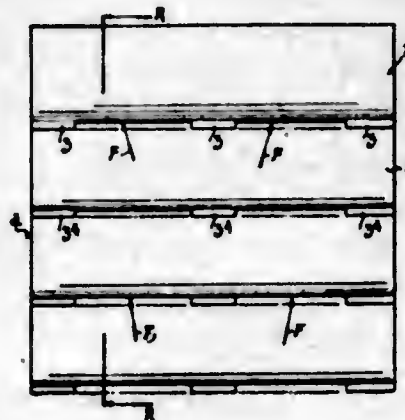
1. The combination with a plurality of conveyors having delivery ends, a frame assembly supporting the conveyors, and transfer means for removing articles from the delivery ends of the conveyors, of a device including a carrier frame adapted to be removably mounted on the conveyor frame assembly and positionable over any one of the conveyors, a power driven roller carried by the carrier frame adapted to rotate in contact with articles traveling along the conveyor over which the carrier frame is positioned and to urge said articles toward and into operative relationship with the transfer means, the said carrier frame including trunnions, the conveyor frame assembly having notches to receive said trunnions to swingably support the carrier frame over any selected conveyor, and a pressure device carried by the carrier frame for releasable engagement with the conveyor frame assembly and operative to yieldably urge the roller in a downward direction.

2,435,073

COLLAPSIBLE AWNING

Jorge Teofilo Freeman, Buenos Aires, Argentina Application February 13, 1945, Serial No. 577,647 In Argentina December 29, 1944

4 Claims. (Cl. 160—62)



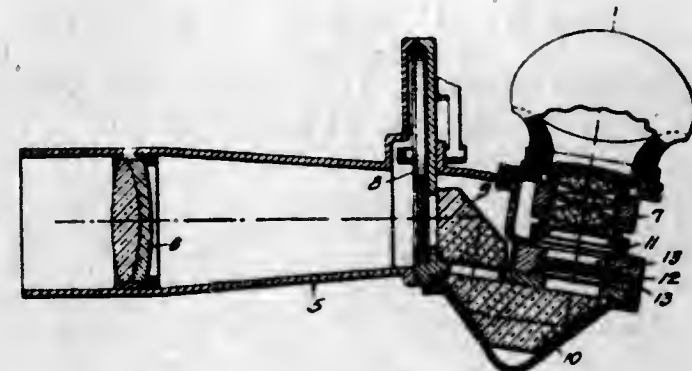
1. A collapsible awning comprising a supporting frame; two rail members forming part of said supporting frame; and a plurality of removable awning units each comprising a flat substantially sheet shaped awning member of rigid material, at least two supporting members extending downwardly from the lower surface of said awning member and adapted to engage and to slide upon said rail members of said supporting frame; at least one connecting projection extending downwardly from the lower surface of said awning member and adapted to freely slide on the upper surface of an adjacent awning member, and at least one connecting projection extending upwardly from the upper surface of said awning member and adapted to freely slide on the lower surface of an adjacent awning member and to engage said downwardly extending connecting projection on the same.

2,435,074

CONTRAST MEASURING DEVICE

Glenn A. Fry, Columbus, Ohio, assignor to the United States of America, as represented by the Secretary of War

Application June 20, 1945, Serial No. 600,515 3 Claims. (Cl. 88—23)

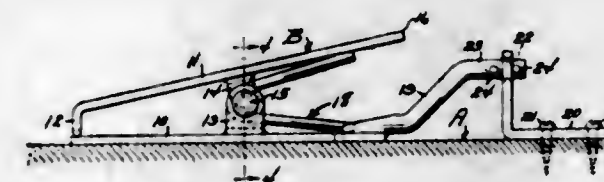


1. In a telescope having an eye lens and an objective collectively defining an optical axis, a transparent disc mounted in the focal plane of said eye lens with its center on said axis and through which a remote object is viewable when looking into said eye lens, said disc having outlined thereon a plurality of discrete areas regularly spaced about the circumference of a circle having its center at the center of said disc, said areas, beginning with a predetermined one, being of successively increasing density, all of said areas being viewable in the field of view of said telescope simultaneously with said remote object.

2,435,075

FISH SCALING CLAMP

George Gould, Madison, S. Dak.; Minnie B. Gould, administratrix of said George Gould, deceased Application May 16, 1944, Serial No. 535,847 1 Claim. (Cl. 17—8)



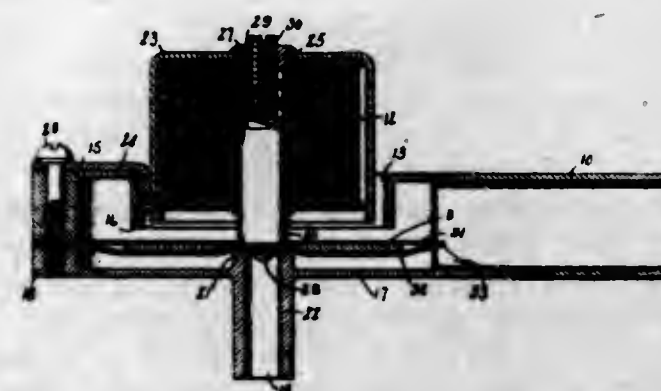
A holder of the kind described, comprising a jawed, spring tensioned clamp having a flat blade-like member forming one of the jaws of the clamp, a crooked stem extending from said clamp, said crooked stem comprising upper and lower horizontally disposed portions interconnected by a downwardly inclined portion, said lower portion being connected with said blade-like member, a fixed bracket having an outstanding swiveled connection with said upper horizontally disposed portion of the crooked stem, and cross-pins in said upper portion fore and aft of said swiveled connection for loosely coupling said stem to said fixed bracket.

2,435,076

ELECTRICALLY ACTUATED VALVE

Chester I. Hall, Vischer's Ferry, N. Y., assignor to General Electric Company, a corporation of New York

Application April 25, 1944, Serial No. 532,677 4 Claims. (Cl. 137—139)

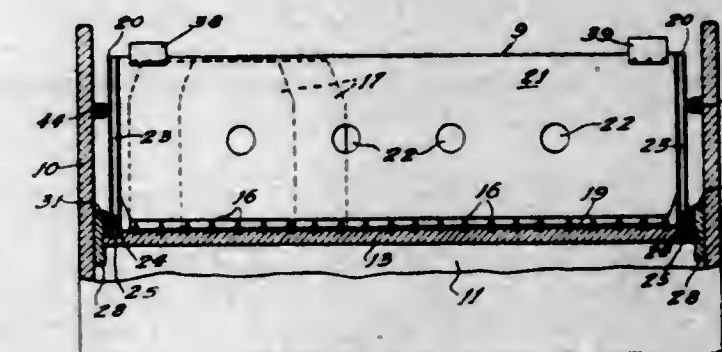


1. An electromagnetically operated valve comprising walls forming a duct and a chamber connected to one end of said duct, said chamber being formed by an end wall joining substantially parallel walls provided each with an opening and said openings being oppositely disposed and relatively large and small with respect to each other, a magnet coil, supporting means for securing said magnet coil in said large opening, said magnet coil being substantially smaller than said large opening thereby to leave a space between it and the wall of said large opening, an armature for said magnet coil, a diaphragm between said parallel walls, a connection between said diaphragm and said armature for movement of said diaphragm by energization of said magnet coil to close one of said openings, means for biasing said armature to an unattracted position in which said diaphragm closes the other of said openings, and a fluid tight connection between the periphery of said diaphragm and said end wall so that said diaphragm divides said chamber into two parts with a portion of said diaphragm extending edge-wise across said duct to connect said duct with both parts of said chamber.

2,435,077

RECORD FILING DEVICE

Marchand B. Hall and Sylvan K. Ketterman, Chicago, Ill., assignors to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware Application August 28, 1944, Serial No. 551,491 7 Claims. (Cl. 129—16)



1. A record filing device of the class described comprising a cabinet having a base formed with a pair of upwardly opening channels extending longitudinally thereof adjacent the sides of the cabinet, and a separator extending transversely of said cabinet, said separator comprising a pair of side rails each bifurcated at their lower ends to define a pair of legs, one of the legs being adapted to pivotally support the separator on said cabinet base and the other of said legs being flexible in a direction transversely of the cabinet and adapted to extend freely within said channel, a locking rail, and means on said flexible leg engageable with said locking rail for retaining said separator in yieldable engagement thereby.

2,435,078

REARRANGEMENT OF UNSATURATED ALIPHATIC ALCOHOLS

George W. Hearne, El Cerrito, and Donald S. La France, Richmond, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 12, 1945, Serial No. 577,596 8 Claims. (Cl. 260—642)

1. A process for effecting the rearrangement of methyl vinyl carbinol to crotyl alcohol, and for the recovery of the latter, which comprises maintaining an aqueous sulfuric acid solution in a reaction zone at a concentration of about 1% and at about its atmospheric boiling temperature, continuously introducing an aqueous solution of methyl vinyl carbinol into the heated acid solution, maintaining said methyl vinyl carbinol in contact with said heated acid solution for a period of time sufficient to effect the rearrangement of a part of the methyl vinyl carbinol to crotyl alcohol, continuously withdrawing from the reaction zone a portion of the aqueous acid solution together with the alcohols present therein, continuously subjecting said withdrawn mixture to flash distillation to remove as an overhead fraction the water azeotropes of the crotyl alcohol and of the unreacted methyl vinyl carbinol present in said mixture, continuously separating the crotyl alcohol from said overhead fraction, and continuously returning the unreacted methyl vinyl carbinol into the reaction zone and into contact with the heated aqueous acid solution therein for the rearrangement of additional amounts thereof to crotyl alcohol.

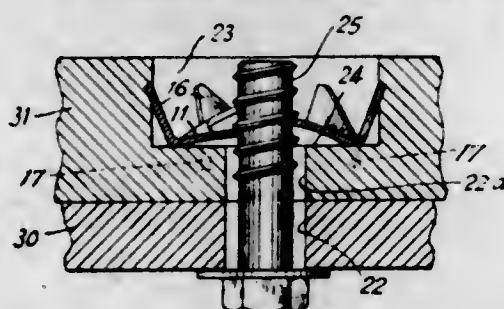
2,435,079

FASTENING DEVICE

James Rowland Hotchkin, Short Hills, N. J., assignor to The Palnut Company, Irvington, N. J., a corporation of New Jersey

Application July 24, 1945, Serial No. 606,848

7 Claims. (Cl. 85—36)



1. In combination with a member having a counterbored and shouldered bolt-hole, a threaded nut positioned in the counterbore and against the shoulder, said nut comprising: a sheet metal base provided with a substantially central aperture the edge of which is adapted to engage the threads of a bolt, said base having an uninterrupted annular zone of sufficient radial width to afford resistance to radial expanding strain upon said nut, prongs extending downwardly from said base and embedded in the shoulder portion of said member, and prongs extending upwardly and outwardly from said base and engaging the wall of the counterbore.

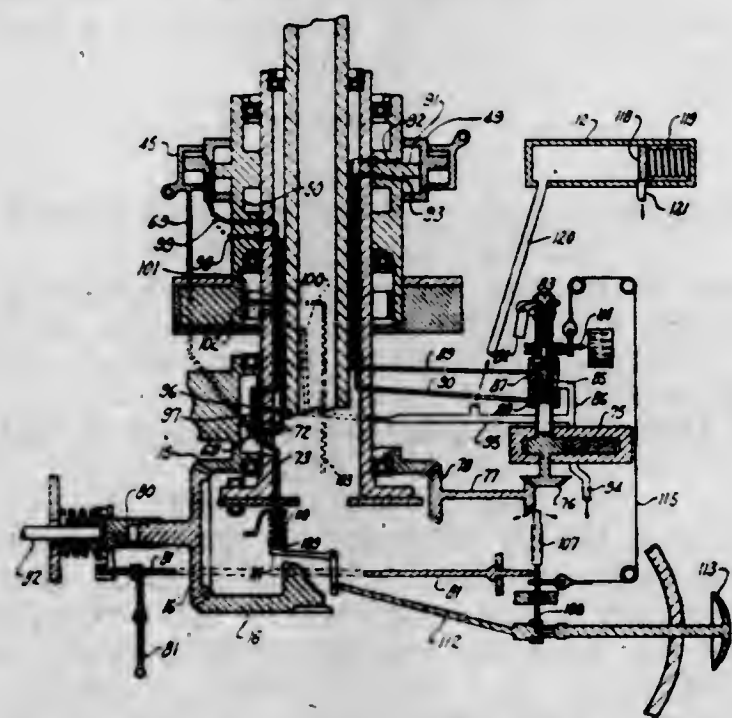
2,435,080

HELICOPTER ROTOR CONTROL

Walter S. Hoover, South Newfane, Vt.

Application January 5, 1945, Serial No. 571,439

9 Claims. (Cl. 244—17)



1. In a helicopter, a rotary wing mounted for angular movement about its own axis and for rotation on a vertical rotor axis, a driving engine for said rotary wing, a rotary cam adapted for transverse movement on said rotor axis and for tilting movement transversely of said rotor axis, a rod connecting the rotary wing and cam to vary the pitch of said wing in accordance with the axial and tilting position of said cam, hydraulic actuating means for varying the tilt of the cam during rotary movement of said wing, and hydraulic actuating means for varying the axial position of said cam during rotation of said wing. A manual control for directing pressure fluid to said first-named means and means operative in response to the forward velocity of the aircraft for controlling said first-named actuating means independently of said manual control and a governor valve controlling said second-named means in response to variations in the engine speed.

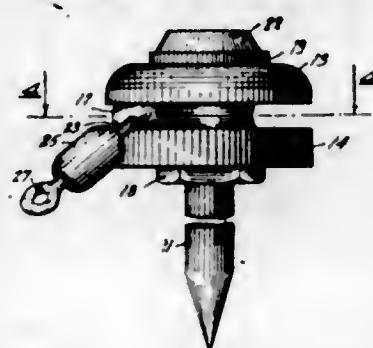
2,435,081

COUPLING DEVICE

Herman Gordon Howard, Denver, Colo.

Application February 8, 1946, Serial No. 646,404

1 Claim. (Cl. 119—121)



A coupling device for tethering an animal comprising an upper and lower race plate constructed and arranged to provide a race therebetween and an opening for access to said race, each race plate being provided with a central opening, a ball in said race, a swivel element passing through said opening and attached to said ball, said swivel element being adapted to swivel in said ball, a bushing extending through the central openings of the race plates, said bushing having a flange on the upper end thereof and screw threads on the lower end, a nut threaded on said screw threads to hold the race plates in assembled relationship between said flange and nut, and a pin element through said bushing for affixing the coupling device to a supporting surface.

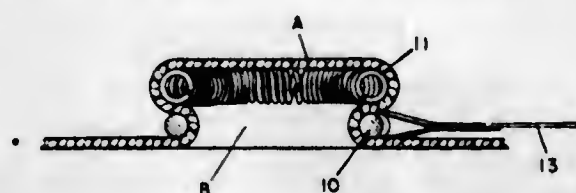
2,435,082

GRIPPING DEVICE FOR BED CLOTHING

Otmar A. Huber, Oroville, Calif.

Application October 25, 1945, Serial No. 624,406

1 Claim. (Cl. 24—245)



In an anchoring device for sheet material, the combination, which comprises, a rigid ring having an offset providing means for attaching a supporting element, and a resilient ring the pitch diameter of which in its free position is greater than that of the rigid ring, said resilient ring comprising an endless wire coil providing a continuous spring-like element adapted to be contracted to provide two substantially parallel coils connected at the ends whereby the said resilient ring may be inserted through the rigid ring and expanded into a bulge of the said sheet material positioned through said rigid ring.

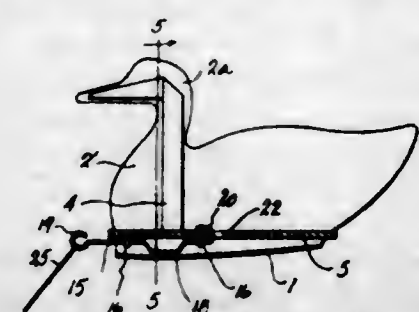
2,435,083

DECOY

William R. Johnson, Seattle, Wash.

Application December 16, 1944, Serial No. 568,444

8 Claims. (Cl. 43—3)



1. A decoy of the character described comprising a decoy body, open at its ends and having

spaced opposite side walls joined together at their upper edges and a bottom wall connecting the side walls at their lower edges, a float disposed within the body for its functional support in water and wedged between the side walls and means for retaining the bottom wall spaced from the float to provide a water ballast retaining pocket between them.

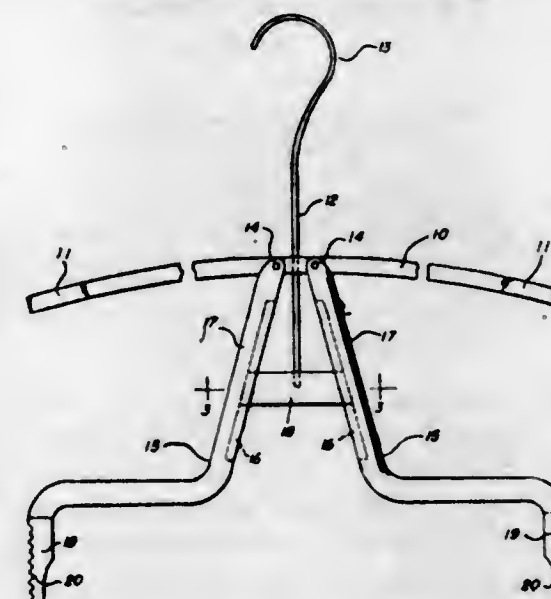
2,435,084

GARMENT HANGER

John S. Johnston, Trenton, N. J.

Application September 4, 1945, Serial No. 614,190

1 Claim. (Cl. 223—94)



A hanger of the kind described consisting of an arched bar terminating in outwardly tapered portions adapted to support a coat-like garment and having an opening intermediate said portions, a suspension hook, a shank depending therefrom and slidable through said opening, a spreader runner secured to said shank, said runner consisting of a member extending transversely of said shank and having terminal portions tapered toward said shank, a pair of dependent arms pivoted to said bar at opposite sides of said shank and spaced apart from each other a predetermined distance substantially less than the overall length of said spreader runner, opposed guideways in said dependent arms receiving said tapered terminal portions of said spreader runner whereby relative movement between said runner and said bar will cause said dependent arms to be swung relative to each other, grip portions terminating said dependent arms and adapted to support a trouser-like garment whereby weight of said garment will cause self-adjustment of said dependent arms.

2,435,085

PULLEY ALIGNER

George E. Judd, Fort Myers, Fla.

Application April 18, 1945, Serial No. 589,073

3 Claims. (Cl. 33—180)



2. In a pulley aligning device, the combination of, end rods and intermediate rods aligned axially and threadedly connected together, indicia means carried by contiguous ends of said rods for determining the degree of relative rotation therebetween, means rotatably associated with said intermediate rods for moving them axially of one another, means carried by said rotatable means operatively associated with indicia means on associated ends of said intermediate rods to facilitate the determination of the degree of relative rotation.

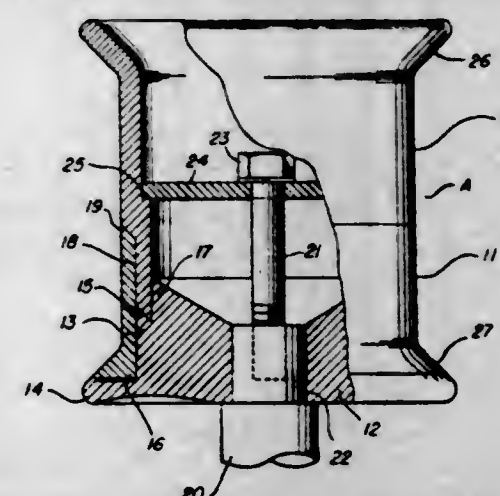
2,435,086

CATHEAD WITH REPLACEABLE SLEEVE

Robert Lack, Bakersfield, Calif.

Application April 24, 1945, Serial No. 590,042

1 Claim. (Cl. 242—117)



A cat-head of the kind described, comprising separably interfitted replacement sleeve sections, an end head detachably supporting said sleeves, an annular internal shoulder formed in one of said sleeve sections, a clamping disk seated on said shoulder means engaging said disk at the center thereof for detachably clamping the sleeves and end head interfitted with each other, a spindle carrying the end head and detachably connected with said first named means, and a hub on the end head and having interfitting connection with the said sleeves by means of a circumferential dovetail seat at the upper marginal edge thereof, and the complementary shaped marginal edge of one of said sections.

2,435,087

PROCESS FOR THE SEPARATION OF MIXTURES OF ALKYL PHENOLS THROUGH SELECTIVE ALKYLATION

Daniel B. Luten, Jr., and Aldo De Benedictis, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 19, 1943,

Serial No. 479,818

10 Claims. (Cl. 260—621)

1. The process of producing a 2,4-dimethyl-6-alkyl substituted phenol of high anti-oxidant power from a mixture of 2,4- and 2,5-dimethyl phenols, comprising alkylating the mixture with an alkylating compound in an amount approximately equal to one mol of alkylating compound per mol of 2,4-dimethyl phenol contained in the mixture, and fractionally distilling the reaction product to produce a residue comprising predominantly the 2,4-dimethyl-6-alkyl phenol and being substantially free from 2,5-dimethyl phenols.

2,435,088

METHOD OF PRODUCING HOISTING SLINGS

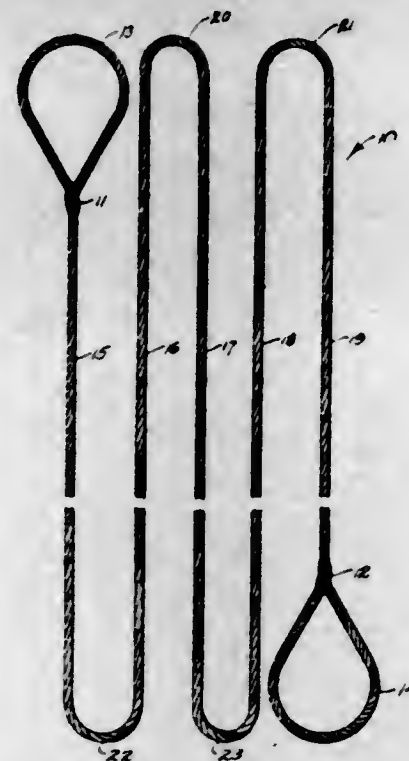
Antonio Mazzella, New Haven, Conn.

Application March 11, 1947, Serial No. 733,972

1 Claim. (Cl. 87—8)

The method of constructing a hoisting sling, consisting of primarily forming a three twist

flexible cable, forming primary eyes on the opposite ends of said cable, folding the cable to form five members of equal length, pinching the loops at the ends of the members to conform with the eyes on the cable, placing said loop in registry

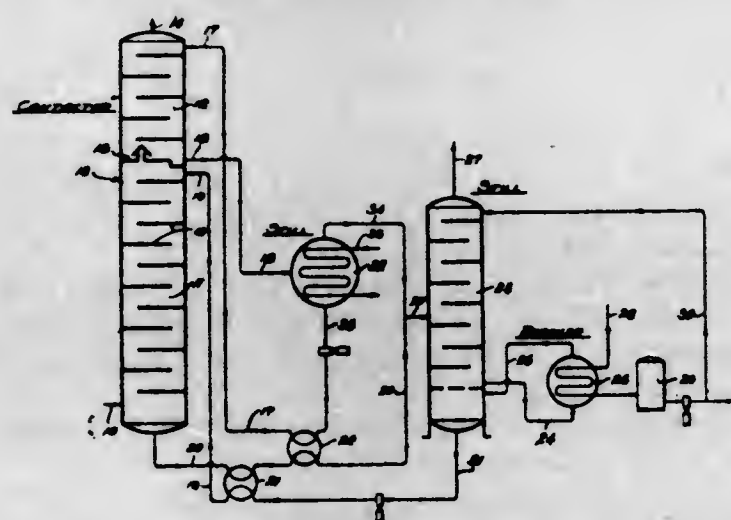


with said eyes, and braiding said members to form a five braid sling, securing said loops and said eyes in fixed relation to each other by a thimble and then wrapping the sling with suitable material below the extremity of said loops and eyes.

2,435,089

GAS PURIFICATION AND DEHYDRATION PROCESS

Edward R. McCartney, Altadena, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application February 9, 1946, Serial No. 646,663
9 Claims. (Cl. 23-2)



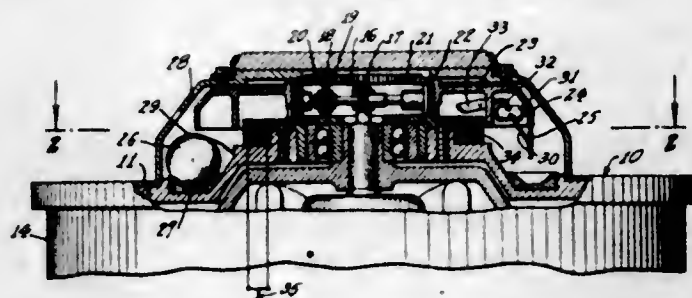
9. The process of treating a gaseous mixture for the removal of moisture and an acidic compound, that includes passing the gas upwardly through a lower section of a vertically extended contacting zone in intimate admixture with a liquid amine absorbent under conditions resulting in partial vaporization of the amine, then passing the gas upwardly through an upper section of said contacting zone in intimate admixture with a liquid higher boiling glycol absorbent in which is absorbed moisture and the vaporized amine, passing the spent amine absorbent from said lower section through a first heating zone to regenerate the amine absorbent by vaporization of the absorbed acidic compound, separately passing the spent glycol absorbent from said upper section through a second heating zone to regenerate the glycol absorbent by vaporizing moisture and amine therefrom, refluxing vapors lib-

erated in said second heating zone with an aqueous reflux stream, contacting the vapors from said second heating zone with said reflux stream to condense the amine contained in the vapors, and contacting gas to be treated successively with the regenerated amine and glycol absorbents in said sections of the contacting zone.

2,435,090

ERECTOR SYSTEM FOR GYROSCOPES

Stephen A. McClellan, Glen Cove, N. Y., assignor to Specialties, Inc., Locust Valley, N. Y., a corporation of New York
Application August 9, 1944, Serial No. 548,750
2 Claims. (Cl. 74-5)

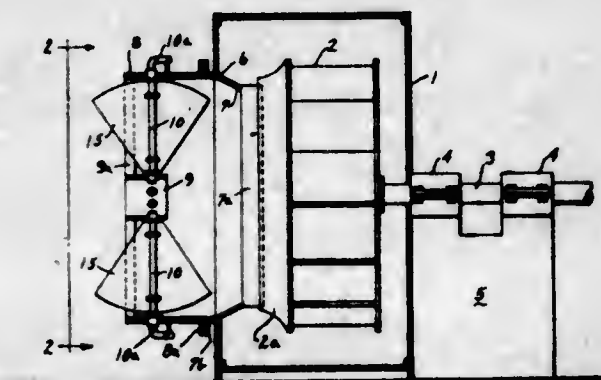


1. In an erector system for a vertical axis gyroscope having a casing, the combination of a relatively stationary circular track on said casing concentric with said gyroscope axis, three balls on said track, a head on said casing having a depending flange extending over said balls to confine them against vertical movement, a plurality of pins depending from said flange into the path of said balls and spaced 60° apart, said balls being positioned between alternate pairs of said pins for angular freedom on said track of approximately 60°, and mechanism for driving said head about the axis of said gyroscope at a relatively slow rate to thereby drive said balls around said track at that rate, together with locking means for holding said balls in equally spaced relation comprising three pivoted arms gravity-biased to move into the path of the balls under the influence of gravity, said arms being arranged automatically to move aside to permit passage of the balls in the one direction and means for retracting said arms to leave the balls free.

2,435,091

INLET VANE CONTROL APPARATUS USING LEVERS

Harry A. Meyer, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application November 1, 1944, Serial No. 561,407
11 Claims. (Cl. 230-114)



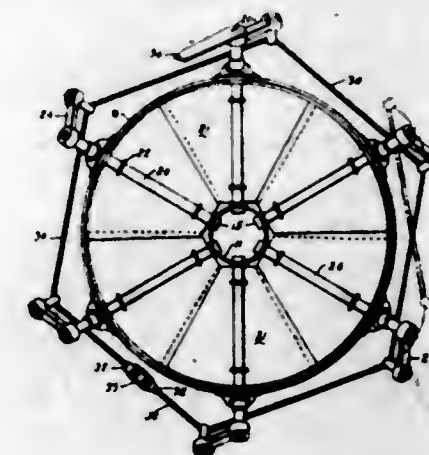
1. In a vane control, a ring, a plurality of rods pivoted on respective, circumferentially spaced axes radial of said ring, a vane secured to pivot with each of said rods from a first position substantially in the plane of said ring, to a second position substantially normal to said plane, a lever arm on each rod at one end thereof, and

flexible cord means connecting the end of each arm with the adjacent arms whereby all rods may be simultaneously actuated between said positions.

2,435,092

INLET VANE CONTROL APPARATUS WITH VANES SET AT AN ANGLE

Harry A. Meyer, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application November 1, 1944, Serial No. 561,408
6 Claims. (Cl. 230-114)

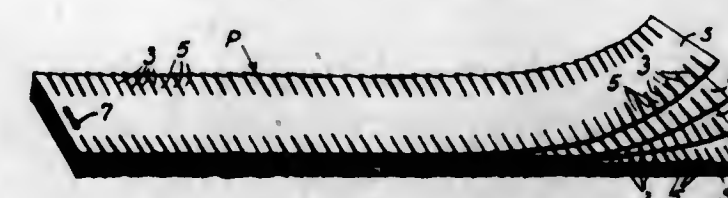


1. In a vane control system, an open frame defining a plane and having a central axis normal to said plane, a plurality of vanes, means pivotally mounting said vanes in said frame on angularly-related axes each lying in a plane through said central axis, each vane axis being inclined at the same acute angle to the plane of said frame, said vanes in one position of pivotal adjustment co-acting substantially to close the opening in said frame, an arm fixed to each vane radially of its axis, and flexible cable means connecting the free ends of said arms whereby to connect the vanes for movement in unison throughout their range of adjustment.

2,435,093

ELECTRICAL INSULATION

Melville F. Mitschrich, St. Louis, Mo.
Application December 7, 1946, Serial No. 714,851
12 Claims. (Cl. 174-138)



1. A coll-insulating wrapper comprising a multi-ply band of insulating strips, said strips being anchored together at a local point and being marginally slitted, the slits in each layer being staggered with respect to the slits in an adjacent layer.

2,435,094

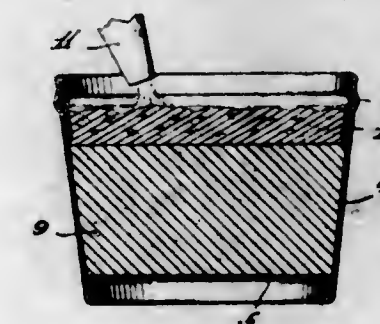
PACKAGED SUNDÆ

Frank T. Moser, Hartford, Conn.
Application February 20, 1945, Serial No. 578,895
1 Claim. (Cl. 99-137)

The method of preparing a packaged sundæ which comprises partially filling a dish having a permanently closed bottom and a tight-fitting removable cover with a partially congealed ice cream mixture, pouring over the mixture a layer

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of relatively heavy syrup, fitting the cover closely over the layer of syrup, inverting the dish and

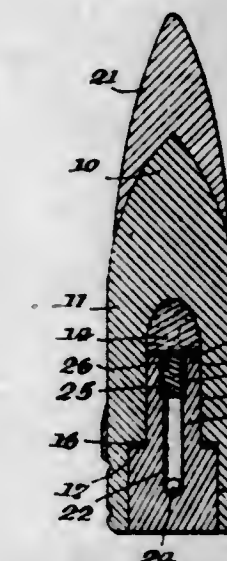


completing the congelation of the mixture while said container is inverted.

2,435,095

PROJECTILE

Harry J. Nichols, New York, N. Y.
Application June 24, 1942, Serial No. 448,291
9 Claims. (Cl. 102-52)



1. An explosive armor-piercing projectile comprising, in combination, a pointed head portion adapted to pierce armor and a body portion integral therewith having an axial bore and comprising a non-shattering explosive chamber, a high explosive driving charge loaded in said chamber, a rearwardly ejectable base closure member mounted slidable in said bore and adapted to utilize by rearward movement part of the explosive force of said driving charge, and means for detonating said driving charge with relation to the degree of impact of the projectile with armor, thereby to augment the forward momentum of said head and body during the penetration of armor.

2,435,096

CONTAINER

John A. Peterson, Los Angeles, Calif.
Application November 15, 1945, Serial No. 628,934
1 Claim. (Cl. 299-24)

A container for enclosing chemicals detrimental to insects injurious to clothing and adapted to be inserted therebetween, said container comprising an elongated cylindrical tube having open ends, a plurality of ribs extending lengthwise of said tube and spaced equally and circumferentially thereabout, the portions of said tube between said ribs being perforated for the escape of vapor from the chemicals within said container, said ribs adapted to hold the clothing spaced from said perforated portions thereby providing for circulation of said vapor externally

of the container, removable plugs closing the ends of said container for retaining therein the con-

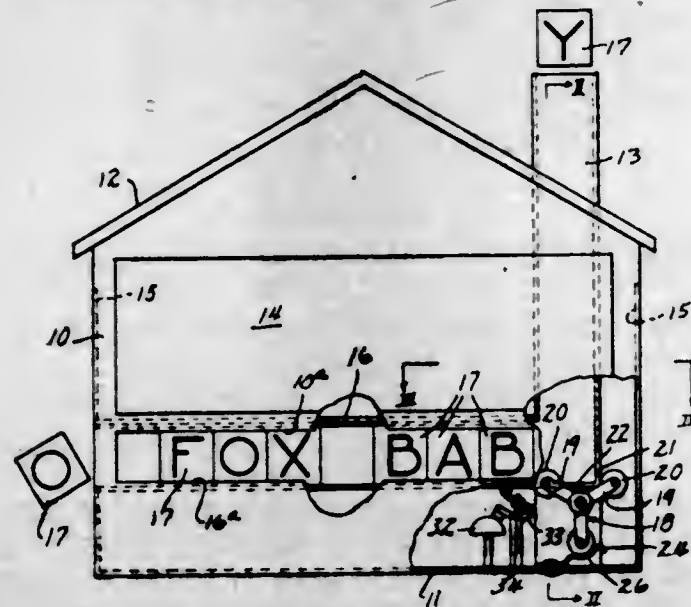


tents thereof, means attached to one of said plugs and adapted to suspend said container.

2,435,097

EDUCATIONAL DEVICE

George R. Phillips, Birmingham, Ala.
Application May 9, 1946, Serial No. 668,523
5 Claims. (Cl. 35-73)



1. In an educational device of the character described, a plurality of blocks some of which bear printed characters, a vertical chute adapted to receive the blocks one at a time and in which the blocks fit, a horizontal chute having an open slot along its front side and joined at one end to the lower end of the vertical chute, and a manually operable rotary member having radially projecting arms thereon disposed at the lower end of the vertical chute and adapted to engage the blocks one at a time and propel them horizontally along the horizontal chute.

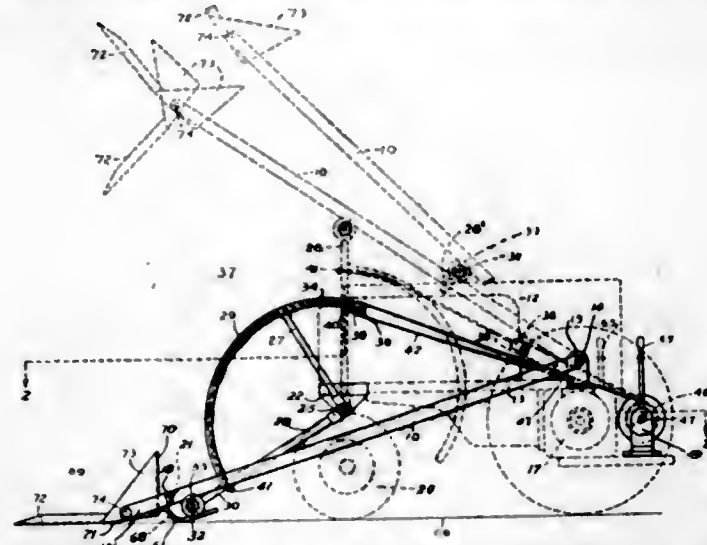
2,435,098

MATERIAL MOVING MECHANISM

Stephen S. Pokorny, Rutland, Iowa, assignor of one-half to Herman Luebbers, Fort Dodge, Iowa
Application November 9, 1945, Serial No. 627,600
5 Claims. (Cl. 214-140)

1. A material moving mechanism comprising a tractor having a power-take-off-shaft arranged to be rotated by the engine of the tractor; a trunnion plate secured at each side of and to the forward end of said tractor; a jack-shaft rotatably carried by said plates; a sector at each side of said tractor secured to the ends of said jack-shaft adjacent the junction of their radii for unitary vertical swinging movements, the arcs of

said sectors being each provided with a channel; an arm at each side of the tractor having ends pivotally attached to the rear end of said tractor, the other ends of said arms being normally disposed forwardly of the tractor and said sectors; a scoop disposed between said forward ends of the arms; detents secured to the arms adjacent said forward ends; a cable disposed in each channel, ends of said cables being secured to the forward ends of said sectors; two sheave-blocks, the other ends of said cables being attached to said blocks respectively; a flexible strand reeved over the sheave of each block having ends se-

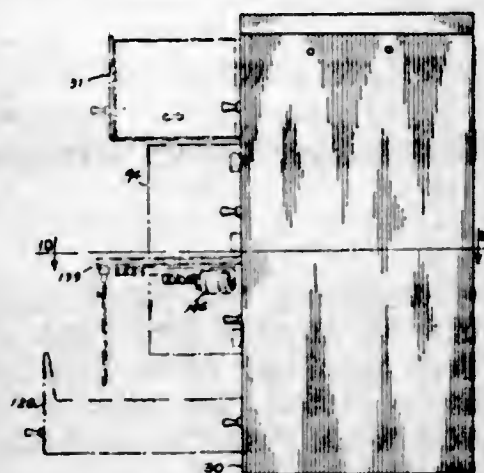


cured to the rear end of said tractor; a spool-shaft rotatably disposed transversely at the rear end of said tractor and having a spool at each of its ends; the other ends of said flexible strands being respectively secured to a spool; a roller pivotally attached to the forward end of each sector; said rollers being arranged to abut said detents for preventing said arms from becoming lowered unduly, said rollers being disposed against said arms for elevating the forward ends thereof at times when said sectors are swung; and means for causing the said power-take-off-shaft of the tractor to rotate said spool-shaft for causing said scoop to become elevated.

2,435,099

DOCUMENT CAMERA AND PRINTER

Verneur E. Pratt and George F. Gray, Norwalk, Conn.; said Gray assignor to said Pratt
Application October 28, 1943, Serial No. 507,939
12 Claims. (Cl. 88-24)



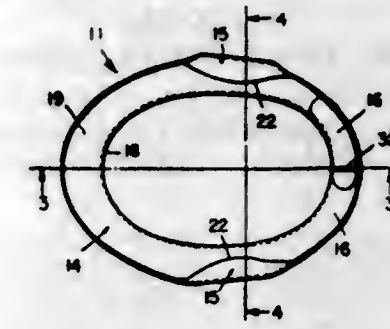
1. In a device of the character described, a vertical cabinet, a plurality of sets of spaced supports or slides disposed at several different levels within said cabinet, openings formed in said cabinet at said levels, a camera unit supported on one of said sets and adapted to be slidably moved from a normal position inside the cabinet via the opening at the level of said last set to a position accessible to an operator, a panel rigidly mounted on said unit, movable therewith and adapted to form the external closure for said last mentioned opening when said camera is slid to

said normal position, said camera having its optical axis extending downwardly within the cabinet when the camera is in said normal position, and a platen unit slidably carried on another of said sets below said camera, said platen unit being adapted to move documents across said optical axis.

2,435,100

FACE AND EAR SHIELD

Minnie V. Rasmussen, Los Angeles, Calif.
Application June 7, 1947, Serial No. 753,292
4 Claims. (Cl. 2-174)

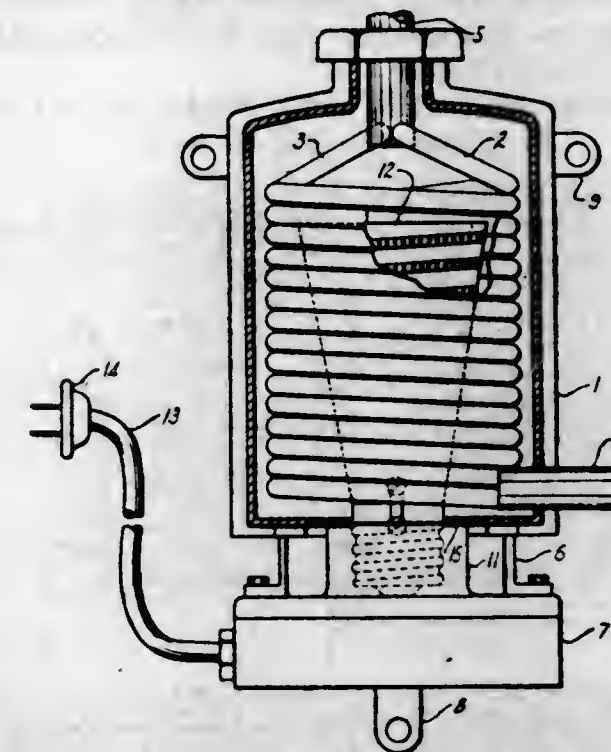


4. A shield adapted to be worn about the head comprising a band-like body formed of flexible, semi-stiff, paper-like material, said body terminating in a pair of curved straps adapted to be secured by a fastener or the like in adjusted overlapping relation behind the neck or head of the wearer, said body having a centrally disposed elongated curved forehead section adapted to extend around the forehead of the wearer and upwardly and outwardly thereof, and a pair of ear sections positioned between the forehead section and the respective straps, said ear sections each being of greater lateral extent than the remainder of said body and being shaped to provide a lower portion inclined upwardly and outwardly from its lower margin and an upper inwardly overhanging portion inclined downwardly and outwardly from its upper margin to join said lower portion whereby an ear receiving recess is formed.

2,435,101

INTERNAL-COMBUSTION ENGINE HEATER

Henry Milton Reich, Pittsburgh, Pa.
Application March 26, 1946, Serial No. 657,226
1 Claim. (Cl. 219-38)



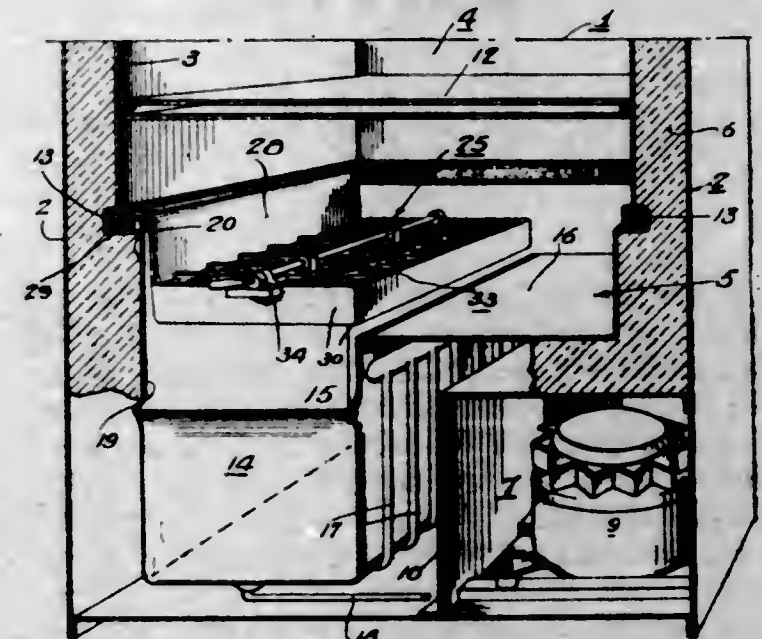
In a water heater for automobile engines, a housing adapted to be mounted on a wall of the engine, a heating coil disposed within the housing having an outlet connection extending through the top of the housing and an inlet connection adjacent the bottom of the housing for connec-

tion with the circulating fluid of the engine, a heating element of inverted frusto-conical shape disposed within the coil to accelerate the circulation of fluid from the bottom to the top of the coil, said housing having a screened opening at the bottom thereof, said coil being connected with the rear of the engine cooling system at one end thereof and adjacent the crank case of the engine at the other end of the coil intermediate said first-named connection and the cooling fluid pump.

2,435,102

REMOVABLE SECONDARY COOLING UNIT FOR REFRIGERATOR EVAPORATORS

Theodore W. Rundell, Abington, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 28, 1944, Serial No. 528,433
5 Claims. (Cl. 62-125)

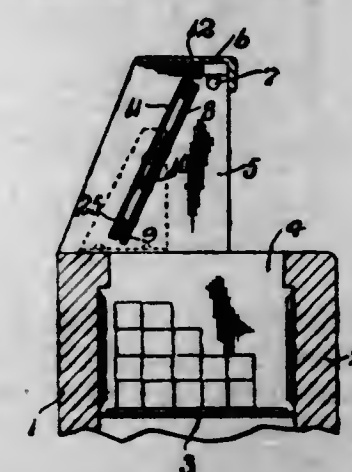


1. A refrigerating apparatus including a refrigerated compartment, a main evaporator for cooling said compartment, and a container for liquids having integral therewith a closed secondary refrigerant circuit including an evaporator portion and a condenser portion, said condenser portion being normally disposed in heat exchange relation with said main evaporator, and means for adjusting the degree of heat exchange between the secondary condenser and said main evaporator.

2,435,103

CABINET WITH COMBINED COVER AND SWINGABLE MIRROR

Clifford B. Shreve, Niles, Mich., assignor to Tyler Fixture Corporation, Niles, Mich., a corporation of Michigan
Application March 18, 1946, Serial No. 655,257
7 Claims. (Cl. 312-189)



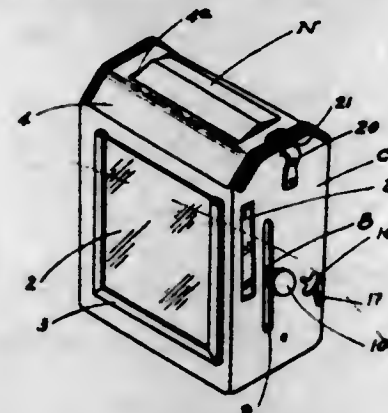
1. A display cabinet having an open top, a vertical support mounted at each end of the top of the cabinet, a backing member having a mirror

on one face thereof mounted on and between said supports to turn about a horizontal axis, and a top cover member hingedly mounted adjacent one edge to said backing member adjacent an edge thereof, whereby the mirror backing member and said cover member may be located in parallel relation to each other and turned to position the mirror facing forwardly above said open top, or in another position to locate said cover member horizontally over the open top.

2,435,104

NAPKIN HOLDER

Joseph H. Solomon, Columbia, Pa.
Application January 9, 1946, Serial No. 640,059
3 Claims. (Cl. 312-61)

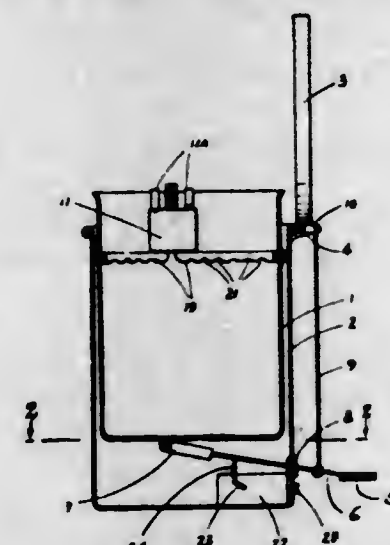


1. A holder for paper napkins and the like of the type comprising a container for a stack of folded napkins, a withdrawal opening in a wall of the container and means for urging said stack toward the withdrawal opening, said means comprising a follower located within the container, a spring for urging the follower into engagement with an end of the stack, a plate movably mounted within said container for supporting said spring, a pair of racks secured to the opposite walls of said container disposed approximately perpendicular to said withdrawal opening, sprockets rotatably mounted on said plate adapted to engage said racks, means for rotating said sprockets to cause them to travel along said racks and locking means for holding said plate in its various positions of adjustment along said racks.

2,435,105

WASTE RECEPTACLE

Joseph H. Solomon, Columbia, Pa.
Application January 14, 1946, Serial No. 641,061
3 Claims. (Cl. 220-87)



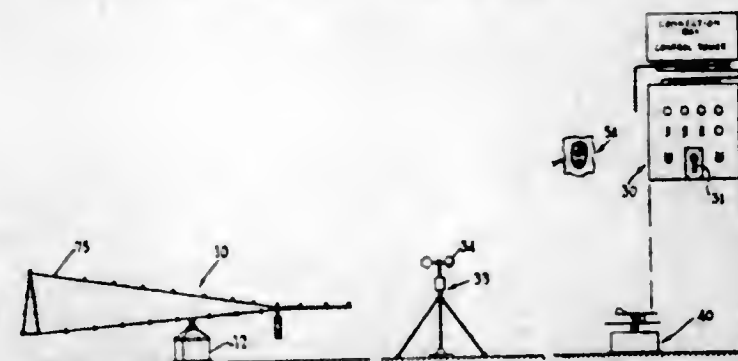
1. A waste receptacle comprising an outer can, an inner can enclosed by and slidable within the outer can, a common lid for the open upper ends of said cans, a hinged connection of the lid to the outer can to permit swinging of the lid to open and closed positions with respect to the cans, a lever secured to the lid and disposed in a plane transverse to the axis of the hinged connection, an operating rod for said lid extending through

an opening in the wall of the outer can adjacent its lower end, a resilient bushing mounted in the opening, encircling the rod and sealing the opening in said wall, said rod being solely longitudinally rockingly supported within the bushing and having its inner end located below the bottom of the inner can and having its outer end formed to provide a treadle and a link extending between and pivotally connected to the rod and said lever, whereby depression of the treadle causes simultaneous opening of the lid and upward projection of the inner can.

2,435,106

TRAFFIC DIRECTION INDICATOR

William E. Stilwell, Jr., Cincinnati, Ohio
Application November 19, 1943, Serial No. 510,997
18 Claims. (Cl. 73-189)

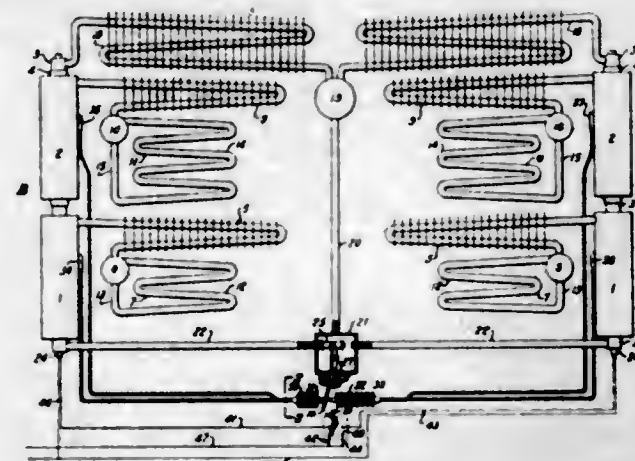


17. In combination, a direction indicator mounted for rotation; motor means for changing the directional position of said indicator; variable slip clutch means interposed between said motor means and said direction indicator; manually settable means for varying the slip of said clutch means; means controlled by said direction indicator for varying the slip of said clutch means; means for remotely controlling the operation of said direction indicator motor means; and anemometer controlled means for disconnecting said indicator motor means with respect to said direction indicator under condition of predetermined range of wind velocity.

2,435,107

TWO TEMPERATURE INTERMITTENT TYPE ABSORPTION REFRIGERATOR

Otis B. Sutton, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 3, 1943, Serial No. 477,829
17 Claims. (Cl. 62-5)



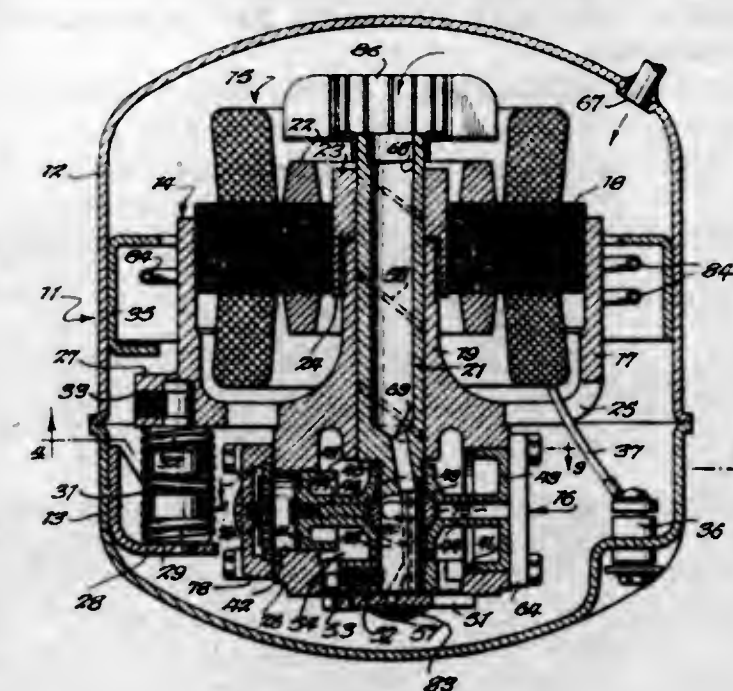
1. Refrigerating apparatus comprising a plurality of refrigerating units each including a refrigerating part and a heat rejecting part so related to said refrigerating part that the temperature of said refrigerating part is a function of the temperature of said heat rejecting part, each of said refrigerating parts being arranged to refrigerate a space distinct from that refrigerated by the remainder of said refrigerating parts, and

means constructed and arranged to maintain a differential between the temperatures of said heat rejecting parts whereby to maintain a temperature differential between said refrigerating parts.

2,435,108

REFRIGERATION COMPRESSOR

Jens Touborg, Tecumseh, Mich., assignor to Tecumseh Refrigeration Sales and Engineering Company, Tecumseh, Mich., a corporation of Michigan
Application December 18, 1943, Serial No. 514,813
11 Claims. (Cl. 230-58)

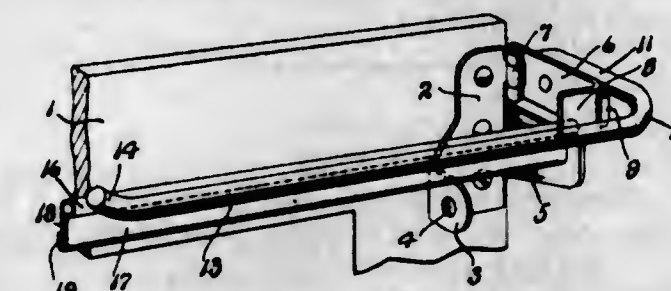


3. A compressor having a pair of spaced cylinders, one of which is of greater diameter than the other, pistons reciprocally mounted in the cylinders and having piston rods extending therefrom, a drive shaft having an eccentric, a Scotch yoke connection between the eccentric and the piston rods, said yoke including a crosshead, fluid ducts formed in the piston rods and communicating with the cylinders, and ports formed in the crosshead of the yoke adapted to admit fluid to the larger cylinder through one of said ducts and from the larger cylinder to the smaller cylinder through the other of said ducts, said ports being so spaced as to effect said admissions as sequential operations occurring in timed relation to the suction strokes of the pistons as they are reciprocated through the yoke.

2,435,109

SHEET METAL CURTAIN ROD

Bert M. Wadkins, North Muskegon, Mich.
Application February 12, 1945, Serial No. 577,492
1 Claim. (Cl. 211-105.2)

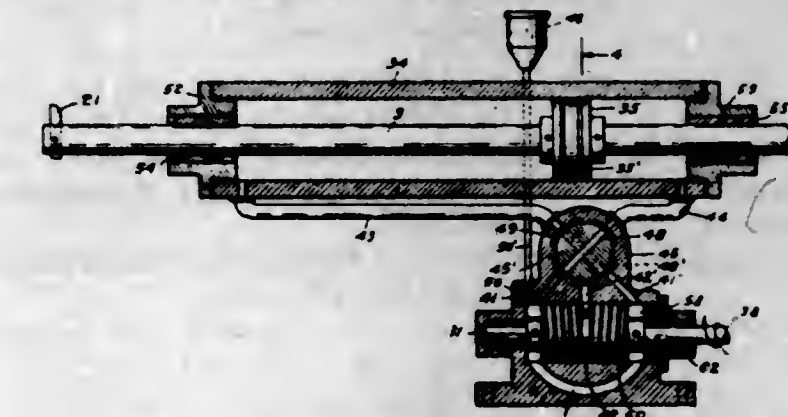


A curtain rod of sheet metal adapted to be carried at each end in a vertical slot of a horizontally extending supporting arm comprising, an upper reinforcing bead with integral flanges extending downwardly from said bead alongside each other, one of said flanges at its free edge portion being turned back upon itself to receive the free edge portion of the other flange.

2,435,110

HYDROSTATIC FEED

Frederick A. Wagner, Oakland, Calif.
Original application January 12, 1937, Serial No. 120,245, now Patent No. 2,152,293, dated March 28, 1939. Divided and this application February 13, 1939, Serial No. 256,091
3 Claims. (Cl. 60-52)

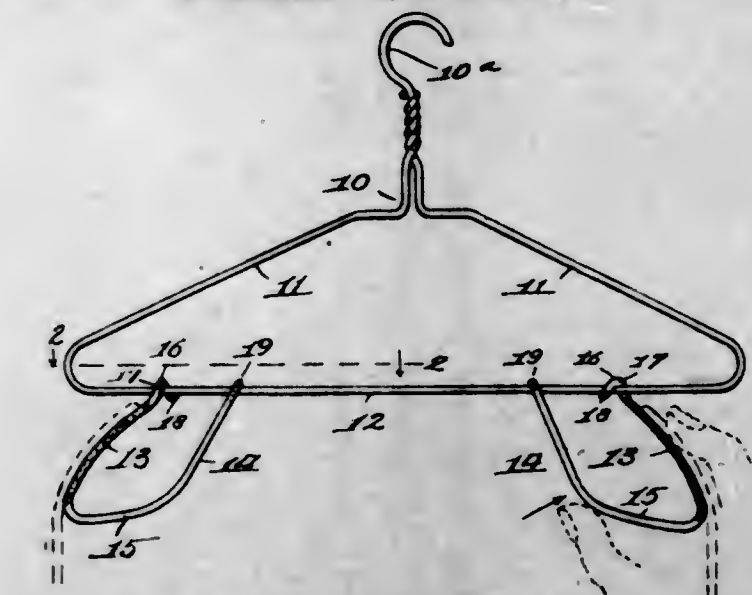


3. A machine feed comprising in combination a hydraulic cylinder, a piston reciprocable in said cylinder and having a piston rod slidably extending from the cylinder and constituting a machine feed bar, a pump for supplying liquid under pressure to said cylinder, piping extending to and from the inlet and outlet of the pump to opposite ends of the cylinder, reversing valve means forming a part of and connected in said piping for controlling the flow of liquid to and from said pump and opposite ends of the cylinder for reciprocating the piston and feed bar, said pump comprising a rotatable cylindrical rotor fitting within a closed housing and provided with a shaft extending from the housing for operating the rotor, said rotor having a plurality of helical viscosity pump grooves freely open at opposite ends respectively to inlet and outlet spaces within the pump housing constituting respectively said inlet and outlet of the pump, said spaces being large enough to always maintain the full flow area of the revolving ends of said grooves so that liquid pumped by rotating the rotor will flow continuously without pulsation from the inlet space to the outlet space, the helical grooves of the rotor being of a shallow depth adapted to operate on the viscosity principle with a viscous oil as the hydraulic liquid and incapable of building up any useful pressure with water for the purpose set out.

2,435,111

GARMENT HANGER

Albert G. Wahl, Los Angeles, Calif.
Application December 6, 1944, Serial No. 566,859
2 Claims. (Cl. 223-95)

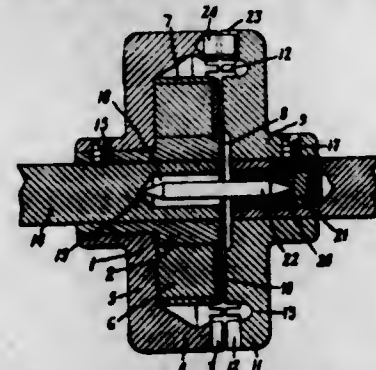


1. The combination with a garment hanger having a straight lower rail, of a pair of substantially V-shaped resilient frames mounted for sliding movement on said lower rail, each frame com-

prising an outwardly bowed outer member, the upper end of which terminates in an open loop in the shape of a segment of a spiral, with the opening in said loop on one side, the inner member of which V-shaped frame extends inwardly and upwardly from the lower end of said outer member and an inverted U-shaped hook on the upper end of said inner member.

2,435,112 COUPLING

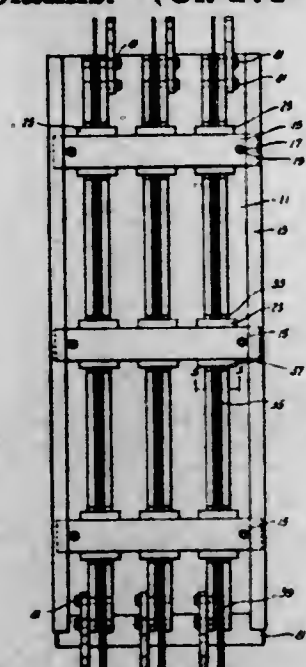
Lawrence W. Wightman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application February 11, 1946, Serial No. 646,865
15 Claims. (Cl. 172-284)



1. A coupling including a member of magnetic material with a central portion having a plurality of circumferentially spaced teeth on the outer radial face of a radially spaced ring portion connected to said central portion by an integral outwardly extending web portion, a second coupling member of magnetic material with a central portion and an outer ring portion with circumferentially spaced teeth on the radial face thereof substantially the same in number and size as said first-mentioned coupling member teeth spaced radially from said central portion and connected thereto by an integral web portion, a magnet mounted on said first named coupling member and polarized axially whereby the teeth of said first named coupling member are polarized at a polarity opposite from the teeth of said second named coupling member, and nonmagnetic axial thrust means for maintaining said coupling members in predetermined axially spaced relation.

2,435,113 BUS DUCT FOR ELECTRICAL DISTRIBUTION SYSTEMS

Frederick B. Adam, St. Louis, Mo., assignor to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application July 24, 1943, Serial No. 496,260
7 Claims. (Cl. 174-99)

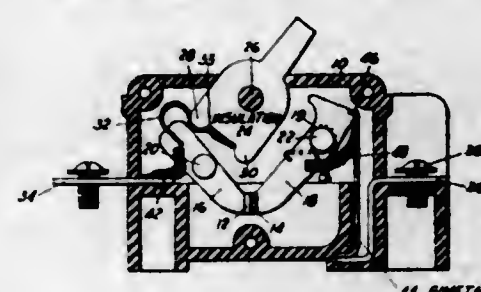


1. In a bus bar distribution system, a plurality of bus bars, main insulator supports for said bus

bars, said insulator supports being provided with slots adapted to accommodate said bus bars therein, oppositely disposed spacer blocks of insulating material positioned in the bottom of said slots, a strip of insulating material co-extensive with said bus bars, between bus bars and positioned in the slots of the insulator supports between said bus bars and spacer blocks and extending beyond the edges of the bus bars.

2,435,114 CIRCUIT BREAKER

Frank Adam, St. Louis County, and Floyd S. Green, St. Louis, Mo., assignors to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application September 1, 1944, Serial No. 552,312
1 Claim. (Cl. 200-116)



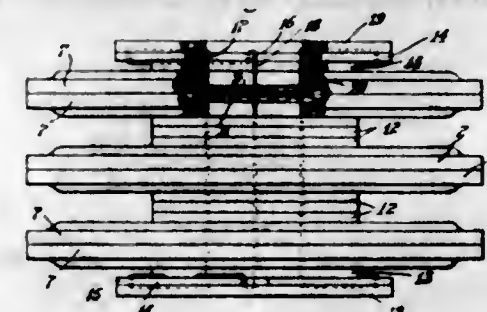
An enclosed circuit breaker comprising a pair of arms pivotally secured to an enclosing housing, one end of each of said arms being provided with cooperating circuit make and break contacts, one of said arms being actuatable by a manual means, the other of said arms being responsive to an overload current device, a manual operating means pivotally secured to the housing, said manual operating means having a handle projecting through the housing, said manual operating means being provided with a pair of formations on the end disposed within the housing, a spring strip secured to the manually actuatable arm and extending along the side thereof adjacent said manual operating means, said spring being disposed for selective engagement with one of said formations at points located on both sides of the line between the pivot centers of the manual operating means and the manually actuatable arm to open and to close the contacts in accordance with the position of the handle, the other of said arms being biased to open circuit position, a current responsive element latching the last mentioned arm to maintain it in closed circuit position, said current responsive element being adapted to be deformed upon the current of an overload and to allow the arm to move to the open circuit position independently of the manually actuatable arm and independently of the manual operating means, and said last mentioned arm being engageable by said manual operating means to restore the latched relation with said current responsive element.

2,435,115 FILTER

Samuel Alsop, Meriden, Conn.
Application November 19, 1943, Serial No. 510,859
4 Claims. (Cl. 210-181)

3. A non-metallic filter pack composed of a series of units each composed of two centrally perforated pads of fibrous material secured together at their peripheries and spaced apart inwardly to provide passages for liquid, washer-like members between adjacent units, a plurality of cord members passing through the center of said units and said washer-like members and means at the opposite ends of the pack for anchoring the ends of the cord members, said cord members

being spaced apart around the sides of the central perforations of the pads and the washer-like



members to prevent the units from shifting laterally with respect to each other.

2,435,116 BLASTING CARTRIDGE

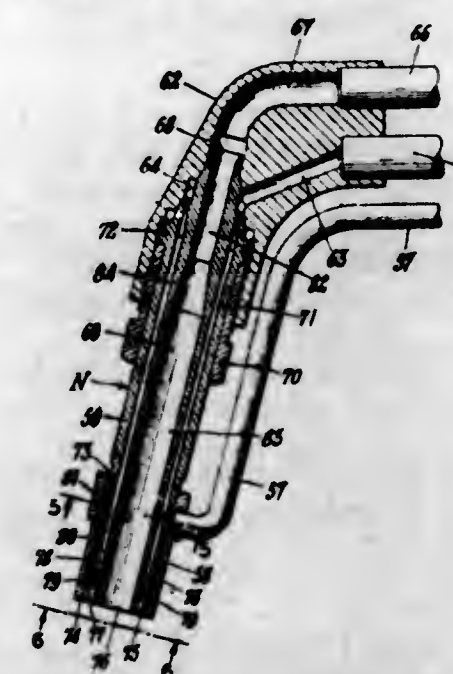
Frank H. Armstrong, Chicago, Ill., assignor to Armstrong Coal Break Company, a corporation of Michigan
Application November 28, 1945, Serial No. 631,303
5 Claims. (Cl. 102-25)



1. A blasting cartridge comprising: a round hollow casing provided with laterally extending discharge ports; a sleeve-like valve in said casing adapted to close said ports and provided with a differential head whereby high gas pressure in the casing urges said valve to open position; expansible locking dogs in said casing for releasably holding the valve in closed position; a removable plug member in one end of the casing for receiving said dogs, and said plug member having an opening for permitting contact with said valve from outside of said casing; and a trigger member slidably mounted in the other end of the casing, extending through the differential head, and adapted to hold the dogs releasably in locking position.

2,435,117 POST-MIXED BLOWPIPE FOR THERMOCHEMICALLY REMOVING SURFACES OF METAL BODIES

Roger S. Babcock, Plainfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application February 13, 1943, Serial No. 475,712
8 Claims. (Cl. 158-27.4)



1. A post-mixed blowpipe nozzle comprising, in combination, a body having an end face and a central oxidizing gas passage terminating in

an orifice in said end face, said body also having a plurality of preheat oxygen passages arranged around the axis of said central oxidizing gas passage in spaced relation thereto, and an inclined preheat fuel gas passage for each preheat oxygen passage, each pair of preheat oxygen and fuel gas passages terminating in a common port in said end face; and means including a jacket mounted on said body providing a protective ring for said body and an annular preheat fuel gas supply chamber for all of the preheat fuel gas passages in said body.

2,435,118 APPARATUS FOR GRINDING CRYSTALS AND THE LIKE

Henry M. Bach, Lawrence, N. Y., assignor to Premier Crystal Laboratories, Inc., New York, N. Y., a corporation of New York
Application June 10, 1942, Serial No. 446,458
2 Claims. (Cl. 51-161)



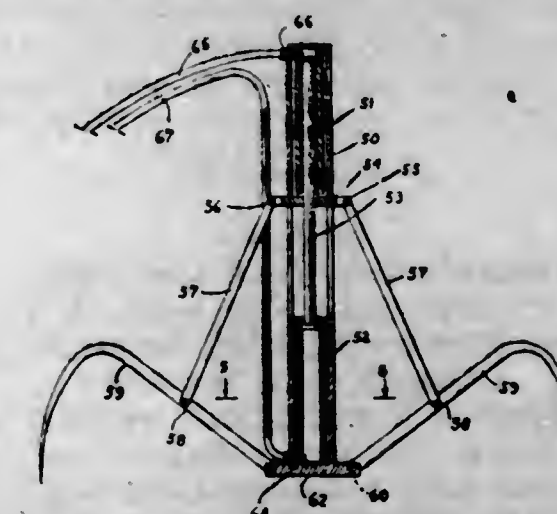
2. A device for grinding crystals and the like of polygonal peripheral contour, comprising at least one grinding lap, a crystal carrier mounted for rotation in a plane adjacent the grinding surface of said lap and having a plurality of crystal receiving apertures of larger size than the crystal to allow the crystal to change its orientation through an angle of 360° inside the aperture, a main driving shaft for the carrier, said carrier being mounted on and eccentrically with relation to said shaft and capable of independent rotation about its center, the edge of each of said apertures having a plurality of indentations cooperating with the crystal corners to positively change the orientation of each crystal in its aperture as the carrier is rotated, the apertures being circular and of a radius related to the length of the polygonal sides of the crystal in accordance with the formula

$$N = \frac{180^\circ}{\sin^{-1} \frac{L}{2R}}$$

wherein N is the number of polygonal sides of the crystal and R is the radius of the aperture.

2,435,119 HAY FORK

Gerald T. Baker, Clearwater, Nebr.
Application January 2, 1945, Serial No. 571,046
6 Claims. (Cl. 294-88)



1. In a hay fork in combination, a support, a tine assembly adjustably depending from said

support, a carrier having a transverse slot intermediate its ends, aligned hydraulic cylinders disposed in said carrier on opposite sides of said transverse slot, pistons joined by a common piston rod reciprocable in said cylinder, a crosshead secured intermediate said piston rod, a plurality of links being pivoted to said cross head, said line assembly pivoted to said carrier and to said links.

2,435,120
CABLE GREASING DEVICE
Harry E. Baker, Oakland, Calif.
Application January 30, 1945, Serial No. 575,331
6 Claims. (Cl. 184-15)



1. A cable lubricating device comprising a pair of matching shell sections of larger diameter than a cable and adapted to be closed about the same, means adjacent the ends of the sections forming restricted cable-passage openings and sealing washer units inwardly of said openings to engage about a cable in lubricant-sealing relation; the shell sections between the washer units forming, when closed about the cable, an enclosed chamber for lubricant, a lubricant reservoir in each shell section, and valves controlling the flow of lubricant from said reservoirs to said chamber.

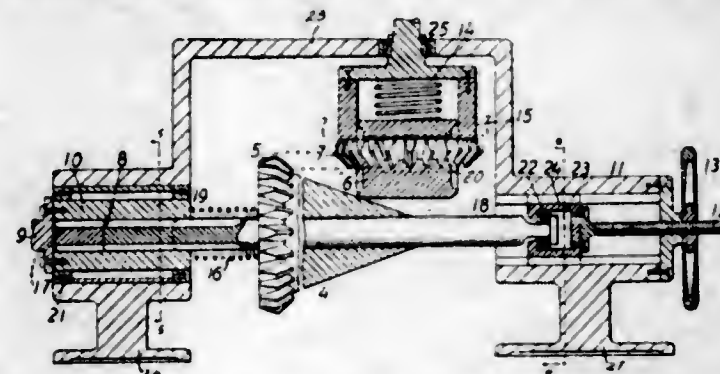
2,435,121
METHOD OF CASTING LIGHT METALS
Morris Bean, Yellow Springs, Ohio, assignor to Antioch College, a corporation of Ohio, Morris Bean, Xarifa Bean, Algo D. Henderson, Arthur E. Morgan, and William Beatty, all of Yellow Springs, Ohio
No Drawing. Application October 15, 1943, Serial No. 506,423
4 Claims. (Cl. 22-189)

1. A method of making a light metal casting by use of plaster molds comprising substantially plaster of Paris which includes applying a small amount of material consisting essentially of a cyanide compound to the mold surface to be contacted by molten light metal and then casting molten light metal in the mold as thus treated.

2,435,122
VARIABLE-SPEED CONTROL
Arthur Berndt, New York, N. Y.
Application October 10, 1944, Serial No. 558,105
1 Claim. (Cl. 74-405)

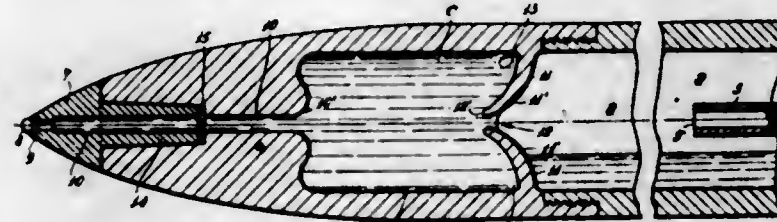
In a combined friction and toothed gearing: the combination with a driving and a driven shaft and a driving and a driven gear, with a power shaft movably connected to said driving shaft and with control means to move and lock said driving shaft; a friction cone carried by said

driving shaft and a friction cylinder carried by said driven shaft for engagement with the friction cone, said driving gear mounted to the base



of said friction cone, and said friction cylinder movably mounted inside and splined to said driven gear, and a compression spring to press said friction cylinder against said friction cone.

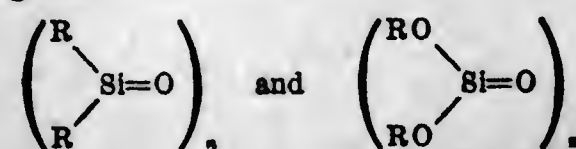
2,435,123
FOUNTAIN PEN
Laszlo Jozsef Biro, Buenos Aires, Argentina, assignor, by mesne assignments, to Eversharp, Inc., Chicago, Ill., a corporation of Delaware
Application August 2, 1944, Serial No. 547,758
5 Claims. (Cl. 120-43)



1. Improvements in fountain-pens comprising a writing tip with a writing ball arranged in a setting at the terminal end of a feed conduit the ink reservoir of which is provided with an air intake constituted by a conduit entering said reservoir by means of a tube ending in a mouth located at the center of said reservoir approximately equidistantly from the ends and side walls thereof, so as to remain out of reach of ink contained in said reservoir, wherein an intermediate chamber is provided between said reservoir and said feed conduit, said intermediate chamber being adapted to be charged with ink to the full capacity thereof, said intermediate chamber being separated from said reservoir by means of a partition having a central funnel-shaped projection projecting into said intermediate chamber and terminating in an orifice constituting the only communication between said intermediate chamber and said reservoir.

2,435,124
METHOD OF DISPERSING A FOAM-REDUCING SILICON-CONTAINING COMPOUND
Loren C. Bollinger, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 22, 1945, Serial No. 574,039
5 Claims. (Cl. 252-49.6)

1. A method of dispersing a foam-reducing silicon-containing compound in a hydrocarbon lubricating oil which comprises dissolving a compound having a formula selected from the group consisting of



wherein each R is a saturated non-aromatic organic radical, and n and m are positive integers

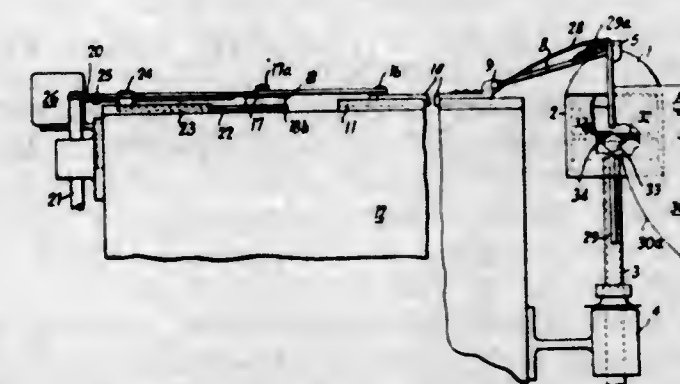
of at least 2, in an aliphatic hydrocarbon having a Saybolt Universal viscosity of less than about 50 seconds at 100° F., and then incorporating said hydrocarbon containing said foam-reducing compound into a hydrocarbon lubricating oil by agitation caused by passing a gas through said oil.

2,435,125
PURIFICATION OF TRYPTOPHANE
Edgar C. Britton and John E. Livak, Midland, Mich., assignors to The Bow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 23, 1944, Serial No. 560,033
14 Claims. (Cl. 260-319)

1. A method for the purification of crude tryptophane containing sulphur and an iron compound as impurities, which method comprises dissolving the tryptophane in an aqueous medium of a pH value outside the range of from 5 to 9 to form a tryptophane solution which is also of a pH value outside the range of from 5 to 9, treating the solution with a solid, adsorptive decolorizing agent, filtering, changing the pH value of the filtrate through and beyond the range of from 5 to 9, again filtering, and bringing the filtrate to a pH value between 5 and 9 so as to crystallize tryptophane therefrom, while maintaining the tryptophane-containing mixture substantially free of phosphate ions during each of the steps just stated, and separating the crystalline product.

2,435,126
FORMATION OF CURVED SURFACES OF PRESCRIBED FIGURE BY GRINDING AND/OR POLISHING

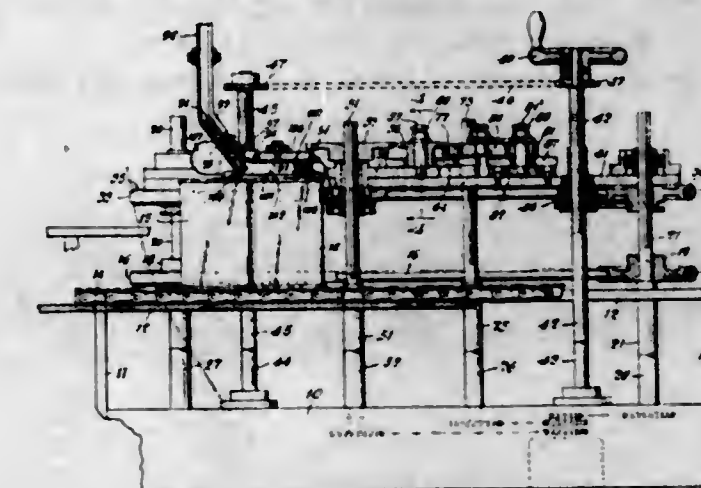
Cecil Reginald Burch, Clifton, Bristol, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application May 8, 1946, Serial No. 668,124
In Great Britain March 19, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 19, 1965
2 Claims. (Cl. 51-58)



1. Apparatus for grinding and/or polishing a lens to form thereon an aspheric surface of prescribed figure of revolution, comprising means for mounting the lens for rotation about a fixed vertical axis, a bar pivoted about a horizontal axis to a carriage which is arranged for horizontal reciprocation towards and away from the said vertical axis, a grinding or polishing pad secured to the underside of the said bar and arranged for presenting a grinding or polishing surface to the lens which is small, for example 5% or less, in relation to the surface of prescribed figure, and which surface is yieldingly engaged with the lens, a rod or bar secured to the bar carrying said grinding or polishing pad so as to extend substantially normally to the grinding or polishing

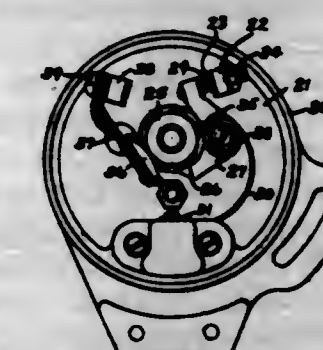
surface, and a cam presenting a surface along which said rod or bar is adapted to roll during reciprocation of the carriage, which cam surface is in profile the evolute of the surface of prescribed figure of revolution.

2,435,127
CAPPING MACHINE
Joseph W. Cameron, Chicago, Ill., assignor to Boyle-Midway Inc., Chicago, Ill., a corporation of Delaware
Application May 19, 1945, Serial No. 594,786
4 Claims. (Cl. 226-88)



1. In a capping machine, a horizontally movable conveyor for supporting containers, each container having a threaded neck projecting upwardly from the body thereof, said neck adapted to have a correspondingly threaded cap spun thereover, a cap chute extending downwardly toward said conveyor and forwardly with reference to container travel and terminating in a cap delivery portion disposed in the path of travel of the threaded neck of each uncapped container, means for retaining a cap at said delivery end against free cap movement out of said delivery end, said retained cap having a part thereof in the path of travel of a container neck and engageable thereby for cap removal from said chute delivery end, a substantially horizontal guide into which the threaded container necks project for a portion of container travel on said conveyor, said guide having its cap receiving end adjacent the delivery end of said chute to receive caps therefrom and having means upon which an engaged cap may rest and slide to travel along with its associated container, and means at the end of said guide for spinning said cap over its associated container neck.

2,435,128
CIRCUIT BREAKER
Wilbur L. Carlson, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 24, 1945, Serial No. 584,661
7 Claims. (Cl. 200-30)

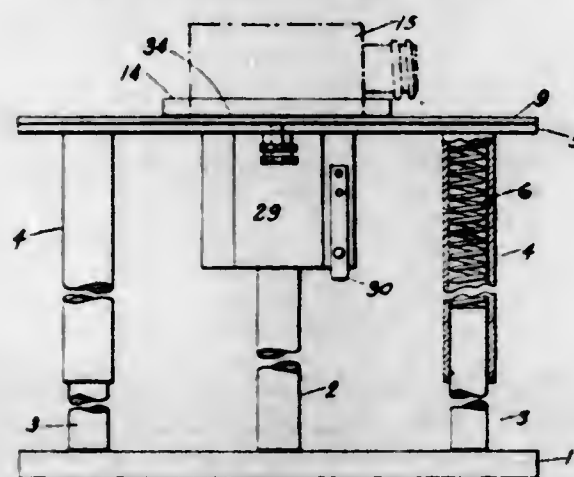


1. An ignition timer apparatus comprising in combination; a stationary contact; a pivoted lever carrying a contact cooperating with the stationary contact said contacts being subjected to wear

during operation thereof; a cam member rotatable with respect to the lever; and a wear piece carried by the lever and engaging the cam member so that rotation of the cam actuates the lever to open and close the contacts, said wear piece being so shaped that upon wear thereof progressively larger areas are subjected to the engagement with the cam member so that the wear piece will wear at substantially the same rate as the rate of wear of the cooperating contacts.

2,435,129 HAND DEVICE FOR ATTACHING GUMMED LABELS

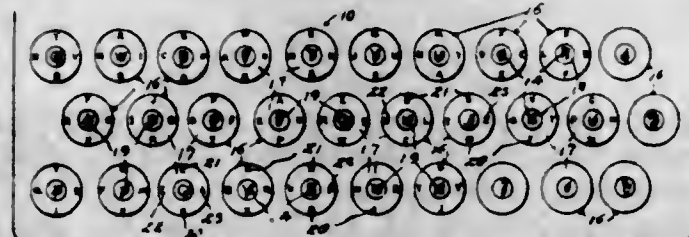
Maurice Castel, Freeport, N. Y.
Application July 2, 1946, Serial No. 681,038
12 Claims. (Cl. 216-42)



1. An applier for attaching gummed labels to moistened flat surfaces of containers, said applier comprising, in combination, a magazine adapted to fittingly hold a stack of gummed labels and having an exit opening on top, a stationary plunger adapted to push said stack upward toward said opening upon relative vertical motion between said plunger and magazine, a follower in said magazine adapted to underly said stack and to be lifted with said stack upon said relative motion, and friction means adapted to make said follower selflocking in each position into which it may be lifted by said plunger in said magazine.

2,435,130 CRYPTOGRAPHIC ATTACHMENT FOR TYPEWRITER KEYS

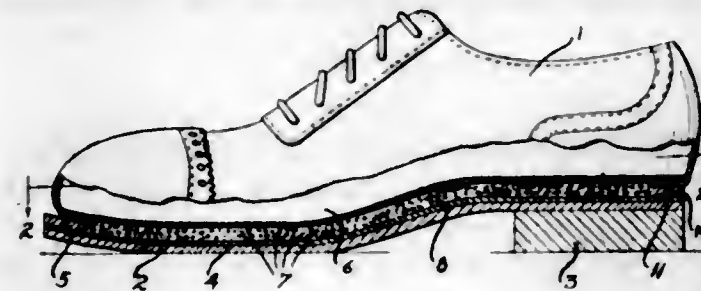
Boy N. Cunningham, Washington, D. C.
Application October 5, 1944, Serial No. 557,346
2 Claims. (Cl. 197-4)



1. As a new article of manufacture a cryptographic attachment comprising a cap engageable over one key of a typewriter, said cap including a top wall having a central formation through which the character of said key will be visible, a cylindrical skirt about said top wall engageable about said key, and circumferentially spaced apart code indicia on the upper surface of said wall surrounding said central formation, said code indicia denoting characters different from the character of said key whereby a code character may be written or transcribed in accordance with any one of a plurality of different code systems by striking the key bearing the code indicia.

2,435,131 SHOE WITH MOISTURE ABSORBING MEANS

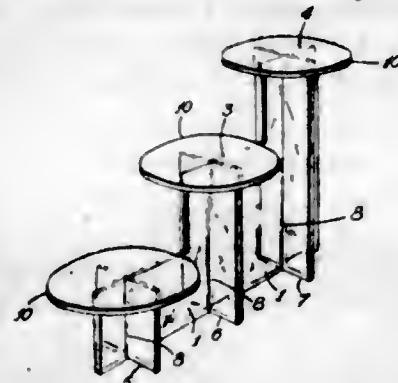
Joseph A. Desbiens, Fall River, Mass.
Application May 24, 1946, Serial No. 671,995
3 Claims. (Cl. 36-3)



1. In a shoe including an upper, an outsole and a heel attached thereto, spaced plastic layers between said upper and outsole, a plastic welt between said spaced plastic layers, and a desiccant in said space formed by said plastic layers and plastic welt.

2,435,132 DISPLAY STAND FOR SHOW WINDOWS

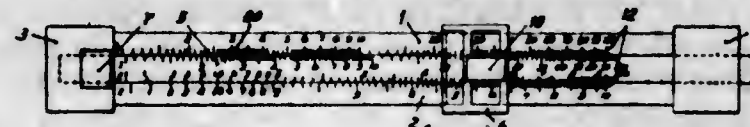
Elie François Hubert d'Horaene, Brussels, Belgium
Application May 29, 1945, Serial No. 596,536
In Belgium June 6, 1944
6 Claims. (Cl. 211-128)



1. A display stand comprising a main panel disposed on edge and provided at its top with steps formed with horizontal rectilinear edges situated at increasing heights and a series of transverse panels having each one upper horizontal edge and placed at right angles with respect to the main panel, each transverse panel corresponding to one step of the main panel and having the same height as the said step so that each step and the corresponding transverse panel form a cross-shaped support for an element to carry objects adapted to be displayed, the assembly between the main panel and the transverse panels being obtained by means of slits in the main panel having a width substantially equal to the thickness of the transverse panels, and a slit in each transverse panel having a width substantially equal to the thickness of the main panel.

2,435,133 GRAPHIC CALCULATOR

François Durand, Zurich, Switzerland
Application March 22, 1945, Serial No. 584,104
In Switzerland March 23, 1944
9 Claims. (Cl. 235-70)

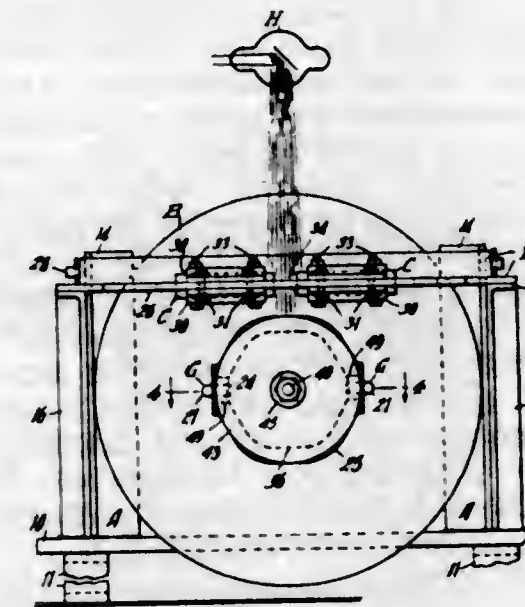


1. A slide rule, comprising a body, a slide movably supported relatively to the body and accessible from opposite sides of the body over its entire length presented between the ends of the body,

a sliding frame on the body, and means on the frame for frictionally connecting said frame to said slide at any selectively determined point of said slide located between the ends of the body.

2,435,134 METHOD FOR DETECTING FLAWS IN TUBULAR STEEL CASTINGS

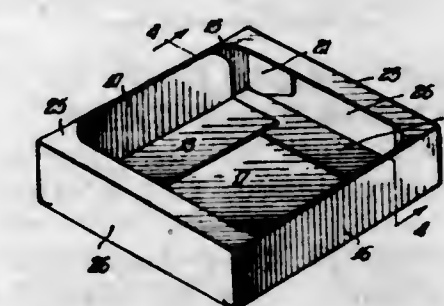
Eric G. Forssell, Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application September 18, 1944, Serial No. 554,593
2 Claims. (Cl. 250-53)



1. A method of producing X-ray photographs of tubular steel castings comprising the following procedure: Placing a photographic film on the inner side of substantially the entire circumferential side wall area of the tubular casting to be photographed in close proximity to said wall, said film being coextensive with said wall area, screening the inner side of said entire film from the effect of the X-rays, slowly rotating the tubular casting and film about its central longitudinal axis while exposed to a X-radiation from a fixed source of X-rays exterior to said tubular casting, and screening the rays emanating from said source of X-rays to restrict the rays reaching said casting to an elongated narrow field.

2,435,135 COLLAPSIBLE SHIPPING AND DISPLAY CARTON

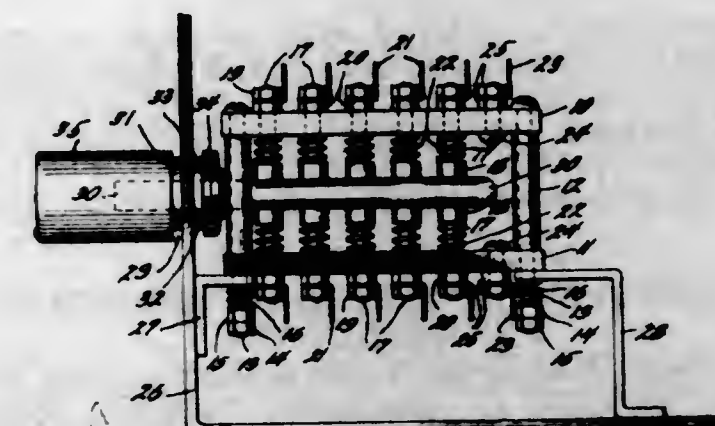
Lester W. Franck, Los Angeles, Calif., assignor to Independent Paper Box Co., Los Angeles, Calif., a corporation of California
Application July 4, 1945, Serial No. 603,219
3 Claims. (Cl. 229-16)



1. A shipping and display carton, which constitutes a top wall section, side walls oppositely connected to said top wall section, one of said side walls extending outwardly of said top wall section and the other side wall lying adjacent the top wall section with a bottom wall connecting both side walls and also lying adjacent said top wall section when said carton is in collapsed condition, said top wall section comprising two inwardly extending panels each of which is provided with a longitudinal crease line disposed transversely of said section dividing the same into upper and lower parts hingedly connected to each other which lie adjacent said bottom wall when said carton is in collapsed condition, and when said carton is in erect position, said upper parts of said panels lying against said side walls to provide a double reinforced carton wall construction and said lower parts lying against said bottom wall, and end walls having tuck-in flaps oppositely extending from remaining edges of the top wall section and which project outwardly therefrom when the carton is in collapsed condition, and when the carton is in erect position depending from said top wall section with the tuck-in flaps extending inwardly thereof and overlying said bottom wall.

2,435,136 MULTIPLE CONTACT JACK

Allen J. Gardenhour, Waynesboro, Pa.
Application May 28, 1946, Serial No. 672,753
8 Claims. (Cl. 173-328)



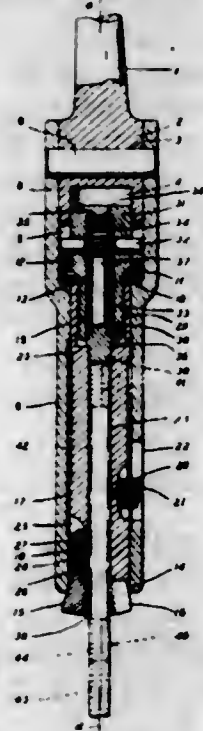
1. An electrical connecting apparatus including two dielectric members, means for supporting the dielectric members in spaced relationship, plunger contacts resiliently mounted in each of the dielectric members and arranged in a plurality of spaced opposed rows, and conducting means selectively insertable in any row between opposed plunger contacts to interconnect them through the conducting means.

2,435,137 LONG-SHAFT STUD DRIVER

Kenneth B. Geertsema, Valley Stream, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application January 25, 1945, Serial No. 574,497
10 Claims. (Cl. 81-113)

1. A stud driver comprising a driving shank, an elongated outer shell member connected coaxially to said shank for common rotation with a limited lost motion, an inner shell member axially movable but nonrotatable in relation to said outer shell and substantially within the latter, said inner shell including spreadable and contractible jaws at its end remote from said shank and being so shaped as to receive in its interior an elongated shaft of a stud to be set, said outer shell and said jaws having cooperating faces to contract said jaws upon movement of the latter in an axial direction relatively to said outer shell, means tending to hold said jaws in expanded position prior to the insertion of said stud shaft into said inner shell, a pin axially movable in the other end of said inner shell, a screw-threaded part in connection with said shank for common rotation and engaging a threading of one of said shell members, said part constituting an abutment for said pin, means to transform axial pressure exerted by said

stud when engaging said pin into a shifting movement of said inner shell in relation to said outer shell so as to cause contraction of said jaws to a position preparatory to gripping said stud, and

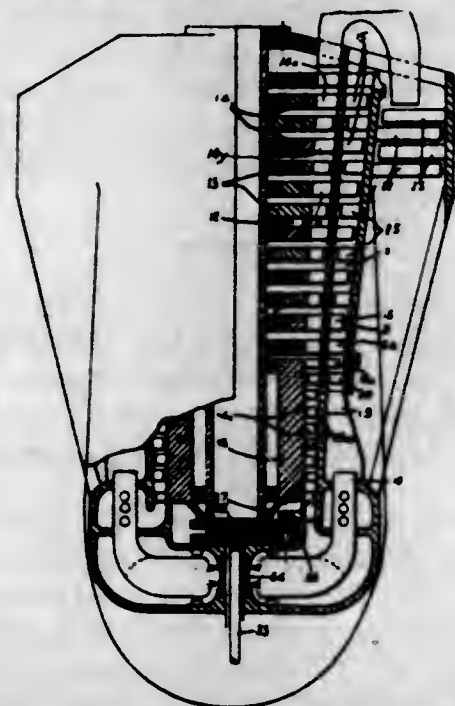


a torsion spring secured with its ends to one of said shell members and said shank respectively to restrain rotation of said shank relatively to said shells through the angle of said limited lost motion.

2,435,138

COMPOUND INTERNAL-COMBUSTION TURBINE PLANT

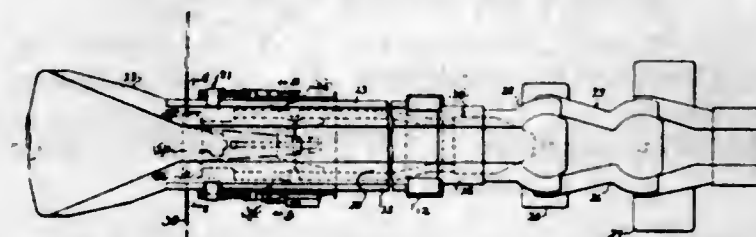
Fritz Albert Max Heppner, Leamington Spa, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England
Application January 6, 1944, Serial No. 517,272
In Great Britain January 15, 1943
3 Claims. (Cl. 230-122)



1. A compound internal-combustion turbine plant including a plurality of independent compound rotors each rotating in the same direction and carrying compressor and turbine blades, a shell rotating in the opposite direction to said rotors and carrying turbine blades coacting with said first-named turbine blades, said shell taking out useful work between said rotors, stationary compressor blades coacting with said first-named compressor blades, and stationary blades at the high-pressure end of the turbine blades, the adjacent turbine blades carried by the shell coacting with said stationary blades to take out additional useful work at the high pressure end of the turbine, said blades being so constructed and arranged that the rotors have higher rotational speeds as the volume of gases decreases.

2,435,139 SELF-LOADING DEVICE FOR SHAKER CONVEYORS

John H. Holstein, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 21, 1946, Serial No. 678,378
14 Claims. (Cl. 198-14)



1. In a shaker conveyor, a reciprocating trough, an extensible trough mounted for extensible or retractible movement with respect to said reciprocating trough, a flexible feeding member extending transversely beneath said troughs and adapted to be fixed at its ends at points spaced laterally from opposite sides of said troughs, means disposed beneath said extensible and reciprocating troughs for moving said troughs along said flexible feeding member and feeding the forward end of said extensible trough laterally, and means engaging said flexible feeding member for maintaining tension on the slack side of said flexible feeding member during movement of said trough therealong.

2,435,140

SIGNAL TRANSLATING APPARATUS

Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1945, Serial No. 632,062
5 Claims. (Cl. 179-100.41)



1. A phonograph pickup device of the capacity type comprising a support, a resilient arm extending from said support and terminating in a first conductive member, said arm constituting a vibratory mounting for said first conductive member, means having the same temperature coefficient of expansion as said arm extending from said support to a point beyond said first conductive member, and a second conductive member stationarily supported by said means beyond and in spaced relation to said first conductive member, said conductive members facing each other and cooperating to provide a capacitor.

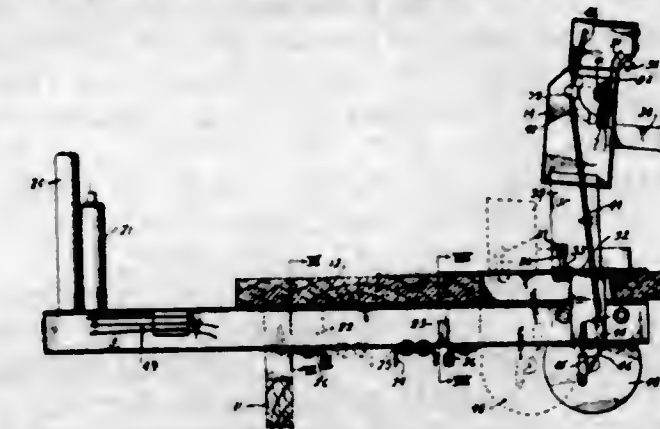
2,435,141

AMUSEMENT GAME

Jerry C. Koci, Riverside, Ill., assignor to The Wolgen Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1944, Serial No. 538,144
5 Claims. (Cl. 46-143)

1. An amusement game comprising timing means to limit the duration of the game, combatant figures movable to strike each other, a blow-responsive element on each figure, an electrical circuit operable by said element including means to sequentially operate visual means indicating the number of blows struck said blow-responsive element, and another electrical circuit controlled by said timing means including means to sequentially operate visual means indicating the passing of time intervals of the

game, and means to open said other circuit to prevent operation of the game upon the passing

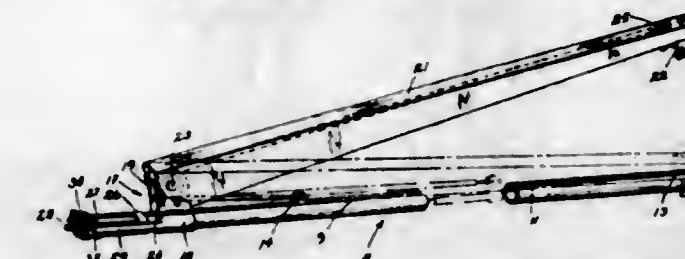


of a predetermined number of said time intervals.

2,435,142

RIVET FEEDING DEVICE

William R. Kovacs, Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application September 25, 1943, Serial No. 503,764
3 Claims. (Cl. 78-46)



1. In a device for holding and delivering rivets or the like, an elongated hollow member forming a support for a plurality of rivets and having a delivery end, means for urging the rivets toward said delivery end, a sleeve surrounding said hollow member adjacent said delivery end and having convergent resilient fingers adapted to releasably retain the rivets in said hollow member, said hollow member being movable relative to said sleeve for causing said delivery end to engage and spread said fingers for releasing a rivet therefrom, a bracket secured to and carried by said hollow member, a pair of arms extending from said bracket toward the delivery end of said hollow member, and means carried by the free ends of said arms having engagement with the convergent ends of said resilient fingers when the device is withdrawn from the work for preventing expansion of said fingers.

2,435,143

SWITCH CONTROLLING ASSEMBLY

Walter T. Knauth, Houston, Tex., assignor to The Milwhite Co., Inc., Houston, Tex., a corporation
Application January 1, 1945, Serial No. 570,822
2 Claims. (Cl. 200-83)

1. A hydraulically operable switch controlling assembly comprising, a casing adapted to be connected to a container for fluid, an adjusting nut having a threaded connection with the casing at one end, a plunger, one end of which extends axially through said nut, a clamp block countersunk into the other end of the casing through which the other end of the plunger works, the outer end of the plunger extending out beyond the block when the plunger is in one position, an annular abutment on the plunger on the inner side of the clamp block, said casing having an inside annular shoulder spaced from the clamp block which limits the inward movement of said abutment and plunger, said shoulder being spaced from the block a distance such that the outer

end of the plunger will be flush with the outer side of the clamp block when the plunger reaches the limit of its inward movement to provide a continuous smooth diaphragm support, a coil spring in the casing around the plunger and interposed



between said nut and abutment, a diaphragm exposed to the fluid, a clamp nut threaded into the casing and clamping the margin of the diaphragm against the outer side of the clamp block, and means for operatively connecting the plunger with the switch.

2,435,144

RIVET

Piotr Kubicki, London, England
Application December 22, 1944, Serial No. 569,360
In Great Britain June 6, 1944
2 Claims. (Cl. 85-40)



1. A rivet comprising in combination a headed tubular member adapted to extend through an opening within the structure to be riveted, the exterior diameter of said tubular member being less than the diameter of the opening within the structure to be riveted to form a space therebetween, the bore of said headed tubular member having a cylindrical portion and a tapered portion extending from said cylindrical portion to the headed end thereof, and the smaller diameter of said tapered portion terminating at the headed end of said tubular member, a headed core having a shank portion extending through the bore of said tubular member, a cylindrical portion formed with the shank of said core and of less exterior diameter than that of the interior diameter of the cylindrical portion of the bore of said tubular member leaving a space therebetween, a cylindrical portion formed with the shank of said core and of less diameter than that of the first mentioned cylindrical portion of the shank of said core, an intermediate tapered portion formed with the shank of said core and arranged between the cylindrical portions thereof whereby when axial forces are exerted upon the rivet said tubular member will first be collapsed to form a head about the headed end of said core and close the space between said core and tubular member and finally expand said tubular member to close the space between the latter and the structure to be riveted.

2,435,145

METHOD FOR PRODUCING SOLID STABILIZED POLYSULPHIDES

André Lalande, Paris, France, assignor to Produits Chimiques de Ribecourt, Paris, France, a corporation of France and Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France, a corporation of France

No Drawing. Application April 23, 1945, Serial No. 589,937. In France January 28, 1942

4 Claims. (Cl. 167-20)

1. A method for stabilizing barium polysulphide chiefly for insecticidal, fungicidal and the like agricultural purposes which comprises concentrating a solution of said polysulphide in water in presence of alpha-monochloronaphthalene until a granular powder is obtained.

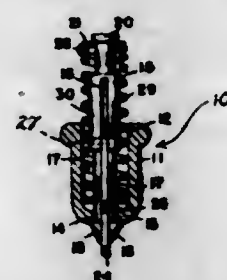
2,435,146

FASTENER

Eugene W. Lehman, East Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio

Application December 15, 1944, Serial No. 568,289

2 Claims. (Cl. 85-5)



1. In a sheet holder, a cup-shaped housing, the base of said housing having a central bore there-through, a retainer having two laterally resilient legs extending through said bore, outwardly extending projections on said legs, a spreader having lateral arms resting on said base, a spring surrounding said retainer, means on the upper end of said retainer engaging said spring, the lower end of said spring engaging said spreader arms, said spreader having a longitudinal slot therein, and means fixed in at least one of said legs extending into said slot, whereby said spreader prevents accidental release of said retainer in event of failure of said retainer legs.

2,435,147

ORGANO-SILICON POLYMERS AND METHODS OF PREPARING THEM

Rob Roy McGregor, Verona, and Earl Leathen Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application March 30, 1943, Serial No. 481,142

6 Claims. (Cl. 260-46.5)

1. The method of polymerizing substantially completely dehydrated liquid polymers consisting of a polymeric diorgano siloxane in which one of the two organic radicals attached to each silicon atom is an alkyl radical, and the other organic radical is selected from the class consisting of alkyl and aryl radicals, which comprises adding to said polymers an agent selected from the class consisting of phosphorous pentoxide and phosphoric acid, and maintaining said agent in reactive relationship with said polymers at a temperature below 250° C. until an increase in viscosity is effected.

2,435,148

CHLORINATED DIMETHYL SILICONE POLYMERS

Rob Roy McGregor, Verona, and Earl Leathen Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application May 25, 1945,

Serial No. 595,876

6 Claims. (Cl. 260-607)

1. The method which comprises passing chlorine through a cyclic dimethyl silicone polymer until it is slightly chlorinated, mixing the resulting product with chain polymers of dimethyl silicone having terminal hydroxyl groups and heating the mixture to cause a reaction.

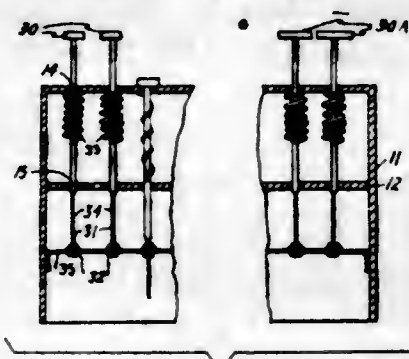
2,435,149

EDUCATIONAL TOY

Issac Allen Mitchell, Neponsit, Long Island, N. Y.

Application September 12, 1944, Serial No. 553,712

3 Claims. (Cl. 35-35)



1. An apparatus employing a plurality of manual movable keys with indicia recorded on each for reproducing a predetermined sound according to said visual indicia, a sound track attached to the shank of each key in conjunction with the visual indicia recorded on the key, a diaphragm having perforations therethrough to admit the key shank with its sound track, means to move any visual indicia and in turn its connected sound track through its associated perforation in said diaphragm so that the contacting face of said sound track reproduces a corresponding sound in the diaphragm to what is recorded on said key.

2,435,150

AERIAL DELIVERY MECHANISM

Frank E. Monks, Pittsburgh, Pa., assignor to Fuller Label & Box Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 13, 1943, Serial No. 502,165

10 Claims. (Cl. 244-138)



1. Mechanism of the class described comprising a receptacle forming a core, a centrally apertured umbrella-plaited chute folded about said

core, the plaits of said chute being truncated below the normal meeting point of adjacent converging fold lines of the plaits, frangible means retaining said chute in folded position about the core, a static line so secured to said assembly as to rupture the frangible means when placed under tension, and shroud lines extending beneath the folds of the chute connecting the upper end of said receptacle with the margin of said chute.

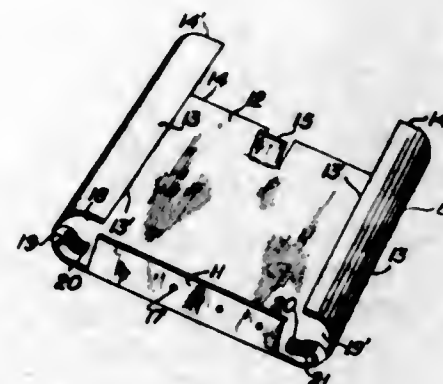
2,435,151

AUTOMOBILE REFRESHMENT TRAY

Clyde W. Morgan, Atlanta, Ga.

Application December 10, 1943, Serial No. 513,773

1 Claim. (Cl. 206-19.5)



A refreshment tray assembly for automobiles adapted to support beverage glasses and bottles carried thereby in upright position comprising an attachable sleeve structure formed with curved sides, a tray formed with a bottom, an end member, curved side members conforming to and adapted to slidably engage in the sides of said sleeve, said members being formed with inwardly extending overhanging edges adapted to supportingly engage the sides of beverage glasses and bottles supported by the tray to maintain them in upright positions irrespective of their configurations, the ends of said side members adjacent to the end member being formed with struck down apertured portions constituting holders adapted to receive condiment containers, such construction providing openings in which said holders are positioned off-set with respect to the normal contents supporting area of the tray, and coacting means between the sleeve and tray to normally prevent complete disengagement of the tray when in extended position.

2,435,152

KEY RING CONSTRUCTION

William J. Morse, Attleboro, Mass., assignor to Morse Andrews Co., a corporation of Massachusetts

Application November 8, 1944, Serial No. 562,495

6 Claims. (Cl. 70-459)



1. In a key ring, a cover of hollow formation, a wire frame slidably seated in said cover and having an upper loop portion extending through the upper end of the cover and a lower key retainer section extending through the lower end of the cover, one side of said key retainer section having a key passageway normally positioned within the cover, a cross bar secured between the sides of the upper loop portion, a retainer block posi-

tioned in the key retainer section and secured to the cover and positioned to normally seal the key passageway, and a spring device extending between the cross bar and the retainer block, whereby downward movement of the wire frame against the tension of the spring device exposes the key passageway below the cover.

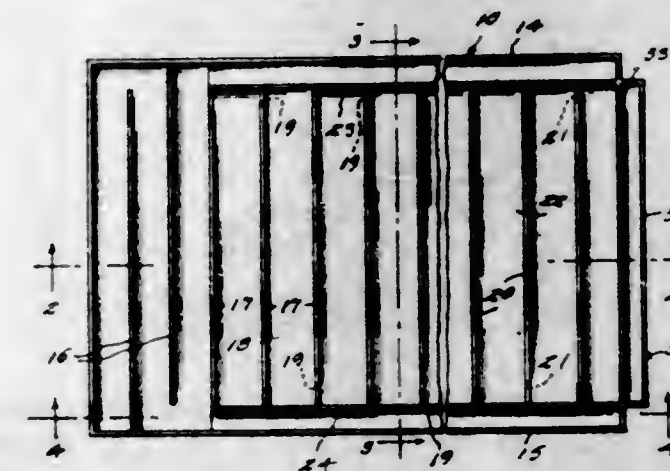
2,435,153

OPEN PAN EVAPORATOR

Travis M. Myrick, Hattiesburg, Miss.

Application April 10, 1944, Serial No. 530,429

1 Claim. (Cl. 159-32)



A device as described consisting of a heatable rectangular pan having side and end walls arranged severally in parallelism, a pair of inside longitudinal walls extending in parallel relation but spaced apart from the side walls of the pan, said inside walls at their outer ends intersecting one end wall of the pan and projecting slightly therebeyond, the inner ends of the inside walls being spaced inwardly from the other end wall of the pan, said inside walls consisting of two sections, of which the inner section is a higher uniform level than the outer section thereof, the bottom of the pan also forming the bottom for the projecting ends of the inside walls beyond the mentioned end wall of the pan, and a continuous longitudinally spaced apart series of transversely extending partitions arranged to connect with the inside walls at opposite ends, being formed successively with lower corner end slots arranged in staggered relation to each other longitudinally of the pan, one of said partitions having its ends connected to the outside projecting ends of the inside walls and being also connected to the bottom thereof to provide a cooling trough beyond one of the end walls of the pan, a series of transversely extending partitions arranged with their ends in staggered relation in advance of the inside walls, and a pair of oppositely arranged longitudinally extending downwardly inclined shelves fitting snugly between the side walls of the pan and the inside walls thereof with its higher plane at the rear of the pan spaced below the top edge of the side wall sections of higher level and having their free ends slightly raised above the bottom of the pan and located in alignment with the first and innermost of the first named partitions.

2,435,154

GLASS CUTTING APPARATUS

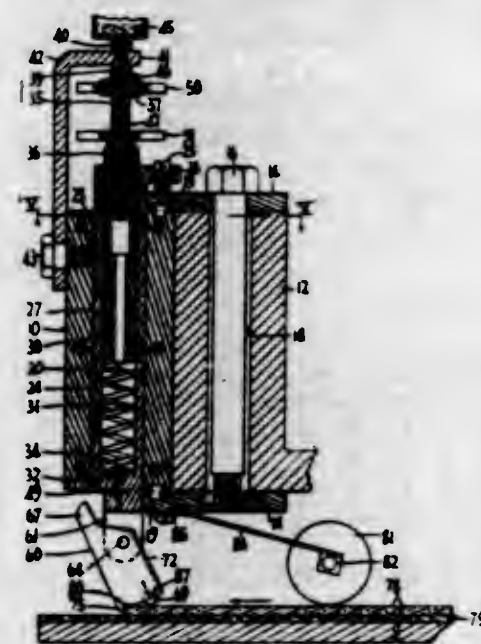
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application December 10, 1943, Serial No. 513,810

7 Claims. (Cl. 33-32)

2. In a cutting apparatus, a sectional cutter stem including an upper section and a lower sec-

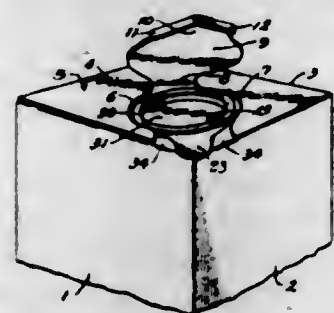
tion, means for guiding the upper section upwardly and downwardly, a pivotal connection freely suspending the lower section from the upper section, a cutting element mounted upon the lower portion of the lower section at a position offset laterally from a vertical plane con-



taining the axis of pivoting of the sections, a glass engaging portion on the lower section disposed normally directly below said pivotal connection and at a level normally below the cutting element for receiving sheet glass thereagainst, and means for limiting pivotal movement of the sections in one direction.

2,435,155 PAPER BOTTLE

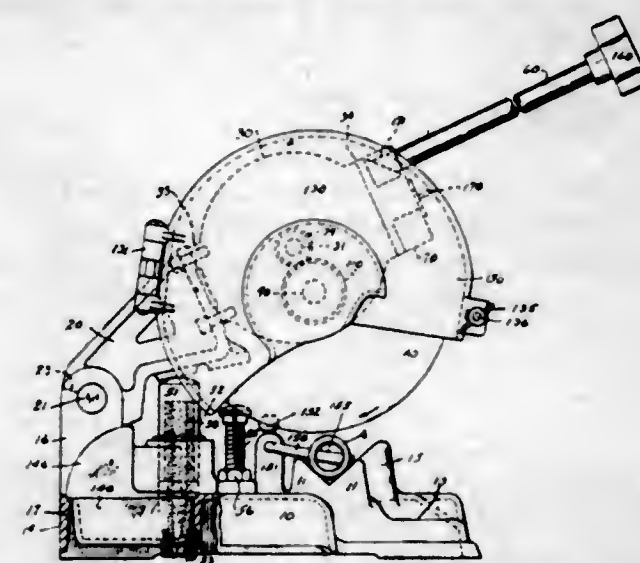
Frank D. Palmer, Chicago, Ill., assignor to F. D. Palmer, Inc., Chicago, Ill., a corporation of Illinois
Application June 5, 1944, Serial No. 538,856
6 Claims. (Cl. 229-17)



1. A paper bottle embodying a plurality of side walls and top and bottom walls, said top wall comprising at least a pair of flaps which extend from the upper ends of a pair of said side walls into mutually lapping, adhesively united, face-to-face relationship, said top wall having a dispensing opening adapted to be closed by a plug, said top wall being also provided around said opening with a ledge portion offset downwardly from the plane of said top wall and, from said ledge portion to the side wall of the bottle, with a portion also offset downwardly from the plane of said top wall to form a pouring spout, there being also another flap which extends from the upper end of another side wall into overlying relation to said top wall, said other flap being provided with lines of severance defining an ear which is displaceable from, but hingedly connected to said other flap, said ear being so shaped and located as to overlie said opening, said ledge, said pouring spout, and a portion of said top wall beyond said downwardly offset portions, said other flap, excepting said ear, being adhesively united in face-to-face relation to said top wall.

2,435,156 ABRASIVE CUTOFF MACHINE

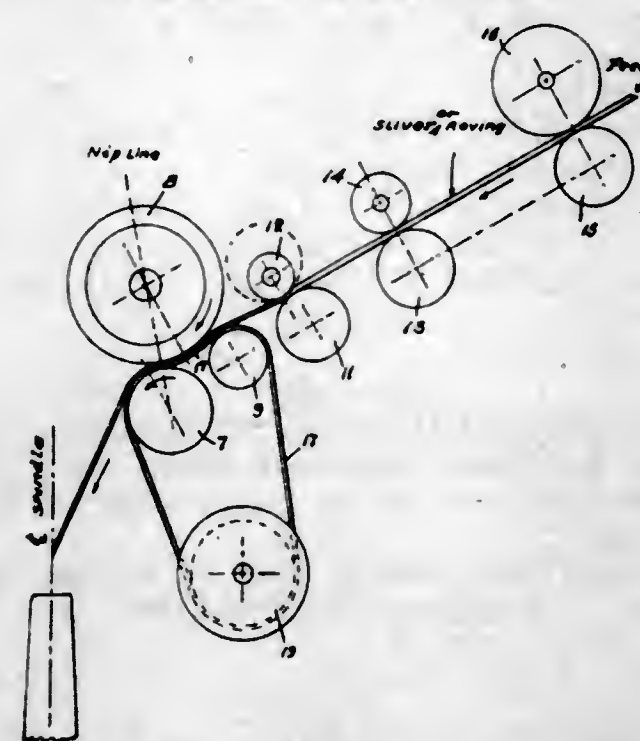
Robert B. Pealer, Garrettsville, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application October 6, 1945, Serial No. 620,754
2 Claims. (Cl. 51-98)



1. In an abrasive cut-off machine, the combination of a base having a top portion with edge flange and an upright standard, an arm pivoted to the standard, a motor mounted on the arm, means on the arm for carrying an abrasive disc and means for driving it by the rotation of the armature of the motor, said base having a hole through its top, a removable receptacle for sparks mounted in said hole and having a shoulder engaging the top of the base.

2,435,157 DRAWING MECHANISM FOR TEXTILE FIBRES

Fernand Piron, North Andover, Mass., assignor to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
Application August 29, 1945, Serial No. 613,340
3 Claims. (Cl. 19-131)

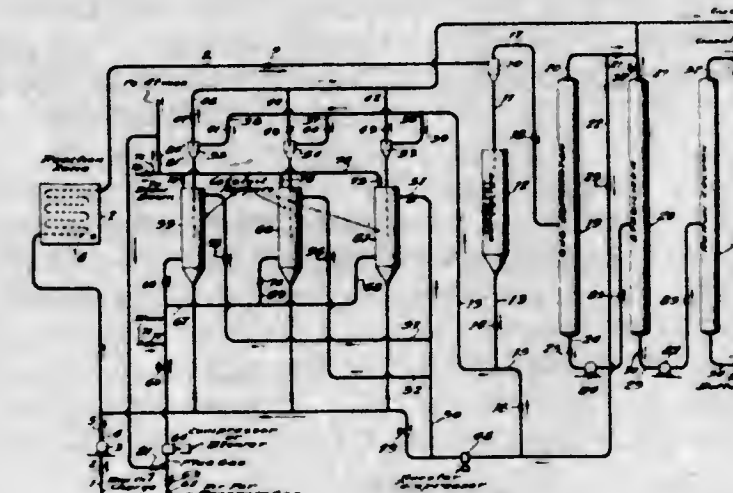


1. In a textile fibre drawing mechanism, in combination, pairs of rolls with said pairs arranged one in advance of the other for feeding a roving to be drafted and providing an initial draft therefor, and final draft means including a belt, a roll supporting the leading portion of said belt, a top delivery roll nipping said leading portion of said belt against said belt-supporting roll and driving said belt, means preceding said belt-supporting roll to support the portion of said belt back of said nip in resilient contact with said top delivery roll and without nipping the belt against said top delivery roll, and means for ten-

sioning said belt whereby the roving is pressed gently between the belt and the top delivery roll until it reaches the nip between the top delivery roll and the belt-supporting roll at which nip the roving is firmly gripped.

2,435,158 HYDROCARBON CONVERSION PROCESS

Davis Read, Jr., Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 30, 1945, Serial No. 591,035
11 Claims. (Cl. 196-52)



1. A process for converting hydrocarbons which comprises passing a stream of hydrocarbons containing suspended spherical particles of catalyst through a reaction zone maintained at conversion conditions, separating catalyst from conversion products, fractionating said conversion products to separate a stream of normally gaseous products, suspending said separated catalyst in at least a portion of the stream of normally gaseous products, supplying the resultant suspension to a catalyst regenerating zone and therein separating catalyst from the gaseous products and retaining the separated catalyst, stopping the flow of said suspension into the regenerating zone after a predetermined time and regenerating the catalyst therein contained at relatively low pressure, thereafter supplying another portion of said stream of gaseous products under elevated pressure to said regenerating zone to provide sufficient pressure therein to force said catalyst into said stream of hydrocarbons prior to conversion of the latter, and then discharging the catalyst from the regenerating zone into the last-named stream under the pressure thus provided in the regenerating zone.

2,435,159 PROCESS OF STABILIZING FATTY MATERIALS CONTAINING OLEIC ACID AND HIGHER POLYUNSATURATED FATTY ACIDS

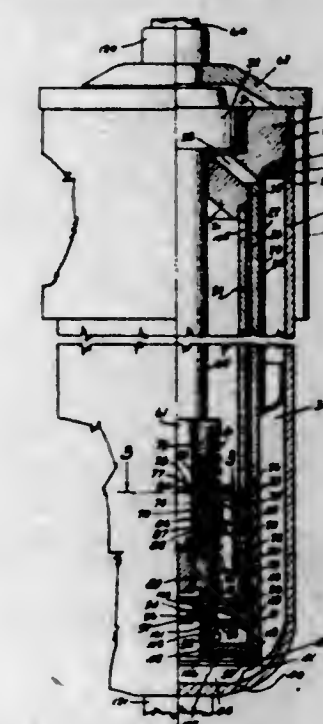
John Ross, Ramsey, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application June 30, 1944, Serial No. 543,049
9 Claims. (Cl. 260-413)

3. The process of stabilizing a mixture of fatty acids containing oleic acid and at least 1 polyunsaturated higher fatty acid which comprises subjecting the alkali salts thereof in the presence of an excess of alkali in the proportion of 2 to 10 mols of alkali per mol of fatty acids to a temperature at which and for a time such that the polyunsaturated fatty acid salts are substantially converted to saturated fatty acid salts, said temperature being below 310° C.

606 O. G.-42

2,435,160 DIRECT-ACTING HYDRAULIC SHOCK ABSORBER

Edwin F. Rossman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 10, 1946, Serial No. 660,995
10 Claims. (Cl. 188-88)



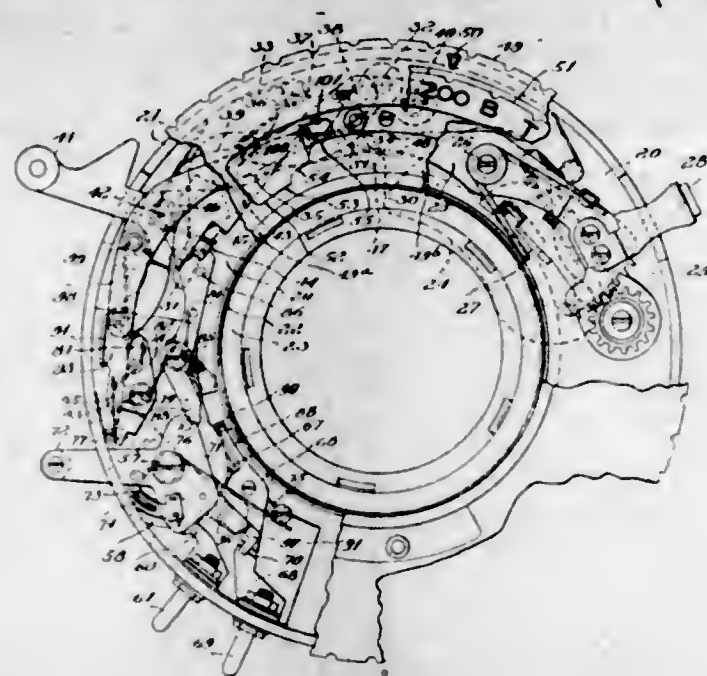
4. An hydraulic shock absorber comprising in combination, a working cylinder having a head at one end and a valve cage at the other; a fluid containing reservoir connected with the cylinder through the valve cage; means connecting the reservoir with the cylinder adjacent its head; a piston rod slidably extending through the head, into the cylinder and having a piston attached thereto, said piston having a plurality of valved passages for establishing controlled fluid flow through the piston in either direction in response to its reciprocation by the rod; a valve in the valve cage normally shutting off communication between the cylinder and reservoir and operative by fluid pressure to establish a substantially unrestricted flow of fluid from the reservoir into the cylinder as the piston moves toward the cylinder head; a second valve in the valve cage normally engaged by the first mentioned valve and yieldably urged normally to close the means of communication between the cylinder portion adjacent its head and the reservoir, said second valve being inoperative by fluid pressure but bodily movable by the said first mentioned valve, as it is moved by fluid pressure in the cylinder resulting from movement of the piston toward the valve cage, to open said means of communication whereby fluid displaced by the piston rod is directed to the reservoir through said means.

2,435,161 PHOTOFLASH SYNCHRONIZING MECHANISM

Alfred Schwarz, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,123
12 Claims. (Cl. 95-11.5)

1. A photographic shutter comprising blade means having a timing device adapted to be selectively positioned for effecting "time" or "bulb" operation of said means, a photoflash synchronizer mechanism comprising a flash bulb circuit, an actuating connection between said shutter and mechanism, an element movable to and from position for obstructing the operation of said mechanism and a connection between said

element and said device, actuated by the positioning of said device for "time" or "bulb" operation.



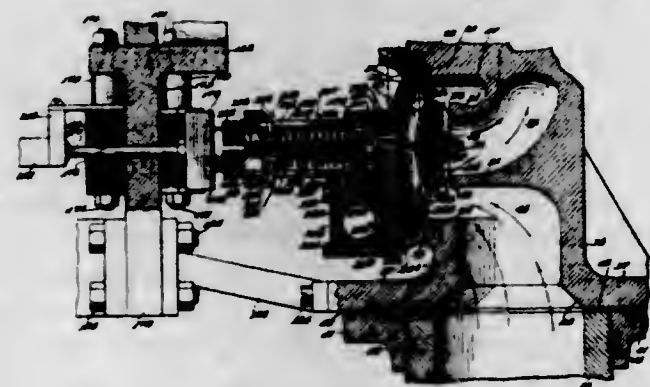
ation of said means, for moving said element to obstruct said mechanism.

2,435,162 VALVE FOR USE WITH AIR BLAST CIRCUIT BREAKER

William Maxwell Scott, Jr., Bryn Mawr, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application December 21, 1940, Serial No. 371,092, now Patent No. 2,390,966, dated December 11, 1945. Divided and this application January 4, 1944, Serial No. 516,918

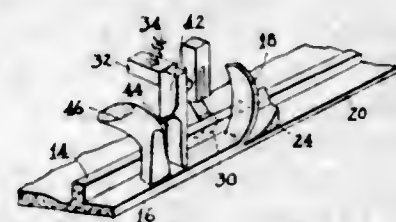
1 Claim. (Cl. 137-139)



In a control mechanism, a source of compressed air, an air passage, a housing therefor, a valve seat, a second air passage communicating with said source of compressed air and with said first passage across said valve seat, a valve disc for engaging said seat to prevent flow between said passages, a flexible diaphragm secured to said housing and supporting said valve disc, said diaphragm being movable toward and away from said seat, a member secured to said housing and enclosing the face of the diaphragm opposite said disc to form a dome-shaped space, means for controlling the pressure within said dome-shaped space for governing the engagement and disengagement of said valve disc and valve seat comprising a conical control chamber in said member having a discharge opening, a nozzle for discharging air into said chamber toward said opening, said nozzle being coaxial with said discharge opening, a passage from said nozzle to said source of air pressure, a duct between said chamber and said dome-shaped space, and a valve controlled by adjustable electromagnetic means for controlling the flow of air from said discharge opening.

2,435,163 MEANS FOR FORMING SEWING RIBS FOR WELT-TYPE INSOLES

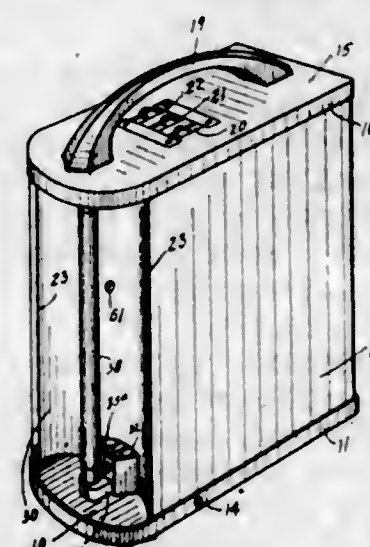
Victor A. Sherbrook, East Millbury, Mass., assignor to Paul O. MacBride, Waban, Mass.
Application May 27, 1946, Serial No. 672,351
14 Claims. (Cl. 12-27)



12. Apparatus for reducing the thickness of the feather of a welt-type insole having a rib comprising a unit capable of reciprocation in the direction of the length of the feather, said unit comprising a knife in position to cut the feather, a presser gauge engaging the feather adjacent and in advance of the knife edge and a pressure guide engaging the rib at the side thereof opposite the knife, and a feather-holding foot reciprocable normal to the feather and transverse to the direction of reciprocation of the unit in position to substantially engage the presser gauge during the cutting stroke of the unit.

2,435,164 FLUORESCENT HAND LAMP

Alfonse D. Sobel, Brooklyn, N. Y., assignor to Paramount Industries, Inc., New York, N. Y.
Application May 8, 1946, Serial No. 668,103
4 Claims. (Cl. 240-10.65)



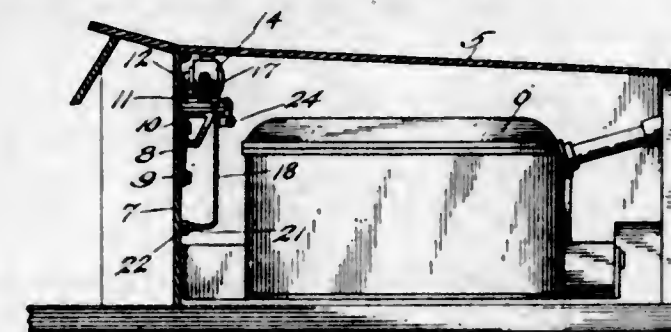
1. A portable fluorescent lamp comprising: an elongated open U-shaped wall member having a seating groove extending longitudinally of each open edge, top and bottom flanged closure members engaging opposite ends of said wall member and adapted to be secured thereto, a translucent front member retained in position by said seating grooves and said closure members, an elongated unitary fluorescent tube support and reflector assembly having longitudinal edges terminating in said grooves and retained in position by said front member and said closure members.

2,435,165 TROUBLE LIGHT FOR AUTOMOBILES

Stanley F. Stelmack, Philadelphia, Pa.
Application June 6, 1945, Serial No. 597,831
1 Claim. (Cl. 240-8.18)

A trouble light for an automobile comprising a base, means for supporting the base on a part of the automobile, a post arising from the base and having an upper end yoke, a lamp housing pivoted in the yoke, a battery on the base, an extension cord having one end electrically con-

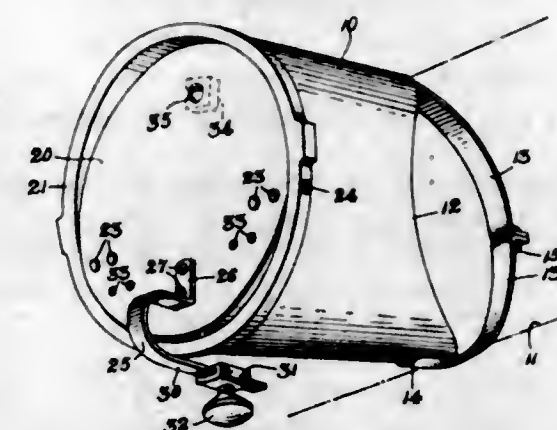
nected to the lamp in the housing and its other end for connection in the electric system of the automobile, a switch on said base connected to the extension cord and arranged to cut in the



lamp with either the battery or said system, and a spool for winding said cord thereon mounted on the post to rest on the base and surrounding said post and battery.

2,435,166 DRAFT CONTROL

William B. Stephenson, Fond du Lac, Wis.
Application March 16, 1944, Serial No. 526,808
3 Claims. (Cl. 236-45)



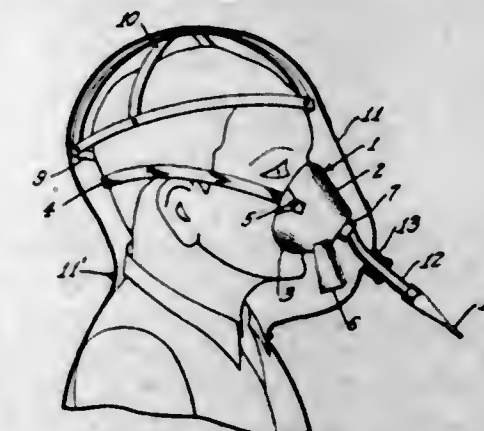
2. A draft control comprising, in combination, a cylindrical duct adapted to be connected over an opening in a flue with its axis substantially horizontal, a tubular frame telescopically fitted into the outer end of said duct for rotary adjustment, a substantially circular damper plate pivotally supported in said frame to rock about an axis located substantially in the plane of the plate below and parallel to the center line of the plate so as to present a slightly greater area above said axis to the action of the draft in said flue whereby the plate is automatically tilted to admit air into the upper portion of said duct, a counterbalance for said damper plate comprising a generally U-shaped bracket having substantially horizontally spaced parallel legs, one of said legs being bent laterally for attachment to the front face of said damper plate and extending forwardly therefrom and the other leg extending substantially perpendicular to the plane of the damper plate and projecting at both sides thereof at one side of said duct, a weight shiftable along said other leg of the bracket selectively into position at either side of said axis, and means for locking said weight to said other leg in selected positions of adjustment.

2,435,167 PROTECTIVE DEVICE

Robert S. Stetson, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application August 8, 1944, Serial No. 548,609
4 Claims. (Cl. 128-141)

1. A device for the protection of the wearer against dust comprising in combination a respirator mask adapted to cover the oral and nasal openings of the wearer, said mask being provided

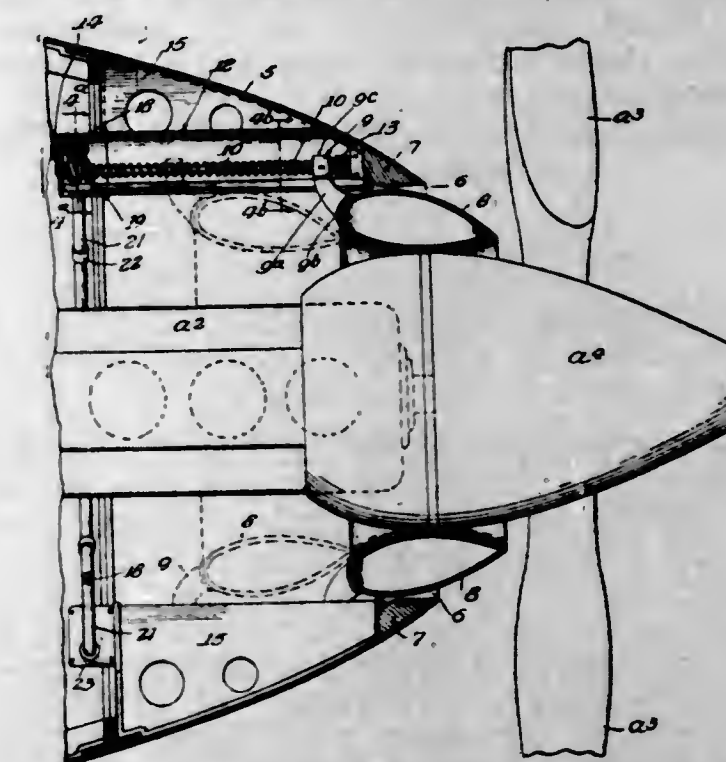
with an air inlet having a filter and an air outlet, a hood adapted to cover substantially completely the head of the wearer, a portion of said hood in front of the eyes of the wearer being transparent, at least the major portion of the remainder of the hood being constructed of flexible material permeable to air and water vapor and resistant to the



passage of dust, flexible means for discharging exhaled air from said outlet exteriorly of said hood, said air inlet being located within said hood, whereby breathing of the wearer promotes circulation of air within said hood and discharge of moisture in the breath of the wearer exteriorly of said hood.

2,435,168 AIRPLANE ENGINE NACELLE

Dalton B. Suggs, Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application November 20, 1944, Serial No. 564,392
3 Claims. (Cl. 123-171)

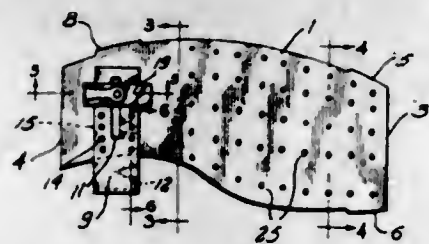


1. The combination with an airplane having a spinner equipped propeller and a propeller driving engine adjacent the propeller, of a tubular nacelle extending around and longitudinally of the engine, adapted to have air flow longitudinally therethrough for engine cooling purposes and having the end thereof that is adjacent the propeller of substantially circular contour, fixed, and spaced from the spinner so as to form an annular opening therebetween, and a single annular plug flap of airfoil cross section positioned concentrically with respect to, and adapted to control the flow of air through, the nacelle, having substantially the same external and internal diameters as, and disposed in alignment with, said opening, and mounted so that it is shiftable axially back and forth between an open position wherein it is disposed wholly within the nacelle and a closed position wherein it fits within, and serves by a wedging action substantially fully to close, said opening.

2,435,169

ANTISLIP DEVICE FOR FOOTWEAR

Fritz Vorsanger, Englewood, N. J.

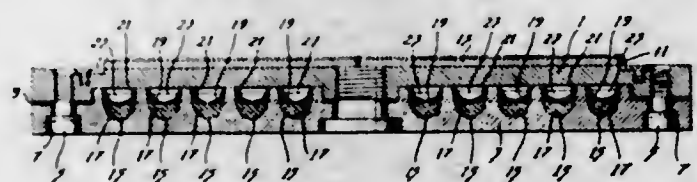
Application December 6, 1945, Serial No. 633,071
2 Claims. (Cl. 36-7.7)

1. A detachable anti-slipping device for shoes including a tread plate adapted to underlie the sole of a shoe and being formed with oppositely disposed fixed shoe sole engaging clamps, said plate being punched to provide a plurality of depending anti-skid spurs, a depending threaded stud fixed to said tread plate, a slotted clamp arm adjustably disposed over said stud, parallel rows of spaced locking detents on the upper surface of said clamp arm arranged parallel with said slot and at the opposite sides thereof, similarly formed rows of spaced sockets in the bottom surface of said tread plate, and a lock nut member on the threaded lower end of said stud overlying said slotted clamp arm for holding said parts in the desired adjusted position.

2,435,170

APPARATUS FOR MOLDING PLASTIC ARTICLES

Theodore Wachs, Bala-Cynwyd, Pa., and James M. Shutt, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application April 1, 1946, Serial No. 658,758
10 Claims. (Cl. 18-5.3)

8. A die holder for molds useful in molding plastic articles which comprises a pair of cooperating plates of heat conductive material, one of said plates being formed with a channel, said plates being connected in opposed, fluid tight relation with one surface of the other of said plates covering said channel to provide a passage for the reception, alternately, of heating and cooling fluids, said other plate being adapted to receive a die on its opposite surface in heat transfer relation therewith, heat insulating means in said channel covering the bottom and side walls thereof to a substantial height for concentrating the heating and cooling effects, respectively, of said heating and cooling fluids in said other plate, and a cover over said insulating means connected to the walls of said channel in fluid tight relation therewith.

2,435,171

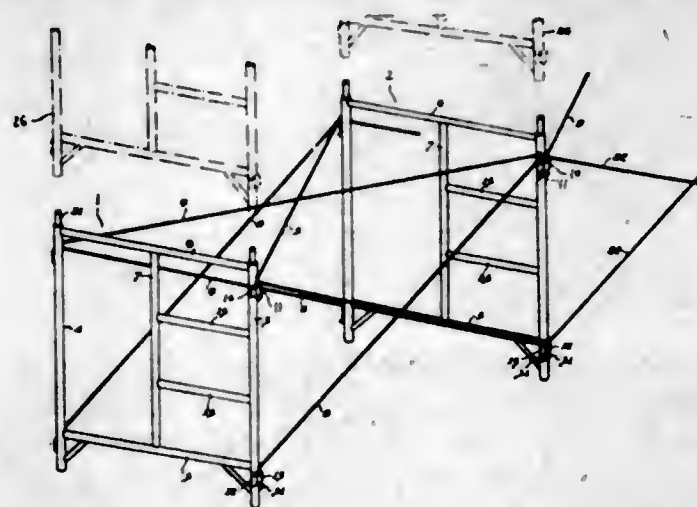
SCAFFOLD

Daniel I. Weiss, Zellenople, Pa., assignor to Universal Fittings & Scaffolding Company, Zellenople, Pa., a corporation of Pennsylvania

Application June 19, 1946, Serial No. 677,837
13 Claims. (Cl. 304-2)

1. A scaffold comprising a pair of spaced parallel end frames each having a pair of legs connected near their upper ends by a horizontal brace adapted to support scaffold planking, ver-

tical sleeves rigidly mounted on the sides of the legs, and side braces for holding said frames upright, the ends of each side brace projecting downwardly and being removably disposed in a pair of

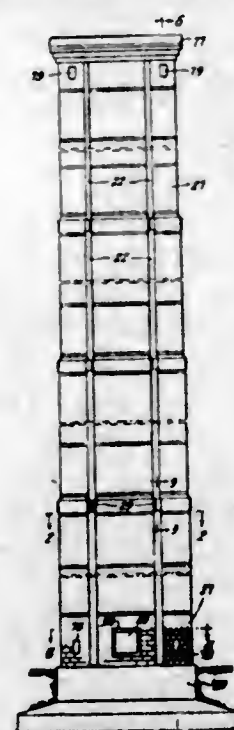


said sleeves, whereby pairs of telescoping members are formed, and a spring connected to one of each pair of said members and releasably engaging the other member to hold them together.

2,435,172

STACK FOR FURNACES

William George Young, Chicago, Ill., assignor to Chicago Fire Brick Company, a corporation of Illinois

Application March 31, 1945, Serial No. 585,903
12 Claims. (Cl. 72-93)

2. A stack of the character described, comprising a framework and inner and outer walls supported by said framework, said walls being spaced substantially from bottom to top thereof to provide a vertical air passage in said stack, said stack being provided with inlet means for admitting air from externally of said stack thereto adjacent the bottom thereof and with outlet means for discharging air therefrom adjacent the top thereof, and being fluid tight between said inlet and outlet means.

2,435,173

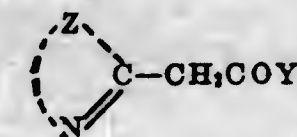
ACETYL N-HETEROCYCLIC COUPLERS FOR COLOR PHOTOGRAPHY

Abraham Baveley, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 7, 1944, Serial No. 539,176
7 Claims. (Cl. 95-6)

1. A photographic silver halide emulsion having incorporated therein, as a non-diffusing color

forming development component, a compound having the following formula:

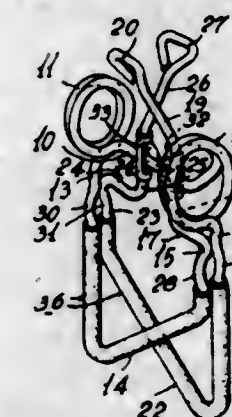


wherein Z represents the residue of a member of the group consisting of pyridine, quinoline and isoquinoline nuclei and wherein Y is selected from the group consisting of -R, -OR, and -NHR, in which R is a member of the group consisting of alkyl, aryl and aralkyl radicals.

2,435,174

CLASP

Eddie J. Bell, Ingleside, Tex.

Application January 19, 1946, Serial No. 642,277
7 Claims. (Cl. 24-261)

1. In a clasp made of a single piece of wire, a central bar, a spring coil at one end of the bar, a clamping member extending from the coil, a handle member extending from the clamping member and crossing the bar, a handle at the end of the handle member, an offset in the handle member where it crosses the bar, a second spring coil at the other end of the bar, a second clamping member extending from the second coil and normally substantially in contact with the first-mentioned clamping member, a second handle member extending from the second clamping member and crossing the bar on the side opposite to the first handle member, a second handle at the end of the handle member, the handle members after crossing the bar diverging, a second offset in the second handle member where it crosses the bar, and anchor members straddling the offsets and each on the other side of the bar from its offset.

2,435,175

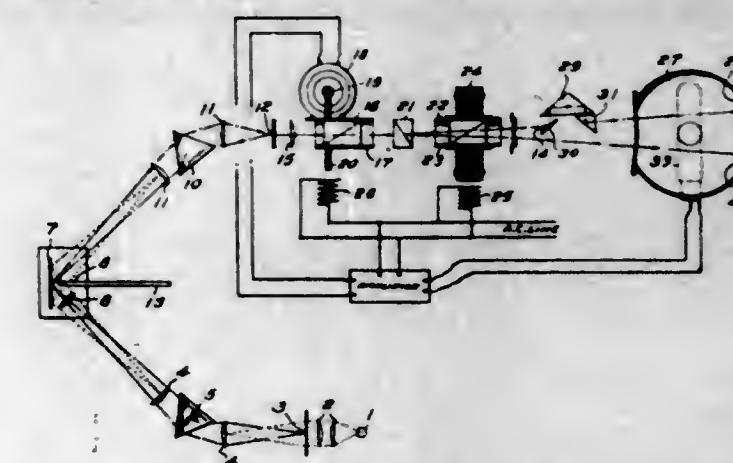
FLICKERING BEAM SPECTROPHOTOMETER FOR THE MEASUREMENT OF BRONZE

George L. Buc, Orange, and Edwin I. Stearns, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application August 8, 1946, Serial No. 689,144
7 Claims. (Cl. 250-41.5)

1. In a flickering beam spectrophotometer comprising a monochromator, a photometering element, a beam splitter, means for causing the two beams to flicker in opposite phases, means for integrating the light from the two beams, photoelectric means responsive to fluctuations in said integrated light at flicker frequency, said photoelectric means constituting the input to a high gain vacuum tube amplifier, and driving means for the photometering element actuated by the amplified flicker frequency output of the amplifier, the improvement which comprises means in one of the flickering beams, including a surface adapted to be coated with a coating, the

bronze of which is to be measured, and capable of causing light from the flickering beam to strike

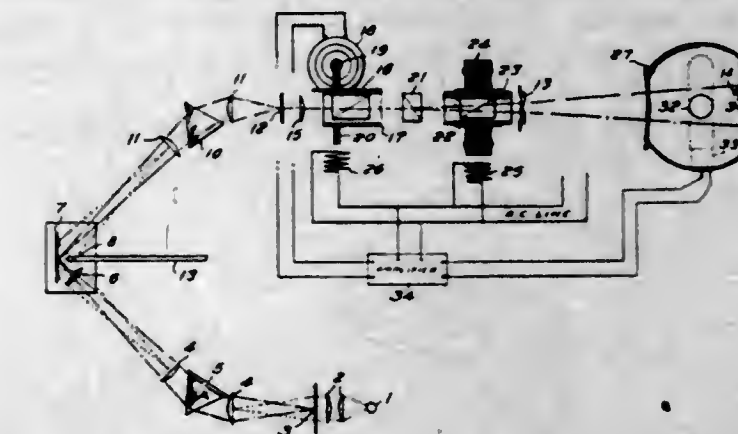


said surface at an angle and means for redirecting specularly reflected light from said surface into the integrating means.

2,435,176

FLICKERING BEAM SPECTROPHOTOMETER FOR THE MEASUREMENT OF BRONZE

George L. Buc, Orange, and Edwin I. Stearns, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application August 8, 1946, Serial No. 689,145
6 Claims. (Cl. 250-41.5)

1. In a flickering beam spectrophotometer comprising a monochromator, a photometering element, a beam splitter, means for causing the two beams to flicker in opposite phase, and an integrating sphere into which the two beams enter, photoelectric means capable of transforming flicker frequency fluctuations of integrated light into electric currents and constituting the input of a high gain vacuum tube amplifier, and electric driving means for the photometering element actuated by the amplified flicker frequency component of the amplifier, the improvement which comprises a target in the integrating sphere struck by one of the beams and comprising a surface inclined at least 15° to the normal of the beam and adapted to receive a coating, the bronze of which is to be measured.

2,435,177

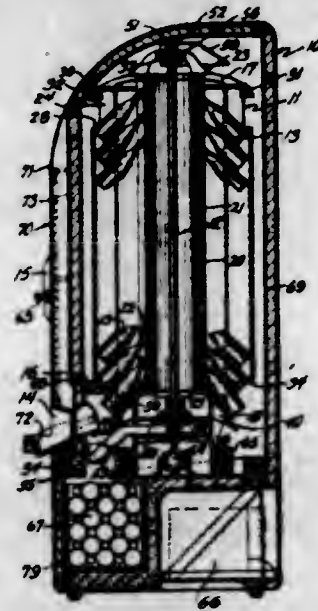
ARTICLE DISPENSING DEVICE

William S. Connell, Norwood Park Township, Cook County, Ill., and Paul F. Boettcher and Carl M. Holmen, Grand Haven, Mich., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application August 12, 1944, Serial No. 549,146
14 Claims. (Cl. 312-48)

4. In an article dispensing apparatus, slideways for supporting bottles therein and having an effective horizontal dimension less than that of the bottle to dispose the bottles one above the other in an inclined position, a supporting structure for holding the bottom bottle in a position of greater

incline from which the bottle will slide lengthwise under its own weight when free to do so, a releasable stop for preventing the bottom bottle's slid-

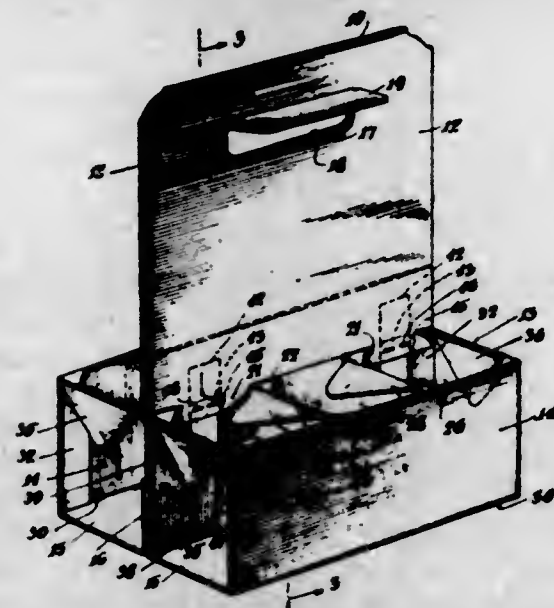


ing lengthwise, and means for transferring a bottle from said slideway means to said supporting structure when said slideway means is moved relative to said structure.

2,435,178
BOTTLE CARRIER

Henry Hall Marshall, Garden City, N. Y., assignor, by mesne assignments, to Pabst Brewing Company, Chicago, Ill., a corporation of Delaware

Application April 11, 1944, Serial No. 530,453
8 Claims. (Cl. 224-45)



1. A bottle carrier comprising a pair of bottle receiving compartments with an upstanding partition therebetween provided with parallel vertical slots, and a handle portion having a handhole and provided with slides guided and retained in said slots, said slides when at the lower ends of said slots locating said handle portion below the tops of said bottles, and when at the upper ends of said slots locating said handhole clear of said bottle tops.

2,435,179
OIL WELL PUMP

Albert Carl McGovney, Coffeyville, Kans., assignor to Multiscope, Inc., Coffeyville, Kans., a corporation of Kansas

Application March 25, 1946, Serial No. 656,910
12 Claims. (Cl. 103—46)

1. A deep well pump comprising an axially elongated body having a diameter less than the bore hole of the well, a pair of oppositely acting pumps arranged in axially displaced relation in said body; each of said pumps having a cham-

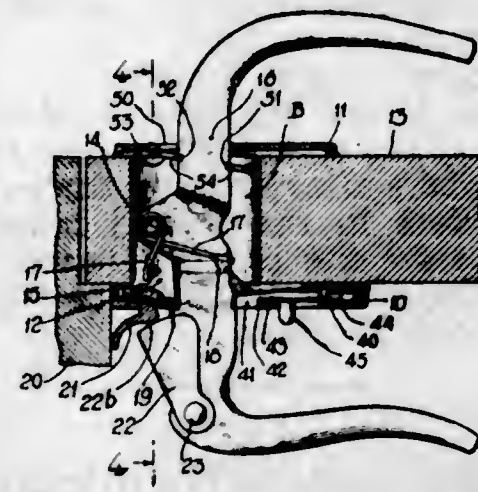
ber for pumping fluid, a chamber for working fluid, and a movable wall separating the pumping fluid from the working fluid; fluid conduits interconnecting the working fluid chambers of said pumps, said working fluid chambers and



conduits constituting a closed system containing a fixed volume of working fluid; powered means located in one of said conduits for forcing circulation of working fluid through said conduits; and valves controlling the flow of pumping fluid.

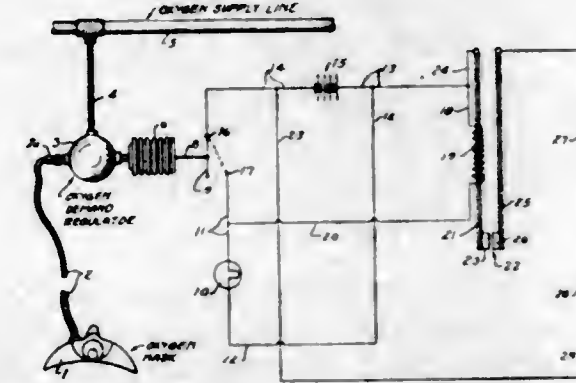
2,435,180
LATCH

Charles Ledin, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application April 25, 1944, Serial No. 532,583
15 Claims. (Cl. 292-228)



8. In a latch of the class described, a mounting member adapted to be applied to a door, a handle pivotally mounted on said mounting member and having hand grips adapted to extend outwardly at each side of the door whereby said handle may be swung on its pivot, a channel shaped latch bolt pivoted on said handle at a point displaced outwardly from said door and with the handle lying between the flanges of the U formed by the channel, said latch bolt extending from said pivot point toward said door, a latching surface formed on said latch bolt between the door and said pivot point, spring means for pressing said latch bolt to latching position about said pivot, a spring moving said handle and latch bolt together toward latching position, said latch bolt being movable with said handle to non-latching position against said spring and being movable also on its pivotal mounting against said spring means and relatively to said handle into non-latching position.

2,435,181
BREATHING INDICATOR
 Harold W. Lindsay, Redwood City, Calif., assign-
 or to the United States of America, as repre-
 sented by the Secretary of War
 Application December 18, 1945, Serial No. 635,741
 4 Claims. (Cl. 177—311)



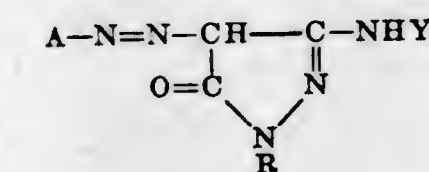
1. In an oxygen warning system of the character described, in combination, an oxygen supply source; an oxygen mask; a conduit connecting the oxygen mask with the source of supply; a pressure-responsive switch operatively associated with said conduit and opening and closing responsive to variations in pressure due to consumption of oxygen by the person wearing the mask; an electric circuit associated with said switch including a source of electric power, a warning indicator which is electrically operated, and a thermal device which is continually being heated upon closing of said switch; and connections between the thermal device and the warning indicator so constructed and arranged that cooling of the thermal device below a certain predetermined temperature will cause the indicator to show or sound a warning.

2,435,182
METALLIZABLE AZO DYES CONTAINING A
PYRAZOLONE RADICAL

Robert Sidney Long and Charles Edward Lewis,
Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation
of Maine

**No Drawing. Application December 8, 1944,
Serial No. 567,306
8 Claims. (Cl. 260-162)**

1. Azo dyes represented by the formula

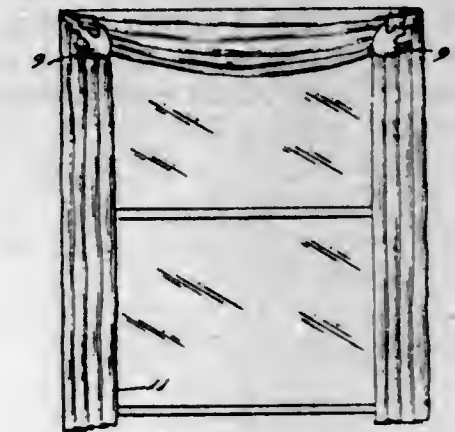


in which A is the radical of a diazotized amine selected from the group consisting of amines of the benzene and naphthalene series having in the ortho position to the amino substituent a metallizable substituent selected from in the group consisting of hydroxyl, alkoxyl, and carboxylic acid groups, R is an aryl group containing not more than two fused rings, and Y is selected from the group consisting of hydrogen, acyl, and phenyl.

2,435,183
DRAPERY HANGER
 Elizabeth Pezzella, Philadelphia, Pa., assignor to
 Filomeno Pezzella, Philadelphia, Pa.
 Application February 15, 1946, Serial No. 647,735
 1 Claim. (Cl. 160—84)

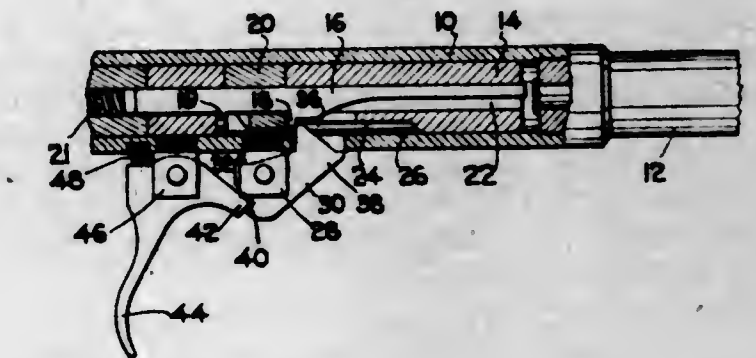
A drapery hanger, comprising a member hav-
ing upwardly and outwardly directed, spaced and

parallel fingers forming superimposed slots into which the drapery is to be inserted, and a retaining member, having inwardly and downwardly



directed spaced and parallel fingers of less width than the width of said slots, to enter said slots and bind the drapery therein.

2,435,184
SEAR AND BOLT MECHANISM FOR
SINGLE-SHOT FIREARMS
Eugene G. Reising, Hartford, Conn.
Application May 7, 1945, Serial No. 592,302
2 Claims. (Cl. 42—16)



1. A bolt-action firearm comprising a receiver, a hand-operated bolt therein, a firing pin, a sear, said sear having a nose provided with a rear firing pin stopping face and a forward inclined face, said bolt having a slot receiving the sear nose, said slot terminating in an inclined abutment adjacent the forward end of the bolt for engagement with the inclined sear nose face to cam the sear out of the slot, and a trigger normally locking the sear with the sear nose in the bolt slot, said trigger being actuatable to release the sear, and yielding means to urge the sear to bolt stopping position.

2,435,185
FOUNTAIN PEN
Milton Reynolds, Chicago, Ill.
Application February 4, 1946, Serial No. 645,337
5 Claims. (Cl. 120—49)

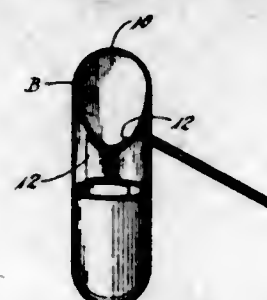
1. In a fountain pen comprising an elongated tubular body adapted in connection with a normal writing operation to be held in an upstanding position, embodying in its interior a compartment for ink and provided at its lower end with a reduced tubular concentrically disposed depending stem communicating with, and adapted to receive ink from, the compartment, said stem having the upper part thereof enlarged and its lower part reduced and of substantially uniform thickness from end to end, having the lower extremity of its upper part downwardly tapered, and embodying at its lower end a writing instrumentality for applying ink to a writing surface, a one-piece guard sleeve

extending around the stem, having the upper and lower ends thereof in sliding engagement with the upper and lower parts of the stem, respectively, slidable back and forth between an up position wherein its lower end is disposed above the writing instrumentality and a down position wherein its lower end surrounds and houses said instrumentality, having its lower end continuous and rigid and provided with a portion in engagement



with the lower end of the stem when the sleeve is in its down position, and having its upper end slit longitudinally so that it is flexible laterally, and means in the form of a substantially annular internal rib on the upper extremity of the upper end of the guard sleeve and upper and lower annular grooves in the enlarged upper part of the stem for firmly but releasably locking the sleeve in its said up and down positions.

2,435,186
PNEUMATIC TIRE FOR MODEL AERO-
PLANES AND THE LIKE
William H. Trexler, Ravenna, Ohio
Application October 19, 1942, Serial No. 462,595
13 Claims. (Cl. 152-330)

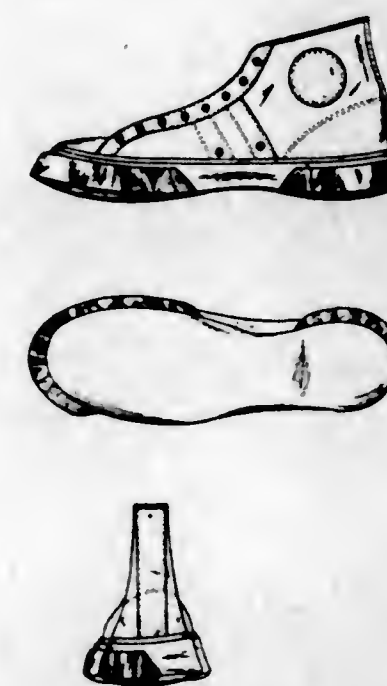


1. An article of manufacture adapted to form a single-tube pneumatic tire and comprising a one-piece hollow body having flexible walls of rubbery material; said body including a circular bulbous portion having an outer circumferential configuration conforming generally to the outer circumferential configuration of the desired tire and having opposed apertures substantially at the center of the bulbous portion, and a tubular extension projecting outwardly about at least one of said apertures, the wall of said extension being formed of freely extensible rubbery material and being readily bendable from the outwardly projecting position to an inwardly projecting position so that the said extension may be reversed and turned inward through both said apertures to form the inner circumference of the tire, said extension having a sharply flared, curving, configuration adapted, when reversed, to embrace snugly an opposed curved portion of said body in overlapping but freely slidable relation and to form a seal therewith, upon inflation, solely by resilient pressure of one of said overlapped members against the other.

DESIGNS

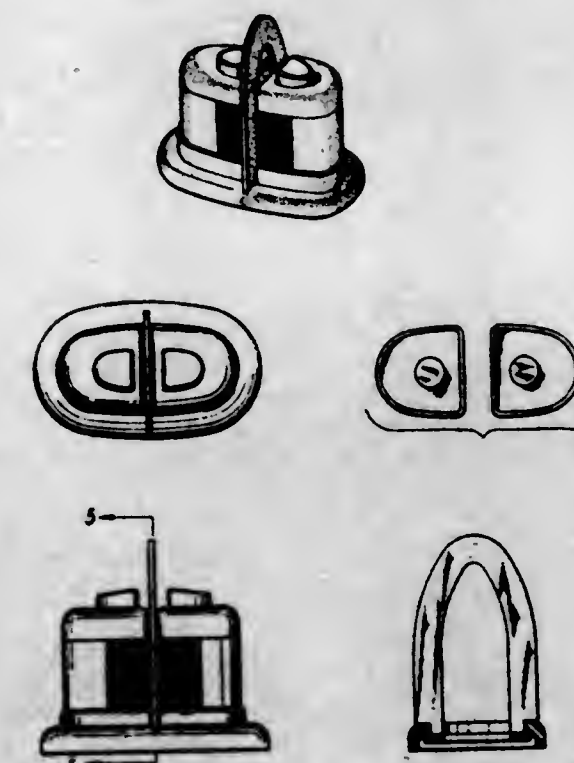
JANUARY 27, 1948

148,451
DESIGN FOR A SPORT SHOE OR SIMILAR
ARTICLE
Morris P. Arnoff, New York, N. Y.
Application August 14, 1947, Serial No. 140,854
Term of patent 14 years
(Cl. D7-7)



The ornamental design for a sport shoe or similar article, as shown.

148,452
DESIGN FOR A CONDIMENT DISPENSER SET
Wade E. Ballard, Los Angeles, Calif., assignor to
Modern Plastic Co., Los Angeles, Calif., a
partnership
Application May 20, 1946, Serial No. 129,883
Term of patent 7 years
(Cl. D44-22)



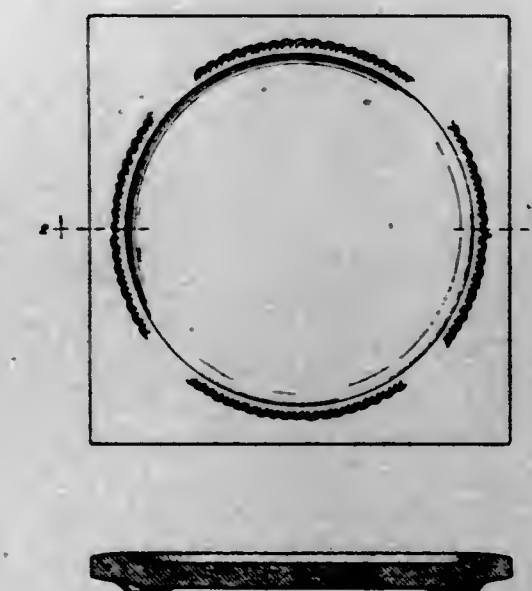
The ornamental design for a condiment dispenser set, as shown.

148,453
DESIGN FOR A MEAT HOLDER AND
CARVER'S AID
Phillip Betten and Maxwell Lehrhaupt,
Brooklyn, N. Y.
Application February 21, 1946, Serial No. 126,782
Term of patent 14 years
(Cl. D11-1)



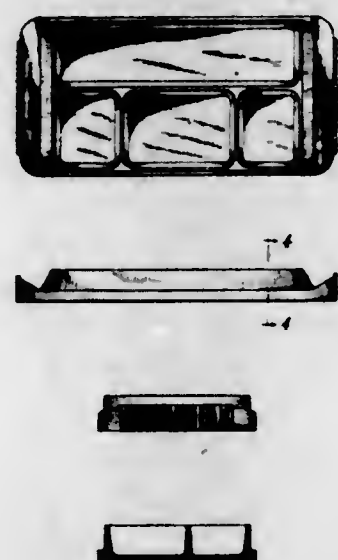
The ornamental design for a meat holder and carver's aid, substantially as shown.

148,454
DESIGN FOR A CERAMIC TABLE TILE
Herbert G. Blakeslee, Evanston, Ill., assignor to
Cory Corporation, Chicago, Ill., a corporation
of Delaware
Application July 15, 1946, Serial No. 131,575
Term of patent 14 years
(Cl. D44-10)



The ornamental design for a ceramic table tile, as shown.

148,455
**DESIGN FOR A STENOGRAPHER'S NOTE-
 BOOK STAND OR SIMILAR ARTICLE**
 Michael Bleich and William B. Axelrod,
 New York, N. Y.
 Application March 21, 1947, Serial No. 137,800
 Term of patent 7 years
 (Cl. D74—1)



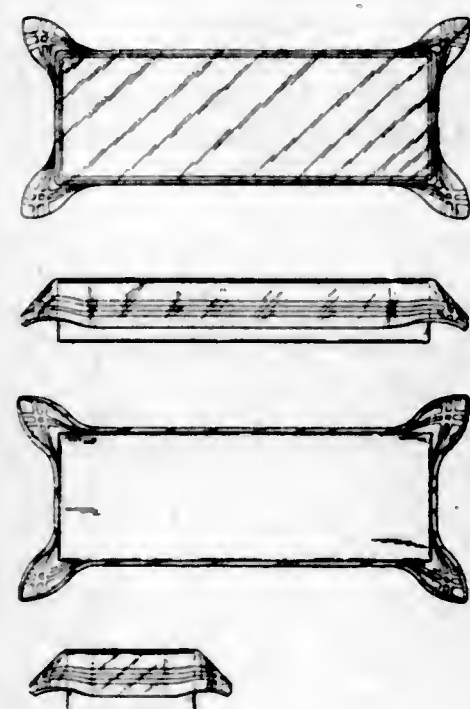
The ornamental design for a stenographer's notebook stand or similar article, as shown.

148,456
DESIGN FOR A BROOCH
 John Ciccerchia, North Providence, R. I., assignor
 to The Calco Company, Providence, R. I., a cor-
 poration of Rhode Island
 Application November 25, 1946, Serial No. 135,058
 Term of patent 3½ years
 (Cl. D45—19)



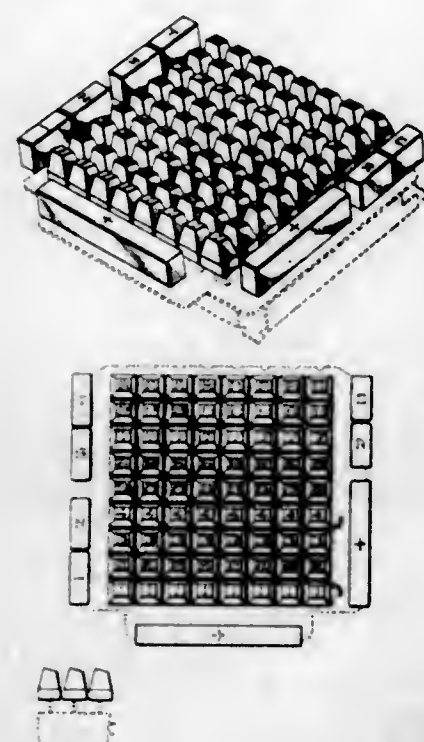
The ornamental design for a brooch, as shown.

148,457
**DESIGN FOR A CONTAINER FOR PENS AND
 PENCILS**
 Victor Civita, New York, N. Y.
 Application May 16, 1946, Serial No. 129,735
 Term of patent 3½ years
 (Cl. D58—12)



The ornamental design for a container for pens and pencils, substantially as shown.

148,458
**DESIGN FOR A KEYBOARD FOR CALCULAT-
 ING MACHINES OR SIMILAR ARTICLES**
 Hugh L. Clary, Pasadena, and Robert E. Boyden,
 Los Angeles, Calif., assignors to Clary Multi-
 plier Corporation, Los Angeles, Calif., a corpo-
 ration of California
 Application November 10, 1945, Serial No. 123,664
 Term of patent 14 years
 (Cl. D64—11)



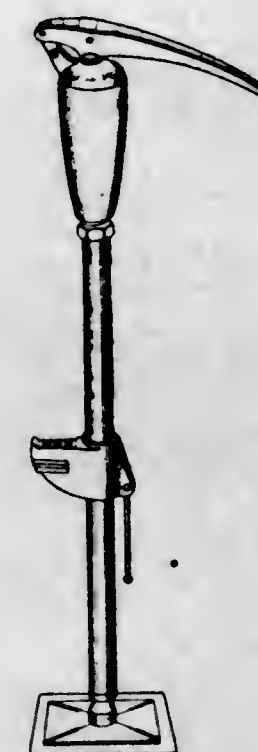
The ornamental design for a keyboard for calculating machines or similar articles, substantially as shown and described.

148,459
**DESIGN FOR AN ELECTRIC CONNECTOR
 PLUG OR SIMILAR ARTICLE**
 William H. Cook, Toledo, Ohio
 Application June 13, 1946, Serial No. 130,669
 Term of patent 14 years
 (Cl. D26—1)



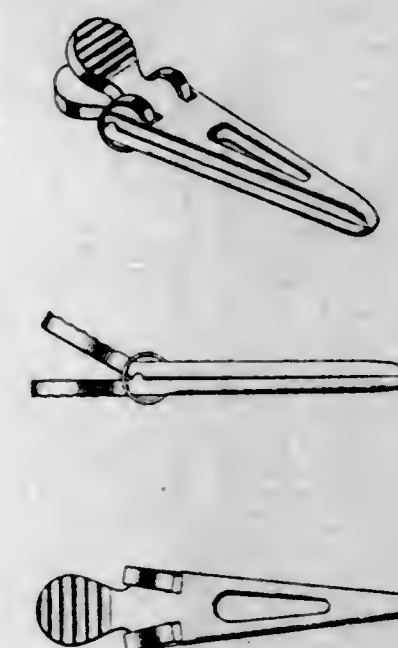
The ornamental design for an electric connector plug or similar article, substantially as shown.

148,460
DESIGN FOR A HYDRAULIC BUMPER JACK
 Harold W. Darr, Minneapolis, Minn., assignor to
 Midwestern Metal Products Co., Minneapolis,
 Minn., a corporation of Minnesota
 Application March 11, 1946, Serial No. 127,357
 Term of patent 14 years
 (Cl. D41—1)



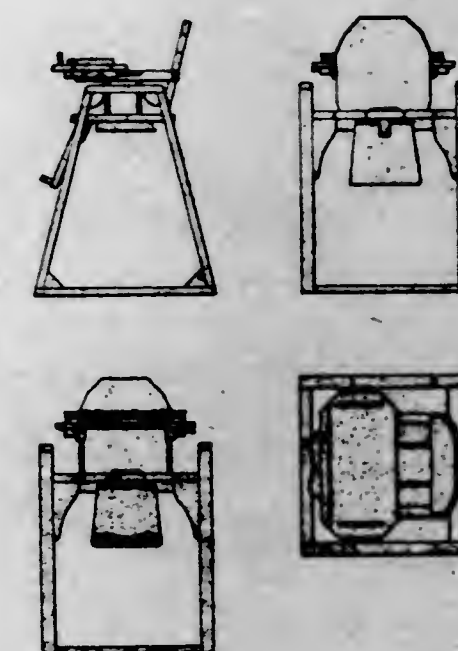
The ornamental design for a hydraulic bumper jack, as shown and described.

148,461
DESIGN FOR A HAIR CLIP
 Benedetto D'Alberto, Brooklyn, N. Y.
 Application April 9, 1947, Serial No. 138,256
 Term of patent 14 years
 (Cl. D86—10)



The ornamental design for a hair clip, as shown.

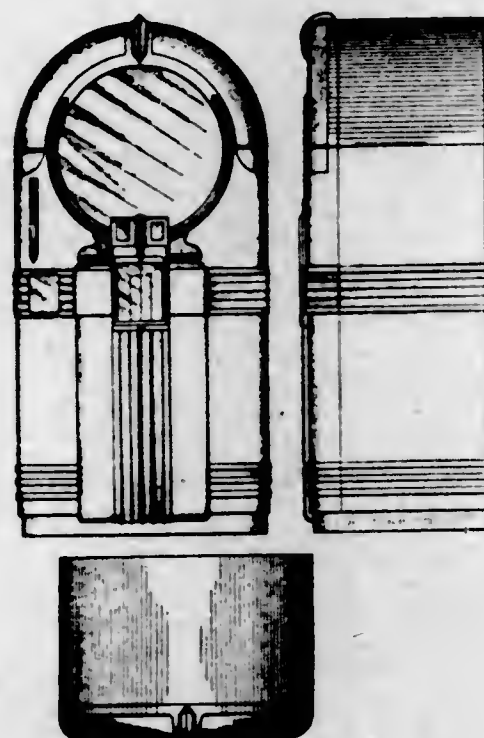
148,462
DESIGN FOR A CHILD'S CHAIR
 Homer C. Debo, Los Angeles, Calif.
 Application October 14, 1946, Serial No. 133,931
 Term of patent 14 years
 (Cl. D15—1)



The ornamental design for a child's chair, as shown.

148,463

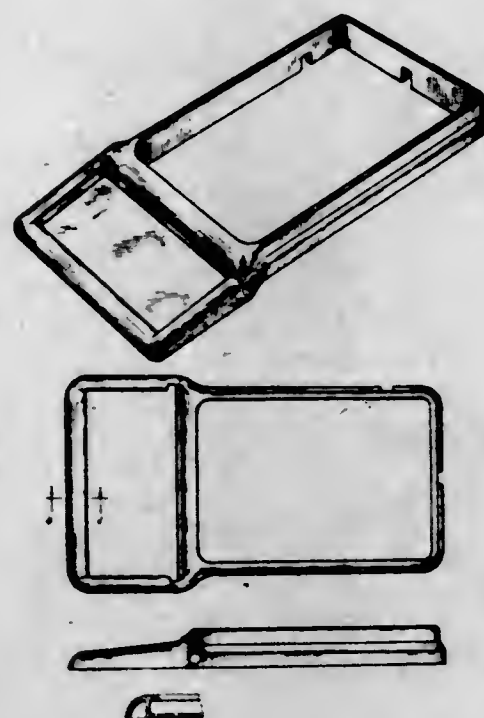
DESIGN FOR A BEVERAGE DISPENSER
 Paul M. Fuller, Buffalo, N. Y., assignor to The
 Rudolph Wurlitzer Company, North Tona-
 wanda, N. Y., a corporation of Ohio
 Application May 27, 1946, Serial No. 130,114
 Term of patent 3½ years
 (Cl. D52—3)



The ornamental design for a beverage dispenser, substantially as shown.

148,464

DESIGN FOR A COMBINED TELEPHONE STAND AND MEMORANDUM PAD HOLDER
 Oliver D. Goldman, Philadelphia, Pa.
 Application September 9, 1946, Serial No. 133,203
 Term of patent 14 years
 (Cl. D26—14)



The ornamental design for a combined telephone stand and memorandum pad holder, as shown.

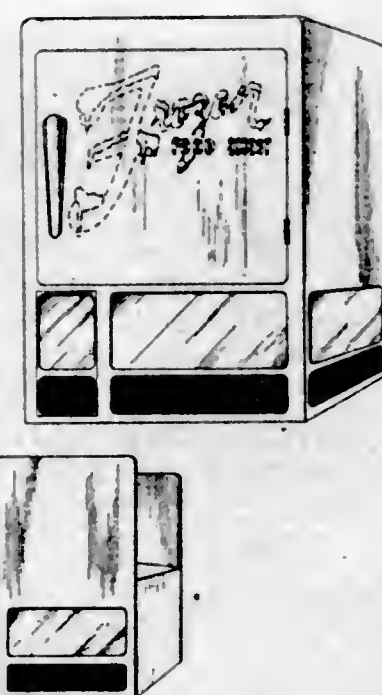
DESIGN FOR A CHARM OR SIMILAR ARTICLE
 David Gordon, Los Angeles, Calif.
 Application May 28, 1946, Serial No. 130,161
 Term of patent 3½ years
 (Cl. D45—17)



The ornamental design for a charm or similar article, substantially as shown.

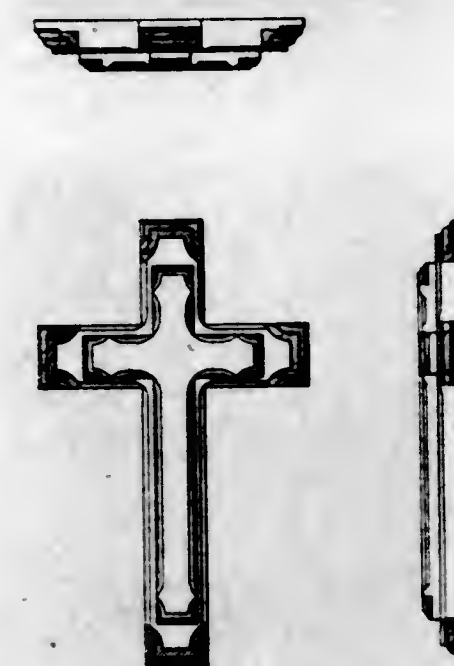
148,466

DESIGN FOR A BUILDING
 James L. Gordon, Amarillo, Tex.
 Application July 22, 1946, Serial No. 131,788
 Term of patent 14 years
 (Cl. D13—1)



The ornamental design for a building, as shown and described.

DESIGN FOR A DUAL CROSS COMMUNION SET
 Delphus Gondreau, Northbridge, Mass.
 Application April 14, 1947, Serial No. 138,392
 Term of patent 3½ years
 (Cl. D29—23)



The ornamental design for a dual cross communion set, as shown and described.

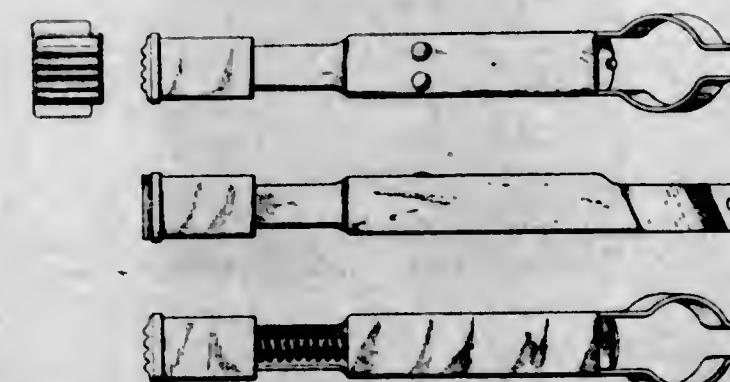
148,468

DESIGN FOR AN ORNAMENT FOR HANDBAGS OR THE LIKE
 Frank X. Hilttenbrand, Weehawken, N. J., assignor to Harry Rosenfeld, Inc., New York, N. Y., a corporation of New York
 Application September 26, 1946, Serial No. 133,589
 Term of patent 3½ years
 (Cl. D87—2)



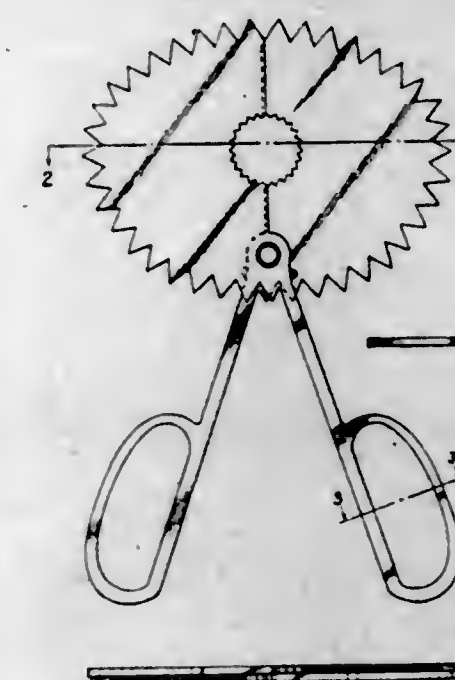
The ornamental design for an ornament for handbags or the like, substantially as shown.

DESIGN FOR A COMBINED ELECTRIC SWITCH AND RHEOSTAT
 Ray R. Hutcheson, Brooklyn, N. Y.
 Application October 4, 1946, Serial No. 133,764
 Term of patent 14 years
 (Cl. D26—13)



The ornamental design for a combined electric switch and rheostat, substantially as shown.

DESIGN FOR A VIGNETTER SCREEN
 Rolland B. Johns, Cleveland, Ohio
 Application August 14, 1946, Serial No. 132,503
 Term of patent 7 years
 (Cl. D61—1)



The ornamental design for a vignetter screen, as shown and described.

148,471

DESIGN FOR A BROOCH OR SIMILAR ARTICLE
 Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
 Application January 11, 1947, Serial No. 136,064
 Term of patent 7 years
 (Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

DESIGN FOR AN EARRING OR SIMILAR ARTICLE
 Adolph Katz, Providence, R. I.
 Application January 24, 1947, Serial No. 136,394
 Term of patent 7 years
 (Cl. D45—9)

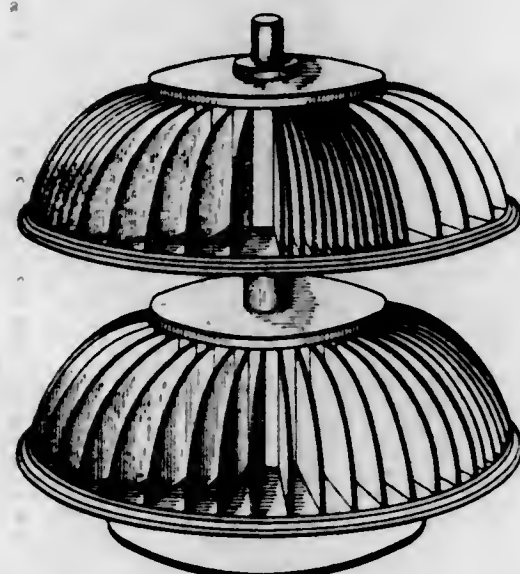


The ornamental design for an earring or similar article, substantially as shown.

148,473

DESIGN FOR A CATALOGUE RACK

Erik P. Krag, Peoria, Ill., assignor to The Frick-Gallagher Manufacturing Company, Wellston, Ohio, a corporation of Ohio
Application September 30, 1946, Serial No. 133,653
Term of patent 7 years
(Cl. D33—2)

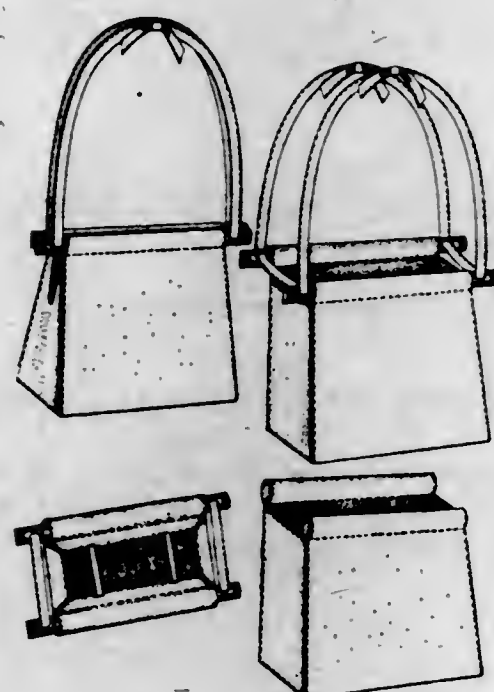


The ornamental design for a catalogue rack, as shown.

148,474

DESIGN FOR A HANDBAG OR SIMILAR ARTICLE

Florence Kuhlman, New York, N. Y.
Application April 23, 1947, Serial No. 138,549
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag or similar article, substantially as shown.

148,475

DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE

Hyman W. Lewine, New York, N. Y., assignor to Superba Cravats, Rochester, N. Y., a copartnership
Application March 3, 1947, Serial No. 137,305
Term of patent 14 years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

148,476

DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE

Hyman W. Lewine, New York, N. Y., assignor to Superba Cravats, Rochester, N. Y., a copartnership
Application March 3, 1947, Serial No. 137,306
Term of patent 14 years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

148,477

DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE

Hyman W. Lewine, New York, N. Y., assignor to Superba Cravats, Rochester, N. Y., a copartnership
Application March 3, 1947, Serial No. 137,307
Term of patent 14 years
(Cl. D92—1)

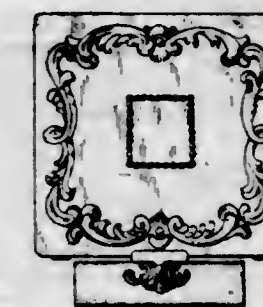


The ornamental design for a textile fabric or similar article, substantially as shown and described.

148,478

DESIGN FOR A COMBINED VANITY CASE AND LIPSTICK HOLDER

Ladislav Medgyes, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,481
Term of patent 7 years
(Cl. D86—10)

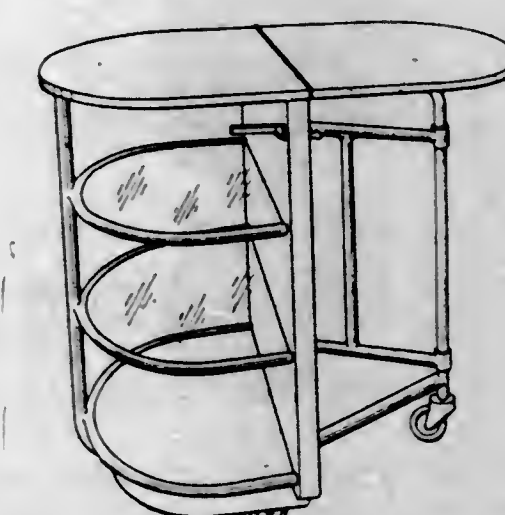
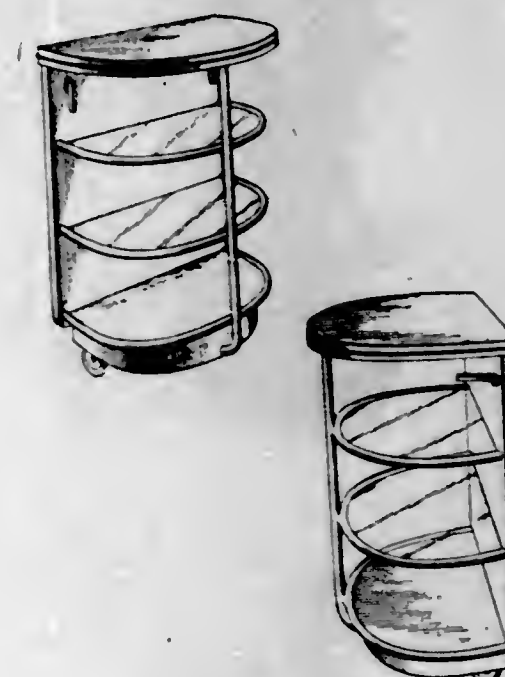


The ornamental design for a combined vanity case and lipstick holder, as shown.

148,479

DESIGN FOR A PORTABLE SHELF UNIT

Meyer M. Miller and Lottie K. Miller, Baltimore, Md.
Application February 20, 1946, Serial No. 126,758
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a portable shelf unit, substantially as shown.

148,480

DESIGN FOR A MOTION-PICTURE PROJECTOR

Lewis H. Moomaw, Great Neck, N. Y., assignor to De Jur-Amsco Corporation, Long Island City, N. Y., a corporation of New York
Application March 6, 1947, Serial No. 137,401
Term of patent 7 years
(Cl. D61—1)



148,480—Continued

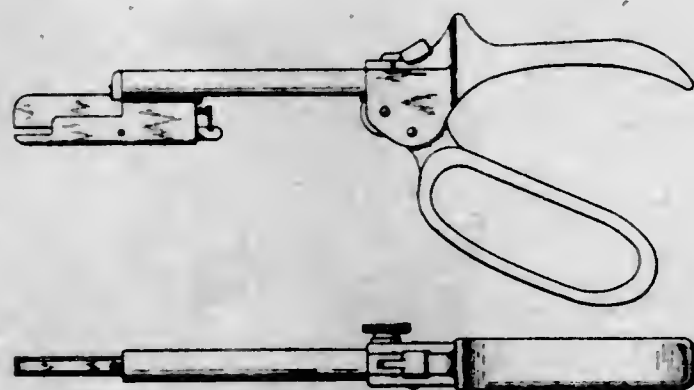


The ornamental design for a motion-picture projector, as shown.

148,481

DESIGN FOR A PLIER TYPE FASTENER SETTING DEVICE

Roy E. Peterson, Norwalk, Conn., assignor, by
mesne assignments, to Hotchkiss Realty Cor-
poration, Norwalk, Conn., a corporation of
Delaware
Application December 16, 1946, Serial No. 135,538
Term of patent 7 years
(Cl. D74—1)

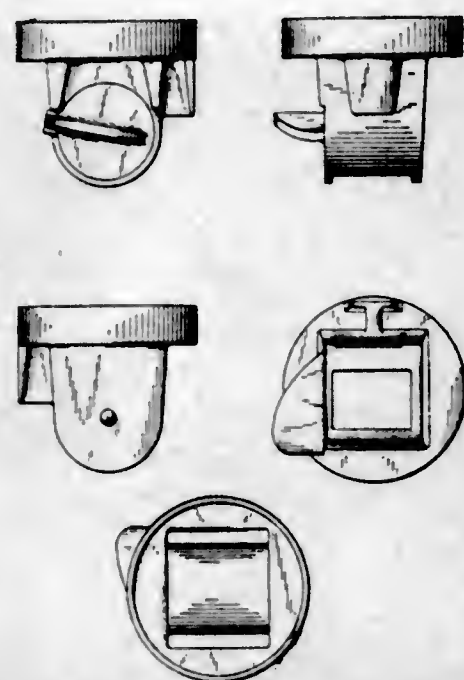


The ornamental design for a plier type fastener setting device, substantially as shown.

148,482

DESIGN FOR A DISPENSING HEAD OR THE LIKE

Ferdinand P. Pla, Buffalo, N. Y.
Application April 15, 1946, Serial No. 128,608
Term of patent 3½ years
(Cl. D58—26)

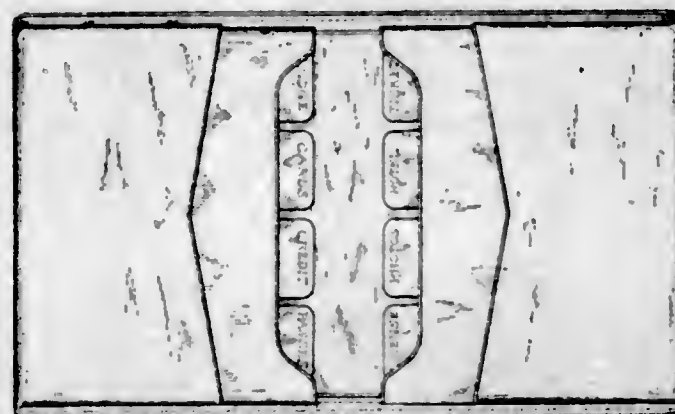


The ornamental design for a dispensing head or the like, substantially as shown.

148,483

DESIGN FOR A BILLFOLD

John P. Reis, West Bend, Wis., assignor to Amity
Leather Products Co., West Bend, Wis., a cor-
poration of Wisconsin
Application October 18, 1946, Serial No. 134,028
Term of patent 3½ years
(Cl. D87—3)

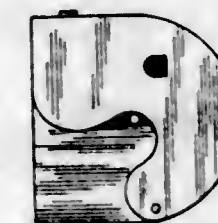
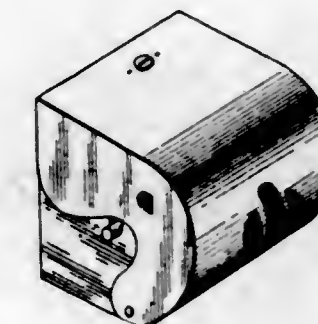


The ornamental design for a billfold, substan-
tially as shown and described.

148,484

DESIGN FOR A TOILET TISSUE DISPENSER

Benjamin G. Roche, Quebec, Quebec, Canada
Application September 30, 1946, Serial No. 133,660
Term of patent 14 years
(Cl. D4—3)

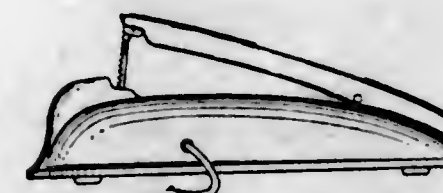
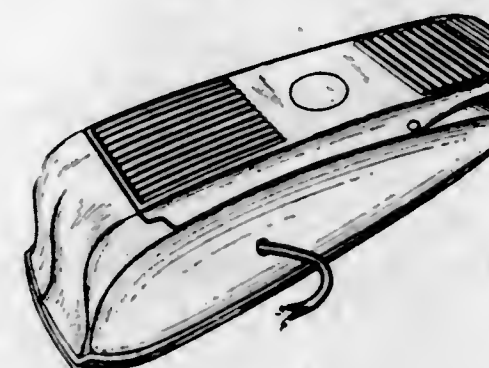


The ornamental design for a toilet tissue dis-
penser, as shown.

148,485

DESIGN FOR A SWITCH VOLUME CONTROL

Horace N. Rowe, Toledo, Ohio
Application October 11, 1946, Serial No. 133,888
Term of patent 14 years
(Cl. D26—13)



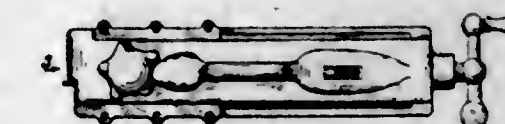
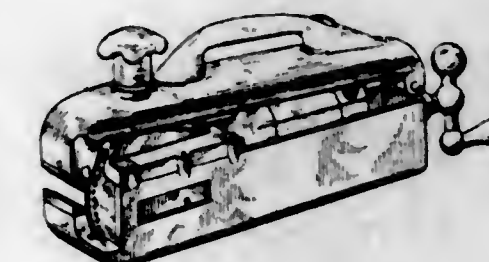
The ornamental design for a switch volume
control, substantially as shown.

606 O. G.—43

148,486

DESIGN FOR A PORTABLE MOTOR-DRIVEN SAW

Paul Schildknecht, Los Angeles, Calif., assignor
of one-half to Thomas Graning, Los Angeles,
Calif.
Application June 29, 1946, Serial No. 131,200
Term of patent 14 years
(Cl. D93—3)



The ornamental design for a portable motor-
driven saw, as shown.

148,487

DESIGN FOR A MANICURE IMPLEMENT

Gary Scoules, Canonsburg, Pa.
Application October 4, 1946, Serial No. 133,745
Term of patent 7 years
(Cl. D86—10)

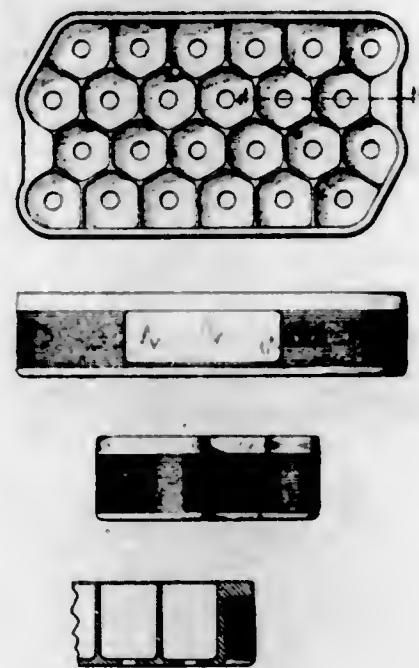


The ornamental design for a manicure imple-
ment, as shown.

148,488

DESIGN FOR A MOLDED BOTTLE CRATE AND CARRIER

McConnell Shank, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application May 31, 1946, Serial No. 130,249
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a molded bottle crate and carrier, as shown.

148,489

DESIGN FOR A CLASP FOR HANDBAG FRAME OR THE LIKE

Robert T. Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application March 4, 1947, Serial No. 137,313
Term of patent 3½ years
(Cl. D87—2)



The ornamental design for a clasp for handbag frame or the like, as shown.

148,490

DESIGN FOR A CLASP FOR HANDBAG FRAME OR THE LIKE

Robert T. Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application March 4, 1947, Serial No. 137,314
Term of patent 3½ years
(Cl. D87—2)



The ornamental design for a clasp for handbag frame or the like, as shown.

148,491

DESIGN FOR A CLASP FOR HANDBAG FRAME OR THE LIKE

Robert T. Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application March 4, 1947, Serial No. 137,315
Term of patent 3½ years
(Cl. D87—2)



The ornamental design for a clasp for handbag frame or the like, as shown.

148,492

DESIGN FOR A CLASP FOR HANDBAG FRAME OR THE LIKE

Robert T. Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application March 5, 1947, Serial No. 137,366
Term of patent 3½ years
(Cl. D87—2)

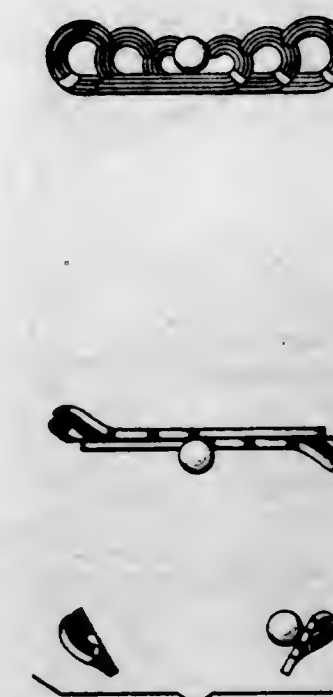


The ornamental design for a clasp for handbag frame or the like, as shown.

148,493

DESIGN FOR A CLASP FOR HANDBAG FRAME OR THE LIKE

Robert T. Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application March 5, 1947, Serial No. 137,367
Term of patent 3½ years
(Cl. D87—2)

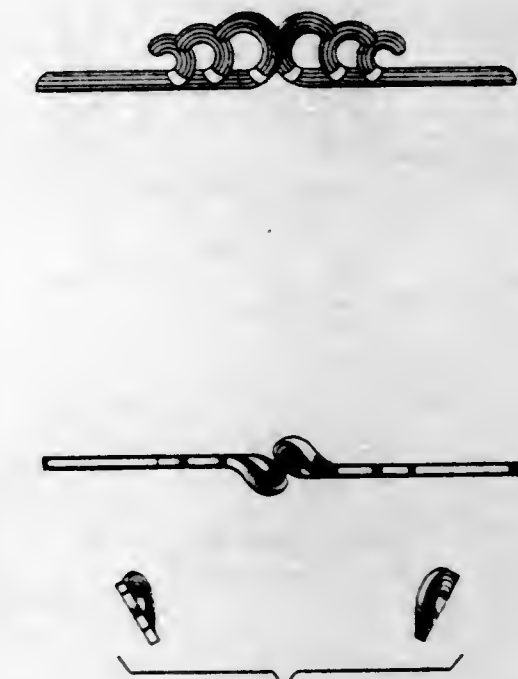


The ornamental design for a clasp for handbag frame or the like, as shown.

148,494

DESIGN FOR A CLASP FOR HANDBAG FRAME OR THE LIKE

Robert T. Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application March 5, 1947, Serial No. 137,368
Term of patent 3½ years
(Cl. D87—2)

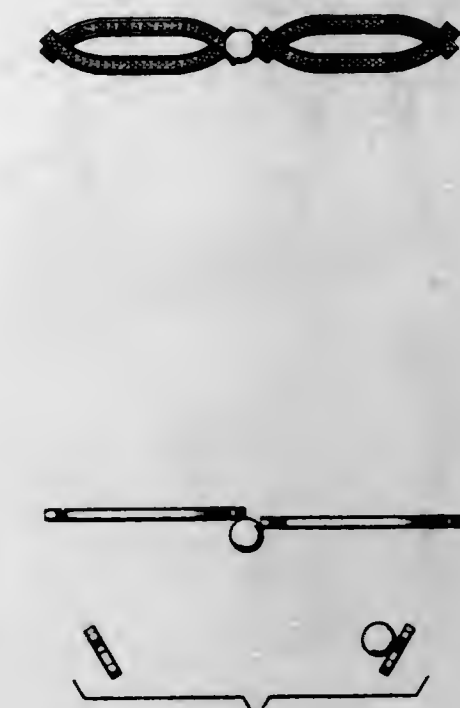


The ornamental design for a clasp for handbag frame or the like, as shown.

148,495

DESIGN FOR A CLASP FOR HANDBAG FRAME OR THE LIKE

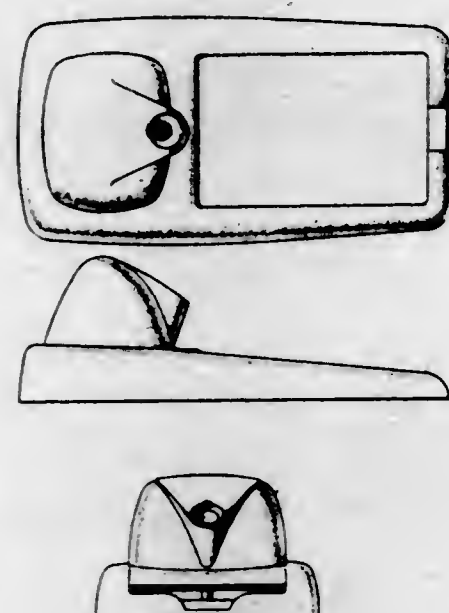
Robert T. Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application March 5, 1947, Serial No. 137,369
Term of patent 3½ years
(Cl. D87—2)



The ornamental design for a clasp for handbag frame or the like, as shown.

148,496

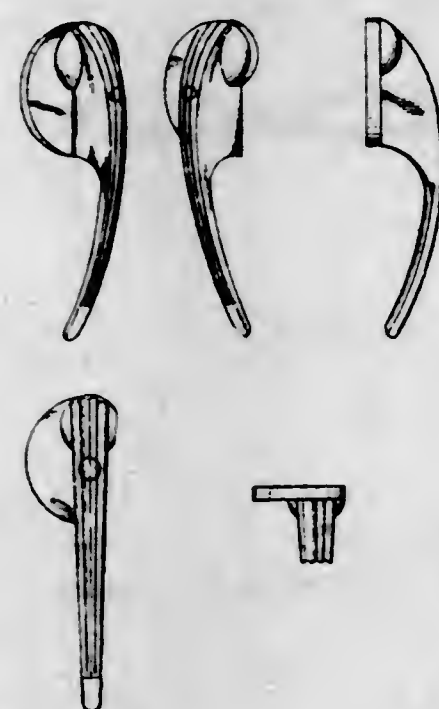
DESIGN FOR A RESERVOIR DESK STAND
George J. Staab, Springfield, N. J.
Application November 29, 1946, Serial No. 135,177
Term of patent $3\frac{1}{2}$ years
(Cl. D74-1)



The ornamental design for a reservoir desk stand, as shown.

148,497

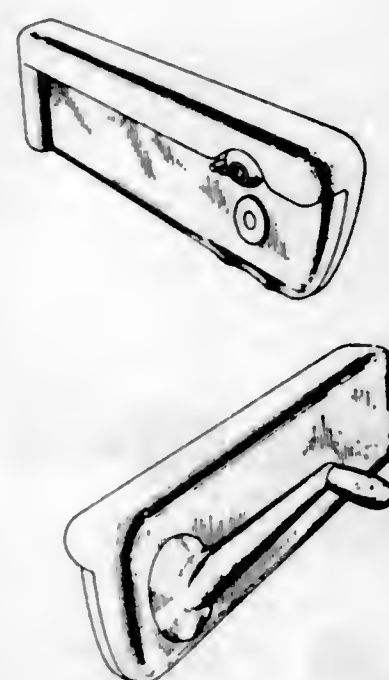
DESIGN FOR A DOOR HANDLE OR THE LIKE
Harry I. Strnard, Renton, and Warren J. Myers, Seattle, Wash.
Application May 27, 1946, Serial No. 130,088
Term of patent 7 years
(Cl. D10-8)



The ornamental design for a door handle or the like, substantially as shown.

148,498

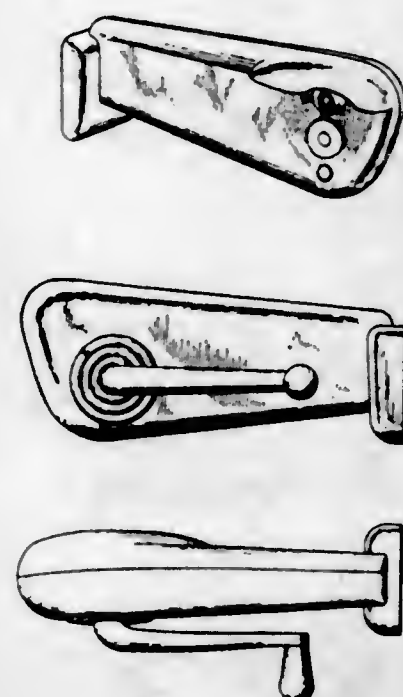
DESIGN FOR A CAN OPENER
Albert M. Travis, Kansas City, Kans., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application July 12, 1946, Serial No. 131,532
Term of patent 14 years
(Cl. D22-2)



The ornamental design for a can opener, substantially as shown.

148,499

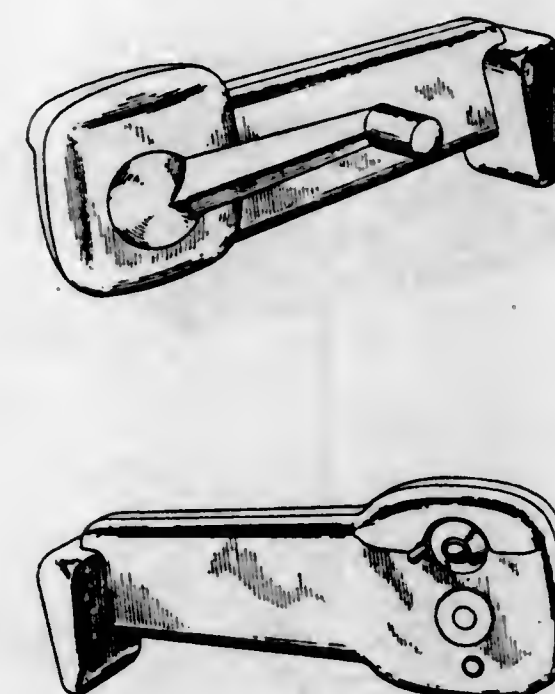
DESIGN FOR A CAN OPENER
Albert M. Travis, Kansas City, Kans., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application July 12, 1946, Serial No. 131,533
Term of patent 14 years
(Cl. D22-2)



The ornamental design for a can opener, substantially as shown.

148,500

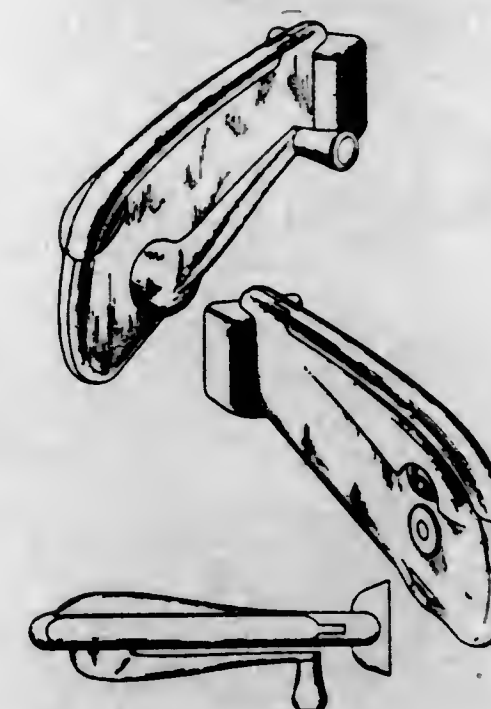
DESIGN FOR A CAN OPENER
Albert M. Travis, Kansas City, Kans., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application July 12, 1946, Serial No. 131,534
Term of patent 14 years
(Cl. D22-2)



The ornamental design for a can opener, substantially as shown.

148,501

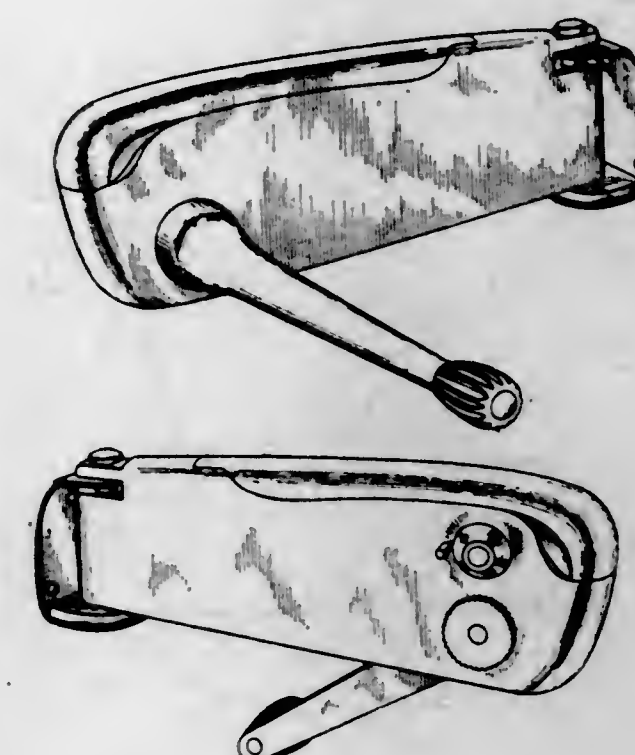
DESIGN FOR A CAN OPENER
Albert M. Travis, Kansas City, Kans., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application July 29, 1946, Serial No. 132,085
Term of patent 14 years
(Cl. D22-2)



The ornamental design for a can opener, substantially as shown.

148,502

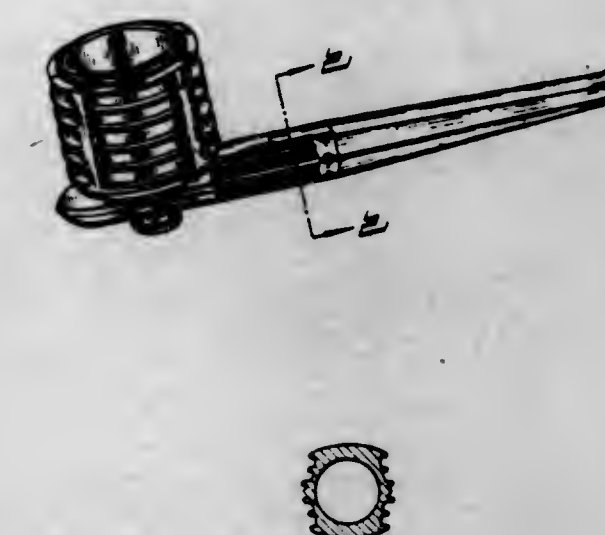
DESIGN FOR A CAN OPENER
Albert M. Travis, Kansas City, Kans., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application October 18, 1946, Serial No. 134,025
Term of patent 14 years
(Cl. D22-2)



The ornamental design for a can opener, substantially as shown.

148,503

DESIGN FOR A SMOKING PIPE
Margaret Van Dirsten, Bertha A. Bassett, and Harry L. Bassett, Detroit, Mich.; said Harry L. Bassett assignor to said Van Dirsten and said Bertha A. Bassett
Application July 11, 1946, Serial No. 131,472
Term of patent 7 years
(Cl. D85-8)

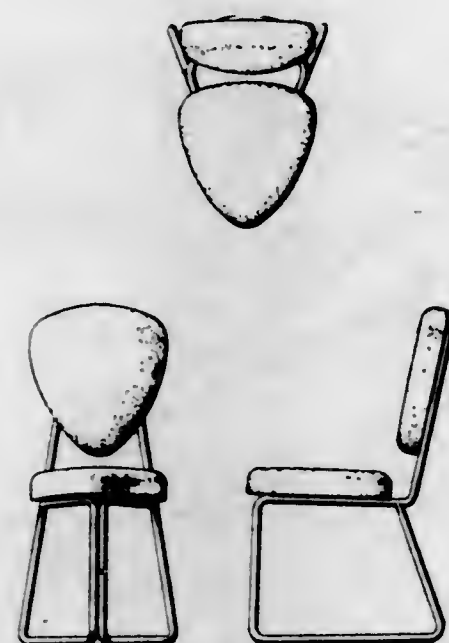


The ornamental design for a smoking pipe, as shown and described.

148,504

DESIGN FOR A TUBULAR CHAIR

Homer J. Vetter, Seattle, Wash.
Application October 5, 1946, Serial No. 133,786
Term of patent 14 years
(Cl. D15-1)



The ornamental design for a tubular chair, as shown.

148,505

DESIGN FOR A DRESS

Joset Walker, New York, N. Y.
Application May 16, 1947, Serial No. 139,066
Term of patent 7 years
(Cl. D3-26)

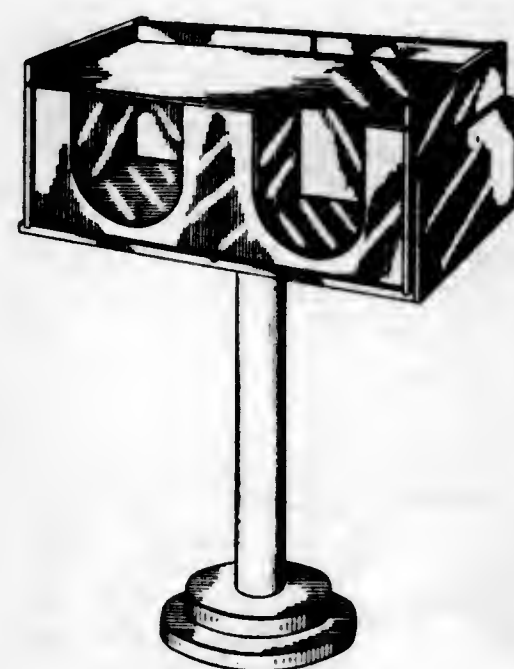


The ornamental design for a dress, substantially as shown.

148,506

DESIGN FOR A LUNCHEON TABLE

David H. Weinberg, Philadelphia, Pa., assignor to Fountain Server Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 2, 1946, Serial No. 129,230
Term of patent 7 years
(Cl. D33-14)

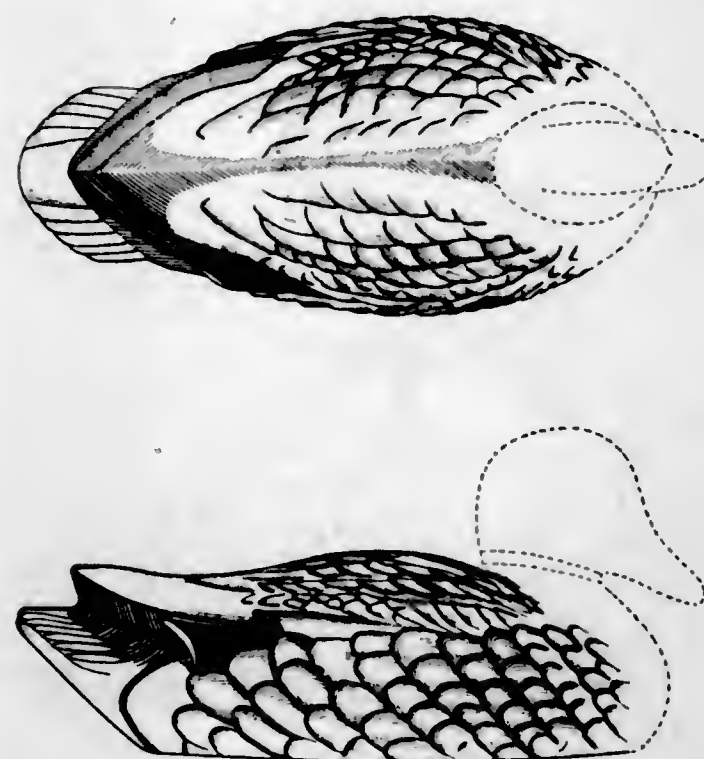


The ornamental design for a luncheon table, as shown.

148,507

DESIGN FOR A MOLDED PULP DECOY

Roger T. Williams, Milwaukee, Wis., assignor to Pulp Reproduction Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 25, 1946, Serial No. 126,896
Term of patent 14 years
(Cl. D31-4)

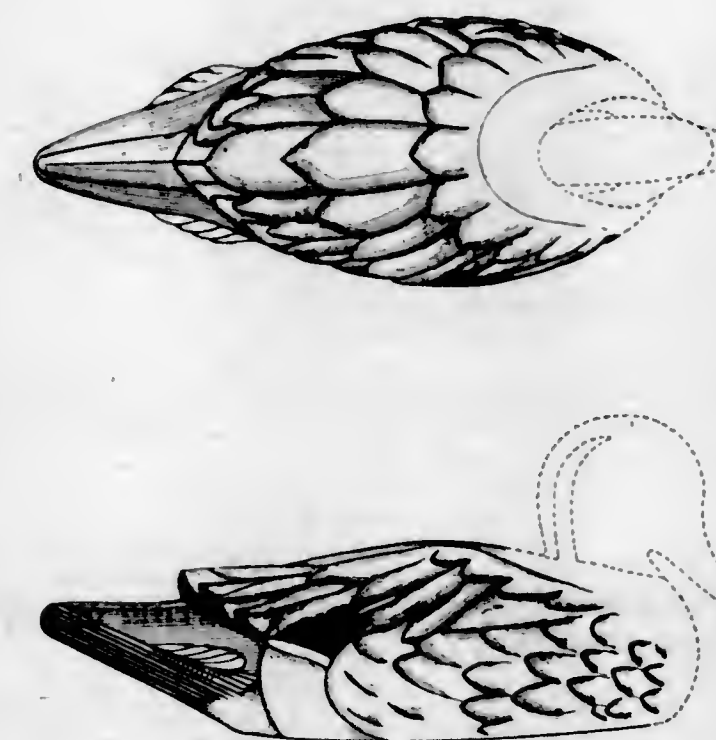


The ornamental design for a molded pulp decoy, substantially as shown and described.

148,508

DESIGN FOR A MOLDED PULP DECOY

Roger T. Williams, Milwaukee, Wis., assignor to Pulp Reproduction Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 25, 1946, Serial No. 126,897
Term of patent 14 years
(Cl. D31-4)

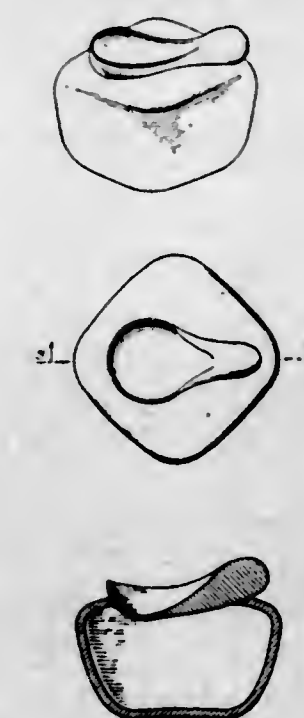


The ornamental design for a molded pulp decoy, substantially as shown and described.

148,509

DESIGN FOR A COMBINED JAR AND DISPENSING COVER

Mary S. Wright, New York, N. Y.
Application April 23, 1946, Serial No. 128,884
Term of patent 14 years
(Cl. D58-25)

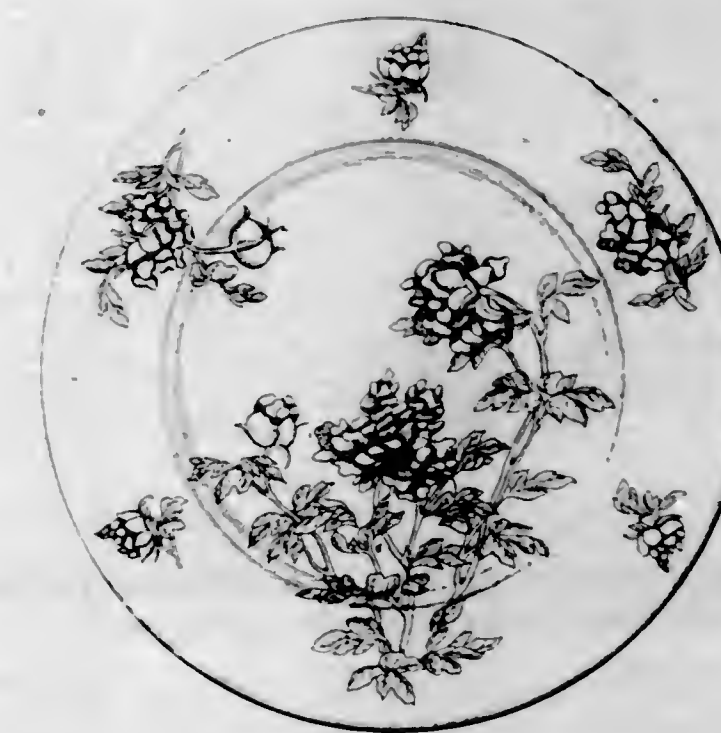


The ornamental design for a combined jar and dispensing cover, as shown.

148,510

DESIGN FOR A PLATE OR THE LIKE

Ching-Chih Yee, New York, N. Y., assignor to Castleton China, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1947, Serial No. 137,067
Term of patent 14 years
(Cl. D44-15)

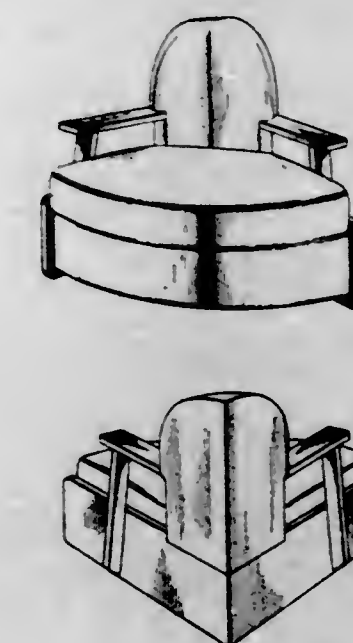


The ornamental design for a plate or the like, as shown.

148,511

DESIGN FOR A CORNER CHAIR

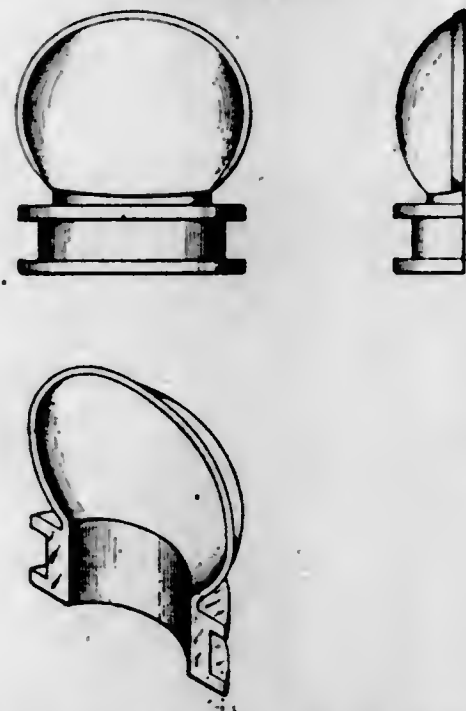
Roy Young, Wilmington, Calif.
Application September 21, 1946, Serial No. 133,483
Term of patent 14 years
(Cl. D15-11)



The ornamental design for a corner chair, as shown.

148,512
DESIGN FOR A DEFLECTOR FOR INFANT'S
TOILET SEAT

Samuel George Zuckerman, New York, N. Y.
Application May 11, 1946, Serial No. 129,591
Term of patent 14 years
(Cl. D4—5)



The ornamental design for a deflector for infant's toilet seat, substantially as shown.

148,513
DESIGN FOR AN EARRING OR SIMILAR
ARTICLE

Henry Zweig, Brooklyn, N. Y.
Application October 26, 1946, Serial No. 134,269
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring or similar article, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Ackles, Virgil E., doing business as Bakery Patents Manufacturing Co., Los Angeles, Calif. Doughnut and bakery goods manufacturing equipment. Serial No. 522,893, Jan. 27. Class 23.
- Ames Supply Company, Chicago, Ill. Typewriter ribbons. Serial No. 519,159, Jan. 27. Class 11.
- Babbitt, B. T., Inc., New York, N. Y. Lye. Serial No. 529,862, Jan. 27. Class 6.
- Bakery Patents Manufacturing Co.: See—
Ackles, Virgil E.
- Barrett's Food Company Proprietary Limited, Melbourne, Victoria, Australia. Preparation of malt and mineral salt used in the manufacture of bread and allied products. Serial No. 520,919, Jan. 27. Class 46.
- Berger, C. L., & Sons, Inc., Boston, Mass. Telescopes, transits, tachymeters, etc. Serial No. 508,022, Jan. 27. Class 26.
- Bilt-Rite Mfg. Co. Inc., Bayonne, N. J. Dungarees and overalls. Serial No. 519,313, Jan. 27. Class 39.
- Binswanger-Henkin Industries, Memphis, Tenn. Wash boards. Serial No. 523,067, Jan. 27. Class 24.
- Birman, Erna, doing business as La Marquise Company, Brookline, Mass. Brassieres, slips, foundation garments, etc. Serial No. 521,851, Jan. 27. Class 39.
- Blanke-Baer Extract and Preserving Company, St. Louis, Mo. Jam, marmalade, fruit butters, etc. Serial No. 527,351, Jan. 27. Class 46.
- Boka Manufacturing Corp.: See—
Boka Sales Corporation.
- Boka Sales Corporation, now by change of name to Boka Manufacturing Corp., New York, N. Y. Hand operated, liquid chemical fire extinguishers. Serial No. 499,940, Jan. 27. Class 23.
- Briggs, George, doing business as Pondbrook Company, Providence, R. I. Creel and tackle bag, fly book or roll, and a tackle box. Serial No. 526,909, Jan. 27. Class 22.
- British Flint & Cerium Manufacturers Limited, Tonbridge, Kent, England. Pyrophoric cigarette lighters and flints therefor. Serial No. 509,823, Jan. 27. Class 34.
- Buena Vista Vineyards: See—
Inglenook Vineyard Co.
- Buffalo Shoe Mfg. Co.: See—
Krause, Karl L.
- Buffington's, Incorporated, Worcester, Mass. Antacid liquid preparation for the relief of gastric hyperacidity and the symptoms of peptic ulcer. Serial No. 529,586, Jan. 27. Class 6.
- Buffington's, Incorporated, Worcester, Mass. Laxative tablet. Serial No. 529,587, Jan. 27. Class 6.
- Buffington's, Incorporated, Worcester, Mass. Bile salts tablet for the stimulation of liver function. Serial No. 529,588, Jan. 27. Class 6.
- Buffington's, Incorporated, Worcester, Mass. Injectable oil solution of aromatic principles for use in the treatment of respiratory infections. Serial No. 529,589, Jan. 27. Class 6.
- Buffington's, Incorporated, Worcester, Mass. Balsam emulsion used as a cough sedative without narcotic, and in the treatment of bronchitis. Serial No. 529,592, Jan. 27. Class 6.
- Buffington's, Incorporated, Worcester, Mass. Antiseptic vaginal douche powder. Serial No. 529,593, Jan. 27. Class 6.
- Buffington's, Incorporated, Worcester, Mass. Liquid preparation for use as a sedative and hypnotic. Serial No. 529,594, Jan. 27. Class 6.
- Buffington's, Incorporated, Worcester, Mass. Non-narcotic syrup for the treatment of coughs and colds in infants and children. Serial No. 529,595, Jan. 27. Class 6.
- Buffington's, Incorporated, Worcester, Mass. Liquid external application for the relief of itching conditions of the skin. Serial No. 529,597, Jan. 27. Class 6.
- Burkaw Electric Co., New York, assignor to Floor-O-Matic Inc., New York, N. Y. Electric floor polisher. Serial No. 510,421, Jan. 27. Class 21.
- Burt Krone Company, Springfield, Mo. Hypodermic needles and glass hypodermic syringes. Serial No. 513,316, Jan. 27. Class 44.
- Cannon Shoe Company, Baltimore, Md. Shoes. Serial No. 515,072, Jan. 27. Class 39.
- Carsen, W., & Co.: See—
Carsen, Walter.
- Carsen, Walter, doing business as W. Carsen & Co., Toronto, Ontario, Canada. Binoculars. Serial No. 520,145, Jan. 27. Class 26.
- Champion Paper and Fibre Company, The, Hamilton, Ohio. Bond, envelope, and book paper, and post card bristol board. Serial No. 527,306, Jan. 27. Class 37.
- Clark, J. R., Company, The, Minneapolis, Minn. Ironing tables and ironing table pad and cover sets. Serial No. 530,376, Jan. 27. Class 24.
- Clark, J. R., Company, The, Minneapolis, Minn. Clothes drying racks. Serial No. 530,381, Jan. 27. Class 24.
- Codo Manufacturing Corp., Coraopolis, Pa., and Chicago, Ill. Carbon paper and typewriter ribbons. Serial No. 517,456, Jan. 27. Class 11.
- Coles, Ross, & Co., Incorporated, Chicago, Ill. Metallic sponge. Serial No. 513,100, Jan. 27. Class 4.
- Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid dentifrice and hair dressing. Serial No. 529,235, Jan. 27. Class 6.
- Continental Aviation and Engineering Corporation, Detroit and Muskegon, Mich. Propellers and airplane propeller hubs and parts thereof. Serial No. 499,393, Jan. 27. Class 19.
- Cured Fruit Association, San Francisco, Calif. Dried fruits. Serial No. 498,117, Jan. 27. Class 46.
- D'Amico Fifth Avenue: See—
D'Amico, Harry J.
- D'Amico, Harry J., doing business as D'Amico Fifth Avenue, New York, N. Y. Lipstick. Serial No. 511,383, Jan. 27. Class 6.
- Drivers Shield Co.: See—
Eganhouse, John G.
- Eganhouse, John G., Newark, N. J. Pneumatic spray guns. Serial No. 524,387, Jan. 27. Class 23.
- Edco Corporation, Brooklyn, N. Y. Insecticide sprayer. Serial No. 522,154, Jan. 27. Class 23.
- Eevra Co.: See—
Stappas, Georgia.
- Eganhouse, John G., doing business as Drivers Shield Co., Houston, Tex. Spectacles. Serial No. 523,063, Jan. 27. Class 26.
- Electromaster, Inc., Detroit, Mich. Surface heating unit for electric ranges. Serial No. 509,930, Jan. 27. Class 21.
- Electromaster, Inc., Detroit, Mich. Oven for electric ranges. Serial No. 509,931, Jan. 27. Class 21.
- Eno, J. C. Limited, London, England. Hydrogen peroxide. Serial No. 524,240, Jan. 27. Class 6.
- Federal Manufacturing and Engineering Corp., Brooklyn, N. Y. Laboratory equipment, photographic equipment, optical equipment. Serial No. 517,565, Jan. 27. Class 26.
- Fischer Industries, Inc., Cincinnati, Ohio. Synthetic detergent for glass, chrome, automobile bodies, etc. Serial No. 527,424, Jan. 27. Class 4.
- Fitzpatrick Industries, Inc., East Palestine, Ohio. Ash trays. Serial No. 518,594, Jan. 27. Class 8.
- Floor-O-Matic Inc., assignee: See—
Burkaw Electric Co.
- Fran-Stef Mfg. Co., New York, N. Y. Smokers' articles. Serial No. 494,268, Jan. 27. Class 8.
- Freeman, John, & Company Limited, Chesham, England. Tooth and toilet brushes. Serial No. 516,973, Jan. 27. Class 29.
- Gates Rubber Company, The, Denver, Colo. Camelback. Serial No. 504,266, Jan. 27. Class 35.
- German de la Vega, Brooklyn, N. Y. Hair emulsion, a fluid applied as a tonic. Serial No. 523,465, Jan. 27. Class 6.
- Ghirardelli, D., Co., San Francisco, Calif. Ground chocolate, cocoa, bitter sweet chocolate, milk chocolate, etc. Serial No. 525,587, Jan. 27. Class 46.
- Great Atlantic & Pacific Tea Company, The, New York, N. Y. Self-rising flour. Serial No. 527,367, Jan. 27. Class 46.
- Great Atlantic & Pacific Tea Company, The, New York, N. Y. Scratch feed, egg laying mash feed, starting mash, etc. Serial No. 527,405, Jan. 27. Class 46.
- Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 516,976, Jan. 27. Class 27.
- Hall, C. P., Company, The, Akron, Ohio. Plasticizer and softener for rubber and synthetic rubbers. Serial No. 528,788, Jan. 27. Class 6.
- Hays Manufacturing Company, Erie, Pa. Stop valves and combination stops and drain valves. Serial No. 509,274, Jan. 27. Class 13.
- Hoff, Henry J., Washington, D. C. Ophthalmic lenses. Serial No. 510,173, Jan. 27. Class 26.
- Hough, William J., Co., The, doing business as Prairie Wax Co., Chicago, Ill. Refined and crystallized wax. Serial No. 518,000, Jan. 27. Class 1.
- House Beautiful Curtains, Inc., New York, N. Y. Shower curtains. Serial No. 505,830, Jan. 27. Class 13.
- Hoyt, Philip S., Inc., El Paso, Tex. Composition of matter of raw or partly prepared minerals. Serial No. 516,416, Jan. 27. Class 1.
- Huggins, Harley E., Vancouver, Wash. Curtain rod brackets. Serial No. 522,240, Jan. 27. Class 13.
- Hull Fish Meal & Oil Co. Ltd., Hull, England. Gelatine for use as an adhesive. Serial No. 514,040, Jan. 27. Class 5.
- Hults, Arthur N., doing business as the Hultcrete Company, Charlotte, N. C. Asphalt emulsion adaptable for mixture with cement and sand for resurfacing and patching concrete, wood, and brick floors, and the like. Serial No. 521,575, Jan. 27. Class 12.

LIST OF TRADE-MARK APPLICANTS

Hultacrete Company: See—

Hults, Arthur N.
Inglenook Vineyard Co., assignor to Buena Vista Vineyards, Sonoma, Calif. Wines. Serial No. 508,530, Jan. 27. Class 47.
International Unicalor Company Limited, The, Woverhampton, England. Mechanical stokers. Serial No. 508,381, Jan. 27. Class 34.
Jackson Iron & Steel Company, Jackson, Ohio. Pig iron, high silicon cast iron pigs, and fragments thereof. Serial No. 516,132, Jan. 27. Class 14.
Jeffrey Manufacturing Company, Columbus, Ohio. Bin or container level indicator adapted particularly to respond to a selected depth of granular material in a container, bin or receptacle. Serial No. 504,358, Jan. 27. Class 26.
Kelbert Watch Company, Inc., New York, N. Y. Watches. Serial No. 518,764, Jan. 27. Class 27.
Kirk, C. F., Company, New York, N. Y. Intramuscular injection. Serial No. 511,166, Jan. 27. Class 6.
Kloster Steel Corporation, Chicago, Ill. Die and tool steel. Serial No. 492,563, Jan. 27. Class 14.
Krause, Karl L., doing business as Buffalo Shoe Mfg. Co., Seattle, Wash. Workmen's leather shoes and leather boots. Serial No. 512,267, Jan. 27. Class 39.
La Marquise Company: See—
Birman, Erna.
Lauder Moth, Inc., Hyde Park, N. Y. Mothproofing composition. Serial No. 520,952, Jan. 27. Class 6.
Leaf-Schneibolk Co., New York, N. Y. Fresh tomatoes. Serial No. 520,222, Jan. 27. Class 46.
Liberty Motors and Engineering Corporation, Baltimore, Md. Autodyn voltage calibration apparatus and parts thereof, air speed indicator, etc. Serial No. 469,683, Jan. 27. Class 26.
Link Aviation Devices, Inc., now by change of name Link Aviation Inc., Fenton, N. Y. Grounded apparatus for training air pilots for flying, grounded apparatus for training navigators in celestial navigation, etc. Serial No. 499,955, Jan. 27. Class 26.
Link Aviation Inc.: See—
Link Aviation Devices Inc.
Mallinckrodt Chemical Works, St. Louis, Mo. Substituted oxazolidinediones and salts thereof. Serial No. 526,868, Jan. 27. Class 6.
Mallinckrodt Chemical Works, St. Louis, Mo. Mixture, which is applied to grass for the treatment of brown patch. Serial No. 526,949, Jan. 27. Class 6.
Martell's Wine & Liqueur Co., Inc., New York, N. Y. Gin. Serial No. 522,934, Jan. 27. Class 49.
Martell's Wine & Liqueur Co., Inc., New York, N. Y. Gin. Serial No. 522,943, Jan. 27. Class 49.
Mason, G. R., Macomb, Ill. Live stock and poultry feed and feed supplements and concentrates. Serial No. 524,339, Jan. 27. Class 46.
McGrade, E. W., Manufacturing Co., Inc., Kansas City, Mo. Telephonic electric intercommunicating apparatus. Serial No. 522,640, Jan. 27. Class 21.
Merrell, Wm. S., Company, Cincinnati, Ohio. Preparation for vitamin deficiencies in infants and children. Serial No. 528,876, Jan. 27. Class 6.
Merrell, Wm. S., Company, Cincinnati, Ohio. Preparation for the treatment of coughs due to colds. Serial No. 528,877, Jan. 27. Class 6.
Merrell, Wm. S., Company, Cincinnati, Ohio. Preparation for the treatment of vitamin deficiency. Serial No. 528,878, Jan. 27. Class 6.
Mershon Co. Inc., Glendale, Calif. Gun recoil pads, gun butt extension spacers and gun butt plates. Serial No. 510,790, Jan. 27. Class 9.
Mido Products, Torrance, Calif. Compositions containing phosphoric acid. 519,482, Jan. 27. Class 6.
Necco Corporation, Los Angeles, Calif. Calcium carbonate and magnesium trisilicate preparation. Serial No. 521,397, Jan. 27. Class 6.
Nitralloy Corporation, Wilmington, Del. Alloy steel. Serial No. 524,200, Jan. 27. Class 14.
Nonnenmann, Oscar, San Francisco, Calif. Medicinal preparation. Serial No. 525,014, Jan. 27. Class 6.
North Star Manufacturing Co., Tacoma, Wash. Work gloves. Serial No. 485,513, Jan. 27. Class 39.
Norwich Line Company, Inc., Norwich, N. Y. Fly casting fishing lines. Serial No. 511,285, Jan. 27. Class 22.
Oelerich & Berry Company, Chicago, Ill. Fruit jelly. Serial No. 526,148, Jan. 27. Class 46.
Oxford Laboratories, Incorporated, Dayton, Va. Vitamin preparation. Serial Nos. 518,314-15, Jan. 27. Class 6.
Pasadena Research Laboratories, Inc., Pasadena, Calif. Vitamin B-complex products in capsule, tablet, and aqueous form, etc. Serial No. 526,047, Jan. 27. Class 6.
Perley, Reuben N., Omaha, Nebr. Books descriptive of diets. Serial No. 516,307, Jan. 27. Class 38.
Perrigo, L., Company, doing business as Supreme Pharmaceutical Company, Allegan, Mich. Tooth powder in tablet form. Serial No. 515,903, published Jan. 27. Class 6.
Plato-Cast Products: See—
Zweig, Henry.
Pondbrook Company: See—
Briggs, George.
Powell, John, & Co., Inc., New York, N. Y. Insecticides, fungicides, germicides, etc. Serial No. 523,022, Jan. 27. Class 6.

Prairie Wax Co.: See—

Hough, William J., Co., The.
Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 527,733, Jan. 27. Class 4.
Reed Laboratories, Inc., Akron, Ohio. Plastic bandages. Serial No. 517,920, Jan. 27. Class 44.
Regent Optical Co.: See—
Ritholz, Benjamin D.
Rendler, Carl, Los Angeles, Calif. Fry pans. Serial No. 509,601, Jan. 27. Class 13.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic resinous materials. Serial No. 507,845, Jan. 27. Class 1.
Respro Inc., Cranston, R. I. Fabrics of nylon, rayon, cotton, silk, etc. Serial No. 508,007, Jan. 27. Class 42.
Ritholz, Benjamin D., doing business as Regent Optical Co., Chicago, Ill. Sun glasses. Serial No. 525,405, Jan. 27. Class 28.
Robbins, Anatole, Inc., Los Angeles and Hollywood, Calif. Facial night cream. Serial No. 505,858, Jan. 27. Class 6.
Rogers Imports Inc., New York, N. Y. Humidifiers for tobacco products. Serial No. 502,718, Jan. 27. Class 8.
Rohm & Haas Company, Philadelphia, Pa. Chemical mixture for use as a component of fungicidal sprays and dusts. Serial No. 529,826, Jan. 27. Class 6.
Sherwin-Williams Company, Cleveland, Ohio. Paints (ready-mixed, semi-paste, or dry) etc. Serial No. 521,616, Jan. 27. Class 16.
Siegel, George H., Pittsburgh, Pa. Egg candlers. Serial No. 518,451, Jan. 27. Class 26.
Simmons, K. J., & Company, Philadelphia, Pa. Chemical liquid welder. Serial No. 520,306, Jan. 27. Class 6.
Société des Parfums Ronsard, Paris, France. Perfumes, eau de cologne, and toilet water. Serial No. 514,070, Jan. 27. Class 6.
South Seas Trading Corp., New York, N. Y. Women's slips, night gowns, and underwear. Serial No. 525,968, Jan. 27. Class 39.
Specialty Stores Association Inc., New York, N. Y. Women's, misses', and children's outer clothing and undergarments. Serial No. 513,073, Jan. 27. Class 39.
Spiegel, Inc., Chicago, Ill. Linoleum. Serial No. 492,345, Jan. 27. Class 20.
Stainless Cavity Corp., Leominster, Mass. Finished metal castings made by precision casting methods. Serial No. 509,122, Jan. 27. Class 14.
Stappas, Georgia, doing business as Evra Co., East Providence, R. I. Medicinal preparation for treating the skin. Serial No. 526,654, Jan. 27. Class 6.
Stayton Canning Co. Co-Operative, Stayton, Oreg. Canned vegetables and fruits, and frozen deciduous fruits. Serial No. 513,345, Jan. 27. Class 46.
Stolz Freres, S. A. Manufacture D'Horlogerie Angelus, Le Locle, Switzerland. Watches, chronometers. Serial No. 525,418, Jan. 27. Class 27.
Supreme Pharmaceutical Company: See—
Perrigo, L., Company.
Swadig, Ltd., San Francisco, Calif. Shampoo. Serial No. 531,051, Jan. 27. Class 6.
Taylor, Taylor & Hobson Limited, Leicester, England. Optical objectives. Serial No. 298,733, Jan. 27. Class 26.
Technical Devices Corporation, Roseland, N. J. Vacuum tube voltmeter, vacuum tube ohmmeter, vacuum tube multimeter and component parts thereof. Serial No. 497,506, Jan. 27. Class 26.
United States Rubber Company, New York, N. Y. Perfume bases. Serial No. 526,640, Jan. 27. Class 6.
United States Rubber Company, New York, N. Y. Molded bottoms for bowling bags and golf bags, and the like. Serial No. 526,641, Jan. 27. Class 22.
United States Rubber Company, New York, N. Y. Natural rubber material for retreading tires. Serial No. 527,564, Jan. 27. Class 35.
U. S. Vitamin Corporation, New York, N. Y. Therapeutic compound comprising parts of rutin and ascorbic acid for the treatment of capillary fragility associated with vitamin C deficiencies. Serial No. 529,117, Jan. 27. Class 6.
U. S. Vitamin Corporation, New York, N. Y. Multiple vitamin capsule intended as a dietary supplement. Serial No. 529,118, Jan. 27. Class 6.
Vaisey-Bristol Shoe Company, Incorporated: See—
Vaisey, S. B., Shoe Co., Inc.
Vaisey, S. B., Shoe Co., Inc., now by change of name Vaisey-Bristol Shoe Company, Incorporated, Rochester, N. Y. Leather shoes. Serial No. 511,708, Jan. 27. Class 39.
Valley Metal Products Company, Plainwell, Mich. Steel, aluminum and other metal window frames, sashes and screens. Serial No. 523,719, Jan. 27. Class 12.
Western Waterproofing Company, St. Louis, Mo. Mortar. Serial No. 518,183, Jan. 27. Class 12.
Wheatena Corporation, The, Rahway, N. J. Wheat breakfast food. Serial No. 527,668, Jan. 27. Class 46.
Worcester Shoe Company, Worcester, Mass. Leather shoes. Serial No. 510,748, Jan. 27. Class 39.
Zweig, Henry, doing business as Plato-Cast Products, New York, N. Y. Pulverized product. Serial No. 523,876, Jan. 27. Class 1.

LIST OF REGISTRANTS OF TRADE-MARKS

Acadia Company, The, assignor to The Acadia Company, Inc., New York, N. Y. Textile fabrics. 436,146, Jan. 27; Serial No. 502,613, published Oct. 21, 1947. Class 42.
Acadia Company, Inc., The, assignee: See—
Acadia Company, The.
Adams Watch, Inc., New York, N. Y. Watches, watch-cases, and watch movements. 237,098, renewed Jan. 3, 1948. O. G. Jan. 27. Class 27.
Ajax-Consolidated Company: See—
Ajax Hand Brake Company.
Ajax Hand Brake Company, to Ajax-Consolidated Company, Chicago, Ill. Mechanism for manual operation of railway car brakes. 232,305, renewed Sept. 6, 1947. O. G. Jan. 27. Class 19.
Alrose Chemical Company, Cranston, R. I. Piece goods of cotton, rayon, etc. 436,147, Jan. 27; Serial No. 502,867, published Oct. 14, 1947. Class 42.
Altorfer Bros. Company, East Peoria, Ill. Laundry washing machines. 235,362, renewed Nov. 15, 1947. O. G. Jan. 27. Class 24.
Altorfer Bros. Company, East Peoria, to Altorfer Bros. Company, Peoria, Ill. Laundry washing machines. 244,349, renewed July 17, 1948. O. G. Jan. 27. Class 24.
Amberg File and Index Company, Kankakee, Ill. Paper transfer cases. 59,370, Jan. 8, 1907. Republished Jan. 27. Class 37.
American Cyanamid Company, New York, N. Y. Folic acid (crude) to be used in feed supplements (veterinary). 436,231, Jan. 27; Serial No. 518,122, published Nov. 4, 1947. Class 6.
American Cyanamid Company, New York, N. Y. Semi-durable wax water repellent or an aqueous type of wax emulsion. 436,268, Jan. 27; Serial No. 522,923, published Nov. 4, 1947. Class 6.
American Dietetics Company, Inc., New York, N. Y. Laxative. 436,269, Jan. 27; Serial No. 522,969, published Oct. 28, 1947. Class 6.
American Fork & Hoe Company, The: See—
Mann, James H.
Otsego Fork Mills Co. Ltd.
American Oak Leather Company, The, Cincinnati, Ohio. Leather. 49,798, Feb. 20, 1906. Republished Jan. 27. Class 1.
American Products Company, The, assignor to The American Products Company, to Royal Home Products, Inc., Cincinnati, Ohio. Flavoring extracts, cake icing, pie filling, etc. 239,202, renewed Feb. 28, 1948. O. G. Jan. 27. Class 46.
American Road Machinery Company, Kennett Square, Pa., to Good Roads Machinery Corporation, Detroit, Mich. Road scrapers, road rollers, rock crushers, etc. 233,561, renewed Oct. 4, 1947. O. G. Jan. 27. Class 23.
American Saw Mill Machinery Company, to American Saw Mill Machinery Company, Hackettstown, N. J. Wood-working machines. 231,213, renewed Aug. 16, 1947. O. G. Jan. 27. Class 23.
American Sound Products, Inc., Chicago, Ill. Hearing aids for the alleviation of deafness. 436,299, Jan. 27. Class 44.
Ames Company, Inc., Elkhart, Ind. Cholagogues and choloretics. 436,237-8, Jan. 27; Serial Nos. 518,639-40, published Oct. 28, 1947. Class 6.
Andale Company: See—
Andale Engineering Company.
Andale Engineering Company, to Andale Company, Philadelphia, Pa. Water heaters, oil heaters, air heaters, etc. 220,538, renewed Nov. 9, 1946. O. G. Jan. 27. Class 34.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Cream powder foundation to be patted on the skin. 436,253, Jan. 27; Serial No. 520,330, published Nov. 4, 1947. Class 6.
Armour and Company, Chicago, Ill. Soap. 436,273, Jan. 27; Serial No. 523,879, published Oct. 21, 1947. Class 4.
Associated Attleboro Manufacturers, Inc., The, to Briggs, Bates & Bacon Company, Attleboro, Mass. Chains, and other named jewelry. 235,268, renewed Nov. 15, 1947. O. G. Jan. 27. Class 28.
Association of American Soap & Glycerine Producers, Inc., doing business as Glycerine Producers Association, New York, N. Y. Glycerine antifreeze solution for automobile radiators. 235,725, renewed Nov. 22, 1947. O. G. Jan. 27. Class 6.
Atlantic Steel Company, Atlanta, Ga. Forgings. 436,224, Jan. 27; Serial No. 517,285, published Oct. 28, 1947. Class 14.
Attorney General of The United States, The: See—
Mithens, Paul P.

Automatic Switch Company, New York, N. Y. Magnet or solenoid operated valves. 236,629, renewed Dec. 20, 1947. O. G. Jan. 27. Class 21.
Avery Rock Salt Mining Company, Avery Island, La., to International Salt Company, Scranton, Pa. Salt. 226,945, renewed Apr. 26, 1947. O. G. Jan. 27. Class 46.
Bailey, P., & Cie., Paris, France. Shoulder braces and suspenders. 63,771, re-renewed July 9, 1947. O. G. Jan. 27. Class 39.
Banhill Company, The: See—
O'Bannon, Loran.
Barrell, William L., Co.: See—
Barrell, William L., Co. of New York, Inc.
Barrell, William L., Co. of New York, Inc., to William L. Barrell Co., New York, N. Y. Cotton duck in the piece. 230,307, renewed July 19, 1947. O. G. Jan. 27. Class 42.
Baugh and Sons Company, The, Baltimore, Md. Commercial fertilizer. 436,264, Jan. 27; Serial No. 521,785, published Oct. 28, 1947. Class 10.
Beautykote Corporation, Newark, N. J. Insecticide. 436,154, Jan. 27; Serial No. 507,094, published Oct. 28, 1947. Class 6.
Belding Heminway Company: See—
Summit Thread Company.
Belling, G. A., and Company, New York, N. Y. Perfumes, toilet waters, astringent lotions, etc. 436,181, Jan. 27; Serial No. 511,926, published Oct. 28, 1947. Class 6.
Bernice of Hollywood Cosmetics: See—
Picchiotti, Bernice M.
Bick & Co., Inc., Reading, Pa. Neutral dyeing acid dye-stuff. 436,242-6, Jan. 27; Serial Nos. 519,723-7, published Nov. 4, 1947. Class 6.
Bickley, A. F. & Son: See—
Bickley, J. Walter.
Bickley, J. Walter, doing business as A. F. Bickley & Son, Philadelphia, Pa. Oleomargarine. 236,465, renewed Dec. 13, 1947. O. G. Jan. 27. Class 46.
Black, Joseph, & Sons Company, York, Pa. Stockings. 88,729, Oct. 22, 1912. Republished Jan. 27. Class 39.
Bond, Charles, Company, Philadelphia, Pa. Shaft couplings. 238,151, renewed Jan. 31, 1948. O. G. Jan. 27. Class 23.
Bond, Charles, Company, Philadelphia, Pa. Leather belting. 240,501, renewed Mar. 27, 1948. O. G. Jan. 27. Class 35.
Bond Foundry and Machine Company, Manheim, Pa. Truck casters. 235,034, renewed Nov. 8, 1947. O. G. Jan. 27. Class 19.
Borden Company, The, New York, N. Y. Frozen confections. 436,152, Jan. 27; Serial No. 506,291, published Oct. 28, 1947. Class 46.
Boston Varnish Company, Everett, Mass. Synthetic resin in solid and liquid form. 436,225-6, Jan. 27; Serial Nos. 517,348-9, published Nov. 4, 1947. Class 1.
Botany Mills, Inc.: See—
Botany Worsted Mills.
Botany Worsted Mills, now by change of name Botany Mills, Inc., Passaic, N. J. Toilet preparations. 436,184, Jan. 27; Serial No. 512,319, published Oct. 28, 1947. Class 6.
Breneman, Chas. W., Co., The, Cincinnati, Ohio. Shade cloth. 436,202, Jan. 27; Serial No. 514,643, published Oct. 14, 1947. Class 42.
Brewer, Nora E., Tarboro, N. C. Antiseptic surgical powder salve. 436,263, Jan. 27; Serial No. 521,630, published Nov. 4, 1947. Class 6.
Briggs, Bates & Bacon Company: See—
Associated Attleboro Manufacturers, Inc., The.
Brooklyn Daily Eagle, The, to The Brooklyn Eagle, Inc., Brooklyn, N. Y. Newspapers. 63,893, re-renewed July 16, 1947. O. G. Jan. 27. Class 38.
Brooklyn Eagle, Inc., The: See—
Brooklyn Daily Eagle, The.
Brooks Brothers, New York, N. Y. Shaving cream. 436,155, Jan. 27; Serial No. 507,231, published Oct. 28, 1947. Class 4.
Brown & Bigelow, St. Paul, Minn. Periodical. 237,852, renewed Jan. 17, 1948. O. G. Jan. 27. Class 38.
Brown & Bigelow, St. Paul, Minn. Playing cards. 239,599, renewed Mar. 6, 1948. O. G. Jan. 27. Class 22.
C & S Packing Co., Brooklyn, N. Y. Blend of vegetable oil and olive oil. 436,257, Jan. 27; Serial No. 521,058, published Oct. 28, 1947. Class 48.
California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Fertilizers. 436,240, Jan. 27; Serial No. 519,117, published Oct. 28, 1947. Class 10.
Campbell Coal Company, Atlanta, Ga. Coal. 232,456, renewed Sept. 6, 1947. O. G. Jan. 27. Class 1.
Campbell Coal Company, Marietta and Atlanta, Ga., to Campbell Coal Company, Atlanta, Ga. Coal. 233,028, renewed Sept. 20, 1947. O. G. Jan. 27. Class 1.

LIST OF REGISTRANTS OF TRADE-MARKS

Canadian Radium & Uranium Corporation, New York, N. Y. Gloves and pads to be used for applying medicaments. 436,285, Jan. 27; Serial No. 524,443, published Oct. 21, 1947. Class 44.

Cantor-Greenspan Co., Inc., New York, N. Y. Rayon piece goods. 436,139, Jan. 27; Serial No. 498,496, published Oct. 14, 1947. Class 42.

Capitol Piece Dye Works, Inc., New York, and Garnerville, West Haverstraw, N. Y. Piece goods. 436,140, Jan. 27; Serial No. 498,380, published May 27, 1947. Class 42.

Capper-Harman-Slocum, Inc.: See—
Lawrence Publishing Company, The.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Chemicals for industrial and other uses. 436,293, Jan. 27; Serial No. 525,537, published Nov. 4, 1947. Class 6.

Carter Carburetor Corporation, St. Louis, Mo. Carburetors. 238,438, renewed Feb. 7, 1948. O. G. Jan. 27. Class 23.

Cash, Madeline E., doing business as "Madeline's," Canton, Ohio. Preparations for use in permanent hair waving. 436,270, Jan. 27; Serial No. 523,513, published Oct. 28, 1947. Class 6.

Champion Fibre Company, The, by The Champion Paper and Fibre Company, Hamilton, Ohio. Tanning extracts. 111,008, June 20, 1916. Republished Jan. 27. Class 6.

Champion Paper and Fibre Company, The: See—
Champion Fibre Company, The.

Chaver Trading Company: See—
Grover, L. C.

Chemical Corporation, The, Springfield, Mass. Disinfectant and bactericidal material. 436,233, Jan. 27; Serial No. 518,518, published Nov. 4, 1947. Class 6.

Chemische Fabrik auf Actien (Vorm. E. Schering), Berlin, Germany, to William R. Warner & Co., Inc., New York, N. Y. Anti-pyretics, anti-rheumatics, uric acid solvents, etc. 65,291, re-renewed Sept. 17, 1947. O. G. Jan. 27. Class 6.

Chemische Fabrik auf Actien (Vorm. E. Schering), Berlin, Germany, to William R. Warner & Co., Inc., New York, N. Y. Antiseptics, deodorants, and disinfectants. 65,626, re-renewed Oct. 15, 1947. O. G. Jan. 27. Class 6.

Chicago Solder Company, to Kester Solder Company, Chicago, Ill. Chemical combination. 238,398, renewed Feb. 7, 1948. O. G. Jan. 27. Class 14.

Chicago Solder Company, to Kester Solder Company, Chicago, Ill. Flux composed of finely-divided tin and finely-divided lead mixed with chemicals. 238,399, renewed Feb. 7, 1948. O. G. Jan. 27. Class 14.

Chicago Steel Foundry Company, Chicago, Ill. Steel castings. 436,185, Jan. 27; Serial No. 512,322, published Oct. 28, 1947. Class 14.

Christiansen, Mildred A., doing business as "Minoka Manufacturing Co.," Anoka, Minn. Salad dressings. 436,251, Jan. 27; Serial No. 520,264, published Oct. 28, 1947. Class 46.

Ciba Limited, Basel, Switzerland. Preparation used in treating fabrics. 436,156, Jan. 27; Serial No. 507,238, published Nov. 4, 1947. Class 6.

Clopay Corporation, Cincinnati, Ohio. Curtain drapes. 436,163, Jan. 27; Serial No. 510,046, published Oct. 21, 1947. Class 42.

Clover Manufacturing Company: See—
Gallaher, Edward B.

Commander Larabee Cereal Co., assignee: See—
Larabee Flour Mills Company, The.

Commander-Larabee Milling Company: See—
Larabee Flour Mills Company, The.

Condensed Bluing Co., The, by The John Puhl Products Company, Chicago, Ill. Ammonia. 155,947, June 13, 1922. Republished Jan. 27. Class 6.

Condensed Bluing Company, by The John Puhl Products Company, Chicago, Ill. Bluing. 156,216, June 20, 1922. Republished Jan. 27. Class 6.

Consolidated Cosmetics, Chicago, Ill. Laundry soap, toilet soap, abrasive window cleaner, etc. 436,188, Jan. 27; Serial No. 513,029, published Oct. 21, 1947. Class 4.

Consolidated Machine Tool Corporation: See—
Newton Machine Tool Works, Incorporated.

Continental Paper & Bag Mills Corporation, to International Paper Company, New York, N. Y. Wrapping paper. 232,890, renewed Sept. 20, 1947. O. G. Jan. 27. Class 37.

Cooley, Charles G., Comus, Md., to Charles G. Cooley, Barnesville, Md. Stock medicine. 240,352, renewed Mar. 27, 1948. O. G. Jan. 27. Class 6.

Corn Products Refining Company, New York, N. Y. Laundry starch. 235,002, renewed Nov. 8, 1947. O. G. Jan. 27. Class 6.

Courtenay, James C.: See—
Rumpf, Gustav A.

Cracker Jack Co., The, Chicago, Ill. Marshmallows. 436,255, Jan. 27; Serial No. 520,933, published Oct. 28, 1947. Class 46.

Crown-Columbia Pulp and Paper Co., by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 80,110, Nov. 8, 1910. Republished Jan. 27. Class 37.

Crown Willamette Paper Company: See—
Crown-Columbia Pulp and Paper Co.

Crown Zellerbach Corporation: See—
Crown-Columbia Pulp and Paper Co.

Crucible Steel Company of America, New York, N. Y. Steel bars, rods, billets, etc. 237,489, renewed Jan. 10, 1948. O. G. Jan. 27. Class 14.

Crucible Steel Company of America, New York, N. Y. Rolled bars and sheets of magnet steel. 436,174, Jan. 27; Serial No. 511,140, published Oct. 28, 1947. Class 14.

Dan River Mills, Incorporated: See—
Riverside & Dan River Cotton Mills, Inc.

Da-Z Mfg. Co.: See—
Rumpf, Gustav A.

Dermetics, Inc., New York, N. Y. Nail lacquers. 436,194, Jan. 27; Serial No. 513,725, published Oct. 28, 1947. Class 6.

Dermetics, Inc., New York, N. Y. Skin soap. 436,286, Jan. 27; Serial No. 524,593, published Oct. 28, 1947. Class 4.

Dermetics, Inc., New York, N. Y. Toiletries for use by men. 436,287, Jan. 27; Serial No. 524,598, published Nov. 4, 1947. Class 6.

Dew Beverage Company, Inc., Kansas City, Mo. Non-alcoholic, maltless beverage. Serial No. 522,625, published Jan. 27, 1948. Class 45.

Dexter Chemical Corporation, New York, N. Y. Solution for mercerizing textiles and other fibrous material. 436,141, Jan. 27; Serial No. 500,866, published Oct. 28, 1947. Class 6.

Diamond T Motor Car Company, Chicago, Ill. Motor trucks and automobiles. 436,197-8, Jan. 27; Serial Nos. 513,807-8, published Sept. 2, 1947. Class 19.

Die Eau de Cologne & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mühlens, Köln A./Rhein: See—
Mühlens, Paul P.

Dow Corning Corporation, Midland, Mich. Compositions in physical character comparable to milled and compounded rubber. Serial No. 503,981, published Jan. 27, 1948. Class 1.

Drackett Chemical Company, The, to Drackett Company, Cincinnati, Ohio. Chemical for cleansing drains, sinks, washbowls, etc. 231,921, renewed Aug. 30, 1947. O. G. Jan. 27. Class 6.

Drackett Company: See—
Drackett Chemical Company.

Du Bois Company, The, Cincinnati, Ohio. Compound for cleaning and preserving the finish of motor vehicles. 436,164, Jan. 27; Serial No. 510,070, published Oct. 21, 1947. Class 4.

Ducharme, F., Silk Co., Inc., New York, N. Y. Textile fabric in the piece. 436,160, Jan. 27; Serial No. 509,077, published Oct. 14, 1947. Class 42.

Dudgeon, Richard, Inc.: See—
Dudgeon, William M.

Dudgeon, Richard, Inc., New York, N. Y. Hydraulic jacks, presses, pumps, etc. 238,140, renewed Jan. 31, 1948. O. G. Jan. 27. Class 23.

Dudgeon, William M., executor of Richard Dudgeon, to Richard Dudgeon, Inc., New York, N. Y. Hydraulic jacks. 65,063, re-renewed Sept. 3, 1947. O. G. Jan. 27. Class 23.

Dudgeon, William M., executor of Richard Dudgeon, to Richard Dudgeon, Inc., New York, N. Y. Hydraulic jacks. 65,066, re-renewed Sept. 3, 1947. O. G. Jan. 27. Class 23.

Dunne, F. L., Co.: See—
Dunne, Frank L.

Dunne, Frank L., by F. L. Dunne Co., Boston, Mass. Men's fine outer clothing. 25,564, Dec. 4, 1894. Republished Jan. 27. Class 39.

Eisendrath, B. D., Tanning Co., Chicago, Ill., and Racine, Wis. Leather. 436,199, Jan. 27; Serial No. 514,189, published Nov. 4, 1947. Class 1.

Elmo Sales Corporation, Philadelphia, Pa. Face creams and face lotions. 436,190, Jan. 27; Serial No. 513,240, published Oct. 21, 1947. Class 6.

Eureka Laboratories, Dallas, Tex. Textile and like dyes. 436,161, Jan. 27; Serial No. 509,144, published Nov. 4, 1947. Class 6.

F & L Food Products Co., Colorado Springs, Colo. Potato chips. 436,254, Jan. 27; Serial No. 520,332, published Oct. 28, 1947. Class 46.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. System tonic. 157,329-30, Aug. 1, 1922. Republished Jan. 27. Class 6.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Tonic to improve the appetite. 157,331-32, Aug. 1, 1922. Republished Jan. 27. Class 6.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. System tonic to improve the appetite, to promote digestion, to regulate the action of the bowels, etc. 157,333, Aug. 1, 1922. Republished Jan. 27. Class 6.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Tonic to improve the appetite. 158,434, Sept. 5, 1922. Republished Jan. 27. Class 6.

Ferguson, George M., Portland, Ore. Tweezers. 436,158, Jan. 27; Serial No. 507,383, published Nov. 4, 1947. Class 44.

Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Mineral-surfaced asphalt shingles and mineral-surfaced asphalt roofing. 233,861, renewed Oct. 11, 1947. O. G. Jan. 27. Class 12.

LIST OF REGISTRANTS OF TRADE-MARKS

Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Roofing felt and roofing paper, prepared roofing, shingles, strip shingles, and other named construction materials. 233,906, renewed Oct. 11, 1947. O. G. Jan. 27. Class 12.

Flood, Roxanna E., doing business as Roxbeth Products, Columbus, Ohio. Preparation for falling hair and itching scalp. 436,183, Jan. 27; Serial No. 512,114, published Oct. 21, 1947. Class 6.

Foam-Mix Products Co.: See—
Mackinnon, Bernard R.

Ford Distributing Company: See—
Ford, W. F.

Ford, W. F., doing business as Ford Distributing Company, Marvell, Ark. Hair dressing. 436,296, Jan. 27; Serial No. 526,817, published Nov. 4, 1947. Class 6.

Poster, M. E., Los Angeles, Calif. Heavy duty commercial trailers. 436,298, Jan. 27. Class 19.

Fox Knapp Manufacturing Co., New York, N. Y. Flannel, dress, negligee and work shirts. 234,571, renewed Nov. 1, 1947. O. G. Jan. 27. Class 39.

Frankel, Norman S., New York, N. Y. Perfume and toilet water. 436,207, Jan. 27; Serial No. 515,093, published Oct. 28, 1947. Class 6.

Fredrikstad Preserving Co., to Fredrikstad Preserving Co. A/S, Fredrikstad, Norway. Canned herrings and anchovies. 217-710, renewed Sept. 7, 1946. O. G. Jan. 27. Class 46.

Fredrikstad Preserving Co. A/S: See—
Fredrikstad Preserving Co.

French, R. T. Company, The: See—
Reckitt & Sons, Limited.

Gallaher, Edward B., New York, N. Y., to Clover Manufacturing Company, Norwalk, Conn. Metal polish. 65,094, re-renewed Sept. 10, 1947. O. G. Jan. 27. Class 4.

Garcia, Augustin R., Habana, Cuba. Toilet waters, lotions for the skin, perfume essence, etc. 436,252, Jan. 27; Serial No. 520,275, published Nov. 4, 1947. Class 6.

Geigy Company, Inc., New York, N. Y. Dyestuffs. 436,142, Jan. 27; Serial No. 501,657, published Nov. 4, 1947. Class 6.

Geigy Company, Inc., New York, N. Y. Dyestuff. 436,151, Jan. 27; Serial No. 504,106, published Nov. 4, 1947. Class 6.

Geigy Company, Inc., New York, N. Y. Bluing agent. 436,189, Jan. 27; Serial No. 513,046, published Oct. 28, 1947. Class 6.

General Aniline & Film Corporation, New York, N. Y. Powdered detergents. 436,143, Jan. 27; Serial No. 501,730, published Oct. 28, 1947. Class 4.

General Development Company, assignor to King Chemical & Engineering Company, Cleveland, Ohio. Metal polish. 436,137, Jan. 27; Serial No. 497,022, published Oct. 21, 1947. Class 4.

General Fireproofing Co., The, to Truscon Steel Company, Youngstown, Ohio. Expanded metal structures. 64,703, re-renewed Aug. 20, 1947. O. G. Jan. 27. Class 12.

General Shoe Corporation: See—
Victorinus, A. V., & Company.

Georgia Marble Company, The, Tate, Ga. Poultry grit. 436,138, Jan. 27; Serial No. 498,060, published Nov. 4, 1947. Class 1.

Gleesacke-D'Oench-Hays Shoe Company, to International Shoe Company, St. Louis, Mo. Youths', misses', boys', and children's leather shoes. 64,222, re-renewed July 30, 1947. O. G. Jan. 27. Class 39.

Gill & Duffus, to Gill & Duffus Limited, London, England. Nut kernels in their natural state for food. 231,543, renewed Aug. 23, 1947. O. G. Jan. 27. Class 46.

Gill & Duffus Limited: See—
Gill & Duffus.

Globe Soap Company, The, by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 155,428, May 30, 1922. Republished Jan. 27. Class 4.

Glycerine Producers Association: See—
Association of American Soap & Glycerine Producers, Inc.

Golden Arrow Toiletries, New York, N. Y. Lipstick, lip pencil, rouge, etc. 436,144, Jan. 27; Serial No. 502,436, published Oct. 28, 1947. Class 6.

Good Roads Machinery Corporation: See—
American Road Machinery Company.

Gordon Baking Company, assignee: See—
Gordon-Pagel Company.

Gordon-Pagel Company, assignor to Gordon Baking Company, to Gordon Baking Company, Detroit, Mich. Bread. 232,388, renewed Sept. 6, 1947. O. G. Jan. 27. Class 46.

Grady-Travers Co., Incorporated, The, New York, N. Y. Cordage. 236,245, renewed Dec. 6, 1947. O. G. Jan. 27. Class 7.

Grand Pop Bottling Company: See—
Mil-Coa Company.

Greencastle Packing Company, The: See—
Hemingway, H. F., & Co.

Greenfield Tap and Die Corporation, Greenfield, Mass. Gages, to wit plain cylindrical plug, and ring gages, etc. 147,318, Oct. 11, 1921. Republished Jan. 27. Class 26.

Grieve, Henry: See—
Wye, George E., Company.

Griffin, B. A., Company, Inc., Milwaukee, Wis. Spiced and pickled herring. 436,128, Jan. 27; Serial No. 482,486, published Sept. 10, 1946. Class 46.

Grover, L. C., doing business as Chaver Trading Company, San Francisco, Calif. Canned vegetable juices. 436,203, Jan. 27; Serial No. 514,706, published Oct. 28, 1947. Class 46.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 436,220, Jan. 27; Serial No. 516,977, published Apr. 15, 1947. Class 27.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. 436,228, Jan. 27; Serial No. 517,414, published Nov. 4, 1947. Class 27.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. 436,267, Jan. 27; Serial No. 522,822, published Nov. 4, 1947. Class 27.

Gunite Foundries Corporation: See—
Rockford Malleable Iron Works.

Gurley Candy Company, Inc., by John A. Gurley, Minneapolis, Minn. Chocolate candy. 112,506, Sept. 12, 1916. Republished Jan. 27. Class 46.

Gurley, John A.: See—
Gurley Candy Company, Inc.

H. H. Manufacturers: See—
"HH" Manufacturers, Inc.

"HH" Manufacturers, Inc., to H. H. Manufacturers, Long Beach, Calif. Seat springs, back rest, axles, etc. 222,048, renewed Dec. 21, 1946. O. G. Jan. 27. Class 19.

Hackney, George W., trustee, doing business as The Uncle Sam Truss Company, Weslaco, Tex. Hernia trusses. 436,130, Jan. 27; Serial No. 484,949, published Oct. 28, 1947. Class 44.

Hammond, E. Maria, New York, N. Y. Cleansing, emollient and foundation cosmetic creams and lotions. 436,294, Jan. 27; Serial No. 525,591, published Nov. 4, 1947. Class 6.

Hammond, G. H., Company, to G. H. Hammond Company, Chicago, Ill. Soap. 232,833, renewed Sept. 20, 1947. O. G. Jan. 27. Class 4.

Hammond Mfg. Co.: See—
Hammond, Robert T.

Hammond, Robert T., doing business as Hammond Mfg. Co., Denver, Colo. Pet food. 436,249, Jan. 27; Serial No. 520,102, published Oct. 28, 1947. Class 46.

Harbro Company: See—
Harry, Robert C.

Harry, Robert C., doing business as Harbro Company, Kansas City, Kans. Germicidal and anti-bacterial solution. 436,209, Jan. 27; Serial No. 515,306, published Nov. 4, 1947. Class 6.

Helleman, G., Brewing Co., to G. Helleman Brewing Co., La Crosse, Wis. Beer. 63,492, re-renewed June 25, 1947. O. G. Jan. 27. Class 48.

Helm Chemical Company, to Ray P. Helm, doing business as The Helm Company, Benton Harbor, Mich. Preparation for the relief of piles. 236,543, renewed Dec. 13, 1947. O. G. Jan. 27. Class 6.

Helm Company, The: See—
Helm Chemical Company.

Helm, Ray P.: See—
Helm Chemical Company.

Hemingway, H. F., & Co., Baltimore, Md., to The Greencastle Packing Company, Greencastle, Pa. Canned fruits and vegetables. 65,051, re-renewed Sept. 3, 1947. O. G. Jan. 27. Class 46.

Henderson, Eugene L., doing business as La Jean Product Company, Meridian, Miss. Hair dressing and shampoo. 436,170, Jan. 27; Serial No. 510,952, published Nov. 4, 1947. Class 6.

Hewes & Potter, assignor to Hewes & Potter, Incorporated, to Hewes & Potter, Inc., Boston, Mass. Suspenders. 230,967, renewed Aug. 9, 1947. O. G. Jan. 27. Class 39.

Hewes & Potter, Inc.: See—
Hewes & Potter.

Hewes & Potter, Incorporated, assignee: See—
Hewes & Potter.

Hockaday, Inc., Chicago, Ill. Linseed oil soap. 436,212, Jan. 27; Serial No. 515,559, published Nov. 4, 1947. Class 4.

Hooper, Wm. E., & Sons Company: See—
Hooper, Wm. E., & Sons Co.

Hooper, Wm. E., & Sons Co., to Wm. E. Hooper & Sons Company, Woodberry, Baltimore, Md. Waterproof fabric and waterproof cotton duck. 236,082, renewed Dec. 6, 1947. O. G. Jan. 27. Class 50.

Hooper, Wm. E., & Sons Co., to Wm. E. Hooper & Sons Company, Woodberry, Baltimore, Md. Cotton rope, sash cord, seine twines, etc. 236,106, renewed Dec. 6, 1947. O. G. Jan. 27. Class 7.

Horlick Corporation: See—
Horlick's Food Company.

Horlick's Food Company, Mount Pleasant and Racine, by Horlicks Corporation, Racine, Wis. Food preparation. 14,856, Oct. 25, 1887. Republished Jan. 27. Class 46.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Metal tanks, cisterns and troughs. 436,301, Jan. 27. Class 2.

Ielmini Bros., also doing business as Patterson Frozen Foods, Patterson, Calif. Frozen vegetables and frozen deciduous fruits. 436,215, Jan. 27; Serial No. 516,077, published Oct. 28, 1947. Class 46.

Inderrieden Canning Co., assignor to J. B. Inderrieden Co., to J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 232,055, renewed Aug. 30, 1947. O. G. Jan. 27. Class 46.

Inderrieden, J. B. Co., assignee: See—
Inderrieden Canning Co.

International Nickel Company, Inc., The, New York, N. Y. Nickel-containing cast iron. 436,191-2, Jan. 27; Serial Nos. 513,312-3, published Oct. 28, 1947. Class 14.

International Nickel Company, Inc., The, New York, N. Y. Welding wire. 436,234-6, Jan. 27; Serial Nos. 518,602-4, published Oct. 28, 1947. Class 14.

International Paper Company: See—
Continental Paper & Bag Mills Corporation.

International Salt Company: See—
Avery Rock Salt Mining Company.

International Shoe Company: See—
Giesecke-D'Oench Company.

Jacobs Bros. Co., Inc., The, Brooklyn, N. Y. Scales. 235,045, renewed Nov. 8, 1947. O. G. Jan. 27. Class 26.

Johnston, Holloway & Co., Inc., Philadelphia, Pa. Medicated ointment. 436,178, Jan. 27; Serial No. 511,304, published Nov. 4, 1947. Class 6.

Jones, Paul and Company Inc.: See—
Kentucky Holding Corporation.

Kahn, Benjamin W., Chicago, Ill. Eye glass cleaner and polish. 436,193, Jan. 27; Serial No. 513,429, published Oct. 2, 1947. Class 4.

Kaufman Department Stores, Inc., Pittsburgh, Pa., to The May Department Stores Company, St. Louis, Mo. Batteries, radio receiving sets, and parts therefor. 231,001, renewed Aug. 9, 1947. O. G. Jan. 27. Class 21.

Keesee Packing Company, Belle Glade, Fla. Fresh vegetables. 436,195, Jan. 27; Serial No. 513,744, published Oct. 28, 1947. Class 46.

Kentucky Holding Corporation, The, Louisville, Ky., to Paul Jones and Company Inc., Baltimore, Md. Whisky. 231,091, renewed Aug. 23, 1947. O. G. Jan. 27. Class 49.

Kentucky Holding Corporation, The, Louisville, Ky., to Paul Jones and Company Inc., Baltimore, Md. Whisky. 232,090, renewed Aug. 30, 1947. O. G. Jan. 27. Class 49.

Kessler & Co. Limited, Manchester, England. Piece goods of cotton, worsted, etc. 436,200-1, Jan. 27; Serial Nos. 525,086-7, published Oct. 14, 1947. Class 42.

Kester Solder Company: See—
Chicago Solder Company.

Keystone Steel & Wire Company, South Bartonville, Peoria, Ill. Nails. 233,175, renewed Sept. 27, 1947. O. G. Jan. 27. Class 13.

King Chemical & Engineering Company, assignee: See—
General Development Company.

Kirk, C. F., Company, New York, N. Y. Vegetable oil solution of estrogenic hormones. 436,175, Jan. 27; Serial No. 511,165, published Oct. 28, 1947. Class 6.

Kirk, C. F., Company, New York, N. Y. Intramuscular injection. 436,176, Jan. 27; Serial No. 511,169, published Oct. 28, 1947. Class 6.

Kirschbraun & Sons, to Frank Pilley & Sons, Inc., Omaha, Neb. Creamery-butter. 61,601, re-renewed Mar. 26, 1947. O. G. Jan. 27. Class 46.

Kitson Machine Shop, Lowell, Mass., to Saco-Lowell Shops, Boston, Mass. Textile machinery and parts thereof. 234,740, renewed Nov. 1, 1947. O. G. Jan. 27. Class 23.

Krayer Manufacturing Co. Inc., Elizabeth, N. J. Cleansing cream. 436,283, Jan. 27; Serial No. 524,402, published Oct. 2, 1947. Class 4.

Kuehn Milling Company, Redwood City, Calif. Dog food meal, whole biscuits and kibbled biscuits, etc. 436,180, Jan. 27; Serial No. 511,745, published Oct. 28, 1947. Class 46.

Kyle, Mason, doing business as Shamitex, Baltimore, Md. Liquid-impregnated paper for dusting, cleaning and polishing. 436,219, Jan. 27; Serial No. 516,856, published Nov. 4, 1947. Class 4.

La Jean Product Company: See—
Henderson, Eugene L.

Larabee Flour Mills Company, The, Kansas City, Mo., assignor to Commander Larabee Cereal Co., to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 232,296, renewed Sept. 6, 1947. O. G. Jan. 27. Class 46.

La Societe des Savons Français, Paris, France, to La Societe des Savons Français, Clichy (Seine), France. Toilet soap. 236,168, renewed Dec. 6, 1947. O. G. Jan. 27. Class 4.

Laundrette Soap Corporation, New York, N. Y. Laundry starch. 436,272, Jan. 27; Serial No. 523,592, published Oct. 28, 1947. Class 6.

Lawrence Publishing Company, The, to Capper-Harman-Slocum, Inc., Cleveland, Ohio. Weekly periodical. 226,704, renewed Apr. 19, 1947. O. G. Jan. 27. Class 38.

Lee, Elizabeth, Buffalo, N. Y. Hair dressing. 436,289, Jan. 27; Serial No. 524,786, published Nov. 4, 1947. Class 6.

Levinsohn Textile Co., New York, N. Y. Tickings, ready-made pillow ticks. 436,132, Jan. 27; Serial No. 490,592, published Oct. 21, 1947. Class 42.

Libbey Glass Company by Owens Illinois Glass Company, Toledo, Ohio. Cut glass articles. 54,172, June 19, 1906. Republished Jan. 27. Class 33.

Loo, Yun S., Honolulu, Hawaii. Liquid pharmaceutical preparation. 436,157, Jan. 27; Serial No. 507,325, published Oct. 21, 1947. Class 6.

Mackinnon, Bernard R., doing business as Foam-Mix Products Co., Buffalo, N. Y. Household cleaner. 436,200, Jan. 27; Serial No. 514,365, published Nov. 4, 1947. Class 4.

"Madeline's": See—
Cash, Madeline E.

Malsh, Chas. A., Co., The, Cincinnati, Ohio. Comforters, bedspreads, drapes, etc. 436,135-6, Jan. 27; Serial Nos. 496,559-60, published Oct. 21, 1947. Class 42.

Mann, James H., Lewiston, Pa., by The American Fork & Hoe Company, Cleveland, Ohio. Axes. 29,573, Feb. 9, 1897. Republished Jan. 27. Class 23.

Markowitz, Idel, doing business as The Penn Fur Company, to Penn Fifth Avenue Corp., also known as Penn-Fifth Avenue Corp., New York, N. Y. Men's and women's fur coats and fur trimmed coats and women's fur capes, etc. 232,087, renewed Aug. 30, 1947. O. G. Jan. 27. Class 39.

Marriage, Olive L., Barnhart, Mo. Woven rugs, table cloths, table place mats, etc. 436,159, Jan. 27; Serial No. 508,176, published Oct. 14, 1947. Class 42.

Marshall Field & Company, Chicago (2), Ill. Tablecloths. 436,239, Jan. 27; Serial No. 518,685, published Oct. 21, 1947. Class 42.

Martin, Daniel J., Berea, Ohio. Incinerators, salamanders, smudge pots, and rubbish burners. 436,302, Jan. 27. Class 34.

Martin, J. B., Company, Norwich, Conn. Textile fabrics in the piece. 436,165, Jan. 27; Serial No. 510,329, published Oct. 14, 1947. Class 42.

Marvel Company, The, New Haven, Conn. Fountain and rubber bulb syringes. 436,266, Jan. 27; Serial No. 522,717, published Nov. 4, 1947. Class 44.

May Department Stores Company, The: See—
Kaufmann Department Stores, Inc.

May, Earl E., Seed Co.: See—
May Seed & Nursery Co.

May Seed & Nursery Co., doing business as Earl E. May Seed Co., Shenandoah, Iowa. Hybrid seed corn. 436,182, Jan. 27; Serial No. 512,010, published Nov. 4, 1947. Class 1.

McCord Corporation, The, New York, N. Y. Vinyl-type plastic sheeting. 436,214, Jan. 27; Serial No. 516,065, published Oct. 14, 1947. Class 42.

McGregor & Werner, Incorporated, Washington, D. C. Carbon paper. 436,206, Jan. 27; Serial No. 515,035, published Oct. 28, 1947. Class 11.

Mereminsky, Perez, New York, N. Y. Watch parts. 436,131, Jan. 27; Serial No. 490,542, published Nov. 4, 1947. Class 27.

Metakloth Company, Lodi, N. J. Waterproof and water-repellent cotton piece goods. 436,134, Jan. 27; Serial No. 496,035, published Oct. 21, 1947. Class 42.

Metropolitan Refining Co., Inc., Long Island and New York, N. Y. Heating efficiency preparations. 436,247, Jan. 27; Serial No. 519,968, published Oct. 28, 1947. Class 6.

Miami Margarine Company, The, Cincinnati, Ohio. Margarine. 436,187, Jan. 27; Serial No. 512,597, published Oct. 28, 1947. Class 46.

Miami Valley Cooperative Milk Producers Association, The, Dayton, Ohio. Butter. 231,400, renewed Aug. 16, 1947. O. G. Jan. 27. Class 46.

Mil-Coa Company, The, to Grand Pop Bottling Company, Cincinnati, Ohio. Nonalcoholic, maltless beverage. 233,567, renewed Oct. 4, 1947. O. G. Jan. 27. Class 45.

Mineralized Foods, Inc., doing business as Sea Vegetation Import Co., Baltimore, Md. Vitaminic mineral food supplement preparations. 436,171, Jan. 27; Serial No. 510,967, published Nov. 4, 1947. Class 6.

Minoka Manufacturing Co.: See—
Christiansen, Mildred A.

Minot, Hooper & Co., New York, N. Y. Sheetings, shirts, drillings and osnaburgs. 63,859, re-renewed July 9, 1947. O. G. Jan. 27. Class 42.

Modern Supply Company, Pittsburgh, Pa. Cleanser and polish. 436,284, Jan. 27; Serial No. 524,409, published Oct. 28, 1947. Class 4.

Mohr, Edward J.: See—
Mohr, Peter.

Mohr, Peter, to Edward J. Mohr, doing business as Peter Mohr Cigar Co., Belleville, Ill. Cigars. 66,221, re-renewed Nov. 19, 1947. O. G. Jan. 27. Class 17.

Mohr, Peter, Cigar Co.: See—
Mohr, Peter.

Monsanto Chemical Company, St. Louis, Mo. Chemical toxicants. 436,271, Jan. 27; Serial No. 523,529, published Nov. 4, 1947. Class 6.

Montgomery Ward & Co., Incorporated, Chicago, Ill. Radio receiving sets and on radio parts and accessories. 234,723, renewed Nov. 1, 1947. O. G. Jan. 27. Class 21.

Moore, John H., Inc., New York, N. Y. Foot powder. 436,282, Jan. 27; Serial No. 524,331, published Nov. 4, 1947. Class 6.

Mount Vernon-Woodberry Cotton Duck Company, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 65,947, re-renewed Oct. 29, 1947. O. G. Jan. 27. Class 42.

Mount Vernon-Woodberry Cotton Duck Company, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 66,028, re-renewed Nov. 5, 1947. O. G. Jan. 27. Class 42.

Mount Vernon-Woodberry Cotton Duck Company, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 66,051, re-renewed Nov. 5, 1947. O. G. Jan. 27. Class 42.

Mount Vernon-Woodberry Cotton Duck Company, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 66,471, re-renewed Dec. 3, 1947. O. G. Jan. 27. Class 42.

Mt. Vernon-Woodberry Mills, Inc.: See—
Mount Vernon-Woodberry Cotton Duck Company.

Mueller Brass Co., Port Huron, Mich. Ingots, pigs, rods and forgings and castings of nonferrous metal. 238,661, renewed Feb. 14, 1948. O. G. Jan. 27. Class 14.

Müllhens, Paul P., doing business under the name Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepot von Ferd. Müllhens, Köln A. Rhein, Cologne-on-the-Rhine, Germany, to The Attorney General of the United States, Washington, D. C. Eau de cologne water, perfumery, hair tonics and other named toilet items. 231,347, renewed Aug. 16, 1947. O. G. Jan. 27. Class 6.

Mushroom Products, Inc., assignee: See—
World's Mushroom Center Specialty Canning Co.

Naco Fertilizer Company, New York, N. Y. Fertilizer and fertilizer materials. 436,241, Jan. 27; Serial No. 519,408, published Oct. 21, 1947. Class 10.

National Canine Products, Inc., New York, and Brooklyn, N. Y. Round worm and hookworm capsules. 436,292, Jan. 27; Serial No. 525,232, published Nov. 4, 1947. Class 6.

National Filter Corporation, New York, N. Y. Cleansing compound. 436,167, Jan. 27; Serial No. 510,793, published Oct. 21, 1947. Class 4.

Newton Machine Tool Works, Incorporated, Philadelphia, Pa., by Consolidated Machine Tool Corporation, Rochester, N. Y. Milling machine, planing machines, drilling and boring machines, etc. 62,316, Apr. 30, 1907. Republished Jan. 27. Class 23.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn., and New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat flour. 153,811, Mar. 28, 1922. Republished Jan. 27. Class 46.

O'Bannon, Loran, doing business as The Banhill Company, Columbus, Ohio. Skin lotion. 436,222, Jan. 27; Serial No. 517,260, published Nov. 4, 1947. Class 6.

Ollendorff, I., Co., Inc., to Ollendorff Watch Co. Inc., New York, N. Y. Watches, clocks, and their cases and movements. 235,938, renewed Nov. 29, 1947. O. G. Jan. 27. Class 27.

Ollendorff Watch Co. Inc.: See—
Ollendorff, I., Co. Inc.

Onelda Ltd., Sherrill and Onelda, N. Y. Silverplated flat tableware. 436,274-7, Jan. 27; Serial Nos. 523,993-6, published Oct. 28, 1947. Class 28.

Onelda Ltd., Sherrill and Onelda, N. Y. Silverplated flat tableware. 436,278-80, Jan. 27; Serial Nos. 523,999-524,000, published Oct. 28, 1947. Class 28.

Otsego Fork Mills Co. Ltd., Girard, Pa., by The American Fork and Hoe Company, Cleveland, Ohio. Agricultural tools. 30,526, Aug. 24, 1897. Republished Jan. 27. Class 23.

Owenby Manufacturing Company, Marietta, Ga. Wash cloths and towels. 436,229, Jan. 27; Serial No. 517,659, published Oct. 14, 1947. Class 42.

Owens Illinois Glass Company: See—
Libbey Glass Company, The.

Owl Drug Co., The, San Francisco, Calif., to The Owl Drug Co., Los Angeles, Calif. Sanitary napkins. 231,957, renewed Aug. 30, 1947. O. G. Jan. 27. Class 44.

Pallade Manufacturing Company, The, Yonkers, N. Y., by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 173,886, Oct. 2, 1923. Republished Jan. 27. Class 4.

Parfumerie Silka: See—
Roussel, Maurice.

Pa-Tron Products Co.: See—
Patterson, E. F.

Patterson, E. F., doing business as Pa-Tron Products Co., Dallas, Tex. Washing compound. 436,216, Jan. 27; Serial No. 516,147, published Oct. 28, 1947. Class 4.

Patterson Frozen Foods: See—
Ielmini Bros.

Pedigree Fabrics, Inc., New York, N. Y. Woven textile fabrics. 436,218, Jan. 27; Serial No. 516,785, published Oct. 14, 1947. Class 42.

Pemco Corporation, Baltimore, Md. Acid resistant porcelain enamel frits. 436,149, Jan. 27; Serial No. 503,261, published Nov. 4, 1947. Class 1.

Penn Fifth Avenue Corp.: See—
Markowitz, Idel.

Penn-Fifth Avenue Corp.: See—
Markowitz, Idel.

Penn Fur Company: See—
Markowitz, Idel.

Phillips, W. T., Jr., doing business as W. T. Phillips & Son, Hampton, Va. Potato chips. 436,227, Jan. 27; Serial No. 517,377, published Oct. 28, 1947. Class 46.

Phillips, W. T. & Son: See—
Phillips, W. T., Jr.

Picchieth, Bernice M., doing business as Bernice of Hollywood Cosmetics, Chicago, Ill. Face powder, hair oils and tonics, brilliantine, etc. 436,281, Jan. 27; Serial No. 524,206, published Oct. 28, 1947. Class 6.

Pickard, Ben, Chicago, Ill. Cologne. 436,295, Jan. 27; Serial No. 525,674, published Oct. 28, 1947. Class 6.

Pickard, Incorporated: See—
Pickard Studios, Incorporated.

Pickard Studios, Incorporated, Chicago, Ill., to Pickard, Incorporated, Antioch, Ill. Pottery and porcelain. 233,584, renewed Oct. 4, 1947. O. G. Jan. 27. Class 30.

Pierre, Dr., Chemical Company, to Dr. Pierre Chemical Company, Chicago, Ill. Suppositories, tablets, and pills. 65,959, re-renewed Nov. 5, 1947. O. G. Jan. 27. Class 6.

Pik-O-Pantry Foods: See—
Taylor, Lewis S., Jr.

Pilley, Frank, & Sons, Inc.: See—
Kirschbraun & Sons.

Pillsbury Mills, Inc.: See—
Pillsbury-Washburn Flour Mills Company, Ltd.

Pillsbury-Washburn Flour Mills Company, Ltd., by Pillsbury Mills, Inc., Minneapolis, Minn. Flour. 45,179-80, Aug. 8, 1905. Republished Jan. 27. Class 46.

Pinehurst Textiles, Inc.: See—
Sexton Mfg. Co.

Plaz, Inc., St. Louis, Mo. Liquid and paste materials for cleaning and polishing. 436,217, Jan. 27; Serial No. 516,720, published Nov. 4, 1947. Class 4.

Plough, Inc., Memphis, Tenn. Diuretic pills; laxative powders; cold tablets; etc. 436,204, Jan. 27; Serial No. 514,778, published Oct. 28, 1947. Class 6.

Plough, Inc., Memphis, Tenn. Lighter fluid. 436,205, Jan. 27; Serial No. 514,774, published Nov. 4, 1947. Class 6.

Pocahontas Fuel Company Incorporated, Pocahontas, Va., and New York, N. Y., to Pocahontas Fuel Company Incorporated, New York, N. Y. Coal. 232,348, renewed Sept. 8, 1947. O. G. Jan. 27. Class 1.

Poly Choke Company, Incorporated, The, Tariffville, Conn. Barrel choking devices for firearms. 436,169, Jan. 27. Serial No. 510,891, published Oct. 28, 1947. Class 9.

Ponemah Mills, Taftville, Conn. Rayon and cotton piece goods. 436,221, Jan. 27; Serial No. 517,167, published Oct. 14, 1947. Class 42.

Poudreries Reunies De Belgique, Société Anonyme: See—
Société Anonyme des Explosifs de Clermont Muller & Cie.

Premier Jellico Coal Corporation, Middlesboro, Ky. Coal. 436,223, Jan. 27; Serial No. 517,261, published Nov. 4, 1947. Class 1.

Procter & Gamble Company, The: See—
Globe Soap Company, The.

Pallade Manufacturing Company, The.

Van Camp Packing Company, Inc., The.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 155,801, June 6, 1922. Republished Jan. 27, 1948. Class 4.

Procter and Gamble Company, The, Cincinnati, Ohio. Cooking fats. 156,736, July 11, 1922. Republished Jan. 27. Class 46.

Publ. John, Products Company, The: See—
Condensed Bluing Company.

Pur-Bol Products Company, Canton, Ohio. Toilet bowl cleaner. 436,162, Jan. 27; Serial No. 510,026, published Oct. 21, 1947. Class 4.

Pure Drinks, Inc., Cleveland, Ohio. Bottled concentrated orange juice. 436,260, Jan. 27; Serial No. 521,207, published Oct. 28, 1947. Class 48.

Purity Baking Company, St. Paul, Minn. Bread. 211,945, renewed Apr. 20, 1946. O. G. Jan. 27. Class 46.

Reckitt & Sons, Limited, Hull, England, to The R. T. French Company, New York, N. Y. Laundry blue. 236,373, renewed Dec. 13, 1947. O. G. Jan. 27. Class 6.

Regal Shoe Company: See—
Regal Shoe Company, Inc.

Regal Shoe Company Inc., Boston, by Regal Shoe Company, Whitman, Mass. Leather boots and shoes. 48,351, Dec. 26, 1905. Republished Jan. 27. Class 39.

Rex, Clarence R., Toledo, Ohio. Combinations of soil conditioning and chemical ingredients. 436,145, Jan. 27; Serial No. 502,459, published Oct. 28, 1947. Class 10.

Rhoads, J. E., & Sons, Philadelphia, Pa. Belt preserver and dressing and liquid belt preserver. 237,811, renewed Jan. 17. O. G. Jan. 27. Class 4.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Piece goods of rayon, cotton, wool, etc. 436,129, Jan. 27; Serial No. 484,065, published Aug. 28, 1945. Class 42.

Rockford Malleable Iron Works, to Gunite Foundries Corporation, Rockford, Ill. Iron carbon alloy. 234,066, renewed Oct. 18, 1947. O. G. Jan. 27. Class 14.

Rosebud Perfume Company: See—
Smith, George F.

Rosens, Edmond, Paris, France. Perfumes, toilet waters, rouge, etc. 436,265, Jan. 27; Serial No. 522,044, published Nov. 4, 1947. Class 6.

Roussel, Maurice, doing business as Parfumerie Silka, Paris, France. Perfumes, toilet waters, face lotions, etc. 148,735, renewed Nov. 22, 1941. O. G. Jan. 27. Class 6.

Roxbeth Products: See—
Flood, Roxanna E.

Royal Home Products, Inc.: See—
American Products Company, The.

Rubber Cultuur Maatschappij "Amsterdam," N. V., Amsterdam, Netherlands. Rubber. 229,237, renewed June 21, 1947. O. G. Jan. 27. Class 1.

Ruger Equipment Company, Portland, Oreg. Dollies or tiny trucks. 436,300, Jan. 27. Class 19.

Rumford Chemical Works, Providence, to Rumford Chemical Works, Rumford, R. I. Chemical cleansing and burnishing compound. 234,234, renewed Oct. 18, 1947. O. G. Jan. 27. Class 6.

Rumpf, Gustav A., doing business as Da-Z Mfg. Co., Jenkintown, to James C. Courtenay, Philadelphia, Pa. Liquid polish for cleaning and polishing woodwork, floors, linoleum, etc. 228,365, renewed May 31, 1947. O. G. Jan. 27. Class 16.

S-M-S Products, Inc., Harrison, N. Y. Household cleaner. 436,262, Jan. 27; Serial No. 521,412, published Oct. 14, 1947. Class 4.

Saco-Lowell Shops: See—
Kitsen Machine Shop.

Salad King Company, Baltimore, Md. Sandwich spread. 436,258, Jan. 27; Serial No. 521,151, published Oct. 28, 1947. Class 46.

Sanitax Brush Company, Chicago, to Sanitax Brush and Products Company, Chicago, Ill. Brushes, etc. 156,412, June 20, 1922. Republished Jan. 27. Class 29.

Sanitax Brush and Products Company: See—
Sanitax Brush Company.

Sargeant Acnold Pharmaceutical Co., Inc.: See—
Sargeant, Mortimer W.

Sargeant, Mortimer W., by Sargeant Acnold Pharmaceutical Co., Inc., East Orange, N. J. Ointment. 95,788, Mar. 10, 1914. Republished Jan. 27. Class 6.

Schalk, Otto, doing business as Worldwide Trading Company, San Francisco, Calif. Fresh grapes; canned fish. 436,259, Jan. 27; Serial No. 521,152, published Oct. 28, 1947. Class 46.

Schneider, Lou, Inc.: See—
Schneider & Miller, Inc.

Schneider & Miller, Inc., to Lou Schneider, Inc., New York, N. Y. Ladies' coats. 235,880, renewed Nov. 28, 1947. O. G. Jan. 27. Class 39.

Sea Vegetation Import Co.: See—
Mineralized Foods, Inc.

Selectronic Dispersions, Inc., Montclair, N. J. Plastic compounds and dispersions. 436,148, Jan. 27; Serial No. 503,174, published Oct. 28, 1947. Class 1.

Seufert Brothers Company, The Dalles, Oreg. Canned fish. 436,210, Jan. 27; Serial No. 515,461, published Oct. 28, 1947. Class 46.

Sexton Mfg. Co., Fairfield, Ill., to Pinehurst Textiles, Inc., Asheboro, N. C. Men's underwear and night wear. 236,437, renewed Dec. 13, 1947. O. G. Jan. 27. Class 39.

Shamitex: See—
Kyle, Mason.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Blood clotting preparation and preparation for use in antibacterial therapy. 436,201, Jan. 27; Serial No. 514,501, published Aug. 26, 1947. Class 6.

Sigma Chemical Co., St. Louis, Mo. Saccharin tablets. 436,282, Jan. 27; Serial No. 518,176, published Oct. 28, 1947. Class 46.

Simonecelli Brothers, Scranton, Pa. Olive oil. 233,106, renewed Sept. 20, 1947. O. G. Jan. 27. Class 46.

Sinclair Manufacturing Company, The, by The Sinclair Manufacturing Company, Toledo, Ohio. Chloride of lime concentrated lye, powdered borax, and ammonia. 95,359, Feb. 10, 1914. Republished Jan. 27. Class 6.

Smith, George F., doing business as Rosebud Perfume Company, Woodboro, Md. Preparation for the relief of colds, croup, asthma, etc. 234,391, renewed Oct. 25, 1947. O. G. Jan. 27. Class 6.

Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. 436,196, Jan. 27; Serial No. 518,778, published Oct. 28, 1947. Class 6.

Societa Anonima Prodotti Farmaceutici Specializzati Dott. M. Calosi & Figlio, Florence, Italy, to Societa Anonima Prodotti Farmaceutici Specializzati Dott. M. Calosi & Figlio, Firenze, Italy. Medicinal product for treatment of scrofula, lymphomatosis, etc. 225,604, renewed Mar. 22, 1947. O. G. Jan. 27. Class 6.

Societe Anonyme "Crayons Conte," Regny and Paris, France, to Societe Anonyme "Crayons Conte," Regny, France. Crayons, crayon holders, pencils, etc. 179,111, renewed Feb. 5, 1944. O. G. Jan. 27. Class 37.

Societe Anonyme "Crayons Conte," Regny and Paris, France, to Societe Anonyme "Crayons Conte," Regny, France. Crayons, crayon holders, pencils, penholders, etc. 183,022-3, renewed Apr. 22, 1947. O. G. Jan. 27. Class 37.

Societe Anonyme "Crayons Conte," Regny and Paris, France, to Societe Anonyme "Crayons Conte," Regny, France. Crayons, crayon holders, pencils, penholders, etc. 185,437, renewed June 17, 1947. O. G. Jan. 27. Class 37.

Societe Anonyme des Explosifs de Clermont Muller & Cie., Liege, Belgium, to Poudreries Reunies de Belgique, Societe Anonyme, Brussels, Belgium. Gunpowder for sporting and military purposes. 64,533, re-renewed Aug. 13, 1947. O. G. Jan. 27. Class 9.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres, near Paris, France. Perfumes. 436,177, Jan. 27; Serial No. 511,356, published Oct. 28, 1947. Class 6.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Shock absorber oil. 436,248, Jan. 27; Serial No. 520,061, published Nov. 4, 1947. Class 8.

Solomon, Harry F., Macon, Ga. Portable refrigerator. 436,304, Jan. 27. Class 31.

Southwestern Milling Company, Inc., The, New York, N. Y., and Kansas City, Mo., by Standard Milling Company, Chicago, Ill. Wheat flour. 159,531, Sept. 26, 1922. Republished Jan. 27. Class 46.

Standard Brands Incorporated, New York, N. Y. Coffee. 436,261, Jan. 27; Serial No. 521,217, published Oct. 28, 1947. Class 46.

Standard Corset Company, The, New York, N. Y., to The Standard Corset Company, Holyoke, Mass. Elastic webbing piece goods. 232,988, renewed Sept. 20, 1947. O. G. Jan. 27. Class 42.

Standard Milling Company: See—
Northwestern Consolidated Milling Company, The.

Southwestern Milling Company, Inc., The, and Chicago, Ill. Butylene polymers. 436,150, Jan. 27; Serial No. 503,399, published Nov. 4, 1947. Class 1.

Summit Thread Company, East Hampton, Conn., and Boston, Mass., to Belding Heminway Company, New York, N. Y. Sewing-machine threads. 239,714, renewed Mar. 13, 1948. O. G. Jan. 27. Class 43.

Sun Chemical Corporation, New York, N. Y. Treated petroleum microcrystalline wax. 436,208, Jan. 27; Serial No. 515,135, published Oct. 28, 1947. Class 6.

Swift & Company: See—
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Washing powder. 232,002, renewed Aug. 30, 1947. O. G. Jan. 27. Class 4.

Swift and Company, to Swift & Company, Chicago, Ill. Glue. 232,312-7, renewed Sept. 6, 1947. O. G. Jan. 27. Class 5.

Swift and Company, to Swift & Company, Chicago, Ill. Glue. 232,423-4, renewed Sept. 6, 1947. O. G. Jan. 27. Class 5.

Swift and Company, to Swift & Company, Chicago, Ill. Bacon and meat luncheon loaf. 232,430, renewed Sept. 6, 1947. O. G. Jan. 27. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Soap. 232,915, renewed Sept. 20, 1947. O. G. Jan. 27. Class 4.

Taylor, Lewis S., Jr., doing business as Pk-O-Pantry Foods, Chicago, Ill. Canned boned chicken, chicken ala king, chicken and vegetable dinner, etc. 436,186, Jan. 27; Serial No. 512,644, published Oct. 28, 1947. Class 46.

Thorpe, Jay, Inc., New York, N. Y. Perfumery. 237,835, renewed Jan. 17, 1948. O. G. Jan. 27. Class 6.

Timerson Canning Co., Inc., Martville, N. Y. Canned dog and cat food. 436,250, Jan. 27; Serial No. 520,241, published Oct. 28, 1947. Class 46.

Tower, A. J., Company, by A. J. Tower Company, (1926) Boston, Mass. Waterproof coats. 154,716, Apr. 18, 1922. Republished Jan. 27. Class 39.

Tower, A. J., Company, (1926): See—
Tower, A. J., Company.

Truscon Steel Company: See—
General Fireproofing Co., The.

Turner Halsey Export Corporation, New York, N. Y. Cotton piece goods. 436,166, Jan. 27; Serial No. 510,626, published Oct. 14, 1947. Class 42.

Turner Halsey Export Corporation, New York, N. Y. Cotton piece goods. 436,168, Jan. 27; Serial No. 510,816, published Oct. 14, 1947. Class 42.

Tykor Products Inc., New York, N. Y. Concentrated chlorine bearing powder. 436,153, Jan. 27; Serial No. 507,087, published Oct. 28, 1927. Class 6.

Ullman Company Inc., The: See—
Ullman Manufacturing Company, The.

Ullman Manufacturing Company, The, Long Island City, N. Y., to The Ullman Company Inc., Brooklyn, N. Y. Embroidery sets, etc. 224,051, renewed Feb. 15, 1947. O. G. Jan. 27. Class 40.

Union Diesel Engine, The: See—
Union Gas Engine Company.

Union Gas Engine Company, San Francisco, by The Union Diesel Engine Company, Oakland, Calif. Gas or gasoline engines. 98,221, July 7, 1914. Republished Jan. 27. Class 23.

Uncle Sam Truss Company, The: See—
Hackney, George W., trustee.

U. S. Alfalfa Products Corp., Verdon and Lexington, Nebr. Livestock and poultry feeds. 436,256, Jan. 27; Serial No. 521,047, published Oct. 28, 1947. Class 46.

United States Electrical Manufacturing Company, to U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motors. 230,871, renewed Aug. 9, 1947. O. G. Jan. 27. Class 21.

U. S. Electrical Motors, Inc.: See—
United States Electrical Manufacturing Company.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Scrubbing compound. 177,560, Dec. 18, 1923. Republished Jan. 27. Class 4.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap. 178,620, Jan. 15, 1924. Republished Jan. 27. Class 4.

Upjohn Company, The, Kalamazoo, Mich. Cough sirup. 238,254, renewed Jan. 31, 1948. O. G. Jan. 27. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Antacid tablets. 238,640, renewed Feb. 14, 1948. O. G. Jan. 27. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Estrogenic and sedative preparation. 436,173, Jan. 27; Serial No. 511,121, published Nov. 4, 1947. Class 6.

Van Camp Packing Company, Inc., The, Indianapolis, Ind., by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 175,201, Oct. 30, 1923. Republished Jan. 27. Class 4.

Velvet Pharmaceutical Products Co., Inc., New York, N. Y. Ointment. 436,179, Jan. 27; Serial No. 511,521, published Oct. 21, 1947. Class 6.

Victorius, A. V., & Company, New York, N. Y., to General Shoe Corporation, Nashville, Tenn. Hosiery. 231,831, renewed Aug. 30, 1947. O. G. Jan. 27. Class 39.

Vodine Company, Chicago, Ill. Dusting powder of medicinal characteristics. 436,288, Jan. 27; Serial No. 524,639, published Oct. 28, 1947. Class 6.

Ward, Samuel, Manufacturing Co., Boston, Mass. Writing papers and envelopes, typewriter paper, tablets, etc. 231,840, renewed Aug. 30, 1947. O. G. Jan. 27. Class 37.

Warner, William R., & Co., Inc.: See—
Chemische Fabrik auf Actien (vorm. E. Schering).

Waynesboro Knitting Company, Waynesboro, Pa., and New York, N. Y., to Waynesboro Knitting Company, Waynesboro, Pa. Knitted, netted, and textile underwear. 234,689, renewed Nov. 1, 1947. O. G. Jan. 27. Class 39.

Wellington Sears Company, New York, N. Y. Yarns made all or in part of cotton, wool, synthetic fibres, and mixtures of the same. 436,303, Jan. 27. Class 43.

Wicke, Dr., Medicine Company: See—
Wicke, Otto.

Wicke, Otto, Brooklyn, N. Y., to Dr. Wicke Medicine Company, East Rutherford, N. J. Remedy for dyspepsia, chronic catarrh of the stomach, etc. 66,541, re-renewed Dec. 10, 1947. O. G. Jan. 27. Class 6.

Winterbottom Book Cloth Company Limited, The, Manchester, England. Tracing-cloth. 63,767-8, re-renewed July 9, 1947. O. G. Jan. 27. Class 37.

Winterbottom Book Cloth Company Limited, The, Manchester, England. Tracing-cloth. 63,769-90, re-renewed July 9, 1947. O. G. Jan. 27. Class 37.

Winterbottom Book Cloth Company Limited, The, Manchester, England. Bookbinders' cloth. 63,791, re-renewed July 9, 1947. O. G. Jan. 27. Class 42.

Winterbottom Book Cloth Company Limited, The, Manchester, England. Tracing-cloth. 63,901, re-renewed July 16, 1947. O. G. Jan. 27. Class 37.

Winthrop Chemical Company, Inc., assignor to Winthrop Stearns Inc., New York, N. Y. Cardio-tonic drug. 436,211, Jan. 27; Serial No. 515,524, published Sept. 9, 1947. Class 6.

Winthrop-Stearns Inc., assignee: See—
Winthrop Chemical Company, Inc.

Withers & Wellford Oil Co., Inc., Memphis, Tenn. Sweeping compound. 436,172, Jan. 27; Serial No. 510,990, published Oct. 2, 1947. Class 4.

Wood, G. H., & Company, Limited, Toronto, Ontario, Canada. Liquid preparation. 436,218, Jan. 27; Serial No. 515,973, published Nov. 4, 1947. Class 6.

Woodville Lime Products Company, The, Toledo, Ohio. Lime. 233,048, renewed Sept. 20, 1947. O. G. Jan. 27. Class 12.

World's Mushroom Center Specialty Canning Co., assignor to Mushroom Products, Inc., Kennett Square, Pa. Canned mushrooms and canned mushroom soup. 436,297, Jan. 27. Class 46.

Worldwide Trading Company: See—
Schalk, Otto.

Worthington Pump and Machinery Corporation, Harrison, N. J. Pumping machinery, pumps, apparatus for raising and forcing liquids, etc. 155,130, May 16, 1922. Republished Jan. 27. Class 23.

Worthington Pump and Machinery Corporation, Harrison, N. J. Liquid meters; piston meters; disk meters; etc. 156,788-9, July 11, 1922. Republished Jan. 27. Class 26.

Worthington Pump and Machinery Corporation, Harrison, N. J. Pumping machinery, pumps, etc. 161,859, Nov. 21, 1922. Republished Jan. 27. Class 23.

Wrigley, Wm. Jr., Company, Chicago, Ill. Chewing gum. 436,230, Jan. 27; Serial No. 517,650, published Oct. 28, 1947. Class 46.

Write Incorporated, Bridgeport, Conn. Typewriter ribbons, inked ribbons generally, and carbon paper. 436,133, Jan. 27; Serial No. 495,850, published Oct. 21, 1947. Class 11.

Wye, George E., Company, to Henry Grieve, doing business under the firm name of George E. Wye Company, Needham, Mass. Sweaters. 63,393, re-renewed June 18, 1947. O. G. Jan. 27. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Butylene polymers. Standard Oil Company. 436,150, Jan. 27; Serial No. 503,399, published Nov. 4, 1947.

Coal. Campbell Coal Company. 232,456, renewed Sept. 6, 1947. O. G. Jan. 27.

Coal. Campbell Coal Company. 233,028, renewed Sept. 20, 1947. O. G. Jan. 27.

Coal. Pocahontas Fuel Company Incorporated. 232,348, renewed Sept. 6, 1947. O. G. Jan. 27.

Coal. Premier Jellico Coal Corporation. 436,223, Jan. 27; Serial No. 517,261, published Nov. 4, 1947.

Compounds and dispersions, Plastic. Selectronic Dispersions, Inc. 436,148, Jan. 27; Serial No. 503,174, published Oct. 28, 1947.

Frits, Acid resistant porcelain enamel. Pemco Corporation. 436,149, Jan. 27; Serial No. 503,261, published Nov. 4, 1947.

Grit, Poultry. Georgia Marble Company. 436,138, Jan. 27; Serial No. 498,060, published Nov. 4, 1947.

Leather. American Oak Leather Company. 49,798, Feb. 20, 1906. Republished Jan. 27.

Leather. B. D. Eisendrath Tanning Co. 436,199, Jan. 27; Serial No. 514,189, published Nov. 4, 1947.

Resin in solid and liquid form, Synthetic. Boston Varnish Company. 436,225-6, Jan. 27; Serial Nos. 517,348-9, published Nov. 4, 1947.

Rubber. Rubber Cultuur Maatschappij "Amsterdam" N. V. 229,237, renewed June 21, 1947. O. G. Jan. 27.

Seed corn, Hybrid. May Seed & Nursery Co. 436,182, Jan. 27; Serial No. 512,010, published Nov. 4, 1947.

CLASS 2

Tanks, cisterns and troughs, Metal. H. D. Hudson Manufacturing Company. 436,301, Jan. 27.

CLASS 4

Belt preserver and dressing and liquid belt preserver. J. E. Rhoads & Sons. 237,811, renewed Jan. 17, 1948. O. G. Jan. 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Soap. Globe Soap Company, The. 155,428, May 30, 1922. Republished Jan. 27.
 Soap. G. H. Hammond Company. 232,833, renewed Sept. 20, 1947. O. G. Jan. 27.
 Soap. Fallside Manufacturing Company, The. 173,886, Oct. 2, 1923. Republished Jan. 27.
 Soap. Procter & Gamble Company. 155,801, June 6, 1922. Republished Jan. 27.
 Soap. Swift and Company. 232,915, renewed Sept. 20, 1947. O. G. Jan. 27.
 Soap. U. S. Sanitary Specialties Corporation. 178,620, Jan. 15, 1924. Republished Jan. 27.
 Soap. Van Camp Packing Company, Inc., The. 175,201, Oct. 30, 1923. Republished Jan. 27.
 Soap. Linseed oil. Hockaday, Inc. 436,212, Jan. 27; Serial No. 515,559, published Nov. 4, 1947.
 Soap. Skin. Dermetics, Inc. 436,286, Jan. 27; Serial No. 524,593, published Oct. 28, 1947.
 Soap. Toilet. La Societe des Savons Francais. 236,168, renewed Dec. 6, 1947. O. G. Jan. 27.
 Soap. Toilet soap, abrasive window cleaner, etc., Laundry. Consolidated Cosmetics. 436,188, Jan. 27; Serial No. 513,029, published Oct. 21, 1947.
 Sweeping compound. Withers & Wellford Oil Co., Inc. 436,172, Jan. 27; Serial No. 510,990, published Oct. 21, 1947.
 Washing compound. E. F. Patterson. 436,216, Jan. 27; Serial No. 516,147, published Oct. 28, 1947.
 Washing powder. Swift and Company. 232,002, renewed Aug. 30, 1947. O. G. Jan. 27.

CLASS 5

Glue. Swift and Company. 232,312-17, renewed Sept. 6, 1947. O. G. Jan. 27.
 Glue. Swift and Company. 232,423-4, renewed Sept. 6, 1947. O. G. Jan. 27.

CLASS 6

Acid (crude) to be used in feed supplements (veterinary). Folic. American Cyanamid Company. 436,231, Jan. 27; Serial No. 518,122.
 Ammonia. Condensed Bluing Co. 155,947, June 13, 1922. Republished Jan. 27.
 Anti-pyretics, anti-rheumatics, uric acid solvents, etc. Chemische Fabrik auf Actien (vorm. E. Schering). 65,291, re-renewed Sept. 17, 1947. O. G. Jan. 27.
 Antiseptics, deodorants and disinfectants. Chemische Fabrik auf Actien (vorm. E. Schering). 65,626, renewed Oct. 15, 1947. O. G. Jan. 27.
 Blood clotting preparation and preparation for use in antibacterial therapy. Sharp & Dohme, Incorporated. 436,201, Jan. 27; Serial No. 514,501, published Aug. 26, 1947.
 Blue. Laundry. Reckitt & Sons, Limited. 236,373, renewed Dec. 13, 1947. O. G. Jan. 27.
 Bluing. Condensed Bluing Company. 156,216, June 20, 1922. Republished Jan. 27.
 Bluing agent. Geigy Company, Inc. 436,189, Jan. 27; Serial No. 513,046, published Oct. 28, 1947.
 Capsules, Round worm and hookworm. National Canine Products, Inc. 436,292, Jan. 27; Serial No. 525,232, published Nov. 4, 1947.
 Cardio-tonic drug. Winthrop Chemical Company, Inc. 436,211, Jan. 27; Serial No. 515,524, published Sept. 9, 1947.
 Chemical cleansing and burnishing compound. Rumford Chemical Works. 234,234, renewed Oct. 18, 1947. O. G. Jan. 27.
 Chemical for cleansing drains, sinks washbowls, etc. Drackett Chemical Company. 231,921, renewed Aug. 30, 1947. O. G. Jan. 27.
 Chemical toxicants. Monsanto Chemical Company. 436,271, Jan. 27; Serial No. 523,529, published Nov. 4, 1947.
 Chemicals for industrial and other uses. Carbide and Carbon Chemicals Corporation. 436,293, Jan. 27; Serial No. 525,537, published Nov. 4, 1947.
 Chloride of lime, concentrated lye, powdered borax, and ammonia. Sinclair Manufacturing Company. 95,359, Feb. 10, 1914. Republished Jan. 27.
 Chlorine bearing powder, Concentrated. Tykor Products Inc. 436,153, Jan. 27; Serial No. 507,087, published Oct. 28, 1947.
 Cholagogues and choloretics. Ames Company, Inc. 436,237-8, Jan. 27; Serial No. 518,639-40, published Oct. 28, 1947.
 Cologne. B. Pickard. 436,295, Jan. 27; Serial No. 525,674, published Oct. 28, 1947.
 Cough sirup. Upjohn Company. 238,254, renewed Jan. 31, 1948. O. G. Jan. 27.
 Creams and lotions, Cleansing, emollient, and foundation cosmetic. E. M. Hammond. 436,294, Jan. 27; Serial No. 525,591, published Nov. 4, 1947.
 Disinfectant and bactericidal material. Chemical Corporation. 436,233, Jan. 27; Serial No. 518,518, published Nov. 4, 1947.
 Dyestuff. Geigy Company, Inc. 436,151, Jan. 27; Serial No. 504,106, published Nov. 4, 1947.
 Dyestuff, Neutral dyeing acid. Bick & Co., Inc. 436,242-8, Jan. 27; Serial Nos. 519,723-7, published Nov. 4, 1947.

Dyestuffs. Geigy Company, Inc. 436,142, Jan. 27; Serial No. 501,657, published Nov. 4, 1947.
 Dyes, Textile and like. Eureka Laboratories. 436,161, Jan. 27; Serial No. 509,144, published Nov. 4, 1947.
 Eau de cologne water, perfumery, hair tonics, and other named toilet items. P. P. Mülhens. 231,347, renewed Aug. 16, 1947. O. G. Jan. 27.
 Estrogenic and sedative preparation. Upjohn Company. 436,173, Jan. 27; Serial No. 511,121, published Nov. 4, 1947.
 Extracts, Tanning. Champion Fibre Company, The. 111,006, June 20, 1916. Republished Jan. 27.
 Face creams and face lotions. Elmo Sales Corporation. 436,190, Jan. 27; Serial No. 513,240, published Oct. 21, 1947.
 Face powder, hair oils and tonics, brilliantine, etc. B. M. Picchetti. 436,281, Jan. 27; Serial No. 524,206, published Oct. 28, 1947.
 Fluid, Lighter. Plough, Inc. 436,205, Jan. 27; Serial No. 514,774, published Nov. 4, 1947.
 Germicidal and anti-bacterial solution. R. C. Harry. 436,209, Jan. 27; Serial No. 515,308, published Nov. 4, 1947.
 Glycerine antifreeze solution for automobile radiators. Association of American Soap & Glycerine Producers, Inc. 235,725, renewed Nov. 22, 1947. O. G. Jan. 27.
 Hair dressing. W. F. Ford. 436,296, Jan. 27; Serial No. 525,817, published Nov. 4, 1947.
 Hair dressing. E. Lee. 436,289, Jan. 27; Serial No. 524,786, published Nov. 4, 1947.
 Hair dressing and shampoo. E. L. Henderson. 436,170, Jan. 27; Serial No. 510,592, published Nov. 4, 1947.
 Heating efficiency preparations. Metropolitan Refining Co., Inc. 436,247, Jan. 27; Serial No. 519,968, published Oct. 28, 1947.
 Insecticide. Beautykote Corporation. 436,154, Jan. 27; Serial No. 507,094, published Oct. 28, 1947.
 Intramuscular injection. C. F. Kirk Company. 436,176, Jan. 27; Serial No. 511,169, published Oct. 28, 1947.
 Laxative. American Dietetics Company, Inc. 436,269, Jan. 27; Serial No. 522,969, published Oct. 28, 1947.
 Lipstick, lip pencil, rouge, etc. Golden Arrow Toiletries. 436,144, Jan. 27; Serial No. 502,436, published Oct. 28, 1947.
 Liquid preparation. G. H. Wood & Company Limited. 436,213, Jan. 27; Serial No. 515,973, published Nov. 4, 1947.
 Lotion, Skin. L. O'Bannon. 436,222, Jan. 27; Serial No. 517,260, published Nov. 4, 1947.
 Medicated ointment. Johnston, Holloway & Co., Inc. 436,178, Jan. 27; Serial No. 511,394, published Nov. 4, 1947.
 Medicinal product for treatment of scrofula, lymphomatosis, etc. Societa Anonima Prodotti Farmaceutici Specializzati Dott. M. Calosi & Figlio. 225,604, renewed Mar. 22, 1947. O. G. Jan. 27.
 Medicine, Stock. C. G. Cooley. 240,352, renewed Mar. 27, 1948. O. G. Jan. 27.
 Microcrystalline wax, Treated petroleum. Sun Chemical Corporation. 436,208, Jan. 27; Serial No. 515,135, published Oct. 28, 1947.
 Nail lacquers. Dermetics, Inc. 436,194, Jan. 27; Serial No. 513,725, published Oct. 28, 1947.
 Oil, Shock absorber. Socony-Vacuum Oil Company, Incorporated. 436,248, Jan. 27; Serial No. 520,061, published Nov. 4, 1947.
 Ointment. M. W. Sargeant. 95,788, Mar. 10, 1914. Republished Jan. 27.
 Ointment. Velvet Pharmaceutical Products Co., Inc. 436,179, Jan. 27; Serial No. 511,521, published Oct. 21, 1947.
 Perfume and toilet water. N. S. Frankel. 436,207, Jan. 27; Serial No. 515,093, published Oct. 28, 1947.
 Perfumery. Jay Thorpe, Inc. 237,835, renewed Jan. 17, 1948. O. G. Jan. 27.
 Perfumes. Société d'Etudes d'Expansion de la Parfumerie de Luxe. 436,177, Jan. 27; Serial No. 511,356, published Oct. 28, 1947.
 Perfumes, toilet waters, astringent lotions, etc. G. A. Belling and Company. 436,181, Jan. 27; Serial No. 511,926, published Oct. 28, 1947.
 Perfumes, toilet waters, face lotions, etc. M. Roussel. 148,735, renewed Nov. 22, 1941. O. G. Jan. 27.
 Perfumes, toilet waters, rouge, etc. E. Rosens. 436,265, Jan. 27; Serial No. 522,044, published Nov. 4, 1947.
 Pharmaceutical preparation, Liquid. Yun Sann Loo. 436,157, Jan. 27; Serial No. 507,325, published Oct. 21, 1947.
 Pills; laxative powders; cold tablets; etc., Diuretic. Plough, Inc. 436,204, Jan. 27; Serial No. 514,773, published Oct. 28, 1947.
 Powder, Foot. John Hudson Moore, Inc. 436,282, Jan. 27; Serial No. 524,331, published Nov. 4, 1947.
 Powder foundation to be patted on the skin, Cream. Elizabeth Arden Sales Corporation. 436,253, Jan. 27; Serial No. 520,330, published Nov. 4, 1947.
 Powder, of medicinal characteristics, Dusting. Vodine Company. 436,288, Jan. 27; Serial No. 524,639, published Oct. 28, 1947.
 Preparation for falling hair and itching scalp. R. E. Flood. 436,183, Jan. 27; Serial No. 512,114, published Oct. 21, 1947.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Preparation for the relief of colds, croup, asthma, etc. G. F. Smith. 234,391, renewed Oct. 25, 1947. O. G. Jan. 27.
 Preparation for the relief of piles. Helm Chemical Company. 236,543, renewed Dec. 13, 1947. O. G. Jan. 27.
 Preparation used in treating fabrics. Ciba Limited. 436,156, Jan. 27; Serial No. 507,238, published Nov. 4, 1947.
 Preparations for use in permanent hair waving. M. E. Cash. 436,270, Jan. 27; Serial No. 523,513, published Oct. 28, 1947.
 Remedy for dyspepsia, chronic catarrh of the stomach, etc. O. Wicke. 66,541, re-renewed Dec. 10, 1947. O. G. Jan. 27.
 Salve, Antiseptic surgical powder. N. E. Brewer. 436,263, Jan. 27; Serial No. 521,630, published Nov. 4, 1947.
 Solution for mercerizing textiles and other material. Dexter Chemical Corporation. 436,141, Jan. 27; Serial No. 500,866, published Oct. 28, 1947.
 Solution of estrogenic hormones, Vegetable oil. C. F. Kirk Company. 436,175, Jan. 27; Serial No. 511,165, published Oct. 28, 1947.
 Starch. Laundry. Corn Products Refining Company. 235,002, renewed Nov. 8, 1947. O. G. Jan. 27.
 Starch, Laundry. Lauderette Soap Corporation. 436,272, Jan. 27; Serial No. 523,592, published Oct. 28, 1947.
 Sulfonamide preparation. Smith, Kline & French Laboratories. 436,196, Jan. 27; Serial No. 513,778, published Oct. 28, 1947.
 Suppositories, tablets, and pills. Dr. Pierre Chemical Company. 65,959, re-renewed Nov. 5, 1947. O. G. Jan. 27.
 Tablets, Antacid. Upjohn Company. 238,640, renewed Feb. 14, 1948. O. G. Jan. 27.
 Toilet preparations. Botany Worsted Mills. 436,184, Jan. 27; Serial No. 512,319, published Oct. 28, 1947.
 Toilet waters, lotions for the skin, perfume essence, etc. A. R. Garcia. 436,252, Jan. 27; Serial No. 520,275, published Nov. 4, 1947.
 Toiletries for use by men. Dermetics, Inc. 436,287, Jan. 27; Serial No. 524,598, published Nov. 4, 1947.
 Tonic, System. Fahrney, Dr. Peter & Sons Co. 157,329-30, Aug. 1, 1922. Republished Jan. 27.
 Tonic to improve appetite. Dr. Peter Fahrney & Sons Co. 157,331-32, Aug. 1, 1922. Republished Jan. 27.
 Tonic to improve the appetite, to promote digestion, to regulate the action of the bowels, etc. Dr. Peter Fahrney & Sons Co. 158,434, Sept. 5, 1922. Republished Jan. 27.
 Tonic to improve the appetite, to promote digestion, to regulate the action of the bowels, etc., System. Dr. Peter Fahrney & Sons Co. 157,333, Aug. 1, 1922. Republished Jan. 27.
 Vitaminic mineral food supplement preparations. Mineralized Foods, Inc. 436,171, Jan. 27; Serial No. 510,967, published Nov. 4, 1947.
 Wax water repellent or an aqueous type of wax emulsion. Semi-durable. American Cyanamid Company. 436,268, Jan. 27; Serial No. 522,923, published Nov. 4, 1947.

CLASS 7

Cordage. Grady-Travers Co. Incorporated. 236,245, renewed Dec. 6, 1947. O. G. Jan. 27.
 Rope, sash cord, seine twines, etc., Cotton. Wm. E. Hooper & Sons Co. 236,106, renewed Dec. 6, 1947. O. G. Jan. 27.

CLASS 9

Barrel choking devices for firearms. Poly Choke Company, Incorporated. 436,169, Jan. 27; Serial No. 510,891, published Oct. 28, 1947.
 Gunpowder for sporting and military purposes. Société Anonyme des Explosifs de Clermont Muller & Cie. 64,533, re-renewed Aug. 13, 1947. O. G. Jan. 27.

CLASS 10

Fertilizer, Commercial. Baugh and Sons Company. 436,264, Jan. 27; Serial No. 521,785, published Oct. 28, 1947.
 Fertilizer and fertilizer materials. Naco Fertilizer Company. 436,241, Jan. 27; Serial No. 519,408, published Oct. 21, 1947.
 Fertilizers. California Spray-Chemical Corporation. 436,240, Jan. 27; Serial No. 519,117, published Oct. 28, 1947.
 Soil conditioning and chemical ingredients, Combinations of. C. R. Rex. 436,145, Jan. 27; Serial No. 502,459, published Oct. 28, 1947.

CLASS 11

Carbon paper. McGregor & Werner, Incorporated. 436,206, Jan. 27; Serial No. 515,035, published Oct. 28, 1947.
 Typewriter ribbons, inked ribbons generally, and carbon paper. Write Incorporated. 436,133, Jan. 27; Serial No. 495,850, published Oct. 21, 1947.

CLASS 12

Asphalt shingles and mineral-surfaced asphalt roofing, Mineral-surfaced. Flintkote Company. 233,861, renewed Oct. 11, 1947. O. G. Jan. 27.

Lime. Woodville Lime Products Company. 233,048, renewed Sept. 20, 1947. O. G. Jan. 27.
 Metal structures, Expanded. General Fireproofing Co. 64,703, re-renewed Aug. 20, 1947. O. G. Jan. 27.
 Roofing felt and roofing paper, prepared roofing, shingles, strip shingles, and other named construction materials. Flintkote Company. 233,906, renewed Oct. 11, 1947. O. G. Jan. 27.

CLASS 13

Nails. Keystone Steel & Wire Company. 233,175, renewed Sept. 27, 1947. O. G. Jan. 27.

CLASS 14

Alloy, Iron carbon. Rockford Malleable Iron Works. 234,066, renewed Oct. 18, 1947. O. G. Jan. 27.
 Bars and sheets of magnet steel, Rolled. Crucible Steel Company of America. 436,174, Jan. 27; Serial No. 511,140, published Oct. 28, 1947.
 Bars, rods, billets, etc., Steel. Crucible Steel Company of America. 237,489, renewed Jan. 10, 1948. O. G. Jan. 27.
 Castings, Steel. Chicago Steel Foundry Company. 436,185, Jan. 27; Serial No. 512,322, published Oct. 28, 1947.
 Chemical combination. Chicago Solder Company. 238,398, renewed Feb. 7, 1948. O. G. Jan. 27.
 Flux composed of finely-divided tin and finely-divided lead mixed with chemicals. Chicago Solder Company. 238,399, renewed Feb. 7, 1948. O. G. Jan. 27.
 Forgings. Atlantic Steel Company. 436,224, Jan. 27; Serial No. 517,285, published Oct. 28, 1947.
 Ingots, pigs, rods, and forgings and castings of nonferrous metal. Mueller Brass Co. 238,661, renewed Feb. 14, 1948. O. G. Jan. 27.
 Iron, Nickel-containing cast. International Nickel Company, Inc. 436,191-2, Jan. 27; Serial Nos. 513,312-13, published Oct. 28, 1947.
 Wire, Welding. International Nickel Company, Inc. 436,234-6, Jan. 27; Serial Nos. 518,602-4, published Oct. 28, 1947.

CLASS 16

Polish for cleaning and polishing woodwork, floors, linoleum, etc., Liquid. G. A. Rumpf. 228,365, renewed May 31, 1947. O. G. Jan. 27.

CLASS 17

Cigars. P. Mohr. 66,221, re-renewed Nov. 19, 1947. O. G. Jan. 27.

CLASS 19

Casters, Truck. Bond Foundry and Machine Company. 235,034, renewed Nov. 8, 1947. O. G. Jan. 27.
 Dollies or tiny trucks. Ruger Equipment Company. 436,300, Jan. 27.
 Mechanism for manual operation of railway car brakes. Ajax Hand Brake Company. 232,365, renewed Sept. 6, 1947. O. G. Jan. 27.
 Springs, back rest, axles, etc., Seat. "HH" Manufacturers, Inc. 222,048, renewed Dec. 21, 1946. O. G. Jan. 27.
 Trailers, Commercial heavy duty. M. E. Foster. 436,298, Jan. 27.
 Trucks and automobiles, Motor. Diamond T Motor Car Company. 436,197-8, Jan. 27; Serial Nos. 513,807-8, published Sept. 2, 1947.

CLASS 21

Batteries, radio receiving sets, and parts therefor. Kaufmann Department Stores, Inc. 231,001, renewed Aug. 9, 1947. O. G. Jan. 27.
 Motors, Electric. United States Electrical Manufacturing Company. 230,871, renewed Aug. 9, 1947. O. G. Jan. 27.
 Radio receiving sets and on radio parts and accessories. Montgomery Ward & Co., Incorporated. 234,723, renewed Nov. 1, 1947. O. G. Jan. 27.
 Valves, Magnet or solenoid operated. Automatic Switch Company. 236,629, renewed Dec. 20, 1947. O. G. Jan. 27.

CLASS 22

Playing cards. Brown & Bigelow. 239,599, renewed Mar. 6, 1948. O. G. Jan. 27.

CLASS 23

Axes. J. H. Mann. 29,573, Feb. 9, 1897. Republished Jan. 27.
 Carbureters. Carter Carburetor Corporation. 238,438, renewed Feb. 7, 1948. O. G. Jan. 27.
 Couplings, Shaft. Charles Bond Company. 238,151, renewed Jan. 31, 1948. O. G. Jan. 27.
 Engines, Gas or gasoline. Union Gas Engine Company. 98,221, July 7, 1914. Republished Jan. 27.
 Jacks, Hydraulic. W. M. Dudgeon. 65,063, re-renewed Sept. 3, 1947. O. G. Jan. 27.
 Jacks, Hydraulic. W. M. Dudgeon. 65,066, re-renewed Sept. 3, 1947. O. G. Jan. 27.
 Jacks, presses, pumps, etc., Hydraulic. Richard Dudgeon, Inc. 238,140, renewed Jan. 31, 1948. O. G. Jan. 27.

Machinery and parts thereof, Textile. Kitson Machine Shop. 234,740, renewed Nov. 1, 1947. O. G. Jan. 27.
Milling machines, planing machines, drilling and boring machines, etc. Newton Machine Tool Works, Incorporated. 62,316, Apr. 30, 1907. Republished Jan. 27.
Pumping machinery, pumps, apparatus for raising and forcing liquids, etc. Worthington Pump and Machinery Corporation. 155,130, May 16, 1922. Republished Jan. 27.
Pumping machinery, pumps, apparatus for raising and forcing liquids, etc. Worthington Pump and Machinery Corporation. 161,859, Nov. 21, 1922. Republished Jan. 27.
Road scrapers, road rollers, rock crusher, etc. American Road Machinery Company. 233,561, renewed Oct. 4, 1947. O. G. Jan. 27.
Tools, Agricultural. Otsego Fork Mills Co. Ltd. 30,526, Aug. 24, 1897. Republished Jan. 27.
Woodworking machines. American Saw Mill Machinery Company. 231,213, renewed Aug. 16, 1947. O. G. Jan. 27.

CLASS 24

Washing machines, Laundry. Altorfer Bros. Company. 235,362, renewed Nov. 15, 1947. O. G. Jan. 27.
Washing machines, Laundry. Altorfer Bros. Company. 244,349, renewed July 19, 1948. O. G. Jan. 27.

CLASS 26

Gages. Greenfield Tap and Die Corporation. 147,318, Oct. 11, 1921. Republished Jan. 27.
Meters, piston meters, disk meters, etc. Liquid. Worthington Pump and Machinery Corporation. 156,788-9, July 11, 1922. Republished Jan. 27, 1948.
Scales. Jacobs Bros. Co., Inc. 235,045, renewed Nov. 8, 1947. O. G. Jan. 27.

CLASS 27

Watch parts. P. Mereminsky. 436,131, Jan. 27; Serial No. 490,542, published Nov. 4, 1947.
Watches, clocks, and their cases and movements. I. Ollendorf Co., Inc. 235,938, renewed Nov. 29, 1947. O. G. Jan. 27.
Watches, watchcases, and watch movements. Adams Watch, Inc. 237,098, renewed Jan. 3, 1948. O. G. Jan. 27.
Watches, watch cases and watch movements. Gruen Watch Company. 436,220, Jan. 27; Serial No. 516,977, published Apr. 15, 1947.
Watches, watch cases and watch movements. Gruen Watch Company. 436,228, Jan. 27; Serial No. 517,414, published Nov. 4, 1947.
Watches, watch cases and watch movements. Gruen Watch Company. 436,267, Jan. 27; Serial No. 522,822, published Nov. 4, 1947.

CLASS 28

Chains, and other named jewelry. Associated Attleboro Manufacturers, Inc. 235,268, renewed Nov. 15, 1947. O. G. Jan. 27.
Tableware, Silverplated flat. Onelda Ltd. 436,274-7, Jan. 27; Serial Nos. 523,993-6, published Oct. 28, 1947.
Tableware, Silverplated flat. Onelda Ltd. 436,278-80, Jan. 27; Serial Nos. 523,999-524,001, published Oct. 28, 1947.

CLASS 29

Brushes. Sanitax Brush Company. 156,412, June 20, 1922. Republished Jan. 27, 1948.

CLASS 30

Pottery and porcelain. Pickard Studios, Incorporated. 233,564, renewed Oct. 4, 1947. O. G. Jan. 27.

CLASS 31

Refrigerator, Portable. H. F. Solomon. 436,304, Jan. 27.

CLASS 33

Articles, Cut glass. Libbey Glass Company. 34,172, June 19, 1906. Republished Jan. 27.

CLASS 34

Heaters, oil heaters, air heaters, etc., Water. Andale Engineering Company. 220,538, renewed Nov. 9, 1946. O. G. Jan. 27.
Incinerators, salamanders, Pots, smudge and rubbish burners. D. J. Martin. 436,302, Jan. 27.

CLASS 35

Belting, Leather. Charles Bond Company. 240,501, renewed Mar. 27, 1948. O. G. Jan. 27.

CLASS 37

Crayons, crayon holders, pencils, penholders, etc. Societe Anonyme "Crayons Conte." 179,111, renewed Feb. 5, 1944. O. G. Jan. 27.
Crayons, crayon holders, pencils, penholders, etc. Societe Anonyme "Crayons Conte." 183,022-3, renewed Apr. 22, 1947. O. G. Jan. 27.

Crayons, crayon holders, pencils, penholders, etc. Societe Anonyme "Crayons Conte." 185,437, renewed June 17, 1947. O. G. Jan. 27.
Paper transfer cases. Amberg File and Index Company. 59,370, Jan. 8, 1907. Republished Jan. 27.
Paper, Wrapping. Continental Paper & Bag Mills Corporation. 232,890, renewed Sept. 20, 1947. O. G. Jan. 27.
Paper, Wrapping. Crown-Columbia Pulp and Paper Co. 80,110, Nov. 8, 1910. Republished Jan. 27.
Papers and envelopes, typewriter paper, tablets, etc., Writing. Samuel Ward Manufacturing Co. 231,840, renewed Aug. 30, 1947. O. G. Jan. 27.
Tracing-cloth. Winterbottom Book Cloth Company. 63,767-8, re-renewed July 9, 1947. O. G. Jan. 27.
Tracing-cloth. Winterbottom Book Cloth Company Limited. 63,789-90, re-renewed July 9, 1947. O. G. Jan. 27.
Tracing-cloth. Winterbottom Book Cloth Company Limited. 63,901, re-renewed July 16, 1947. O. G. Jan. 27.

CLASS 38

Newspapers. Brooklyn Daily Eagle. 63,893, re-renewed July 16, 1947. O. G. Jan. 27.
Periodical. Brown & Bigelow. 237,852, renewed Jan. 17, 1948. O. G. Jan. 27.
Periodical, Weekly. Lawrence Publishing Company. 226,704, renewed Apr. 19, 1947. O. G. Jan. 27.

CLASS 39

Boots and shoes, Leather. Regal Shoe Company Inc. 48,351, Dec. 26, 1905. Republished Jan. 27.
Braces and suspenders, Shoulder. P. Bailly & Cie. 63,771, re-renewed July 9, 1947. O. G. Jan. 27.
Clothing, Men's fine outer. F. L. Dunne. 25,564, Dec. 4, 1894. Republished Jan. 27.
Coats and fur trimmed coats, and women's fur capes, etc., Men's and women's fur. I. Markowitz. 232,087, renewed Aug. 30, 1947, published Jan. 27.
Coats, Ladies'. Schneider & Miller, Inc. 235,880, renewed Nov. 29, 1947. O. G. Jan. 27.
Coats, Waterproof. A. J. Tower Company. 154,716, Apr. 18, 1922. Republished Jan. 27.
Hosiery. A. V. Victorius & Company. 231,831, renewed Aug. 30, 1947. O. G. Jan. 27.
Shirts, Flannel, dress, negligee, and work. Fox Knapp Manufacturing Co. 234,571, renewed Nov. 1, 1947. O. G. Jan. 27.
Shoes, youth', misses', boys' and children's, Leather. Gleescke-D'Oench-Hays Shoe Company. 64,222, re-renewed July 30, 1947. O. G. Jan. 27.
Stockings. Joseph Black & Sons Company. 88,729, Oct. 22, 1912. Republished Jan. 27.
Suspenders. Hewes & Potter. 230,967, renewed Aug. 9, 1947. O. G. Jan. 27.
Sweaters. George E. Wye Company. 63,393, re-renewed June 18, 1947. O. G. Jan. 27.
Underwear and night wear, Men's. Sexton Mfg. Co. 236,437, renewed Dec. 13, 1947. O. G. Jan. 27.
Underwear, Knitted, netted and textile. Waynesboro Knitting Company. 234,689, renewed Nov. 1, 1947. O. G. Jan. 27.

CLASS 40

Embroidery sets. Ullman Manufacturing Company. 224,051, renewed Feb. 15, 1947. O. G. Jan. 27.

CLASS 42

Cloth, Bookbinders'. Winterbottom Book Cloth Company Limited. 63,791, re-renewed July 9, 1947. O. G. Jan. 27.
Cloths and towels, Wash. Owenby Manufacturing Company. 436,229, Jan. 27; Serial No. 517,659, published Oct. 14, 1947.
Comforters, bedspreads, drapes, etc. Chas. A. Malsh Co. 436,135-36, Jan. 27; Serial Nos. 496,559-60, published Oct. 21, 1947.
Drapes, Curtain. Clopay Corporation. 436,163, Jan. 27; Serial No. 510,066, published Oct. 21, 1947.
Duck, Cotton. Mount Vernon-Woodberry Cotton Duck Company. 65,947, re-renewed Oct. 29, 1947. O. G. Jan. 27.
Duck, Cotton. Mount Vernon-Woodberry Cotton Duck Company. 66,026, re-renewed Nov. 5, 1947. O. G. Jan. 27.
Duck, Cotton. Mount Vernon-Woodberry Cotton Duck Company. 66,051, re-renewed Nov. 5, 1947. O. G. Jan. 27.
Duck, Cotton. Mount Vernon-Woodberry Cotton Duck Company. 66,471, re-renewed Dec. 3, 1947. O. G. Jan. 27.
Duck in the piece, Cotton. William L. Barrell Co. of New York, Inc. 230,307, renewed July 19, 1947. O. G. Jan. 27.
Fabrics in the piece, Textile. F. Ducharme Silk Co., Inc. 436,160, Jan. 27; Serial No. 509,077, published Oct. 14, 1947.
Fabrics in the piece, Textile. J. B. Martin Company. 436,165, Jan. 27; Serial No. 510,329, published Oct. 14, 1947.

Piece goods. Capitol Piece Dye Works, Inc. 436,140, Jan. 27; Serial No. 499,380, published May 27, 1947.
Piece goods, Cotton. Turner Halsey Export Corporation. 436,166, Jan. 27; Serial No. 510,626, published Oct. 14, 1947.
Piece goods, Cotton. Turner Halsey Export Corporation. 436,168, Jan. 27; Serial No. 510,816, published Oct. 14, 1947.
Piece goods, Elastic-Webbing. Standard Corset Company. 232,988, renewed Sept. 20, 1947. O. G. Jan. 27.
Piece goods of cotton, rayon, etc. Alrose Chemical Company. 436,147, Jan. 27; Serial No. 502,867, published Oct. 14, 1947.
Piece goods of cotton, worsted, etc. Kessler & Co. Limited. 436,290-1, Jan. 27; Serial No. 525,086-7, published Oct. 14, 1947.
Piece goods of rayon, cotton, wool, etc. Riverside & Dan River Cotton Mills, Inc. 436,129, Jan. 27; Serial No. 484,065, published Aug. 28, 1945.
Piece goods, Rayon. Cantor-Greenspan Co., Inc. 436,139, Jan. 27; Serial No. 498,496, published Oct. 14, 1947.
Piece goods, Rayon and cotton. Ponemah Mills. 436,221, Jan. 27; Serial No. 517,157, published Oct. 14, 1947.
Piece goods, Waterproof and water-repellent cotton. Metakloth Company. 436,134, Jan. 27; Serial No. 496,035, published Oct. 21, 1947.
Rugs, table cloths, table place mats, etc., Woven. O. L. Marriage. 436,159, Jan. 27; Serial No. 508,176, published Oct. 14, 1947.
Shade cloth. Chas. W. Breneman Co. 436,202, Jan. 27; Serial No. 514,643, published Oct. 14, 1947.
Sheeting. Vinyl-type plastic. McCordi Corporation. 436,214, Jan. 27; Serial No. 516,065, published Oct. 14, 1947.
Sheetings, shirtings, drillings and osanaburgs. Minot, Hooper & Co. 63,859, re-renewed July 9, 1947. O. G. Jan. 27.
Tablecloths. Marshall Field & Company. 436,239, Jan. 27; Serial No. 518,685, published Oct. 21, 1947.
Textile fabrics. Acadia Company. 436,146, Jan. 27; Serial No. 502,613, published Oct. 21, 1947.
Textile fabrics, Woven. Pedigree Fabrics, Inc. 436,218, Jan. 27; Serial No. 516,785, published Oct. 14, 1947.
Tickings, ready-made pillow ticks. Levinsohn Textile Co. 436,132, Jan. 27; Serial No. 490,592, published Oct. 21, 1947.

CLASS 43

Threads, Sewing-machine. Summit Thread Company. 239,714, renewed Mar. 13, 1948. O. G. Jan. 27.
Yarns made all or in part of cotton, wool, synthetic fibres and mixtures of the same. Wellington Sears Company. 436,303, Jan. 27.

CLASS 44

Gloves and pads to be used for applying medicaments. Canadian Radium and Uranium Corporation. 436,285, Jan. 27; Serial No. 524,443, published Oct. 21, 1947.
Hearing aids for the alleviation of deafness. American Sound Products, Inc. 436,299, Jan. 27.
Sanitary napkins. Owl Drug Co. 231,957, renewed Aug. 30, 1947. O. G. Jan. 27.
Syringes, Fountain and rubber bulb. Marvel Company. 436,266, Jan. 27; Serial No. 522,717, published Nov. 4, 1947.
Trusses, Hernia. G. W. Hackney. 436,130, Jan. 27; Serial No. 484,949, published Oct. 28, 1947.
Tweezers. G. M. Ferguson. 436,158, Jan. 27; Serial No. 507,383, published Nov. 4, 1947.

CLASS 45

Beverage, Nonalcoholic, maltless. Mil-Coa Company. 233,567, renewed Oct. 4, 1947. O. G. Jan. 27.

CLASS 46

Bacon and meat luncheon loaf. Swift and Company. 232,430, renewed Sept. 6, 1947. O. G. Jan. 27.
Bread. Gordon-Pagel Company. 232,388, renewed Sept. 6, 1947. O. G. Jan. 27.
Bread. Purity Baking Company. 211,945, renewed Apr. 20, 1946. O. G. Jan. 27.
Butter. Miami Valley Cooperative Milk Producers Association. 231,400, renewed Aug. 16, 1947. O. G. Jan. 27.
Candy, Chocolate. Gurley Candy Company, Inc. 112,506, Sept. 12, 1916. Republished Jan. 27.
Canned boned chicken, chicken a la king, chicken and vegetable dinner, etc. L. S. Taylor, Jr. 436,186, Jan. 27; Serial No. 512,544, published Oct. 28, 1947.
Canned dog and cat food. Timerson Canning Co., Inc. 436,250, Jan. 27; Serial No. 520,241, published Oct. 28, 1947.
Canned fish. Seufert Brothers Company. 436,210, Jan. 27; Serial No. 515,461, published Oct. 28, 1947.

Canned fruits and vegetables. H. F. Hemingway & Co. 65,051, re-renewed Sept. 3, 1947. O. G. Jan. 27.
Canned herrings and anchovies. Fredrikstad Preserving Co. 217,716, renewed Sept. 7, 1946. O. G. Jan. 27.
Canned mushrooms and canned mushroom soup. World's Mushroom Center Specialty Canning Co. 436,297, Jan. 27.
Canned vegetable juices. L. C. Grover. 436,203, Jan. 27; Serial No. 514,706, published Oct. 28, 1947.
Canned vegetables. Inderrieden Canning Co. 232,055, renewed Aug. 30, 1947. O. G. Jan. 27.
Chewing gum. Wm. Wrigley Jr. Company. 436,230, Jan. 27; Serial No. 517,680, published Oct. 28, 1947.
Coffee. Standard Brands Incorporated. 436,261, Jan. 27; Serial No. 521,217, published Oct. 28, 1947.
Confections, Frozen. Borden Company. 436,152, Jan. 27; Serial No. 506,291, published Oct. 28, 1947.
Creamery-butter. Kirschbraun & Sons. 61,601, re-renewed Mar. 26, 1947. O. G. Jan. 27.
Fats, Cooking. Procter and Gamble Company, The. 156,736, July 11, 1922. Republished Jan. 27.
Feeds, Livestock and poultry. U. S. Alfalfa Products Corp. 436,256, Jan. 27; Serial No. 521,047, published Oct. 28, 1947.
Flavoring extracts, cake icing, pie filling, etc. American Products Company. 239,202, renewed Feb. 28, 1948. O. G. Jan. 27.
Flour. Pillsbury-Washburn Flour Mills Company, Ltd. 45,179-80, Aug. 8, 1905. Republished Jan. 27.
Flour, Wheat. Larabee Flour Mills Company. 232,296, renewed Sept. 6, 1947. O. G. Jan. 27.
Flour, Wheat. Northwestern Consolidated Milling Company. 153,811, Mar. 28, 1922. Republished Jan. 27.
Flour, Wheat. Southwestern Milling Company, Inc., The. 159,531, Sept. 26, 1922. Republished Jan. 27.
Food meal, whole biscuits and kibbled biscuits, etc., Dog. Kuehn Milling Company. 436,180, Jan. 27; Serial No. 511,745, published Oct. 28, 1947.
Food, Pet. R. T. Hammond. 436,249, Jan. 27; Serial No. 520,102, published Oct. 28, 1947.
Food preparation. Horlick's Food Company. 14,856, Oct. 25, 1887. Republished Jan. 27.
Grapes; canned fish, Fresh. O. Schalk. 436,259, Jan. 27; Serial No. 521,152, published Oct. 28, 1947.
Herring, Spiced and pickled. B. A. Griffin Company, Inc. 436,128, Jan. 27; Serial No. 482,486, published Sept. 10, 1946.
Margarine. Miami Margarine Company. 436,187, Jan. 27; Serial No. 512,597, published Oct. 28, 1947.
Marshmallows. Cracker Jack Co. 436,255, Jan. 27; Serial No. 520,933, published Oct. 28, 1947.
Nut kernels in their natural state for food. Gill & Duffus. 231,543, renewed Aug. 23, 1947. O. G. Jan. 27.
Oleomargarine. I. W. Bickley. 236,465, renewed Dec. 13, 1947. O. G. Jan. 27.
Olive oil. Simoncelli Brothers. 233,106, renewed Sept. 20, 1947. O. G. Jan. 27.
Orange juice, Bottled concentrated. Pure Drinks, Inc. 436,260, Jan. 27; Serial No. 521,207, published Oct. 28, 1947.
Potato chips. F & L Food Products Co. 436,254, Jan. 27; Serial No. 520,332, published Oct. 28, 1947.
Potato chips. W. T. Phillips, Jr. 436,227, Jan. 27; Serial No. 517,377, published Oct. 28, 1947.
Saccharin tablets. Sigma Chemical Co. 436,232, Jan. 27; Serial No. 518,176, published Oct. 28, 1947.
Salad dressings. M. A. Christiansen. 436,251, Jan. 27; Serial No. 520,264, published Oct. 28, 1947.
Salt. Avery Rock Salt Mining Company. 226,945, renewed Apr. 26, 1947. O. G. Jan. 27.
Sandwich spread. Salad King Company. 436,258, Jan. 27; Serial No. 521,151, published Oct. 27, 1947.
Vegetable oil and olive oil, Blend of. C & S Packing Co. 436,257, Jan. 27; Serial No. 521,058, published Oct. 28, 1947.
Vegetables and frozen deciduous fruits, Frozen. Ielmini Bros. 436,215, Jan. 27; Serial No. 516,077, published Oct. 28, 1947.
Vegetables, Fresh. Keesee Packing Company. 436,195, Jan. 27; Serial No. 513,744, published Oct. 28, 1947.

CLASS 48

Beer. G. Hellemann Brewing Co. 63,492, re-renewed June 27, 1947. O. G. Jan. 27.

CLASS 49

Whisky. Kentucky Holding Corporation. 231,691, renewed Aug. 23, 1947. O. G. Jan. 27.
Whisky. Kentucky Holding Corporation. 232,090, renewed Aug. 30, 1947. O. G. Jan. 27.

CLASS 50

Fabric and waterproof cotton duck, Waterproof. Wm. E. Hooper & Sons Co. 236,082, renewed Dec. 6, 1947. O. G. Jan. 27.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Car and Foundry Investment Corporation, assignee: *See*—
Stanton, Warren F.
Borg-Warner Corporation, assignee: *See*—
Nutt, Harold, and Smirl.
Nutt, Harold, Chicago, Ill., and R. L. Smirl, Detroit, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Automatic transmission. Re. 22,967, Jan. 27.
Smirl, Richard L.: *See*—
Nutt, Harold, and Smirl.
Stanton, Gladys P., administratrix: *See*—
Stanton, Warren F.
Stanton, Warren F., deceased, by G. P. Stanton, administratrix, Pawtucket, R. I.; said W. F. Stanton, assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y. Fuel mixture control. Re. 22,968, Jan. 27.

LIST OF DESIGN PATENTEEES

Amity Leather Products Co., assignee: *See*—
Reis, John P.
Arnoff, Morris P., New York, N. Y. Sport shoe or similar article. 148,451, Jan. 27.
Axelrod, William B.: *See*—
Bleich, Michael, and Axelrod.
Ballard, Wade E., assignor to Modern Plastic Co., Los Angeles, Calif. Condiment dispenser set. 148,452, Jan. 27.
Bassett, Bertha A.: *See*—
Van Dirsten, Margaret, and B. A. and H. L. Bassett.
Bassett, Harry L.: *See*—
Van Dirsten, Margaret, and B. A. and H. L. Bassett.
Betten, Philip: *See*—
Lehrhaupt, Maxwell.
Betten, Philip, and M. Lehrhaupt, Brooklyn, N. Y. Meat holder and carver's aid. 148,453, Jan. 27.
Blakeslee, Herbert G., Evanston, assignor to Cory Corporation, Chicago, Ill. Ceramic table tile. 148,454, Jan. 27.
Bleich, Michael, and W. B. Axelrod, New York, N. Y. Stenographers' notebook stand or similar article. 148,455, Jan. 27.
Boyden, Robert E.: *See*—
Clary, Hugh L., and Boyden.
Calco Company, The, assignee: *See*—
Cicerchia, John.
Castleton China, Incorporated, assignee: *See*—
Yee, Ching-Chih.
Cicerchia, John, North Providence, assignor to The Calco Company, Providence, R. I. Brooch. 148,456, Jan. 27.
Civita, Victor, New York, N. Y. Container for pens and pencils. 148,457, Jan. 27.
Clary, Hugh L., Pasadena, and R. E. Boyden, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Key-board for calculating machines or similar articles. 148,458, Jan. 27.
Clary Multiplier Corporation, assignee: *See*—
Clary, Hugh L., and Boyden.
Cook, William H., Toledo, Ohio. Electric connector plug or similar article. 148,459, Jan. 27.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Cory Corporation, assignee: *See*—
Blakeslee, Herbert G.
D'Alberto, Benedetto, Brooklyn, N. Y. Hair clip. 148,461, Jan. 27.
Darr, Harold W., assignor to Midwestern Metal Products Co., Minneapolis, Minn. Hydraulic bumper jack. 148,460, Jan. 27.
Debo, Homer C., Los Angeles, Calif. Child's chair. 148,462, Jan. 27.
De Jur-Amsco Corporation, assignee: *See*—
Moomaw, Lewis H.
Fountain Server Co., Inc., assignee: *See*—
Weinberg, David H.
Frick-Gallagher Manufacturing Company, The, assignee: *See*—
Krag, Erik P.
Fuller, Paul M., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Beverage dispenser. 148,463, Jan. 27.
Goldman, Oliver D., Philadelphia, Pa. Combined telephone stand and memorandum pad holder. 148,464, Jan. 27.
Gordon, David, Los Angeles, Calif. Charm or similar article. 148,465, Jan. 27.
Gordon, James L., Amarillo, Tex. Building. 148,466, Jan. 27.
Goudreau, Delphus, Northbridge, Mass. Dual cross communion set. 148,467, Jan. 27.
Graning, Thomas, assignee: *See*—
Schludknecht, Paul.
Hiltensbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld, Inc., New York, N. Y. Ornament for handbags or the like. 148,468, Jan. 27.
Hockery, John C., assignee, trustee: *See*—
Travis, Albert M.
Hotchkiss Realty Corporation, assignee: *See*—
Peterson, Roy E.
Hutcheson, Ray R., Brooklyn, N. Y. Combined electric switch and rheostat. 148,469, Jan. 27.
Johns, Rolland B., Cleveland, Ohio. Vignetter screen. 148,470, Jan. 27.
Katz, Adolph, Providence, R. I. Earring or similar article. 148,472, Jan. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,471, Jan. 27.
Krag, Erik P., Peoria, Ill., assignor to The Frick-Gallagher Manufacturing Company, Wellston, Ohio. Catalogue rack. 148,473, Jan. 27.
Kuhlman, Florence, New York, N. Y. Handbag or similar article. 148,474, Jan. 27.
Lewine, Hyman W., New York, assignor to Superba Cravats, Rochester, N. Y. Textile fabric or similar article. 148,475, Jan. 27.
Lewine, Hyman W., New York, assignor to Superba Cravats, Rochester, N. Y. Textile fabric or similar article. 148,476, Jan. 27.
Lewine, Hyman W., New York, assignor to Superba Cravats, Rochester, N. Y. Textile fabric or similar article. 148,477, Jan. 27.
Medgyes, Ladislav, assignor to Helena Rubinstein, Inc., New York, N. Y. Combined vanity case and lipstick holder. 148,478, Jan. 27.
Mergott, J. E., Co., The, assignee: *See*—
Sporman, Robert T.
Midwestern Metal Products Co., assignee: *See*—
Darr, Harold W.
Miller, Lottie K.: *See*—
Miller, Meyer M. and L. K.
Miller, Meyer M. and L. K., Baltimore, Md. Portable shelf unit. 148,479, Jan. 27.
Modern Plastic Co., assignee: *See*—
Ballard, Wade E.
Moomaw, Lewis H., Great Neck, assignor to De Jur-Amsco Corporation, Long Island City, N. Y. Motion picture projector. 148,480, Jan. 27.
Myers, Warren J.: *See*—
Stinard, Harry I., and Myers.
Peterson, Roy E., assignor, by mesne assignments, to Hotchkiss Realty Corporation, Norwalk, Conn. Plier type fastener setting device. 148,481, Jan. 27.
Pla, Ferdinand P., Buffalo, N. Y. Dispensing head or the like. 148,482, Jan. 27.
Pulp Reproduction Company, assignee: *See*—
Williams, Roger T.
Reis, John P., assignor to Amity Leather Products Co., West Bend, Wis. Billfold. 148,483, Jan. 27.
Richardson Company, The, assignee: *See*—
Shank, McConnell.
Roche, Benjamin G., Quebec, Quebec, Canada. Toilet tissue dispenser. 148,484, Jan. 27.

LIST OF DESIGN PATENTEES

Rosenfeld, Harry, Inc., assignee: *See*—
Hiltensbrand, Frank X.
Rowe, Horace N., Toledo, Ohio. Switch volume control. 148,485, Jan. 27.
Rubinstein, Helena, Inc., assignee: *See*—
Medgyes, Ladislav.
Rudolph Wurlitzer Company, The, assignee: *See*—
Fuller, Paul M.
Schlitznecht, Paul, assignor of one-half to T. Graning, Los Angeles, Calif. Portable motor-driven saw. 148,486, Jan. 27.
Scoules, Gary, Canonsburg, Pa. Manicure implement. 148,487, Jan. 27.
Shank, McConnell, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Molded bottle crate and carrier. 148,488, Jan. 27.
Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,489, Jan. 27.
Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,490, Jan. 27.
Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,491, Jan. 27.
Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,492, Jan. 27.
Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,493, Jan. 27.
Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,494, Jan. 27.
Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,495, Jan. 27.
Staab, George J., Springfield, N. J. Reservoir desk stand. 148,496, Jan. 27.
Strnard, Harry L., Renton, and W. J. Myers, Seattle, Wash. Door handle or the like. 148,497, Jan. 27.
Superba Cravata, assignee: *See*—
Lewine, Hyman W.

Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,498, Jan. 27.
Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,499, Jan. 27.
Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,500, Jan. 27.
Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,501, Jan. 27.
Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,502, Jan. 27.
Van Dirsten, Margaret, and B. A. and H. L. Bassett, Detroit, Mich.; said H. L. Bassett assignor to said Van Dirsten and said B. A. Bassett. Smoking pipe. 148,503, Jan. 27.
Vetter, Homer J., Seattle, Wash. Tubular chair. 148,504, Jan. 27.
Walker, Joset, New York, N. Y. Dress. 148,505, Jan. 27.
Weinberg, David H., assignor to Fountain Server Co., Inc., Philadelphia, Pa. Luncheon table. 148,506, Jan. 27.
Williams, Roger T., assignor to Pulp Reproduction Company, Milwaukee, Wis. Molded pulp decoy. 148,507, Jan. 27.
Williams, Roger T., assignor to Pulp Reproduction Company, Milwaukee, Wis. Molded pulp decoy. 148,508, Jan. 27.
Wright, Mary S., New York, N. Y. Combined jar and dispensing cover. 148,509, Jan. 27.
Yee, Ching-Chih, assignor to Castleton China, Incorporated, New York, N. Y. Plate or the like. 148,510, Jan. 27.
Young, Roy, Wilmington, Calif. Corner chair. 148,511, Jan. 27.
Zuckerman, Samuel G., New York, N. Y. Deflector for infant's toilet seat. 148,512, Jan. 27.
Zweig, Henry, Brooklyn, N. Y. Earring or similar article. 148,513, Jan. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acme Visible Records, Inc., assignee: *See*—
Hall, Marchand B., and Ketterman.
Adam, Frank, St. Louis County, and F. S. Green, assignors to Frank Adam Electric Company, St. Louis, Mo. Circuit breaker. 2,435,114, Jan. 27.
Adam, Frank, Electric Company, assignee: *See*—
Adam, Frank, and Green.
Adam, Frederick B., assignor to Frank Adam Electric Company, St. Louis, Mo. Bus ducts for electrical distribution systems. 2,435,113, Jan. 27.
Agency Electric Co., assignee: *See*—
Walsh, John P.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Schomer, Harold A., and Hamner.
Aircraft Screw Products Company, Inc., assignee: *See*—
Geertsema, Kenneth B.
Air Reduction Company, Incorporated, assignee: *See*—
Heidbrink, Jay A., Michaelson, and Hay.
Aktiebolaget Gotaverken, assignee: *See*—
Johansson, Johan E.
Aktiegesellschaft Brown, Boveri & Cie, assignee: *See*—
Keller, Robert.
Alford, Andrew, New York, N. Y., and C. B. Watts, Jr., East Orange, N. J., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Unidirectional antenna system. 2,434,893, Jan. 27.
Allied Chemical & Dye Corporation, assignee: *See*—
Stetson, Robert S.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Scranton, Charles J.
Alsop, Samuel, Meriden, Conn. Filter. 2,435,115, Jan. 27.
Ambrose, Dermot M., assignor to Standard Telephones and Cables Limited, London, England. Apparatus for converting pairs of time modulated pulses into pulses of variable duration. 2,434,894, Jan. 27.
American Blower Corporation, assignee: *See*—
Meyer, Harry A.
American Can Company, assignee: *See*—
Nordquist, Ronald E. J.
American Cyanamid Company, assignee: *See*—
Buc, George L., and Stearns.
Long, Robert S., and Lewis.
American Instrument Co., Inc., assignee: *See*—
Healey, Sidney.
Antioch College, assignee, et al.: *See*—
Bean, Morris.
Arditi, Maurice, Boulogne, Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,434,895, Jan. 27.
Armstrong Coal Break Company, assignee: *See*—
Armstrong, Frank H.
Armstrong Cork Company, assignee: *See*—
Woerner, Herbert R.
Armstrong, Frank H., Chicago, Ill., assignor to Armstrong Coal Break Company. Blasting cartridge. 2,435,116, Jan. 27.
Armstrong Siddeley Motors Limited, assignee: *See*—
Heppner, Fritz A. M.
Arter Grinder Machine Company, assignee: *See*—
Thompson, John G.
Auto Specialties Manufacturing Company, assignee: *See*—
Mueller, Joseph J.
Automatic Electric Laboratories, Inc., assignee: *See*—
Baker, George T.
Ayers, William, assignor to Ayr Corp., Evanston, Ill. Centrifugal impeller. 2,434,896, Jan. 27.
Ayr Corp., assignee: *See*—
Ayers, William.
Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to Sperry Gyroscope Company, Inc. Stereoscopic radio location device. 2,434,897, Jan. 27.
Babcock, Roger S., Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Post-mixed blowpipe for thermochemically removing surfaces of metal bodies. 2,435,117, Jan. 27.
Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Apparatus for grinding crystals and the like. 2,435,118, Jan. 27.
Bailey Meter Company, assignee: *See*—
Barnes, Frederick A.
Baker, George T., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Contact bank of switches and cabling arrangement between switches in automatic telephone systems. 2,435,025, Jan. 27.

Baker, Gerald T., Clearwater, Nebr. Hay fork. 2,435,119, Jan. 27.
Baker, Harry E., Oakland, Calif. Cable greasing device. 2,435,120, Jan. 27.
Baker, Hayward R.: *See*—
Zisman, William A., and Baker.
Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Welding control system. 2,435,026, Jan. 27.
Barr, Francis A., assignee: *See*—
Barah, Walter V.
Barsh, Walter V., Indiantown Gap, Pa., assignor to F. A. Barr, Laurelton, Long Island, N. Y. Meter reading annunciator. 2,435,066, Jan. 27.
Bascom, Henry M., and F. A. Hubbard, deceased, Maplewood, N. J., by G. M. Hubbard, executrix, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Digit registering means responsive to selective frequencies. 2,434,898, Jan. 27.
Bastian-Blessing Company, The, assignee: *See*—
Connell, William S., Boettcher, and Holman.
Bayley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Acetyl N-heterocyclic couplers for color photography. 2,435,173, Jan. 27.
Bean, Morris, assignor to Antioch College, M. Bean, X. Bean, A. D. Henderson, A. E. Morgan, and W. Beatty, all of Yellow Springs, Ohio. Casting light metals. 2,435,121, Jan. 27.
Bean, Xarifa, assignee, et al.: *See*—
Bean, Morris.
Beatty, Rolla M., Pittsburgh, Pa. Antifriction bearing mounting. 2,435,067, Jan. 27.
Beatty, William, assignee, et al.: *See*—
Bean, Morris.
Beaver Pipe Tools, Inc., assignee: *See*—
Pealer, Robert B.
Bell, Eddie J., Ingleside, Tex. Clasp. 2,435,174, Jan. 27.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bascom, Henry M., and Hubbard.
Black, Robert, Jr., and Romanow.
Curtis, Austen M.
Johnson, John B.
Mason, Warren P.
McKim, Burton.
Meszarda, George W., and Trucksess.
Quarles, Donald A.
Richard, Charles D.
Bellamy, Virginia W., Cold Spring Harbor, N. Y. Number knitting. 2,435,068, Jan. 27.
Bendix Aviation Corporation, assignee: *See*—
Nardone, Romeo M.
Bergh, Charles J., assignor to Jacobsen Manufacturing Company, Racine, Wis. Motor drive for centrifugal pumps. 2,434,979, Jan. 27.
Berndt, Arthur, New York, N. Y. Variable speed control. 2,435,122, Jan. 27.
Biggs, James D., Oronogo, Mo., assignor to The Military Chemical Works, Inc. Formation of concentrated solutions of ammonium salts. 2,434,899, Jan. 27.
Bilofsky, Maxwell M., Newark, N. J. Combination illuminating and sterilizing lamp. 2,434,980, Jan. 27.
Biro, Laszlo J., Buenos Aires, Argentina, assignor, by mesne assignments, to Eversharp, Inc., Chicago, Ill. Fountain pen. 2,435,123, Jan. 27.
Black, Robert, Jr., South Orange, and F. F. Romanow, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sonic translating device. 2,434,900, Jan. 27.
Blomberg, Knut H., Appelviken, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Pointer-controlled, periodic circuit breaker. 2,435,027, Jan. 27.
Bludworth, Joseph E., Corpus Christi, Tex., and D. P. Easter, Washington, D. C., assignors to Celanese Corporation of America. Organic polyhydroxy compound. 2,434,982, Jan. 27.
Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. Organic polyhydroxy compounds and derivatives. 2,434,981, Jan. 27.
Boettcher, Paul F.: *See*—
Connell, William S., Boettcher and Holman.
Bokovoy, Samuel A., Verona, and H. W. N. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Piezoelectric crystal mounting. 2,434,903, Jan. 27.
Bolduc, Albert, Detroit, Mich. Die removing device. 2,434,983, Jan. 27.

Bolesky, John D., Attleboro, and L. W. Buell, Rehoboth, assignors to Metals & Controls Corporation, Attleboro, Mass. Thermostatic control. 2,434,984, Jan. 27.

Bollinger, Loren C., Martinez, assignor to Shell Development Company, San Francisco, Calif. Dispersing a foam-reducing silicon-containing compound. 2,435,124, Jan. 27.

Botham, Jack F., Colchester, England. Perpetual calendar with automatic day indication. 2,435,069, Jan. 27.

Bottle Brownie Corp., assignee: See—
Campbell, James W.

Bourland, Harry B., assignor to Red Spot Paint & Varnish Company, Inc., Evansville, Ind. Display bin construction. 2,434,985, Jan. 27.

Boyle-Midway Inc., assignee: See—
Cameron, Joseph W.

Brady, Frank W., San Francisco, Calif. Device for handling cakes of ice and delivering same in comminuted form. 2,435,030, Jan. 27.

Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Alkylation process. 2,435,028, Jan. 27.

Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Alkylation of isoparaffins with olefins. 2,435,029, Jan. 27.

Bremer, Harry E., Milwaukee, Wis. Adjustable lamp. 2,434,986, Jan. 27.

Brinker, Howard C.: See—
Carlton, Richard P., and Brinker.

Bristol Steel & Iron Works, Inc., assignee: See—
Ferguson, Robert O.

Britton, Edgar C., and J. E. Livak, assignors to The Dow Chemical Company, Midland, Mich. Purification of triptophane. 2,435,125, Jan. 27.

Buc, George L., Orange, and E. I. Stearns, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Flickering beam spectrophotometer for the measurement of bronze. 2,435,175, Jan. 27.

Buc, George L., Orange, and E. I. Stearns, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Flickering beam spectrophotometers for the measurement of bronze. 2,435,176, Jan. 27.

Buck, Richard S., Glastonbury, and A. Kalitinsky, Eagleville, assignors to United Aircraft Corporation, East Hartford, Conn. Turbine cooling. 2,434,901, Jan. 27.

Buell, Lewis W.: See—
Bolesky, John D., and Buell.

Burbank, Henry R., New York, and B. J. Zenlea, Ozone Park, Long Island, assignors to Rockwood & Co., Brooklyn, N. Y. Chocolate coated edibles. 2,434,987, Jan. 27.

Burch, Cecil R., Clifton, Bristol, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Formation of curved surfaces of prescribed figure by grinding and/or polishing. 2,435,126, Jan. 27.

Burdick, Will S., Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavator door mounting. 2,434,902, Jan. 27.

Burns, John R., and J. M. Whitmore, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Detonation pickup. 2,435,031, Jan. 27.

Burt, Guy H.: See—
Burt, Harry M., and G. H.

Burt, Harry M., Narragansett, and G. H. Burt, Edgewood, R. I. Fabricating contacts for fluorescent starter switches. 2,434,905, Jan. 27.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Phase shifting arrangement. 2,434,904, Jan. 27.

Cameron, Joseph W., assignor to Boyle-Midway Inc., Chicago, Ill. Capping machine. 2,435,127, Jan. 27.

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Temperature indicator control circuit. 2,435,070, Jan. 27.

Campbell, Carl M., assignor to Hagerstown Leather Company, Hagerstown, Md. Bill divider and key container for billfolds. 2,435,032, Jan. 27.

Campbell, James W., Rockville Centre, assignor to Bottle Brownie Corp., Long Beach, N. Y. Device for transferring fluids. 2,435,033, Jan. 27.

Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Circuit breaker. 2,435,128, Jan. 27.

Carlton, Richard P., and H. C. Brinker, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Plasticizing proteins and products thereof. 2,434,906, Jan. 27.

Cash, A. W., Company, assignee: See—
Temple, Paul C.

Castel, Maurice, Freeport, N. Y. Hand device for attaching gummed labels. 2,435,129, Jan. 27.

Celanese Corporation of America, assignee: See—
Bludworth, Joseph E., and Easter.

Dreyfus, Henry, and Finlayson and Perry.

Chatterjee, Prafulla K., and L. W. Houghton, assignors to Standard Telephones and Cables Limited, London, England. Generator of periodically varying electric currents. 2,434,907, Jan. 27.

Chatterjee, Prafulla K., and C. T. Scully, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic amplifier. 2,434,908, Jan. 27.

Chicago Fire Brick Company, assignee: See—
Young, William G.

Chisholm, Eugene F., Portland, Oreg. Liquid cooler. 2,435,034, Jan. 27.

Christensen, Donald W., assignor to Young Radiator Company, Racine, Wis. Heat exchange core and air duct. 2,434,988, Jan. 27.

Christian, David A., Batley, assignor to Siemens Brothers & Co. Limited, London, England. High-speed searcher using gas discharge tubes. 2,434,989, Jan. 27.

Ciba Pharmaceutical Products, Incorporated, assignee: See—
Hartmann, Max, and von Meyenburg.

Miescher, Karl.

Reichstein, Tadeus.

Ruzicka, Leopold.

Cleve, Frank, Jr., Kansas City, Mo. Shoe half sole or tap. 2,434,990, Jan. 27.

Cleveland Pneumatic Tool Company, The, assignee: See—
Kovacs, William R.

Lehman, Eugene W.

Colgate-Palmolive-Peet Company, assignee: See—
Ross, John.

Combustion Control Corporation, assignee: See—
Hamilton, James C.

Compagnie de Produits Chimiques et Electrometallurgiques Alais, assignee et al.: See—
LaLande, André.

Connell, William S., Norwood Park Township, Cook County, Ill., and P. F. Boettcher and C. M. Holmen, Grand Haven, Mich., assignors to The Bastian-Blessing Company, Chicago, Ill. Article dispensing device. 2,435,177, Jan. 27.

Consolidated Vultee Aircraft Corporation, assignee: See—
Suggs, Dalton B.

Control Instrument Company, Inc.: See—
Lehde, Henry, and Lang.

Cook Electric Company, assignee: See—
Hasselhorn, Walter C.

Corning Glass Works, assignee: See—
McGregor, R. R., and Warrick.

Crowley, John C., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Liquid inflating device for tires. 2,434,991, Jan. 27.

Cunningham, Roy N., Washington, D. C. Cryptographic attachment for typewriter. 2,435,130, Jan. 27.

Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit maker and breaker. 2,434,909, Jan. 27.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Electrical impulse sending device. 2,434,910, Jan. 27.

De Benedictis, Aldo: See—
Luten, Daniel B., Jr., and De Benedictis.

Denysen, Ivanhoe P.: See—
Skinner, Murray F., Denysen, and Kolmes.

Denysen, Ivanhoe P., Lansdowne, Pa., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Heating and spraying device. 2,434,911, Jan. 27.

Desbriens, Joseph A., Fall River, Mass. Shoe with moisture absorbing means. 2,435,131, Jan. 27.

Devaux, Lucien, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Simultaneous plural frequency start-stop telegraph system. 2,435,035, Jan. 27.

D'Horaene, Elie F. H., Brussels, Belgium. Display stand for show windows. 2,435,132, Jan. 27.

Dill Manufacturing Company, The, assignee: See—
Crowley, John C.

Dow Chemical Company, The, assignee: See—
Britton, Edgar C., and Livak.

Dreyfus, Henry, deceased, London, and D. Finlayson and R. G. Perry, Spondon near Derby, England; C. Bonard, administrator, assignors to Celanese Corporation of America. Impregnating regenerated cellulose rope. 2,434,912, Jan. 27.

Dreyfus, Henry, deceased, London, and D. Finlayson and R. G. Perry, Spondon near Derby, England; C. Bonard, administrator, assignors to Celanese Corporation of America. Fibrous products. 2,434,913, Jan. 27.

Dunham, Charles G. H. F.: See—
Lewis, Thomas M., Rounce, and Dunham.

Du Pont, E. I., de Nemours & Company, assignee: See—
Rarick, Morgan J.

Schmidt, Edgar H.

Durand, Francois, Zurich, Switzerland. Graphic calculator. 2,435,133, Jan. 27.

Durst, George, assignor to Metals & Controls Corporation, Attleboro, Mass. Electrical contact. 2,434,992, Jan. 27.

Dwyer, Harold V., Detroit, Mich. Tablet dispenser. 2,434,993, Jan. 27.

Earle, Ralph H., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. High-voltage circuit interrupter. 2,434,994, Jan. 27.

Earp, Charles W., assignor to Standard Telephones and Cables Limited, London, England. Frequency indicating cathode-ray oscilloscope. 2,434,914, Jan. 27.

Earp, Charles W., assignor to Standard Telephones and Cables Limited, London, England. Radio beacon system for bearing determination. 2,434,915, Jan. 27.

Easter, Donald P.: See—
Bludworth, Joseph E., and Easter.

Evans, Theodore W., Oakland, R. C. Morris, Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Amides of cyclic sulfones. 2,435,071, Jan. 27.

Everett, Leonard, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Trigger operated carrier telegraph transmitter. 2,434,916, Jan. 27.

Eversharp, Inc., assignee: See—
Biro, Laszlo J.

Federal Telephone and Radio Corporation, assignee: See—
Alford, Andrew, and Watts.

Bokovoy, Samuel A., and Hawk.

Busignies, Henri G.

Denysen, Ivanhoe P.

Everett, Leonard.

Fuchs, Morton.

Grieg, Donald D.

Labin, Emile, and Grieg.

Miller, Horace G.

Pickles, Sidney B.

Sherman, Vernon W.

Skinner, Murray F., Denysen, and Kolmes.

Feldtkeller, Carl L., assignor to Solar Corporation, Milwaukee, Wis. Pusher attachment for conveyors. 2,435,072, Jan. 27.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Brush scraping attachment for cans. 2,435,036, Jan. 27.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay bearing structure. 2,435,000, Jan. 27.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Polarized electromagnetic relay. 2,435,001, Jan. 27.

Finlayson, Donald: See—
Dreyfus, Henry, Finlayson, and Perry.

Fluor Corporation, Ltd., The, assignee: See—
McCartney, Edward R.

Forsell, Eric G., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Detecting flaws in tubular steel castings. 2,435,134, Jan. 27.

Franck, Lester W., assignor to Independent Paper Box Co., Los Angeles, Calif. Collapsible shipping and display carton. 2,435,135, Jan. 27.

Freeman, Jorge T., Buenos Aires, Argentina. Collapsible awning. 2,435,073, Jan. 27.

Fry, Glenn A., Columbus, Ohio, assignor to the United States of America, as represented by the Secretary of War. Contrast measuring device. 2,435,074, Jan. 27.

Fuchs, Morton, New York, assignor to Federal Standard Telephone and Radio Corporation, New York, N. Y. Mechanical modulator. 2,434,917, Jan. 27.

Fuller Label & Box Company, assignee: See—
Monks, Frank E.

Gall, James E., Washington, D. C. Support for multi-conductor electrical cables. 2,434,918, Jan. 27.

Gardenhour, Allen J., Waynesboro, Pa. Multiple contact jack. 2,435,136, Jan. 27.

Gardiner, Arthur W., and W. T. Nickel, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Airplane engine and propeller pitch control. 2,435,037, Jan. 27.

Garofalo, Domenico, Brooklyn, N. Y. Platform type shoe. 2,434,995, Jan. 27.

Gautier, Trevor R., and R. W. Holtt, assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H. Adhesive strip server. 2,434,996, Jan. 27.

Geertsma, Kenneth B., Valley Stream, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Long-shaft stud driver. 2,435,137, Jan. 27.

General Aniline & Film Corporation, assignee: See—
Bavley, Abraham.

General Electric Company, assignee: See—
Camilli, Guglielmo.

Hall, Chester I.

Patnode, Winton I.

Weaver, Burr S.

Wightman, Lawrence W.

General Motors Corporation, assignee: See—
Burns, John R., and Whitmore.

Carlson, Wilbur L.

Gardiner, Arthur W., and Nickel.

Rossman, Edwin F.

General Railway Signal Company, assignee: See—
Field, Oscar S.

Knapp, James W., and O'Brien.

Gilbert, William I., New Kensington, and C. W. Montgomery, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic dealkylation of alkyl aromatic compounds. 2,435,038, Jan. 27.

Glard, Jean M., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Braking asynchronous motors. 2,434,919, Jan. 27.

Glusoff, Jerome, Cincinnati, Ohio, assignor to Goodall-Sanford, Inc., Sanford, Maine. Coat construction. 2,434,997, Jan. 27.

Goldman, Sylvan N., Oklahoma City, Okla. Folding basket carrier. 2,434,998, Jan. 27.

Goodall-Sanford, Inc., assignee: See—
Glusoff, Jerome.

Goodman Manufacturing Company, assignee: See—
Holstein, John H.

Gould, George, Madison, S. Dak.; M. B. Gould, administratrix of said George Gould, deceased. Fish scaling clamp. 2,435,075, Jan. 27.

Gould, Minnie B., administratrix: See—
Gould, George.

Gray, George F.: See—
Pratt, Verneur E., and Gray.

Green, Floyd S.: See—
Adam, Frank, and Green.

Grieg, Donald D.: See—
Labin, Emile, and Grieg.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse generator system. 2,434,920, Jan. 27.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse amplitude selective system. 2,434,921, Jan. 27.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse amplitude selector system. 2,434,922, Jan. 27.

Griffin, Richard A., administrator: See—
Griffin, Samuel P.

Griffin, Samuel P., Indianapolis, Ind.; R. A. Griffin, administrator of said Samuel P. Griffin, deceased. House-moving truck. 2,434,999, Jan. 27.

Gruendler Crusher & Pulverizer Company, assignee: See—
Latture, James L.

Gulf Research & Development Company, assignee: See—
Gilbert, William I., and Montgomery.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Distillation of butadiene from methyl acetylene and higher-boiling hydrocarbons. 2,434,923, Jan. 27.

Hagerstown Leather Company, assignee: See—
Campbell, Carl M.

Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Electrically actuated valve. 2,435,076, Jan. 27.

Hall, Marchand B., and S. K. Ketterman, assignors to Acme Visible Records, Inc., Chicago, Ill. Record filing device. 2,435,077, Jan. 27.

Halliburton Oil Well Cementing Company, assignee: See—
Pitts, Charles A.

Hamilton, James C., Lexington, assignor to Combustion Control Corporation, Cambridge, Mass. Flame failure control apparatus. 2,434,924, Jan. 27.

Hammer, Charles L.: See—
Schomer, Harold A., and Hammer.

Harnischfeger Corporation, assignee: See—
Burdick, Will S.

Harper, Lyndus E., assignor to Omega Machine Company, Kansas City, Mo. Disk feeder having material scraper and material agitators. 2,435,039, Jan. 27.

Hartmann, Max, Riehen, and H. von Meyenburg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Manufacture of para-aminobenzene-sulfonamido-pyrimidines. 2,435,002, Jan. 27.

Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. System of deicing for aircraft, vessels, etc. 2,435,003, Jan. 27.

Hawk, Henry W. N.: See—
Bokovoy, Samuel A., and Hawk.

Haxby, Robert O., Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Coupling means for relatively movable wave guides. 2,434,925, Jan. 27.

Hay, Wayne W.: See—
Heidbrink, Jay A., Michaelson, and Hay.

Hayes, Harvey C., Washington, D. C. Underwater sound transmitter or receiver. 2,434,926, Jan. 27.

Healey, Sidney, Washington, D. C., assignor, by mesne assignments, to American Instrument Co., Inc. Thermostatic switch. 2,435,004, Jan. 27.

Hearne, George W., El Cerrito, and D. S. La France, Richmond, assignors to Shell Development Company, San Francisco, Calif. Rearrangement of unsaturated aliphatic alcohols. 2,435,078, Jan. 27.

Heaton-Armstrong, Louis J., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Antenna system for defining a blind approach path. 2,434,927, Jan. 27.

Heidbrink, Jay A., W. E. Michaelson, and W. W. Hay, Minneapolis, Minn., assignors to Air Reduction Company, Incorporated, New York, N. Y. Gas dispenser. 2,435,040, Jan. 27.

Henderson, Algo D., assignee et al.: See—
Bean, Morris.

Heppner, Fritz A. M., Leamington Spa, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Compound internal-combustion turbine plant. 2,435,138, Jan. 27.

Hickok Manufacturing Company, Inc., assignee: See—
Johnson, Frederick D.

Hild, Frederic W., Los Angeles, Calif. Regulating device for cooling systems. 2,435,041, Jan. 27.

Hill, Elsie M., assignee: *See*—
Hill, Jared A.
Hill, Jared A., Burlingame, Calif., assignor, by decree of distribution to Elsie M. Hill. Hot and cold water system. 2,434,928, Jan. 27.
Holt, Robert W.: *See*—
Gautier, Trevor R., and Holt.
Holland, John D., and D. D. Robinson, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio receiver circuits. 2,434,929, Jan. 27.
Holmen, Carl M.: *See*—
Connell, William S., Boettcher, and Holman.
Holstein, John H., assignor to Goodman Manufacturing Company, Chicago, Ill. Self-loading device for shaker conveyors. 2,435,139, Jan. 27.
Hoover Company, The, assignee: *See*—
Sutton, Otis B.
Hoover, Walter S., South Newfane, Vt. Helicopter rotor control. 2,435,080, Jan. 27.
Hotchkiss, James R., Short Hills, assignor to The Palnut Company, Irvington, N. J. Fastening device. 2,435,079, Jan. 27.
Houghton, Leslie W.: *See*—
Chatterjea, Prafulla K., and Houghton.
Howard, Herman G., Denver, Colo. Coupling device. 2,435,081, Jan. 27.
Hubbard, Francis A.: *See*—
Bascom, Henry M., and Hubbard.
Hubbard, Genevieve M., executrix: *See*—
Bascom, Henry, and Hubbard.
Huber, Omar A., Oroville, Calif. Gripping device for bed clothing. 2,435,082, Jan. 27.
Huppke, Walter F., New York, and A. L. Sodergreen, Great Neck, assignors to West Disinfecting Company, Long Island City, N. Y. Skin protective ointment. 2,435,005, Jan. 27.
Ilex Optical Company, assignee: *See*—
Schwarz, Alfred.
Independent Paper Box Co., assignee: *See*—
Frank, Lester W.
Interior, United States of America, as represented by the Secretary of the, assignee: *See*—
Kinyon, Allen L., and Scarborough.
International Standard Electric Corporation, assignee: *See*—
Arditi, Maurice.
Chatterjea, Prafulla K., and Scully.
Deakin, Gerald.
Devaux, Lucien.
Girard, Jean M.
Heaton-Armstrong, Louis J.
Holland, John D., and Robinson.
Levy, Maurice M.
Richards, Edward A.
Roatas, Ernest.
I. T. E. Circuit Breaker Company, assignee: *See*—
Scott, William M., Jr.
Jacobsen Manufacturing Company, assignee: *See*—
Bergh, Charles J.
James Manufacturing Company, assignee: *See*—
Olson, John B.
Jeffery, Richard E., Malden, assignor to Market Forge Company, Everett, Mass. Door for pressure compartments. 2,435,006, Jan. 27.
Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Gothenburg, Sweden. Plural fluid turbine combining impulse and reaction blading. 2,435,042, Jan. 27.
Johnson, Frederick D., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Tubular elastic brace. 2,435,007, Jan. 27.
Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for ionic discharge coating. 2,434,930, Jan. 27.
Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for ionic discharge coating. 2,434,931, Jan. 27.
Johnson, William R., Seattle, Wash. Decoy. 2,435,083, Jan. 27.
Johnston, John S., Trenton, N. J. Garment hanger. 2,435,084, Jan. 27.
Judd, George E., Fort Myers, Fla. Pulley aligner. 2,435,085, Jan. 27.
Kalitinsky, Andrew: *See*—
Buck, Richard S., and Kalitinsky.
Kaufmann, Harry A., Detroit, Mich. Storm window ventilating and cleanout opening. 2,435,008, Jan. 27.
Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Load regulation of synchronous machines. 2,434,932, Jan. 27.
Ketterman, Sylvan K.: *See*—
Hall, Marhand B., and Ketterman.
Klef, George J., Norwood, Ohio. Scraper for fountain blades. 2,435,009, Jan. 27.
Kinyon, Allen L., Vancouver, Wash., and W. E. Scarborough, Portland, Oreg., assignors to United States of America, as represented by the Secretary of the Interior. Transmission line flashover detector. 2,434,933, Jan. 27.

Kitzerow, Donald J., Dayton, Ohio, assignor to the United States of America, as represented by the Secretary of War. Localizer radio antenna array. 2,434,934, Jan. 27.
Knapp, James W., Brockport, and J. C. O'Brien, assignors to General Railway Signal Company, Rochester, N. Y. Continuously checked communication system. 2,435,010, Jan. 27.
Knauth, Walter T., assignor to The Milwhite Co., Inc., Houston, Tex. Switch controlling assembly. 2,435,143, Jan. 27.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Signal translating apparatus. 2,435,140, Jan. 27.
Koch, Jerry C., Riverside, assignor to The Wolgen Company, Chicago, Ill. Amusement game. 2,435,141, Jan. 27.
Kolmes, Max G.: *See*—
Skinker, Murray F., Denysen, and Kolmes.
Kovacs, William R., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Rivet feeding device. 2,435,142, Jan. 27.
Kreitner, Johann: *See*—
Nettel, Frederick, and Kreitner.
Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,434,935, Jan. 27.
Kubicki, Piotr, London, England. Rivet. 2,435,144, Jan. 27.
Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation. Modulation system. 2,434,936, Jan. 27.
Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Selective filtering system. 2,434,937, Jan. 27.
Lack, Robert, Bakersfield, Calif. Cathode with replaceable sleeve. 2,435,086, Jan. 27.
La France, Donald S.: *See*—
Hearne, George W., and La France.
Lalande, André, assignor to Produits Chimiques de Ribecourt, and Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camarague, Paris, France. Producing solid stabilized polysulphides. 2,435,145, Jan. 27.
Lang, Walter T.: *See*—
Lehde, Henry, and Lang.
Latture, James L., Los Angeles, Calif., assignor to Gruendler Crusher & Pulverizer Company, St. Louis, Mo. Opposed roll crusher with complementary double-curvature dress. 2,434,938, Jan. 27.
Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Latch. 2,435,180, Jan. 27.
Lehde, Henry, and W. T. Lang, assignors to Control Instrument Company, Inc., Brooklyn, N. Y. Device for measuring rate of fluid flow. 2,434,043, Jan. 27.
Lehman, Eugene W., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,435,146, Jan. 27.
Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic valve circuits. 2,434,939, Jan. 27.
Lewis, Charles E.: *See*—
Long, R. S., and Lewis.
Lewis, Thomas M., Colne, E. G. Rounce, Alrton, Skipton, and C. G. H. F. Dunham, Ashbridge Park, Berkhamstead, England. Mechanized restaurant. 2,435,044, Jan. 27.
Lindsay, Harold W., Redwood City, Calif., assignor to the United States of America, as represented by the Secretary of War. Breathing indicator. 2,435,181, Jan. 27.
Line Material Company, assignee: *See*—
Earle, Ralph H.
Livak, John E.: *See*—
Britton, Edgar C., and Livak.
Long, Robert S., and C. E. Lewis, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Metallizable azo dyes containing a pyrazolone radical. 2,435,182, Jan. 27.
Luebbbers, Herman, assignee: *See*—
Pokorny, Stephen S.
Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Separation of mixtures of alkyl phenols through selective alkylation. 2,435,087, Jan. 27.
Lyon, George A., Allenhurst, N. J. Vehicle wheel cover. 2,434,940, Jan. 27.
Lyon, George A., Allenhurst, N. J. Vehicle wheel cover. 2,435,045, Jan. 27.
MacBride, Paul O., assignee: *See*—
Sherbrook, Victor A.
Machinefabriek Reineveld N. V., assignee: *See*—
Van Riel, Pieter.
Machlet, George A. F., Elizabeth, N. J. Electronic measuring and control apparatus. 2,434,941, Jan. 27.
Magee, Joseph W., Arlington, Va. Chemical testing device. 2,434,942, Jan. 27.
Market Forge Company, assignee: *See*—
Jeffery, Richard E.
Marsh, Florence E., assignee, et al.: *See*—
Marsh, John W.

Marsh, John W., assignor of one-fourth to F. E. Marsh, one-fourth to M. Marsh, and one-fourth to M. Marsh, all of Alexandria, Va. Resilient end buffer for railway cars and locomotives. 2,434,943, Jan. 27.
Marsh, John W., assignor of one-fourth to F. E. Marsh, one-fourth to M. Marsh, and one-fourth to M. Marsh, all of Alexandria, Va. Buffer for railway cars. 2,434,944, Jan. 27.
Marsh, Marianne, assignee, et al.: *See*—
Marsh, John W.
Marsh, Mary, assignee, et al.: *See*—
Marsh, John W.
Marshall, Henry H., Garden City, N. Y., assignor, by mesne assignments, to Pabst Brewing Company, Chicago, Ill. Bottle carrier. 2,435,178, Jan. 27.
Martin, James, Ferndale, assignor to Michigan Tool Company, Detroit, Mich. Relieving machine. 2,435,046, Jan. 27.
Mason, Anders, Springfield, Mass. Bait casting device. 2,435,011, Jan. 27.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direction finding instrument. 2,434,945, Jan. 27.
Mazzella, Antonio, New Haven, Conn. Producing hoisting slings. 2,435,088, Jan. 27.
McCartney, Edward R., Altadena, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas purification and dehydration process. 2,435,089, Jan. 27.
McClellan, Stephen A., Glen Cove, assignor to Specialties, Inc., Locust Valley, N. Y. Erector system for gyroscopes. 2,435,090, Jan. 27.
McGovern, Albert C., assignor to Multiscope, Inc., Coffeyville, Kans. Oil well pump. 2,435,179, Jan. 27.
McGregor, Bob R., Verona, and E. L. Warrick, Pittsburgh, assignors to Corning Glass Works, Corning, N. Y. Organic-silicon polymers and preparing them. 2,435,147, Jan. 27.
McGregor, Bob R., Verona, and E. L. Warrick, Pittsburgh, assignors to Corning Glass Works, Corning, N. Y. Chlorinated dimethyl silicone polymers. 2,435,148, Jan. 27.
McKee, Thomas, Glendale, Calif. Decorated cake. 2,435,047, Jan. 27.
McKim, Burton, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tone supply test circuit. 2,434,946, Jan. 27.
McPherson, Harry L., assignor of one-fourth to J. H. Weatherford, and one-fourth to H. Weatherford, Memphis, Tenn. Antigrain-loop brake. 2,435,048, Jan. 27.
Meszaros, George W., New York, N. Y., and D. E. Trucksess, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated rectifier. 2,434,947, Jan. 27.
Metals & Control Corporation, assignee: *See*—
Bolesky, John D., and Buell.
Durst, George.
Metropolitan-Vickers Electrical Company, Limited, assignee: *See*—
Burch, Cecil R.
Meyer, Harry A., assignor to American Blower Corporation, Detroit, Mich. Inlet vane control apparatus using levers. 2,435,091, Jan. 27.
Meyer, Harry A., assignor to American Blower Corporation, Detroit, Mich. Inlet vane control apparatus with vanes set at an angle. 2,435,092, Jan. 27.
Michaelson, Walter E.: *See*—
Heidbrink, Jay A., Michaelson, and Hay.
Michigan Tool Company, assignee: *See*—
Martin, James.
Micuta, George R., Bridgeport, Conn. Nut lock. 2,435,012, Jan. 27.
Miescher, Karl, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. 3-Thioethers of androstene-3-one-17-ols and making same. 2,435,013, Jan. 27.
Military Chemical Works, Inc., The, assignee: *See*—
Biggs, James D.
Miller, Horace G., Belleville, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Impulse actuated electromagnetic relay with time delay. 2,434,948, Jan. 27.
Milwhite Co., Inc., The, assignee: *See*—
Knauth, Walter T.
Miner, W. H., Inc., assignee: *See*—
Forssell, Eric G.
Minges, Leland E., Visalia, Calif. Siphon pipe. 2,435,049, Jan. 27.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Carlton, Richard P., and Brinker.
Mitchell, Isaac A., Neponsit, Long Island, N. Y. Educational toy. 2,435,149, Jan. 27.
Mitschlich, Melville F., St. Louis, Mo. Electrical insulation. 2,435,093, Jan. 27.
Monks, Frank E., assignor to Fuller Label & Box Company, Pittsburgh, Pa. Aerial delivery mechanism. 2,435,150, Jan. 27.
Montgomery, Charles W.: *See*—
Gilbert, William I., and Montgomery.
Morgan, Arthur E., assignee, et al.: *See*—
Bean, Morris.

Morgan, Clyde W., Atlanta, Ga. Automobile refreshment tray. 2,435,151, Jan. 27.
Morris, Rupert C.: *See*—
Evans, Theodore W., Morris, and Shokal.
Morse, Andrews, Co., assignee: *See*—
Morse, William J.
Morse, William J., Attleboro, Mass., assignor to Morse Andrews Co. Key ring construction. 2,435,152, Jan. 27.
Moser, Frank T., Hartford, Conn. Packaged sundae. 2,435,094, Jan. 27.
Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,434,949, Jan. 27.
Multiscope, Inc., assignee: *See*—
McGovern, Albert C.
Myrick, Travis M., Hattiesburg, Miss. Open pan evaporator. 2,435,153, Jan. 27.
Nardone, Romeo M., Westwood, assignor to Bendix Aviation Corporation, Bendix, N. J. Drive. 2,435,050, Jan. 27.
Nashua Gummed and Coated Paper Company, assignee: *See*—
Gautier, Trevor R., and Holt.
Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Zisman, William A., and Baker.
Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Air supply arrangement for hot-air power plant furnaces. 2,434,950, Jan. 27.
Netting, Ralph B., Grosse Pointe, Mich. Lighting equipment. 2,434,951, Jan. 27.
Nichols, Harry J., New York, N. Y. Projectile. 2,435,005, Jan. 27.
Nickel, Willard T.: *See*—
Gardner, Arthur W., and Nickel.
Niederl, Joseph B., Brooklyn, N. Y. Halogenated condensation products. 2,435,014, Jan. 27.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Container positioning mechanism for filling machines. 2,434,952, Jan. 27.
O'Brien, John C.: *See*—
Knapp, James W., and O'Brien.
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Automatic poultry waterer. 2,435,015, Jan. 27.
Omega Machine Company, assignee: *See*—
Harper, Lynous E.
Osborne, Harry E., Shillington, Pa., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of open-toe shoes. 2,435,051, Jan. 27.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass cutting apparatus. 2,435,154, Jan. 27.
Pabst Brewing Company, assignee: *See*—
Marshall, Henry H.
Pacific Mills, assignee: *See*—
Piron, Fernand.
Palmer, F. D., Inc., assignee: *See*—
Palmer, Frank D.
Palmer, Frank D., assignor to F. D. Palmer, Inc., Chicago, Ill. Paper bottle. 2,435,155, Jan. 27.
Palnut Company, The, assignee: *See*—
Hotchkiss, James R.
Paramount Industries, Inc., assignee: *See*—
Sobel, Alfonso D.
Parrett, Frank, Arapaho, Okla. Apparatus and method for molding circular concrete tanks. 2,435,052, Jan. 27.
Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Lower alkylpolysiloxaneborates and their production. 2,434,953, Jan. 27.
Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Abrasive cutoff machine. 2,435,156, Jan. 27.
Penn Electric Switch Co., assignee: *See*—
Penn, Ralph.
Penn, Ralph, assignor to Penn Electric Switch Co., Goshen, Ind. Switch structure. 2,434,954, Jan. 27.
Permanente Metals Corporation, The, assignee: *See*—
Woodard, Teynham, Vettel, and Scandrett.
Perry, Richard G.: *See*—
Dreyfus, Henry, Flinlayson, and Perry.
Peterson, John A., Los Angeles, Calif. Container. 2,435,096, Jan. 27.
Pezzella, Elizabeth, assignor to F. Pezzella, Philadelphia, Pa. Drapery hanger. 2,435,183, Jan. 27.
Pezzella, Filomeno, assignee: *See*—
Pezzella, Elizabeth.
Philco Corporation, assignee: *See*—
Rundell, Theodore W.
Phillips, George R., Birmingham, Ala. Educational device. 2,435,097, Jan. 27.
Phillips Petroleum Company, assignee: *See*—
Hachmuth, Karl H.
Piccardo, Jack E., and L. D., Oakland, Calif., assignors to Shasta Pump Company. Valve and air charger for pump-storage systems. 2,435,053, Jan. 27.
Piccardo, Lino D.: *See*—
Piccardo, Jack E., and L. D.
Pickles, Sidney B., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Modulating system. 2,434,955, Jan. 27.

Piron, Fernand, North Andover, assignor to Pacific Mills, Lawrence, Mass. Drawing mechanism for textile fibres. 2,435,157, Jan. 27.

Pitts, Charles A., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Multiple stage cementing. 2,435,016, Jan. 27.

Pittsburgh Plate Glass Company, assignee: See—Owen, William.

Pokorny, Stephen S., Rutland, assignor of one-half to H. Luebbers, Fort Dodge, Iowa. Material moving mechanism. 2,435,098, Jan. 27.

Pratt, Verneur E., and G. F. Gray, Norwalk, Conn.; said Gray assignor to said Pratt. Document camera and printer. 2,435,099, Jan. 27.

Premier Crystal Laboratories, Inc., assignee: See—Bach, Henry M.

Prentiss, Spencer S., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Liquid oxygen "walkaround" unit. 2,434,956, Jan. 27.

Pressley, Everett L., Aledo, Ill. Power check planter. 2,435,054, Jan. 27.

Produits Chimiques de Ribecourt, assignee et al.: See—Lalande, André.

Quarles, Donald A., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic indicator for directional receivers. 2,434,957, Jan. 27.

Quinn, David H., U. S. Navy. Water purifier. 2,434,958, Jan. 27.

Radio Corporation of America, assignee: See—Koch, Winfield R.

Wachs, Theodore, and Shutt.

Rarick, Morgan J., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn-transfer mechanism. 2,434,964, Jan. 27.

Rasmussen, Minnie V., Los Angeles, Calif. Face and ear shield. 2,435,100, Jan. 27.

Read, Davis, Jr., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion process. 2,435,158, Jan. 27.

Red Spot Paint & Varnish Company, Inc., assignee: See—Bourland, Harry B.

Rehm, Gustav A., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generator. 2,435,055, Jan. 27.

Reich, Henry M., Pittsburgh, Pa. Internal-combustion engine heater. 2,435,101, Jan. 27.

Reichstein, Tadeus, Basel, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Manufacture of saturated and unsaturated compounds of the etio-cholanic acid series and substitution products thereof. 2,435,017, Jan. 27.

Reising, Eugene G., Hartford, Conn. Sear and bolt mechanism for single-shot firearms. 2,435,184, Jan. 27.

Reynolds, Milton, Chicago, Ill. Fountain pen. 2,435,185, Jan. 27.

Richard, Charles D., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter for interstate telephone communication. 2,434,959, Jan. 27.

Richards, Edward A., London, W. C. 2, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Metal rectifier. 2,434,960, Jan. 27.

Ridley, Baldwin W., Valley Stream, N. Y. Device to test synchro circuit and synchro equipment. 2,434,961, Jan. 27.

Riley Stoker Corporation, assignee: See—Rehm, Gustav A.

Robinson, Duncan D.: See—Holland, John D., and Robinson.

Rockwood & Co., assignee: See—Burbank, Henry R., and Zenlea.

Romanow, Frank F.: See—Black, Robert, Jr.

Ross, John, Ramsey, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Stabilizing fatty materials containing oleic acid and higher polyunsaturated fatty acids. 2,435,159, Jan. 27.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Direct-acting hydraulic shock absorber. 2,435,160, Jan. 27.

Rostas, Ernest, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the cavity resonator type. 2,434,962, Jan. 27.

Rounce, Ernest G.: See—Lewis, Thomas M., Rounce, and Dunham.

Rundell, Theodore W., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Removable secondary cooling unit for refrigerator evaporators. 2,435,102, Jan. 27.

Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Production of unsaturated aldehydes. 2,435,018, Jan. 27.

Scandrett, Henry F.: See—Woodard, Teynham, Vettel, and Scandrett.

Scarborough, William E.: See—Kinyon, Allen L., and Scarborough.

Schmidt, Edgar H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn-transfer mechanism. 2,434,963, Jan. 27.

Schomer, Harold A., Beltsville, Md., and C. L. Hamner, Geneva, N. Y., assignors to United States of America as represented by the Secretary of Agriculture. Applying plant response substances. 2,435,056, Jan. 27.

Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Photoflash synchronizing mechanism. 2,435,161, Jan. 27.

Scott, Jared P., Bellingham, Wash. Trailer hitch. 2,435,019, Jan. 27.

Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Valve for use with air blast circuit breaker. 2,435,162, Jan. 27.

Scranton, Charles J., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Thresher with adjustable speed cylinder drive. 2,435,020, Jan. 27.

Scully, Charles T.: See—Chatterjea, Prafulla K., and Scully.

Seider, Anthony F., Chicago, Ill. Front and rear wheel driven motor vehicle. 2,435,021, Jan. 27.

Shasta Pump Company, assignee: See—Piccardo, Jack E.

Shell Development Company, assignee: See—Bollinger, Loren C.

Evans, Theodore W., Morris, and Shokal.

Hearne, George W., and La France.

Luten, Daniel B., Jr., and De Benedictis.

Shepherd, Ronald B., assignor to Standard Telephones and Cables Limited, London, England. Time modulation pulse system. 2,434,965, Jan. 27.

Sherbrook, Victor A., East Millbury, assignor to P. O. MacBride, Waban, Mass. Forming sewing ribs for welt-type insoles. 2,435,163, Jan. 27.

Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Dehydration of liquids. 2,434,966, Jan. 27.

Shokal, Edward C.: See—Evans, Theodore W., Morris, and Shokal.

Shreve, Clifford B., assignor to Tyler Fixture Corporation, Niles, Mich. Cabinet with combined cover and swingable mirror. 2,435,103, Jan. 27.

Shutt, James M.: See—Wachs, Theodore, and Shutt.

Siemens Brothers & Co. Limited, assignee: See—Christian, David A.

Skinker, Murray F., Montclair, N. J., I. P. Denysen, Lansdowne, Pa., and M. G. Kolmes, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier and making the same. 2,434,967, Jan. 27.

Smith, Beatrice I., Olmstead Falls, Ohio. Baby harness. 2,434,968, Jan. 27.

Snider, Carl J., Brooklyn, N. Y. Spark plug tester. 2,434,969, Jan. 27.

Sobel, Alfonse D., Brooklyn, assignor to Paramount Industries, Inc., New York, N. Y. Fluorescent hand lamp. 2,435,164, Jan. 27.

Sodergreen, Axel L.: See—Huppke, Walter F., and Sodergreen.

Solar Corporation, assignee: See—Feldtkeller, Carl L.

Solomon, Joseph H., Columbia, Pa. Napkin holder. 2,435,104, Jan. 27.

Solomon, Joseph H., Columbia, Pa. Waste receptacle. 2,435,105, Jan. 27.

Specialties, Inc., assignee: See—McClellan, Stephen A.

Sperry Gyroscope Company, Inc., assignee: See—Ayres, Waldemar A.

Haxby, Robert O.

Standard Telephones and Cables Limited, assignee: See—Ambrose, Dermot M.

Chatterjea, Prafulla K., and Houghton.

Earp, Charles W.

Shepherd, Ronald B.

Stearns, Edwin I., Jr.: See—Buc, George L., and Stearns.

Stelmack, Stanley F., Philadelphia, Pa. Trouble light for automobiles. 2,435,165, Jan. 27.

Stephenson, William B., Fond du Lac, Wis. Draft control. 2,435,166, Jan. 27.

Stetson, Robert S., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Protective device. 2,435,167, Jan. 27.

Stillwell, William E., Jr., Cincinnati, Ohio. Traffic direction indicator. 2,435,106, Jan. 27.

Suggs, Dalton B., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane engine nacelle. 2,435,168, Jan. 27.

Summerbell, William, Washington, D. C. Breech operating mechanism. 2,434,970, Jan. 27.

Sutton, Otis B., assignor to The Hoover Company, North Canton, Ohio. Two temperature intermittent type absorption refrigerator. 2,435,107, Jan. 27.

Tecumseh Refrigeration Sales and Engineering Company: See—Touborg, Jens.

Telefonaktiebolaget L. M. Ericsson, assignee: See—Blomberg, Knut H.

Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Pressure regulating valve. 2,435,057, Jan. 27.

Thayer Company, assignee: See—Troendle, William C.

Thibodeau, Wilfred E., Cleveland, Ohio. Fuse. 2,434,971, Jan. 27.

Thomas, Bertha E., Warren, Pa. Flexible coupling. 2,435,058, Jan. 27.

Thompson, John G., assignor to Arter Grinding Machine Company, Worcester, Mass. Grinding machine. 2,435,059, Jan. 27.

Thomson, Peter, Wilmington, Del. Scaffold support. 2,435,060, Jan. 27.

Thonet Brothers, Inc., assignee: See—Weill, Bruno R.

Touborg, Jens, assignor to Tecumseh Refrigeration Sales and Engineering Company, Tecumseh, Mich. Refrigeration compressor. 2,435,108, Jan. 27.

Trexler, William H., Ravenna, Ohio. Pneumatic tire for model aeroplanes and the like. 2,435,186, Jan. 27.

Troendle, William C., assignor to Thayer Company, Gardner, Mass. Baby walker. 2,435,022, Jan. 27.

Trucksess, David E.: See—Meszards, George W., and Trucksess.

Turkat, Meyer, Brooklyn, N. Y. Radio transceiver. 2,435,061, Jan. 27.

Tyler Fixture Corporation, assignee: See—Shreve, Clifford B.

Union Carbide and Carbon Corporation, assignee: See—Babcock, Roger S.

Union Oil Company of California, assignee: See—Bradley, William E.

United Aircraft Corporation, assignee: See—Buck, Richard S., and Kalitinsky.

United Shoe Machinery Corporation, assignee: See—Osborne, Harry E.

Universal Fittings & Scaffolding Company, assignee: See—Weisz, Daniel I.

Universal Oil Products Company, assignee: See—Read, Davis, Jr.

Van Riel, Pieter, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands. Heating means for centrifugal baskets. 2,435,023, Jan. 27.

Vettel, Arthur W.: See—Woodard, Teynham, Vettel, and Scandrett.

Vick, Fred A., Greenbelt, Md., assignor to the United States of America, as represented by the Secretary of War. Recoil operated device for opening and closing a breechblock mechanism. 2,434,972, Jan. 27.

Von Meyenburg, Harald: See—Hartmann, Max, and von Meyenburg.

Vorsanger, Fritz, Englewood, N. J. Antislip device for footwear. 2,435,169, Jan. 27.

Wachs, Theodore, Bala-Cynwyd, Pa., and J. M. Shutt, Haddonfield, N. J., assignors to Radio Corporation of America. Apparatus for molding plastic articles. 2,435,170, Jan. 27.

Wadkins, Bert M., North Muskegon, Mich. Sheet metal curtain rod. 2,435,109, Jan. 27.

Wagner, Carl J., Detroit, Mich. Trailer hitch. 2,435,024, Jan. 27.

Wagner, Frederick A., Oakland, Calif. Hydrostatic feed. 2,435,110, Jan. 27.

Wahl, Albert G., Los Angeles, Calif. Garment hanger. 2,435,111, Jan. 27.

Walsh, Philip J., assignor to Agency Electric Co., San Francisco, Calif. Rectifier system. 2,435,062, Jan. 27.

War, United States of America, as represented by the Secretary of: See—Fry, Glenn A.

Kltzerow, Donald J.

Lindsay, Harold W.

Prentiss, Spencer S.

Vick, Fred A.

Warrick, Earl L.: See—McGregor, R. R., and Warrick.

Watts, Chester B., Jr.: See—Alford, Andrew.

Weatherford, Heiskell, assignee, et al.: See—McPherson, Harry L.

Weatherford, J. H., assignee, et al.: See—McPherson, Harry L.

Weaver, Burr S., Scotia, N. Y., assignor to General Electric Company. Stand-by control system. 2,435,063, Jan. 27.

Weill, Bruno R., Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y. Chair. 2,435,064, Jan. 27.

Weisz, Daniel I., assignor to Universal Fittings & Scaffolding Company, Zellenople, Pa. Scaffold. 2,435,171, Jan. 27.

West Disinfecting Company, assignee: See—Huppke, Walter F., and Sodergreen.

Westinghouse Electric Corporation, assignee: See—Kroon, Reinout P.

Whitmore, John M.: See—Burns, John R., and Whitmore.

Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Coupling. 2,435,112, Jan. 27.

Williams, Ralph M., Wellington, Kans. Eraser with magnetic supporting means. 2,434,973, Jan. 27.

Woerner, Herbert R., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Floor and wall covering. 2,434,974, Jan. 27.

Wolgen Company, The, assignee: See—Koci, Jerry C.

Woodling, George V., Cleveland, Ohio. Tube coupling sleeve. 2,434,975, Jan. 27.

Woodward, Teynham, Del Monte, A. W. Vettel, Watsonville, and H. F. Scandrett, Oakland, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation. Apparatus for effecting heat exchange between a gas and a liquid. 2,434,976, Jan. 27.

Worrall, Robert H., Washington, D. C. Radio direction finder. 2,434,977, Jan. 27.

Yale & Towne Manufacturing Company, The, assignee: See—Ledin, Charles.

Young Radiator Company, assignee: See—Christensen, Donald W.

Young, William G., Chicago, Ill., assignor to Chicago Fire Brick Company. Stack for furnaces. 2,435,172, Jan. 27.

Zempel, Edward A., Milwaukee, Wis. Boring bar. 2,435,065, Jan. 27.

Zenlea, Benjamin J.: See—Burbank, Henry R., and Zenlea.

Zisman, William A., Washington, D. C., and H. R. Baker, Mount Rainier, Md., assignors to United States of America, as represented by the Secretary of the Navy. Anticorrosion additives for synthetic lubricants. 2,434,978, Jan. 27.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Fuel mixture control. W. F. Stanton. 22,968, Jan. 27.
Transmission, Automatic. H. Nutt and R. L. Smirl. 22,967, Jan. 27.

LIST OF DESIGN INVENTIONS

Billfold. J. P. Reis. 148,483, Jan. 27.
Brooch. J. Ciccerchia. 148,486, Jan. 27.
Brooch or similar article. A. Katz. 148,471, Jan. 27.
Building. J. L. Gordon. 148,466, Jan. 27.
Case and lipstick holder, Combined vanity. L. Medgyes. 148,478, Jan. 27.
Chair, Child's. H. C. Debo. 148,462, Jan. 27.
Chair, Corner. R. Young. 148,511, Jan. 27.
Chair, Tubular. H. J. Vetter. 148,504, Jan. 27.
Charm or similar article. D. Gordon. 148,465, Jan. 27.
Clasp for handbag frame or the like. R. T. Sporman. 148,489-95, Jan. 27.
Clip, Hair. B. D'Alberto. 148,461, Jan. 27.
Communion set, Dual cross. D. Goudreau. 148,467, Jan. 27.
Container for pens and pencils. V. Civita. 148,457, Jan. 27.
Crate and carrier, Molded bottle. McC. Shank. 148,488, Jan. 27.
Decoy, Molded pulp. R. T. Williams. 148,507-8, Jan. 27.
Deflector for infant's toilet seat. S. G. Zuckerman. 148,512, Jan. 27.
Dispenser, Beverage. P. M. Fuller. 148,463, Jan. 27.
Dispenser set, Condiment. W. E. Ballard. 148,452, Jan. 27.
Dispenser, Toilet tissue. B. C. Roche. 148,484, Jan. 27.
Dispensing head or the like. F. P. Pla. 148,482, Jan. 27.
Dress. J. Walker. 148,505, Jan. 27.
Earring or similar article. A. Katz. 148,472, Jan. 27.
Earring or similar article. H. Zweig. 148,513, Jan. 27.
Fabric or similar article, Textile. H. W. Lewine. 148,475-7, Jan. 27.
Fastener setting device, Flier type. R. E. Peterson. 148,481, Jan. 27.
Handbag or similar article. F. Kuhlman. 148,474, Jan. 27.

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Handle or the like, Door. H. I. Strnard and W. J. Myers. 148,497, Jan. 27.
Holder and carver's aid, Meat. P. Betten and M. Lehrhaupt. 148,453, Jan. 27.
Jack, Hydraulic bumper. H. W. Darr. 148,460, Jan. 27.
Jar and dispensing cover, Combined. M. S. Wright. 148,509, Jan. 27.
Keyboard for calculating machines or similar articles. H. L. Clary and R. E. Boyden. 148,458, Jan. 27.
Manicure implement. G. Scoulos. 148,487, Jan. 27.
Opener, Can. A. M. Travis. 148,498-502, Jan. 27.
Ornament for handbags or the like. F. X. Hiltbrand. 148,468, Jan. 27.
Pipe, Smoking. M. Van Dirsten and B. A. and H. L. Bassett. 148,503, Jan. 27.
Plate or the like. C. C. Yee. 148,510, Jan. 27.
Plug or similar article, Electric connector. W. H. Cook. 148,459, Jan. 27.
Projector, Motion picture. L. H. Moomaw. 148,480, Jan. 27.
Rack, Catalogue. E. P. Krag. 148,473, Jan. 27.
Saw, Portable motor-driven. P. Schilcknecht. 148,486, Jan. 27.
Screen, Vignetter. R. B. Johns. 148,470, Jan. 27.
Shelf unit, Portable. M. M. and L. K. Miller. 148,479, Jan. 27.
Shoe or similar article, Sport. M. P. Arnoff. 148,451, Jan. 27.
Stand and memorandum pad holder, Combined telephone. O. D. Goldman. 148,464, Jan. 27.
Stand or similar article, Stenographers' notebook. M. Biech and W. B. Axelrod. 148,455, Jan. 27.
Stand, Reservoir desk. G. J. Staab. 148,496, Jan. 27.
Switch and rheostat, Combined electric. R. R. Hutcheson. 148,469, Jan. 27.
Switch volume control. H. N. Rowe. 148,485, Jan. 27.
Table, Luncheon. D. H. Weinberg. 148,506, Jan. 27.
Tile, Ceramic table. H. G. Blakeslee. 148,454, Jan. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive cutoff machine. R. B. Pealer. 2,435,156, Jan. 27.
Additives for synthetic lubricants, Anticorrosion. W. A. Zisman and H. R. Baker. 2,434,978, Jan. 27.
Adjustable lamp. H. E. Bremer. 2,434,986, Jan. 27.
Aerial delivery mechanism. F. E. Monks. 2,435,150, Jan. 27.
Airplane engine and propeller pitch control. A. W. Gardiner and W. T. Nickel. 2,435,037, Jan. 27.
Airplane engine nacelle. D. B. Suggs. 2,435,168, Jan. 27.
Air supply arrangement for hot-air power plant furnaces. F. Nettel and J. Kreitner. 2,434,950, Jan. 27.
Alcohols, Rearrangement of unsaturated aliphatic. G. W. Hearne and D. S. La France. 2,435,078, Jan. 27.
Aldehydes, Production of unsaturated. L. Ruzicka. 2,435,018, Jan. 27.
Alkyl phenols through selective alkylation, Separation of mixtures of. D. B. Luten, Jr., and A. De Benedicis. 2,435,087, Jan. 27.
Alkylpolyloxaneborates and their production, Lower. W. I. Patnode. 2,434,953, Jan. 27.
Alkylation process. W. E. Bradley. 2,435,028, Jan. 27.
Amides with cyclic sulfones. T. W. Evans, R. C. Morris, and E. C. Shokal. 2,435,071, Jan. 27.
Ammonium salts, Formation of concentrated solutions of. J. D. Biggs. 2,434,899, Jan. 27.
Amplifier, Thermionic. P. K. Chatterjee and C. T. Scully. 2,434,908, Jan. 27.
Annunciator, Meter reading. W. V. Barsh. 2,435,066, Jan. 27.
Antenna system for defining a blind approach path. L. J. Heaton-Armstrong. 2,434,927, Jan. 27.
Antenna system, Unidirectional. A. Alford and C. B. Watts, Jr. 2,434,893, Jan. 27.
Antifriction bearing mounting. R. M. Beatty. 2,435,067, Jan. 27.
Antiground-loop brake. H. L. McPherson. 2,435,048, Jan. 27.
Apparatus for converting pairs of time modulated pulses into pulses of variable duration. D. M. Ambrose. 2,434,894, Jan. 27.
Apparatus for effecting heat exchange between a gas and a liquid. T. Woodward. 2,434,976, Jan. 27.
Apparatus for grinding crystals and the like. H. M. Bach. 2,435,118, Jan. 27.
Apparatus for molding plastic articles. T. Wachs and J. M. Shutt. 2,435,170, Jan. 27.
Article dispensing device. W. S. Connell, P. F. Boettcher and C. M. Holmen. 2,435,177, Jan. 27.
Attachment for conveyors, Pusher. C. L. Feldtkeller. 2,435,072, Jan. 27.
Automatic poultry waterer. J. B. Olson. 2,435,015, Jan. 27.
Awning, Collapsible. J. T. Freeman. 2,435,073, Jan. 27.
Azo dyes containing a pyrazolone radical, Metallizable. R. S. Long. 2,435,182, Jan. 27.
Bait casting device. A. Mason. 2,435,011, Jan. 27.
Bar: See—
Boring bar.
Beam spectrophotometer for the measurement of bronze, Flickering. G. L. Buc and E. I. Stearns, Jr. 2,435,175-6, Jan. 27.
Bin construction, Display. H. B. Bourland. 2,434,985, Jan. 27.
Blow pipe for thermochemically removing surfaces of metal bodies, Post-mixed. R. S. Babcock. 2,435,117, Jan. 27.
Boring bar. E. A. Zempel. 2,435,065, Jan. 27.
Bottle carrier. H. H. Marshall. 2,435,178, Jan. 27.
Bottle, Paper. F. D. Palmer. 2,435,155, Jan. 27.
Brace, Tubular elastic. F. D. Johnson. 2,435,007, Jan. 27.
Brake: See—
Antiground-loop brake.
Breathing indicator. H. W. Lindsay. 2,435,181, Jan. 27.
Breech operating mechanism. W. Summerbell. 2,434,970, Jan. 27.
Brush scraping attachment for cans. R. O. Ferguson. 2,435,036, Jan. 27.
Buffer for railway cars. J. W. Marsh. 2,434,944, Jan. 27.
Bus ducts for electrical distribution system. F. B. Adam. 2,435,113, Jan. 27.
Cabinet with combined cover and swingable mirror. C. B. Shreve. 2,435,103, Jan. 27.
Cable greasing device. H. E. Baker. 2,435,120, Jan. 27.
Cake, Decorated. T. McKee. 2,435,047, Jan. 27.
Calculator, Graphic. F. Durand. 2,435,133, Jan. 27.
Calendar with automatic day indication, Perpetual. J. F. Botham. 2,435,069, Jan. 27.
Camera and printer, Document. V. E. Pratt and G. F. Gray. 2,435,099, Jan. 27.
Capping machine. J. W. Cameron. 2,435,127, Jan. 27.
Carrier: See—
Bottle carrier.
Folding basket carrier.
Cartridge blasting. F. H. Armstrong. 2,435,116, Jan. 27.
Casting light metals. M. Bean. 2,435,121, Jan. 27.
Catalytic dealkylation of alkyl aromatic compounds. W. I. Gilbert and C. W. Montgomery. 2,435,038, Jan. 27.
Cathead with replaceable sleeve. R. Lack. 2,435,086, Jan. 27.
Cementing, Multiple stage. C. A. Pitts. 2,435,016, Jan. 27.
Centrifugal impeller. W. Ayers. 2,434,896, Jan. 27.
Chair. B. R. Weill. 2,435,064, Jan. 27.
Chemical testing device. J. W. Magee. 2,434,942, Jan. 27.
Chocolate coated edibles. H. R. Burbank and B. J. Zenlea. 2,434,987, Jan. 27.
Circuit: See—
Temperature indicator con- Tone supply test circuit.
Circuit breaker. F. Adam and F. S. Green. 2,435,114, Jan. 27.
Circuit breaker. W. L. Carlson. 2,435,128, Jan. 27.
Circuit interrupter, High-voltage. R. H. Earle. 2,434,994, Jan. 27.
Circuit maker and breaker. A. M. Curtis. 2,434,909, Jan. 27.
Circuits, Radio receiver. J. D. Holland and D. D. Robinson. 2,434,929, Jan. 27.
Circuits, Thermionic valve. M. M. Levy. 2,434,939, Jan. 27.
Clamp: See—
Fish scaling clamp.
Clasp. E. J. Bell. 2,435,174, Jan. 27.
Coat construction. J. Glusoff. 2,434,997, Jan. 27.
Collapsible shipping and display carton. L. W. Franck. 2,435,135, Jan. 27.
Combination illuminating and sterilizing lamp. M. M. Bilofsky. 2,434,980, Jan. 27.
Communication system, Continuously checked. J. W. Knapp and J. C. O'Brien. 2,435,010, Jan. 27.
Compounds of the etio-cholanic acid series and substitution products thereof, Manufacture of saturated and unsaturated. T. Reichstein. 2,435,017, Jan. 27.
Contacts for fluorescent starter switches, Fabricating. H. M. and G. H. Burt. 2,434,905, Jan. 27.
Container. J. A. Peterson. 2,435,096, Jan. 27.
Container positioning mechanism for filling machines. R. E. J. Nordquist. 2,434,952, Jan. 27.
Control apparatus using levers, Inlet vane. H. A. Meyer. 2,435,091, Jan. 27.
Control apparatus with vanes set at an angle, Inlet vane. H. A. Meyer. 2,435,092, Jan. 27.
Control system, Stand-by. B. S. Weaver. 2,435,063, Jan. 27.
Cooler: See—
Liquid cooler.
Cooling unit for refrigerator evaporators, Removable secondary. T. W. Rundell. 2,435,102, Jan. 27.
Couplers for color photography, Acetyl N-heterocyclic. A. Bavyly. 2,435,173, Jan. 27.
Coupling: See—
Flexible coupling.
Coupling. L. W. Wightman. 2,435,112, Jan. 27.
Coupling device. H. G. Howard. 2,435,081, Jan. 27.
Coupling means for relatively movable wave guides. R. O. Haxby. 2,434,925, Jan. 27.
Cover: See—
Vehicle wheel cover.
Covering, Floor and wall. H. R. Woerner. 2,434,974, Jan. 27.
Crusher with complementary double-curvature dress, Opposed roll. J. L. Latture. 2,434,938, Jan. 27.
Cryptographic attachment for typewriter keys. R. N. Cunningham. 2,435,130, Jan. 27.
Decoy. W. R. Johnson. 2,435,083, Jan. 27.
Detector, Transmission line flashover. A. L. Kinyon and W. E. Scarborough. 2,434,933, Jan. 27.
Detonation pickup. J. R. Burns and J. M. Whitmore. 2,435,031, Jan. 27.
Device for attaching gummed labels, Hand. M. Castel. 2,435,129, Jan. 27.
Device for cooling systems, Regulating. F. W. Hild. 2,435,041, Jan. 27.

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Device for footwear, Antislip. F. Vorsanger. 2,435,169, Jan. 27.
 Device for handling cakes of ice and delivering same in comminuted form. F. W. Brady. 2,435,030, Jan. 27.
 Device for opening and closing a breech block mechanism, Recoil operated. E. A. Vick. 2,434,972, Jan. 27.
 Device for measuring rate of fluid flow. H. Lehde and W. T. Lang. 2,435,043, Jan. 27.
 Device for transferring fluids. J. W. Campbell. 2,435,033, Jan. 27.
 Device to test synchro circuit and synchro equipment. B. W. Ridley. 2,434,961, Jan. 27.
 Die removing device. A. Bolduc. 2,434,983, Jan. 27.
 Digit registering means responsive to selective frequencies. H. M. Bascom and G. A. Hubbard. 2,434,898, Jan. 27.
 Dimethyl silicone polymers, Chlorinated. R. R. McGregor and E. L. Warrick. 2,435,148, Jan. 27.
 Direction finding instrument. W. P. Mason. 2,434,945, Jan. 27.
 Disk feeder having material scraper and material agitators. L. E. Harper. 2,435,039, Jan. 27.
 Dispenser: See—
 Gas dispenser. Tablet dispenser.
 Distillation of butadiene from methyl acetylene and higher-boiling hydrocarbons. K. Hachmuth. 2,434,923, Jan. 27.
 Divider and key container for bill folds, Bill. C. M. Campbell. 2,435,032, Jan. 27.
 Door for pressure compartments. R. E. Jeffery. 2,435,006, Jan. 27.
 Draft control. W. B. Stephenson. 2,435,166, Jan. 27.
 Drapery hanger. E. Pezzella. 2,435,183, Jan. 27.
 Drawing mechanism for textile fibres. F. Piron. 2,435,157, Jan. 27.
 Drive. R. M. Nardone. 2,435,050, Jan. 27.
 Driver, Long-shaft stud. K. B. Geertsema. 2,435,137, Jan. 27.
 Educational device. G. R. Phillips. 2,435,097, Jan. 27.
 Electrical contact. G. Durst. 2,434,992, Jan. 27.
 Electrical impulse sending device. G. Deakin. 2,434,910, Jan. 27.
 Electrical insulation. M. F. Mitschrich. 2,435,093, Jan. 27.
 Electrically actuated valve. C. I. Hall. 2,435,076, Jan. 27.
 Electron discharge device. M. Arditi. 2,434,895, Jan. 27.
 Electron discharge device of the cavity resonator type. E. Rostas. 2,434,962, Jan. 27.
 End buffer for railway cars and locomotives, Resilient. J. W. Marsh. 2,434,943, Jan. 27.
 Eraser with magnetic supporting means. R. M. Williams. 2,434,973, Jan. 27.
 Erector system for gyroscopes. S. A. McClellan. 2,435,090, Jan. 27.
 Evaporator, Open pan. T. M. Myrick. 2,435,153, Jan. 27.
 Excavator door mounting. W. S. Burdick. 2,434,902, Jan. 27.
 Fatty materials containing oleic acid and higher polyunsaturated fatty acids, Stabilizing. J. Ross. 2,435,159, Jan. 27.
 Fastener. E. W. Lehman. 2,435,146, Jan. 27.
 Fastening device. J. R. Hotchkiss. 2,435,079, Jan. 27.
 Fibrous products. H. Dreyfus, D. Finlayson, and R. G. Perry. 2,434,913, Jan. 27.
 Filter. S. Alsop. 2,435,115, Jan. 27.
 Filtering system, Selective. E. Labin and D. D. Grieg. 2,434,937, Jan. 27.
 Fish scaling clamp. G. M. Gould. 2,435,075, Jan. 27.
 Flame failure control apparatus. J. C. Hamilton. 2,434,924, Jan. 27.
 Flaws in tubular steel castings, Detecting. E. G. Forssell. 2,435,134, Jan. 27.
 Flexible coupling. B. E. Thomas. 2,435,058, Jan. 27.
 Fluid turbine combining impulse and reaction blading, Plural. J. E. Johansson. 2,435,042, Jan. 27.
 Fluorescent hand lamp. A. D. Sobel. 2,435,164, Jan. 27.
 Foam-reducing silicon-containing compound, Dispersing a. L. C. Bollinger. 2,435,124, Jan. 27.
 Folding basket carrier. S. N. Goldman. 2,434,998, Jan. 27.
 Fork, Hay. G. T. Baker. 2,435,119, Jan. 27.
 Formation of curved surfaces of prescribed figure by grinding and/or polishing. C. R. Burch. 2,435,126, Jan. 27.
 Front and rear wheel driven motor vehicle. A. F. Seider. 2,435,021, Jan. 27.
 Fuse. W. E. Thibodeau. 2,434,971, Jan. 27.
 Game, Amusement. J. C. Kocil. 2,435,141, Jan. 27.
 Garment hanger. J. S. Johnston. 2,435,084, Jan. 27.
 Garment hanger. A. G. Wahl. 2,435,111, Jan. 27.
 Gas dispenser. J. A. Heidbrink, W. E. Michaelson, and W. W. Hay. 2,435,040, Jan. 27.
 Gas purification and dehydration process. E. R. McCartney. 2,435,089, Jan. 27.
 Generator: See—
 Steam generator.
 Generator of periodically varying electric currents. P. K. Chatterjee and L. W. Houghton. 2,434,907, Jan. 27.
 Glass cutting apparatus. W. Owen. 2,435,154, Jan. 27.
 Grinding machine. J. G. Thompson. 2,435,059, Jan. 27.
 Gripping device for bed clothing. O. A. Huber. 2,435,082, Jan. 27.
 Halogenated condensation products. J. B. Niederl. 2,435,014, Jan. 27.

Hanger: See—
 Garment hanger.
 Harness, Baby. B. I. Smith. 2,434,968, Jan. 27.
 Heat exchange core and air duct. D. W. Christensen. 2,434,988, Jan. 27.
 Heater: See—
 Internal-combustion engine heater.
 Heating and spraying device. I. P. Denysen. 2,434,911, Jan. 27.
 Heating means for centrifugal baskets. P. van Riel. 2,435,023, Jan. 27.
 Helicopter rotor control. W. S. Hoover. 2,435,080, Jan. 27.
 High-speed searcher using gas discharged tubes. D. A. Christian. 2,434,989, Jan. 27.
 Hitch, Traller. J. P. Scott. 2,435,019, Jan. 27.
 Hitch, Traller. C. J. Wagner. 2,435,024, Jan. 27.
 Hoisting slings, Producing. A. Mazzella. 2,435,088, Jan. 27.
 Holder: See—
 Napkin holder.
 Hydraulic jack. J. J. Mueller. 2,434,949, Jan. 27.
 Hydrocarbon conversion process. D. Read, Jr. 2,435,158, Jan. 27.
 Hydrostatic feed. F. A. Wagner. 2,435,110, Jan. 27.
 Impregnating regenerated cellulose rope. H. Dreyfus, D. Finlayson, and R. G. Perry. 2,434,912, Jan. 27.
 Indicator: See—
 Breathing indicator. Traffic direction indicator.
 Indicator for directional receivers, Acoustic. D. A. Quarles. 2,434,957, Jan. 27.
 Internal-combustion engine heater. H. M. Reich. 2,435,101, Jan. 27.
 Ionic discharge coating, Method and apparatus for. J. B. Johnson. 2,434,930-1, Jan. 27.
 Isoparaffins with olefins, Alkylation of. W. E. Bradley. 2,435,029, Jan. 27.
 Jack: See—
 Hydraulic jack. Multiple contact jack.
 Key ring construction. W. J. Morse. 2,435,152, Jan. 27.
 Knitting, Number. V. W. Bellamy. 2,435,068, Jan. 27.
 Lamp: See—
 Adjustable lamp. Fluorescent hand lamp.
 Combination illuminating and sterilizing lamp.
 Latch. C. Ledlin. 2,435,180, Jan. 27.
 Light for automobiles, Trouble. S. F. Stelmack. 2,435,165, Jan. 27.
 Lighting equipment. R. B. Netting. 2,434,951, Jan. 27.
 Liquid cooler. E. F. Chisholm. 2,435,034, Jan. 27.
 Liquid inflating device for tires. J. C. Crowley. 2,434,991, Jan. 27.
 Liquid oxygen "walkaround" unit. S. S. Prentiss. 2,434,956, Jan. 27.
 Liquids, Dehydration of. V. W. Sherman. 2,434,966, Jan. 27.
 Load regulation of synchronous machines. R. Keller. 2,434,932, Jan. 27.
 Localizer radio antenna array. D. J. Kitzrow. 2,434,934, Jan. 27.
 Lock: See—
 Nut lock.
 Material moving mechanism. S. S. Pokorny. 2,435,098, Jan. 27.
 Measuring and control apparatus, Electronic. G. A. F. Machlet. 2,434,941, Jan. 27.
 Measuring device, Contrast. G. A. Fry. 2,435,074, Jan. 27.
 Mechanized restaurant. T. M. Lewis, E. G. Rounce, and C. G. H. F. Dunham. 2,435,044, Jan. 27.
 Modulating system. S. B. Pickles. 2,434,955, Jan. 27.
 Modulation system. E. Labin and D. D. Grieg. 2,434,936, Jan. 27.
 Modulator, Mechanical. M. Fuchs. 2,434,917, Jan. 27.
 Molding circular concrete tanks, Method and apparatus for. F. Parrett. 2,435,052, Jan. 27.
 Motor drive for centrifugal pumps. C. J. Bergh. 2,434,979, Jan. 27.
 Motors, Braking asynchronous. J. M. Girard. 2,434,919, Jan. 27.
 Mounting: See—
 Antifriction bearing mounting. Piezoelectric crystal mounting.
 Excavator door mounting.
 Multiple contact jack. A. J. Gardenhour. 2,435,136, Jan. 27.
 Napkin holder. J. H. Solomon. 2,435,104, Jan. 27.
 Nut lock. G. R. Micuta. 2,435,012, Jan. 27.
 Oil well pump. A. C. McGovney. 2,435,179, Jan. 27.
 Ointment, Skin protective. W. F. Huppke and A. L. Sodergreen. 2,435,005, Jan. 27.
 Organo-silicon polymers and preparing them. R. R. McGregor and E. L. Warrick. 2,435,147, Jan. 27.
 Oscilloscope, Frequency indicating cathode-ray. C. W. Earp. 2,434,914, Jan. 27.
 Para-aminobenzenesulfonamido-pyrimidines, Manufacture of. M. Hartmann and H. von Meyenburg. 2,435,002, Jan. 27.
 Pen, Fountain. L. J. Biro. 2,435,123, Jan. 27.
 Pen, Fountain. M. Reynolds. 2,435,185, Jan. 27.

Phase shifting arrangement. H. G. Busignies. 2,434,901, Jan. 27.
 Photoflash synchronizing mechanism. A. Schwarz. 2,435,161, Jan. 27.
 Piezoelectric crystal mounting. S. A. Bokovoy and H. W. N. Hawk. 2,434,903, Jan. 27.
 Pipe: See—
 Siphon pipe.
 Plant response substances, Applying. H. A. Schomer. 2,435,056, Jan. 27.
 Planter, Power check. E. L. Pressley. 2,435,054, Jan. 27.
 Pointer-controlled periodic circuit breaker. K. H. Blomberg. 2,435,027, Jan. 27.
 Polyhydroxy compound, Organic. J. E. Bludworth and D. P. Easter. 2,434,982, Jan. 27.
 Polyhydroxy compounds and derivatives, Organic. J. E. Bludworth and D. P. Easter. 2,434,981, Jan. 27.
 Polysulphides, Producing solid stabilized. A. Lalande. 2,435,145, Jan. 27.
 Pressure regulating valve. P. C. Temple. 2,435,057, Jan. 27.
 Projectile. H. J. Nichols. 2,435,095, Jan. 27.
 Protective device. R. S. Stetson. 2,435,167, Jan. 27.
 Proteins and products thereof, Plasticizing. R. P. Carlton and H. C. Brinker. 2,434,906, Jan. 27.
 Pulley aligner. G. E. Judd. 2,435,085, Jan. 27.
 Pulse amplitude selective system. D. D. Grieg. 2,434,921, Jan. 27.
 Pulse amplitude selector system. D. D. Grieg. 2,434,922, Jan. 27.
 Pulse generator system. D. D. Grieg. 2,434,920, Jan. 27.
 Pump: See—
 Oil well pump.
 Radio beacon system for bearing determination. C. W. Earp. 2,434,915, Jan. 27.
 Radio direction finder. R. H. Worrall. 2,434,977, Jan. 27.
 Radio transceiver. M. Turkat. 2,435,061, Jan. 27.
 Receptacle: See—
 Waste receptacle.
 Record filing device. M. B. Hall and S. K. Ketterman. 2,435,077, Jan. 27.
 Rectifier and making the same. M. F. Skinner, I. P. Denysen, and M. G. Kolmes. 2,434,967, Jan. 27.
 Rectifier, Metal. E. A. Richards. 2,434,960, Jan. 27.
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CLASSIFICATION OF PATENTS

ISSUED JANUARY 27, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

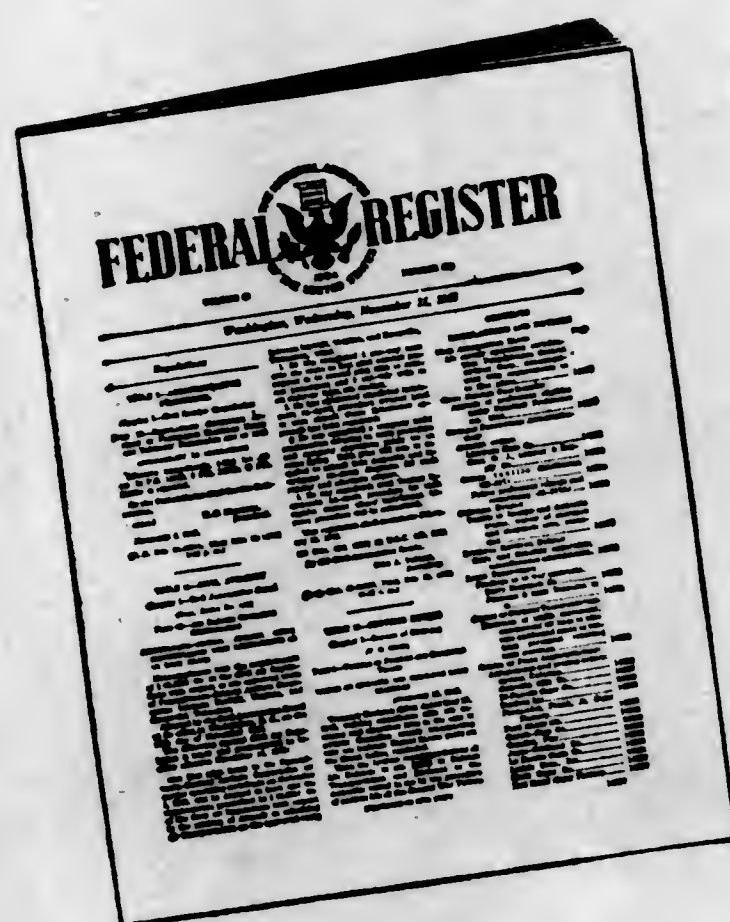
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4. BISHOP, WALTER C., Conveyors; Holsts; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Mar. 16	July 2	4,001
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters.....	Jan. 31	Feb. 12	2,363
6. SURLE, H., Carbon Chemistry (part).....	Oct. 26	Feb. 3	1,862
7. HANLIN, GEORGE, Optics; Photographic Apparatus.....	Mar. 26	Dec. 12	1,846
8. IMUS, A. E., Furniture; Racks and Cabinets.....	Apr. 25	Apr. 12	4,018
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.....	June 3	Mar. 20	2,422
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators; Piezo-electric Crystals.	Apr. 16	Dec. 28	872
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Oct. 5	Apr. 12	881
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	Dec. 12	June 12	1,000
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.....	Apr. 3	Mar. 9	2,472
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.....	Jan. 16	Oct. 21	1,201
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.....	July 24	Feb. 4	2,021
16. LOVEWELL, N. N., Telegraphy; Telephony.....	Apr. 7	Oct. 4	1,795
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	Aug. 28	May 9	1,791
18. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	Apr. 23	Mar. 25	1,005
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.....	July 11	July 17	1,007
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tests, Canopies, Umbrellas and Canes.	Mar. 22	June 10	2,127
21. MADEB, R. C., Textiles.....	Mar. 28	Jan. 2	1,104
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.....	July 3	May 27	1,003
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education.....	May 9	Mar. 28	1,328
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.....	Mar. 20	Mar. 18	1,576
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 17	June 3	1,750
26. YOUNG, R. R., Electricity—Generation and Motive Power.....	Jan. 4	Apr. 24	1,567
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Oct. 28	July 27	2,956
28. SOLYOM, H. L., Heating, Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Aug. 5	July 24	1,257
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Sept. 23	May 31	2,872
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidistats; Heating Systems; Ammunition and Explosive Devices.	Jan. 2	Aug. 1	2,413
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	Apr. 5	Mar. 12	2,083
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Walls; Earth Boring.	Apr. 6	Apr. 5	2,850
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.	Apr. 27	Mar. 21	3,454
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	June 20	Mar. 1	1,350
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 10	June 27	2,749
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.....	Apr. 5	Mar. 22	2,015
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.....	Apr. 2	Sept. 11	1,513
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber.....	Aug. 30	Aug. 19	1,721
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.....	Mar. 7	Jan. 31	2,850
40. DRUMMOND, E. J., Receptacles (part); Packages.....	Jan. 2	May 13	3,064
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	Mar. 13	Mar. 3	2,660
42. MARANS, H., Electric Signaling; Variable Transformer and Reactor Structure; Electricity, Voltage Magnitude and Phase Control Systems.	Mar. 15	Jan. 15	926
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	Apr. 21	Mar. 13	1,404
44. HARVEY, L. P., Refrigeration; Preserving.....	Mar. 7	Feb. 18	1,316
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	May 3	Mar. 18	2,837
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	Aug. 2	June 22	1,836

NOTE.—The dates given are 1946 except where † indicates 1947.

Condition of Applications Under Examination—Continued

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
(Total number of applications awaiting action, excluding Trade-Mark Division, 153,242; Trade-Mark Division, 28,388. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 8, 1946.)			
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes.....	Dec. 20	Oct. 1	1,996
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters.....	May 24	May 2	1,650
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.....	Oct. 16	June 12	1,669
50. LEVIN, SAMUEL, Synthetic Resins.....	†Feb. 6	Oct. 4	2,406
51. FRIEDMAN, M. H., Radiant Energy (part, e. g. Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.....	Dec. 27	July 15	1,954
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.....	Oct. 26	July 8	3,771
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manfolding; Printed Matter; Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.....	Apr. 26	Mar. 6	3,533
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.....	†Feb. 5	Oct. 23	1,980
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet.....	May 23	Apr. 5	1,832
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing.....	†Mar. 21	†Feb. 13	1,177
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.....	May 11	Apr. 17	3,535
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.....	Sept. 30	Aug. 7	1,405
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).....	May 23	Apr. 18	2,074
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.....	†Apr. 16	Sept. 17	1,510
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.....	July 3	Mar. 27	3,183
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors.....	Aug. 6	May 15	1,599
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.....	†Feb. 12	†Jan. 22	1,629
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous.....	†May 10	†May 10	1,838
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors.....	†Apr. 14	Oct. 21	1,246
66. LISANN, I., Geometrical Instruments.....	Feb. 23	Jan. 8	2,235
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation.....	July 13	May 2	2,139
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control.....	†Jan. 4	Aug. 22	1,627
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters.....	July 12	Apr. 22	1,111
TRADE-MARKS: MERCHANT, J. H.....	†July 5	†Aug. 4	28,388
DESIGNS: BREHM, G. L.....	June 21	†July 14	8,212

NOTE.—The dates given are 1946 except where † indicates 1947.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

EDGERTON

v.

KINGSLAND, COMMISSIONER OF PATENTS

No. 9361. Decided December 4, 1947. Petition for rehearing denied January 6, 1948

[— F.2d —; 75 USPQ 307]

1. PRACTICE—REJECTION—FAILURE TO APPEAL—RES JUDICATA.

Where claims were finally rejected by the Primary Examiner and that rejection was affirmed by the Board of Appeals, and no appeal from the rejection is taken to the Court of Customs and Patent Appeals or action under R. S. 4915 filed within the time allowed by law for such action after the decision by the Board, *Held* that appellant's right to the subject matter of these claims becomes res judicata against him.

2. SAME—SAME—SAME—SAME.

Upon the expiration of the six months' period provided for in the statute, the decision of the Board of Appeals against the appellant became res judicata in the Patent Office; also it became res judicata in the sense of being beyond attack, in the courts.

3. SAME—CLAIMS COPIED FROM A PATENT—DOUBTS AS TO BASIS RESOLVED AGAINST APPLICANT.

Where appellant copies a claim of a patent, which claim was refused by the Office as not supported by the original disclosure, *Held* that, since it is a copied claim the burden is on the appellant to show a clear basis for it in his disclosure and doubts as to his right to make it are to be resolved against him.

4. SAME—INCONSISTENT RULING IN OFFICE—NOT CONTROLLING.

Where appellant urges that the Patent Office has made rulings in other cases inconsistent with its present holding as to claim 222, *Held* that it is elementary that the allowance of claims in one case is not controlling in the consideration of the patentability of claims in another.

5. SAME—AMENDMENT TO SPECIFICATION RELATING TO CLAIMS REJECTED FOR RES JUDICATA—REFUSED.

The Patent Office was not required to allow amendments to the specification and drawings relating to claims whose rejection had become res judicata.

APPEAL from the District Court of the United States for the District of Columbia.

AFFIRMED.

Frank W. Dahn (David Rines and Joan Rines Needleman of counsel) for Edgerton.

W. W. Cochran (E. L. Reynolds of counsel) for the Commissioner of Patents.

Before STEPHENS, EDGERTON, and WILBUR K. MILLER, Associate Justices

STEPHENS, A. J.:

This is an appeal from a judgment of the District Court of the United States for the District of Columbia dismissing the complaint in Civil Action

No. 29,178 under Rev. Stat. § 4915 (1875), 35 U. S. C. § 63 (1940), in which the appellant sought judicial authorization of the allowance of a patent containing claims 74 and 76 to 81 inclusive and 222 of his application Serial No. 685,501 for a patent on an electric system for stroboscopic apparatus. The complaint sought also a determination that the appellant is entitled to make certain amendments to the specification and drawings of his application.

The system disclosed by the application is one in which repeated flashes of light for viewing moving objects are produced between two main electrodes of a mercury vapor tube. Current for the flashes is supplied by a battery and condenser. The flash occurs as the result of the passing of a current through an auxiliary electrode of the mercury vapor tube, this current so operating as to cause a spark to jump between the tube's two main electrodes. The current to the auxiliary electrode is supplied by the secondary coil of a transformer in such manner that the energization of the primary coil thereof will control the flash. The primary coil is supplied with current from a battery and condenser through a circuit which includes a so-called thyatron. This device releases and interrupts the flow of the current to the primary coil at intervals determinable in a variety of ways not material to this case.

We shall deal separately with claims 74 and 76 to 81 inclusive, claim 222, and the request for a determination that the appellant is entitled to make certain amendments.

Claims 74 and 76 to 81 inclusive: These claims are printed in the margin.¹ They are for convenience

¹"74. In combination with apparatus for producing electrical energy flashes of the type in which a condenser is periodically discharged through a gaseous conductor lamp, means for initiating discharge of the condenser at selected intervals consisting of a static inverter for producing electrical impulses at a controlled rate, said inverter comprising a gaseous discharge device connected in circuit with a source of potential and with means for varying the impulse rate comprising a variable impedance, and means for conveying such impulses to the flash producing apparatus.

"76. Apparatus of the type defined in claim 74 in which the gaseous discharge device is a gaseous conductor device having at least three electrodes of a type in which the maximum potential which can be established between two main electrodes without appreciable current flow therebetween may be controlled by controlling the potential between one of said main electrodes and a third electrode.

"77. Apparatus of the type defined in claim 74 in which the static inverter includes a second condenser arranged in series circuit with the gaseous discharge device and the source of potential.

"78. Apparatus of the type defined in claim 74 in which the static inverter includes a second condenser shunted across the gaseous discharge device.

"79. In combination with apparatus for producing electrical energy flashes of the type in which a condenser is periodically discharged through a gaseous conductor lamp, means for initiating discharge of the condenser at selected intervals consisting of a static inverter for pro-

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sometimes hereafter referred to as the static inverter claims. The record shows that the proceedings in the Patent Office pertinent to their disposition are as follows: The application for patent Serial No. 685,501 was filed August 16, 1933. The static inverter claims, not originally included in the application, were added by amendment. On June 11, 1937, the Patent Office declared Interference 74,402, *Edgerton v. Miller*, between the appellant's application and two Miller patents. On November 23, 1938, the Primary Examiner granted a motion by Miller to dissolve upon the ground that the appellant's application did not disclose a static inverter such as was described in the claims. The Board of Appeals on July 18, 1939, affirmed this ruling. On March 23, 1940, the Primary Examiner rejected the claims upon the same grounds as those upon which he had dissolved the interference. On December 23, 1940, he repeated this ruling and made it final. On August 1, 1941, the Board of Appeals affirmed this rejection. Thereafter within the time allowed by the rules of the Patent Office, the appellant filed a petition for rehearing. On September 16, 1941, this was denied by the Board of Appeals. No appeal under Rev. Stat. § 4911 (1875), 35 U. S. C. § 59a (1940), was taken to the Court of Customs and Patent Appeals. The complaint under Rev. Stat. § 4915 was not filed in the district court within six months after September 16, 1941.

At the time of the rejection of the static inverter claims other claims in the appellant's application had not yet been disposed of. Part of them were involved in an interference (78,041, *Edgerton v. Smede*) and final action as to the issue of a patent under the appellant's application did not occur until after the termination of that interference. On January 25, 1944, upon a further request for reconsideration, the Primary Examiner again rejected the static inverter claims, on this occasion upon the ground that their rejection in 1941, as above described, was final and had become res judicata in the Patent Office. On January 1, 1945, the Board of Appeals in making final disposition of the appellant's application as a whole affirmed the Primary Examiner's ruling of January 25, 1944. There were subsequent proceedings in the Patent Office in respect of the static inverter claims but they are not pertinent to the disposition of this case. For com-

pleteness, however, they are set forth in the margin.¹ The finally pertinent date is June 1, 1945, at which time the complaint involved in this appeal was filed.

[1] Upon the foregoing record the district court found that: "Claims 74 and 76 to 81 of the application here involved were finally rejected by the Primary Examiner on the ground that they are not supported by the disclosure of the application and this rejection was affirmed by the Board of Appeals in 1941. The plaintiff did not appeal from this rejection to the United States Court of Customs and Patent Appeals and did not file an action under R. S. 4915 within the time allowed by law for such action after the decision by the Board." The court concluded that therefore "the plaintiff's [appellant's] right to the subject matter of these claims has become res judicata against him." The court found also that the appellant's application "does not contain a disclosure which will support any of claims 74, 76 to 81, inclusive . . ." The court finally concluded that the appellant is not entitled to any of those claims and it accordingly dismissed the complaint as to them.

It is necessary to discuss only the ruling that the appellant's right to the subject matter of claims 74 and 76 to 81 inclusive has become res judicata against him. We think that the action of the trial court in dismissing the complaint as to claims 74 and 76 to 81 inclusive on that ground was correct.

The appellant's failure within six months after the decision of the Board of Appeals in 1941 either to appeal to the Court of Customs and Patent Appeals under Rev. Stat. § 4911 or to file a complaint in the district court under Rev. Stat. § 4915 was fatal. Rev. Stat. § 4915 provides:

Whenever a patent on application is refused by the Board of Appeals or whenever any applicant is dissatisfied with the decision of the Board of Interference Examiners, the applicant, unless appeal has been taken to the United States Court of Customs and Patent Appeals, and such appeal is pending or has been decided in which case no action may be brought under this section, may have remedy by bill in equity, if filed within six months after such refusal or decision . . .

[2] Upon the expiration of the six months' period provided for in the statute the decision of the Board of Appeals against the appellant became res judicata in the Patent Office. *Lavin v. Pierotti*, 129 F.2d 883 (CCPA 1942), 545 O. G. 6; *In re Ellis*, 86 F.2d 412 (CCPA 1936), 478 O. G. 478; *In re Becker*, 74 F.2d 306 (CCPA 1935), 454 O. G. 789. Also it became res judicata, in the sense of being beyond attack,

ducing electrical impulses at a controlled rate, said inverter comprising a gaseous discharge device in series circuit with a source of potential and with a second condenser, and means for varying the impulse rate comprising a variable impedance shunted across said second condenser, and means for conveying such impulses to the flash producing apparatus.

⁸⁰ In combination with apparatus for producing electrical energy flashes of the type in which a condenser is periodically discharged through a gaseous conductor lamp, means for initiating discharge of the condenser at selected intervals consisting of a static inverter for producing electrical impulses at a controlled rate, said inverter comprising a gaseous discharge device connected in circuit with a source of potential, a second condenser shunted across the gaseous discharge device, and means for varying the impulse rate comprising a variable impedance connected in the charging circuit of the second condenser, and means for conveying such impulses to the flash producing apparatus.

⁸¹ In combination with apparatus for producing electrical energy flashes of the type in which a condenser is periodically discharged through a gaseous conductor lamp, means for initiating discharge of the condenser at selected

intervals consisting of a static inverter for producing electrical impulses at a controlled rate, said inverter comprising a gaseous discharge device connecting in circuit with a source of potential, a second condenser shunted across the gaseous discharge device, and means for varying the impulse rate comprising a vacuum tube connected in the charging circuit of the second condenser together with means for controlling the current flowing through said vacuum tube, said means comprising a variable impedance.

¹ On January 9, 1945, the appellant filed a petition for rehearing of the Board's decision of January 1. On February 15, 1945, the Board rendered a further decision reversing its action of January 1 in part, but not as to claims 74, 76-81. On or about March 1, 1945, the appellant renewed his petition for rehearing, requesting reconsideration of the decision affirming the Primary Examiner's rejection of claims 74, 76-81. On or about the same date the appellant filed a petition to invoke, to the same end, the supervisory authority of the Commissioner of Patents. On or about March 20, 1945, the Board of Appeals rendered a further decision declining to modify its decision of February 15. The Commissioner declined to intervene.

in the courts. *In re Barratt's Appeal*, 14 App. D. C. 255 (1899), 87 O. G. 1075; *In re Edison*, 30 App. D. C. 321 (1908), 133 O. G. 1190; cf. *Overland Co. v. Packard Co.*, 274 U. S. 417 (1927), 363 O. G. 211.

The appellant contends that if recourse to the courts had been taken within six months after the decision of the Board of Appeals in 1941 it would have been premature since the Board's rejection of claims 74 and 76 to 81 inclusive at that time did not then dispose of the entire application. But this contention is answered adversely to the appellant by *Hoover Company v. Coe*, 325 U. S. 79 (1945), 576 O. G. 393. In that case the petitioner's assignor filed an application for a reissue of a patent. A number of claims included in the application were copied, or substantially copied, from several later patents in order to provoke interferences therewith and a contest as to priority of invention. The Primary Examiner finally rejected four of the claims as not reading on applicant's disclosure. The Board of Appeals of the Patent Office affirmed. The petitioner then brought suit against the Commissioner under Rev. Stat. § 4915 in the District Court of the United States for the District of Columbia to compel allowance of the four claims to the end that interference proceedings might be instituted. After a hearing on the Patent Office record and additional evidence, the court dismissed the complaint upon the ground that the claims did not read on the disclosure of the application. Appeal was taken to this court and in disposing of the appeal this court on its own motion raised the question whether Rev. Stat. § 4915 conferred jurisdiction on the district court to enter a decree which does not determine the right of the applicant to receive a patent but which instead directs the Examiner to allow claims for the purpose of provoking subsequent interference proceedings. The court held that the district court lacked jurisdiction. Its view was that a court of equity ought not afford piecemeal relief pending completion of the administrative process and therefore ought not entertain a suit under Rev. Stat. § 4915 unless its adjudication would conclude all possible questions as to the right to a patent. The Supreme Court reversed the ruling. It reasoned that:

On its face the statute confers the right to sue "Whenever a patent on application is refused by the Board of Appeals." The patent applied for (that is, the claims in question) was finally refused by the Board of Appeals. No appeal was taken to the United States Court of Customs and Patent Appeals, and petitioner filed its bill within the time limited in the section. [Italics supplied.] [325 U. S. at 82.]

It reasoned further that if the applicant can proceed by a bill under Rev. Stat. § 4915 only when every step requisite to issue has been taken, "the language of R. S. 4915 is ill chosen." The Court said: "Whenever a patent on application is refused" states precisely this case. The petitioner's application was refused." (325 U. S. at 84.) The Court reviewed the legislative history of Rev. Stat. § 4915 and also judicial construction and application thereof. It pointed out that the lower Federal courts had consistently construed the statute as conferring juris-

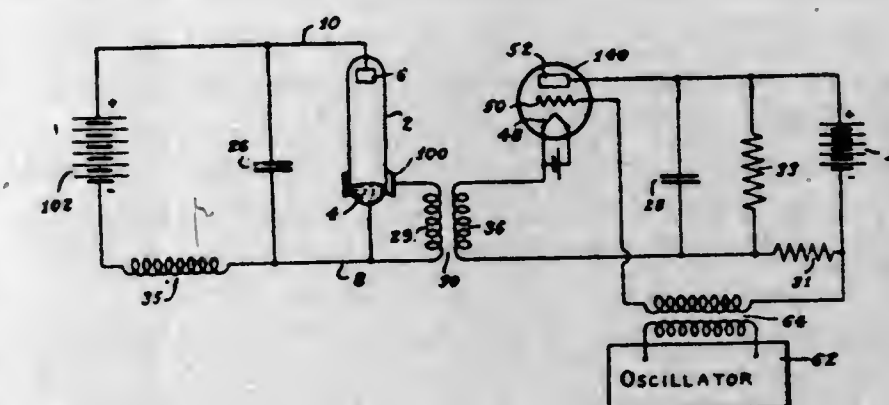
diction in cases indistinguishable from the one under review; that:

They have so held in cases where it affirmatively appeared that further proceedings in the Patent Office would be necessary following adjudication in favor of the applicant, and where though it did not appear of record that further proceedings would be required in the Patent Office, it was evident that they might ensue adjudication, as where a patent was denied for want of invention. And, where an applicant has succeeded in a bill filed under R. S. 4915, the courts have not questioned the power of the Patent Office subsequently to disallow the claims for want of invention over a newly discovered reference to the prior art. [325 U. S. at 89.]

The court concluded:

The ruling of the Board of Appeals in the instant case was neither a procedural ruling nor an interlocutory one as to which the district court should not entertain a suit under R. S. 4915. On the contrary, it finally denied a patent on the claims presented. In this respect it was like a dismissal of a suit in a court. Unless the applicant could sue to correct error in that dismissal, he could never sue under R. S. 4915. That he was accorded a right of suit in this case the language of the statute, its history, the administrative construction and judicial decision unite in affirming. [Italics supplied.] [325 U. S. at 90.]

Claim 222: This claim, which is set out in full in the margin,² purports to describe an oscillatory condenser discharging circuit. It was copied from a patent to Slepian No. 2,327,971 in which it appeared as claim 63. It is to be understood in terms of Figure 1 of the application:



According to the appellant's description thereof in his brief, the oscillatory condenser discharging circuit extends from the upper or positive terminal of the condenser 26 by way of the upper conductor 10 to the anode electrode 6 and from the lower or negative terminal of the condenser 26 by way of lower conductor 8 to the cathode electrode 4. Whether tube 2 is a part of the circuit as described in the claim was a matter of dispute—the appellant contending that it is not.

Claim 222 was rejected by the Patent Office, the final ruling adverse to the claim being by the Board of Appeals February 15, 1945. The complaint in the instant case was filed June 1, 1945, and was therefore timely in respect of claim 222, although not timely, as pointed out above, in respect of claims 74 and 76 to 81 inclusive.

The issue before the district court was whether or not the appellant's application contained a disclosure which would support claim 222 (specifically, whether or not the application disclosed an oscillatory condenser discharging circuit). The court

² "222. In combination, a luminescent-discharge device having a control electrode and a plurality of principal electrodes and having rectifier characteristics, an oscillatory circuit including said principal electrodes, means for causing a surge of current to flow through said principal electrodes, and means including a grid-controlled discharge rectifier tube for producing an initiating surge of current between said control electrode and one of said principal electrodes."

found that it did not and concluded that the appellant was therefore not entitled to make the claim and accordingly dismissed the complaint with respect to this claim. The question on appeal is whether or not it can with reason be said that the finding of the trial court was in clear error. *Abbott v. Coe*, 71 App. D. C. 195, 109 F.2d 449 (1939), 512 O. G. 3; *Sharp v. Coe*, 75 U. S. App. D. C. 118, 125 F.2d 185 (1941), 535 O. G. 687; *Dyer v. Coe*, 75 U. S. App. D. C. 125, 125 F.2d 192 (1941), 535 O. G. 684.

At the trial the Patent Office record was as usual introduced by the Commissioner. Expert witnesses testified in behalf of the appellant. The Patent Office record showed the following: Claim 222 was made a part of the appellant's application by amendment on January 7, 1944. On January 25, 1944, the Primary Examiner rejected the claim upon the ground, among others, of misdescriptiveness. He stated: "Claim 222 is further rejected as not supported by applicant's original disclosure, in that 'an oscillatory circuit including said principal electrodes' was not originally disclosed." On February 26, 1944, after the appellant had requested reconsideration, the Primary Examiner made his rejection of claim 222 final. He said in part:

The rejection of claim 222 as not supported by applicant's original disclosure, is repeated. The reference to the bottom of page 8 of the original specification is noted. The original matter found there reads . . .

"The condenser discharge through the mercury vapor lamp 2 would be oscillatory except for the fact that the tube 2 is a rectifier and allows current to flow only from the anode 6 to the cathode 4. This oscillatory tendency is useful, however, since it assists in preventing a continuous flow of current through the lamp 2 from the direct-current power supply such as the battery 102."

The above quoted matter is a clear admission that any tendency to oscillate is prevented because of the rectifying characteristics of tube 2. Such matter does not support the claimed "oscillatory circuit including said principal electrodes."

In opinions of January 1, 1945, and February 15, 1945, the Board of Appeals affirmed the action of the Primary Examiner. There was no dispute either in the Patent Office record or in the evidence supplied through the testimony of the witnesses for the appellant that the current in the appellant's apparatus does not oscillate through tube 2, this because of the rectifying characteristics of that tube as a result of which the current is allowed to flow in one direction only. The principal question therefore was whether or not tube 2 is a part of the circuit. The rulings in the Patent Office treated it as such. One of the witnesses for the appellant testified that the tube is not part of the circuit. But the appellant himself, comparing claim 222 with a claim in another patent (Sleplan, No. 2,327,971), testified, contrary to his contention on appeal, that it is.⁴ The testimony of the witnesses was in agreement that there is an oscillatory tendency in the voltage. But the claim does not limit its language to this. It reads "an oscillatory circuit including said principal electrodes." The claim as written could refer to both current and voltage. Since it is a copied claim the burden is on the appellant to show a clear basis for it in his disclosure and doubts as to his right to make it are to be resolved against him. *Lindley*

⁴"Q. Is there any difference in the two cases? A. Well, the difference is in the circuits, but there is no difference in the fact that the rectifier tube is present in the circuit in both cases."

v. Shepherd, 58 App. D. C. 31, 24 F.2d 606 (1928), 370 O. G. 513.

[4] The appellant urges that the Patent Office has made rulings in other cases inconsistent with its present holding as to claim 222. But it is elementary that the allowance of claims in one case is not controlling in the consideration of the patentability of claims in another. *In re Greider*, 129 F.2d 568 (CCPA 1942), 543 O. G. 439. Or, as put by this court, "while the decision of the Patent Office on the . . . [other] application and the reasons underlying the decision may have persuasive value on the question of the patentability of . . . [the claims of the case under consideration], the decision is not controlling. Two wrongs cannot make a right. It was proper for the Commissioner to reject . . . [the latter claims], notwithstanding that identical claims had been patented . . . if upon mature consideration he concluded such claims to be not properly patentable . . ." *Fessenden v. Coe*, 69 App. D. C. 193, 199, 99 F.2d 426, 432 (1938), 495 O. G. 707.

In view of the two rulings in the Patent Office adverse to the appellant, and in view of the appellant's testimony alluded to above, it cannot be said that the district court was in clear error in its finding that claim 222 is not supported by the disclosure.

Request for a determination that the appellant is entitled to make certain amendments: Appellant's original application included nine exhibits. The proposed amendments consisted of three additional exhibits, Nos. 10, 11, and 12. These, according to the appellant's complaint, "do no more than to illustrate the static inverter." The amendments consisted also of certain additions to the specification which additions, it is alleged, "do no more than to make clearer matter that was originally disclosed in the . . . application." The amendments were submitted to the Patent Office, according to the complaint, on September 23, 1943, and January 7, 1944. The Commissioner, according to the allegations, in addition to refusing to grant letters patent including claims 74 and 76 to 81 inclusive (and 222), arbitrarily declined to permit the appellant to amend his specification and drawings in the manner requested. As stated at the outset of this opinion the complaint sought a judgment that the appellant is entitled "to amend his specification and drawings" as requested. The Commissioner's answer admits that the Patent Office declined to enter the three exhibits, asserts that it permitted the amendments to the specification to be entered, but admits that it then required them to be cancelled. The Commissioner asserts that the rejection of the amendments was "based on res judicata" and also on the ground that they constituted new matter. The Commissioner denies that his action was arbitrary.

At the close of the trial, the district court filed an "Informal Memorandum" in which it stated (so far as is pertinent to the amendments now under discussion): "Plaintiff [appellant] is not entitled to amend his drawings or specification as requested nor is he entitled to a mandatory injunction requiring the Commissioner of Patents to permit the pro-

posed amendments." No mention of the amendments is made in the findings of fact and conclusions of law. But the dismissal of the complaint is general, i. e., broad enough to dispose of the prayer in respect of the amendments.

[5] The amendments related solely to claims 74 and 76 to 81 inclusive. As has been demonstrated in that part of this opinion which deals with those claims they were rejected by the Patent Office in 1941, and no appeal was taken to the Court of Customs and Patent Appeals, and no complaint filed in the district court under Rev. Stat. § 4915 within the six months' period required. The rejection of the claims in the Patent Office therefore became, as we rule above, res judicata there and final against any action in the district court. The amendments themselves, as appears from the dates mentioned above, were filed in the Patent Office after the expiration of this six months' period. For the district court to have ruled that the appellant was entitled to entry of the amendments would have been for it to ignore its own ruling as to the finality of the Patent Office decision rejecting the very claims to which the amendments related. The Patent Office was not required to allow amendments to the specification and drawings relating to claims whose rejection had become res judicata. The district court therefore correctly dismissed the complaint so far as the prayer relating to the amendments is concerned.

It would have aided this court in the disposition of this case if the district court had made findings of fact and conclusions of law concerning the amendments. But since upon the face of the record, for the reasons above stated, the refusal of a judgment allowing the amendments was correct, the absence of findings and conclusions does not warrant a remand.

The judgment of the district court is in all respects
AFFIRMED.

U. S. Court of Appeals for the District of Columbia

EDGERTON

v.

KINGSLAND, COMMISSIONER OF PATENTS

No. 9362. Decided December 4, 1947

[— F.2d —; 75 USPQ 813]

1. PRACTICE—RULE 70—INJUNCTION TO COMPEL ENTRY OF AMENDMENTS.

Since the determination by the Patent Office officials of the question whether or not under rule 70 the amendatory material conformed to the original drawings or specification, i. e., determination of the question whether or not it was new matter, involved the exercise of judgment and discretion, *Held* that, as a matter of law, the dismissal of the complaint was proper.

2. MANDAMUS—WHEN PROPER.

"Mandamus is employed to compel action, when refused, in matters involving judgment and discretion, but not to direct the exercise of judgment or discretion in a particular way nor to direct the retraction of or discretion in a particular way nor to direct the retraction of or reversal of action already taken in the exercise of either."

3. PRACTICE—RULE 70—INJUNCTION TO COMPEL ENTRY OF AMENDMENTS.

Where the officials of the Patent Office did consider the proposed amendments and for reasons which involved an exercise of their discretion refused to allow them to be made, *Held* that the dismissal of the complaint seeking a mandatory injunction is affirmed, distinguishing *Coe v. U. S. et rel. Remington Rand*, 65 App. D. C. 387, 84 F.2d 240; 469 O. G. 763

APPEAL from the District Court of the United States for the District of Columbia.

AFFIRMED.

Frank W. Dahn (David Rines and Joan Rines Needleman of counsel) for Edgerton.

W. W. Cochran (E. L. Reynolds of counsel) for the Commissioner of Patents.

Before STEPHENS, EDGERTON and WILBUR K. MILLER, Associate Justices

STEPHENS, A. J.:

This is an appeal from a judgment of the District Court of the United States for the District of Columbia dismissing the complaint in Civil Action No. 29,179 in which the appellant sought the issuance of a mandatory injunction directing the entry of certain amendments in his patent application Serial No. 685,501.

The system disclosed by the application is one in which repeated flashes of light for viewing moving objects are produced between two main electrodes of a mercury vapor tube. Current for the flashes is supplied by a battery and condenser. The flash occurs as the result of the passing of a current through an auxiliary electrode of the mercury vapor tube, this current so operating as to cause a spark to jump between the tube's two main electrodes. The current to the auxiliary electrode is supplied by the secondary coil of a transformer in such manner that the energization of the primary coil thereof will control the flash. The primary coil is supplied with current from a battery and condenser through a circuit which includes a so-called thyatron. This device releases and interrupts the flow of the current to the primary coil at intervals determinable in a variety of ways not material to this case.

Appellant's original application included nine exhibits. The proposed amendments consisted in part of three additional exhibits, Nos. 10, 11 and 12. These, according to the appellant's complaint, "do no more than to illustrate the static inverter . . . described in the original specification" of application Serial No. 685,501. The amendments consisted also of certain additions to the specification. These amendments, according to the complaint, "do no more than to make clearer matter that was originally disclosed in said application." The amendments were submitted to the Patent Office on September 23, 1943, and January 7, 1944, but the Commissioner of Patents, so it is alleged, arbitrarily declined to permit the appellant to amend his specification and drawings in the manner requested. The answer of the Commissioner denies arbitrary action and asserts, in substance and effect, that the proposed amendments were considered by the Patent Office but that they were found to constitute new

matter which under the Patent Office rules the appellant is not entitled to add to his application. At the close of the trial the district court found that:

The Commissioner of Patents has considered the proposed amendments referred to in the complaint and has held upon their merits that they cannot properly be entered in the application.¹

Upon this finding the court concluded that the Commissioner's refusal to enter the amendments was within his discretion and that the appellant was not entitled to the mandatory relief sought. The court accordingly dismissed the complaint. The questions for determination on this appeal are whether it can with reason be said that this finding is in clear error (*Abbott v. Coe*, 71 App. D. C. 195, 109 F.2d 449 (1939), 512 O. G. 3; *Sharp v. Coe*, 75 U. S. App. D. C. 118, 125 F.2d 185 (1941), 535 O. G. 687; *Dyer v. Coe*, 75 U. S. App. D. C. 125, 125 F.2d 192 (1941)), 535 O. G. 684, and whether the conclusion is justified by the law.

According to the Patent Office record which was introduced in evidence, the history of the amendments so far as here pertinent is as follows: The amendments were filed by the appellant on September 23, 1943, and January 7, 1944. By letter of January 25, 1944, the Primary Examiner declined in the following terms to allow them:

All the matter added to the description by amendments of September 23, 1943, and January 7, 1944, is required to be cancelled. The proposed Figures 10, 11, and 12 have not been entered. This added subject matter involves new matter to this application, and such matter has been ruled on and held not supported by the original disclosure. For example, the charging circuit in applicant's system is not oscillatory, the systems disclosed do not include a self-excited relaxation oscillator or a self-excited static inverter. The decision on motions of November 23, 1938, and the Board of Appeals decision of July 18, 1939, in Interference #74,402, held such matter to be lacking in applicant's original disclosure. [Italics supplied.]

On or about February 22, 1944, the appellant requested reconsideration of this ruling. On or about February 26, 1944, the Primary Examiner by letter again refused to enter the amendments and drawings, stating:

The requirement for cancelling all of the matter added to the description by amendments of September 23, 1943 and January 7, 1944, is repeated. The new description of Figure 9 is a departure from the original disclosure as pointed out in the last Office action. The original description of Figure 9 should be reinserted. Descriptive matter pertaining to proposed Figures 10, 11 and 12 should be cancelled since these figures have not been entered as pointed out in the last Office action. [Italics supplied.]

On March 19, 1944, the appellant appealed to the Board of Appeals from the decision of the Primary Examiner of February 26, 1944. On February 15, 1945, the Board rendered a final decision upholding the Primary Examiner's ruling in respect of the amendments. The Board said:

With respect to appellant's right to amend his description and to add Figs. 10, 11 and 12, this appears to have been fully answered by the Examiner in his letter of January 25, 1944, paper #52, which was in response to the amendments filed Sept. 23, 1943, and January 7, 1944, presenting such matter. The pertinent part of said letter reads as follows: [Here the Board quoted that part of the Primary Examiner's letter of January 25, 1944, above set forth.]

Appellant is presenting here exactly the same matter in a different form as was fully disposed of in our decision on motion to dissolve in Interference No. 74,402 and later an Ex parte appeal in this case. Each of these decisions

¹ The district court found also that: "The purpose of the proposed amendments was to introduce a basis for claims 74 and 76 to 81 of application [Serial No. 685,501], but such basis is lacking in the original disclosure and cannot properly be supplied by amendment." But in the view we take of the case it is not necessary to discuss this finding.

was based on the fact that appellant did not have a disclosure of the claimed subject matter in his original detailed description.

On March 1, 1945, the appellant requested the Commissioner in the exercise of his supervisory authority to overrule the Primary Examiner's rejections of the amendments. On March 20, 1945, the Commissioner declined to intervene. In summary, the Patent Office through the rejections of the Primary Examiner, the decision of the Board of Appeals and the decision of the Commissioner declining to exercise his supervisory authority, refused to allow Figures 10, 11 and 12 to be entered and required the other proposed amendatory matter to be cancelled, all upon the ground that the appellant was thereby presenting new matter to the application. The action of the Patent Office was based upon rule 70 providing:

In original applications all amendments of the drawings or specifications, and all additions thereto, must conform to at least one of them as it was at the time of the filing of the application. Matter not found in either, involving a departure from the original invention, cannot be added to the application even though supported by a supplemental oath, and can be shown or claimed only in a separate application.

[1] It is clear from this review of the proceedings in the Patent Office that the finding of the district court that the Commissioner considered the amendments and held upon their merits that they could not be properly entered in the application was correct. Obviously, in view of the rulings above set forth, it was because the Patent Office officials considered the amendments that they declined to allow them. It is clear also that the ruling of the trial court is correct as a matter of law. Determination by the Patent Office officials of the question whether or not under rule 70 the amendatory material conformed to the original drawings or specifications, i. e., determination of the question whether or not it was new matter, involved the exercise of judgment and discretion. [2] "Mandamus . . . is employed to compel action, when refused, in matters involving judgment and discretion, but not to direct the exercise of judgment or discretion in a particular way nor to direct the retraction or reversal of action already taken in the exercise of either." *United States v. Ickes*, 69 App. D. C. 324, 329, 101 F.2d 248, 253 (1938), quoting from *Wilbur v. U. S. ex rel. Kadrie*, 281 U. S. 206, 218 (1930).

[3] The appellant cites *Coe v. U. S. ex rel. Remington Rand*, 65 App. D. C. 387, 84 F.2d 240 (1936), 469 O. G. 763, wherein the issuance of a writ of mandamus by the district court to compel the Commissioner to "enter and consider" an amendment to an application was affirmed. The case is distinguishable. There the patent applicant's claims were rejected by the Primary Examiner and the applicant promptly filed an amendment to his application traversing the ground of rejection. The Primary Examiner refused to enter and consider this amendment, although the case had the status of a regularly pending application. Under Patent Office rule 68 as it then read "the applicant has a right to amend before or after the first rejection or action, and he may amend as often as the Examiner presents new references or reasons for rejection."

tion." This court held that since the Primary Examiner's rejection was the first rejection, the amendment amounted merely to a request for a re-examination of the case in the light of this rejection, and that the applicant, under Rev. Stat. § 4903 (1875), 35 U. S. C. § 51 (1940), had a right to such re-examination and that denial of such right would, in view of Rev. Stat. § 4909 (1875), 35 U. S. C. § 57 (1940), deprive the applicant of an appeal to the Board of Appeals. In the instant case rule 70 above printed is involved, not rule 68. And as demonstrated above, the officials of the Patent Office in the instant case did consider the proposed amendments and for reasons which involved an exercise of their discretion refused to allow them to be made.

The dismissal of the complaint seeking a mandatory injunction is

AFFIRMED.

U. S. Court of Appeals for the District of Columbia

EDGERTON v. KINGSLAND, COMMISSIONER OF PATENTS

No. 9365. Decided December 4, 1947

[— F.2d. —; 75 USPQ 316]

PATENTABILITY—ESTOPPEL.

When appellant's prior application was in interference with the reissue application of M, the issue of which did not include claims identical with those sought in the instant case, and priority in that interference was awarded appellant, and where appellant presented in a later application claims identical with claims of the M patent and M reissue application, Held that by appellant's failure to present in the interference claims identical with those involved in the instant appeal he forfeited his right to make them.

APPEAL from the District Court of the United States for the District of Columbia.

AFFIRMED.

Frank W. Dahn (David Rines and Joan Rines Heedleman of counsel) for Edgerton.

W. W. Cochran (E. L. Reynolds of counsel) for the Commissioner of Patents.

Before STEPHENS, EDGERTON and WILBUR K. MILLER, Associate Justices

STEPHENS, A. J.:

This is an appeal from a judgment of the District Court of the United States for the District of Columbia dismissing the complaint in Civil Action No. 30,484 under Rev. Stat. § 4915 (1875), 35 U. S. C. § 63 (1940). In this complaint the appellant sought judicial authorization of the allowance of claims 12 and 14 of his application Serial No. 311,724 filed December 30, 1939, for a patent on an electric system. The claims purport to describe an oscillatory condenser charging circuit. The district court found that the appellant had failed to present corresponding claims in a previous application involved in an interference and concluded that thereby the appellant had forfeited the claims by virtue of an estoppel.

The record supports the finding. The facts shown are as follows: On February 5, 1934, Miller application Serial No. 709,901 was filed in the Patent Office. This application eventuated in a patent, No. 2,073,247, granted March 9, 1937. On April 5, 1938,

an application by Miller, Serial No. 200,090, for a reissue of this patent was filed. Both the Miller patent and the Miller reissue application contained as claims 7 and 14 claims identical with claims 12 and 14 of the appellant's application Serial No. 311,724 involved in the instant case. On July 29, 1935, the appellant filed application Serial No. 33,733. This involved the same subject matter as appellant's application Serial No. 311,724 but did not when filed contain claims corresponding to claims 12 and 14. In February, 1939, appellant's application Serial No. 33,733 was placed in Interference 76,771, *Edgerton v. Miller*, with the reissue application of the Miller patent. The issue of the interference did not include claims identical with claims 12 and 14 of the appellant's application Serial No. 311,724 and the appellant did not, as he might have done under rule 109 of the Patent Office, petition to add such identical claims to the issue.¹ Priority in the interference was awarded the appellant by the Examiner of Interferences and this award was affirmed by the Board of Appeals on September 30, 1941. On March 28, 1942, the appellant presented by amendment to his application Serial No. 33,733 claims 57 and 59, which were identical with claims 7 and 14 of the Miller patent and reissue application and with claims 12 and 14 of the appellant's application Serial No. 311,724 involved herein. The Primary Examiner rejected claims 57 and 59 on the ground of estoppel for failure to present them in the Edgerton-Miller interference. An appeal to the Board of Appeals was dismissed December 20, 1943, for lack of prosecution.

The conclusion of the district court, that by virtue of the appellant's failure to present in the Edgerton-Miller interference claims identical with those involved in the instant appeal he forfeited his right to make them, is correct as a matter of law. It is incumbent upon a party to an interference to move to include therein all claims which are issuable upon which he wishes to rely. Failing to do so he is, after the termination of the interference, barred as to such claims. *E. I. du Pont de Nemours & Co. v. Coe*, 67 App. D. C. 42, 89 F.2d 679 (1937), 478 O. G. 243. Cf. *American Cyanamid Co. v. Coe*, 70 App. D. C. 330, 106 F.2d 851 (1939), 506 O. G. 781, and *International Cellucotton Products Co. v. Coe*, 66 App. D. C. 248, 85 F.2d 869 (1936), 471 O. G. 243.

Other grounds upon which the district court dismissed the appellant's complaint need not be discussed.

The dismissal is

AFFIRMED.

¹ Rule 109 provides: "An applicant involved in an interference may, within a time fixed by the Examiner of Interferences not less than thirty days after the preliminary statements (referred to in rule 110) of the parties have been received and approved, or if a motion to dissolve the interference has been brought by another party, within thirty days from the filing thereof, on motion duly made as provided by rule 153, file an amendment to his application containing any claims which in his opinion should be made the basis of interference between himself and any of the other parties. . . . Any party to an interference may bring a motion to add or substitute any other application owned by him, as to the existing issue, or to include an application or a patent owned by him, as to claims which should be made the basis of interference between himself and any of the other parties."

U. S. Court of Customs and Patent Appeals

IN RE HAMPEL

No. 5320. Decided November 17, 1947

[— F.2d —; 76 USPQ 40]

1. PROCESS—CHEMICAL—STEPS NOT THE SAME WHERE ONE OF REACTANTS AND ONE PRODUCT DIFFER.

Where a chemical process involves two reactants and the second reactant of appellant is clearly not that employed in the process of the reference, and where the process of appellant results in the production of desired material not produced by the process of the reference, Held that the steps in the process of appellant are not the same as those in the process of the reference.

2. PATENTABILITY—PROCESS OF PRODUCING OLEFINIC AND ALKYL CHLORIDES.

Certain claims to a process for producing olefinic carbon chloride and alkyl chloride Held patentable over the prior art.

APPEAL from the Patent Office. Serial No. 448,317. REVERSED.

Pennie, Edmonds, Morton and Barrows (Louis D. Forward and Clarence M. Fisher of counsel) for Hampel.

W. W. Cochran (J. Schimmel of counsel) for the Commissioner of Patents.

JACKSON, J.:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all of the claims 1 to 9, inclusive, of an application for a patent for new and useful improvements in chemical manufacture. The claims were held to be unpatentable over the patent to Basel et al., 2,178,622, November 7, 1939.

Claims 4, 6 and 9 are illustrative of the subject-matter and read as follows:

4. In the pyrolysis of hexachloroethane for the production of tetrachloroethylene, the improvement which comprises effecting the pyrolysis in the presence of a paraffin hydrocarbon containing not more than four carbon atoms per molecule.

6. A process of producing olefinic carbon chloride and alkyl chlorides which comprises subjecting a carbon chloride to pyrolysis and admixing a paraffin hydrocarbon with admixed products of the decomposition prior to the cooling of said products to a temperature at which chlorine resulting from the decomposition recombines with other decomposition products.

9. A process of chlorinating paraffin hydrocarbons containing not more than four carbon atoms per molecule which comprises heating an admixture of hexachloroethane and the paraffin hydrocarbon to be chlorinated in a reaction zone to a temperature within the range of about 300° C. to about 500° C., separating tetrachloroethylene which is formed by the reaction from the reaction products including the alkyl chlorides formed, rechlorinating the tetrachloroethylene thus separated to hexachloroethane and returning the reformed hexachloroethane to the reaction zone.

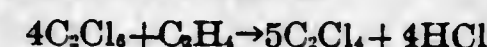
The application relates to an improved process in the manufacture of the chlorinated compounds tetrachloroethylene and alkyl chlorides. The materials used in the process are hexachloroethane and a paraffinic hydrocarbon which preferably contains not more than four carbon atoms per molecule. Hexachloroethane is a paraffinic carbon chloride bearing the chemical formula C_2Cl_6 . Tetrachloroethylene is an olefinic carbon chloride with the chemical formula C_2Cl_4 . The paraffin hydrocarbons containing not more than four carbon atoms per molecule are methane, the formula for which is CH_4 , ethane, the formula for which is C_2H_6 , propane,

which has the formula C_3H_8 , and butane, the formula for which is C_4H_{10} .

In his process appellant heats hexachloroethane to a temperature in the range of about 300° C. to 500° C., decomposing it into a mixture of tetrachloroethylene and chlorine. In order to prevent recombining of the chlorine and tetrachloroethylene into the starting substance, there is added before heating or after decomposition of the hexachloroethane and before cooling a paraffinic hydrocarbon containing not more than four carbon atoms. The chlorine produced from the decomposition of the hexachloroethane reacts with the paraffinic hydrocarbon forming an alkyl chloride and hydrochloric acid. The process may be further described by the following equation with the use of ethane as the paraffinic hydrocarbon:



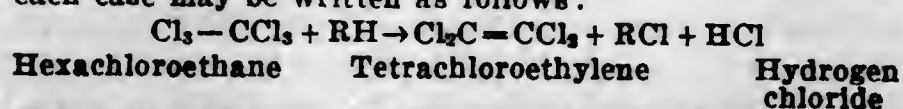
The reference patent relates to what is said to be a simple and efficient process for the production of tetrachloroethylene. It discloses the use of hexachloroethane, acetylene, ethylene, dichloroethylene, trichloroethylene and tetrachloroethane. In the process hexachloroethane is heated to a temperature of from 200° C. to 400° C. in the presence of acetylene, ethylene, dichloroethylene, trichloroethylene, or tetrachloroethane in a catalyst chamber filled with glass shards, activated carbon, or activated carbon impregnated with copper chloride. The result of the process is the production of tetrachloroethylene and hydrochloric acid "at an almost theoretical transformation." The process may also be illustrated, using ethylene as the reactant with hexachloroethane, as follows:



Claims 8 and 9 differ from the other claims by the process of rechlorinating the tetrachloroethylene to form hexachloroethane and recirculating the latter to the pyrolysis zone where it serves as one of the raw materials in the process so that eventually the final products of the process defined in those claims are alkyl chloride and hydrochloric acid.

The Primary Examiner in rejecting all of the claims as lacking invention over the prior art pointed out that the process of appellant differs from that of the reference only in the use of paraffin hydrocarbons instead of the ethylene, acetylene, chlorinated paraffin, or chlorinated olefin of the patent. He termed each of the second reactants disclosed in the prior art and in the claims to be a "chlorine acceptor" and in this connection states as follows:

In the case of all the chlorine acceptors of the reference, except acetylene, as well as in the claimed process, the chlorine reacts substitutively with the chlorine acceptor, the corresponding quantity of hydrogen chloride being formed. The overall general equation for the reaction in each case may be written as follows:



"R" in the claimed process is an alkyl radical whereas in the process of the reference it may be chloralkyl or alkenyl. It is apparent that the function of RH is the same in each case and no invention is accordingly considered to be involved in substituting one compound known to react with chlorine by another such compound.

It is, moreover, apparent that the nature of the product designated as "RCl" in the above equation depends on the particular chlorine acceptor, "RH" which is used. If any particular "RCl" is desired as a product, the corresponding "RH" can be used as the chlorine acceptor.

The claims were also rejected as being based on an inadequate disclosure.

With respect to claims 8 and 9 the Examiner further stated that the process merely emphasizes the production of alkyl chlorides and if such products were desired to the exclusion of tetrachloroethylene no invention would be involved in rechlorinating the tetrachloroethylene to hexachloroethane and recycling it to the pyrolysis zone. The Examiner observed that it did not appear what purpose would be served by the processes defined in claims 8 and 9 for the reason that a mixture of chlorine and tetrachloroethylene to chlorinate with paraffin hydrocarbon could be made in the first place.

The Board of Appeals in its decision rejected the over-all equation as applying to the process of the patent for the reason that counsel for appellant in his brief had set out two equations showing the reaction occurring with acetylene and trichloroethylene which indicated that no alkyl chloride corresponding to the "RCl" of the Examiner's equation is formed. The Board agreed with counsel for appellant, stating that it is nowhere suggested in the reference patent that any chloride is produced, but only tetrachloroethylene with a corresponding quantity of hydrochloric acid.

The Board stated that notwithstanding the fact that the process of the prior art contains no suggestion of the production of any chloride it was "inclined" to agree with what it stated was the decision of the Examiner that it would be within the skill of a trained chemist to select the reactants of appellant to react with the chlorine produced by the pyrolysis of hexachloroethane in order to produce the desired chloride.

In a subsequent decision, following a request for reconsideration, the Board reversed the decision of the Examiner on the ground of inadequate disclosure. The sole question before us, therefore, is whether or not it would be obvious to one skilled in the art to employ paraffin hydrocarbons such as are used by appellant in his process.

It is admitted to be old and is so acknowledged in the application of appellant that a mixture of free chlorine and tetrachloroethylene can be formed by heating hexachloroethane. It is also stated in the brief of appellant and pointed out in his specification that the reaction of free chlorine with gaseous paraffin hydrocarbons is difficult to control and frequently results in violent explosions in the absence of some effective influence. This is not controverted by the Solicitor for the Patent Office.

It is undisputed that neither of the only two hydrocarbons (acetylene and ethylene), nor any of the hydrocarbon chlorides used as the second reactants in the process of the reference are paraffin hydrocarbons, nor are they homologues (members of the paraffin series of hydrocarbons), or isomers of paraffin hydrocarbons.

[1] It will be observed that the process of the Basel et al. patent consists in passing of a mixture of hexachloroethane and a second reactant over a heated catalyst in a catalyst chamber, while in the process defined by the rejected claims no catalyst is employed. This seems to us to show one of the differences between the two processes. It may also be noted that the process of the Basel et al. patent results in the production only of tetrachloroethylene and hydrochloric acid, whereas the process of appellant produces tetrachloroethylene, alkyl chlorides and hydrochloric acid.

The second reactants of appellant are clearly not those employed in the process of the reference, nor is the process the same. We hold, therefore, that the steps in the process of appellant are not the same as those in the process of the reference, as contended by the Solicitor for the Patent Office.

We do not agree with the holding of the Board that in view of the Basel et al. patent it would be obvious to a skilled chemist to use the second reactants of appellant's process, if so desired. The Primary Examiner would seem to be one highly skilled in the art involving the subject-matter of his examinations. Nevertheless, the Examiner here mistakenly pointed out that the process of appellant and that of the reference could be illustrated by the same general equation and thus appellant's process would be obvious to one skilled in the art. Upon a showing by counsel for appellant that such general equation was in error the Board reversed the reasons given by the Examiner for considering appellant's process to be obvious and, therefore, it seems to us, eliminated the very holding of obviousness from the Examiner's statement.

Appellant in his brief points out, and we think properly so, that while the equation constructed by the Primary Examiner applies in all respects to the process of appellant, it does not and could not illustrate the process disclosed in the Basel et al. patent.

There is no question here but that the process of appellant is new, useful, and produces valuable results. We have no doubt that the Examiner erred in illustrating the alleged obviousness of employing appellant's second reactants in view of the prior art. The bald statement by the Board of Appeals that in view of the prior art it would be obvious to one skilled therein to employ appellant's second reactants is not convincing to us.

We do not consider the principle laid down in *In re Wietzel et al.*, 17 CCPA (Patents) 1079, 39 F.2d 669, 5 USPQ 177, and other cases cited by the Solicitor in his brief to be applicable here. In that case we cited with approval the language of the Board of Appeals as follows:

And, where there is no real reason to suppose that the result would not be produced, there is no invention in trying it and finding out that the process is successful.

On the record here there was every reason to suppose that the result reached by appellant would not be successful in view of the admitted fact that the reaction of free chlorine with gaseous hydrocarbons is difficult to control and frequently results in violent explosions, or in the production of un-

desirable products. It is stated in appellant's specification that one of the objects of his invention is to provide a safe and effective process for the production of alkyl chlorides and, therefore, the process by which such chlorides are invariably produced, in our opinion, should be held to possess an effective influence in controlling the above-mentioned undesirable results.

We have examined the cases cited in the briefs, but feel that a discussion of them would add nothing but length to this opinion.

For the reasons herein set forth, the decision of the Board of Appeals is reversed.

REVERSED.

U. S. Court of Customs and Patent Appeals

IN RE GESSLER ET AL.

No. 5333. Decided November 17, 1947

[— F.2d —; 76 USPQ 46]

PATENTABILITY—LINING FOR AUTOMOBILE BODY ROOF.

Certain claims for a lining for the roof of an automobile body comprising a resilient self-supporting structure *Held* patentable over the prior art.

APPEAL from the Patent Office. Serial No. 431,636. REVERSED.

Keith Misegades for Gessler et al.

W. W. Cochran (H. B. Ledman and J. Schimmel of counsel) for the Commissioner of Patents.

JACKSON, J.:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting, in view of the prior art, claims 2, 3, 4, 8, and 13 of an application for a patent for new and useful improvements in "Automobile Body Structure." Claims 5, 6, and 7, which had been rejected by the Primary Examiner, were allowed by the Board.

The prior art relied upon appears as follows: Stillman, 973,888, October 25, 1910; Dillon, 1,385,741, July 26, 1921; Tuell, 2,207,958, July 16, 1940.

Claim 2 is illustrative of the rejected claims and reads as follows:

2. A lining for the roof of an automobile body comprising a resilient self-supporting structure spaced apart from the roof of an automobile to provide a double roof with an air space between, and supported principally on the ends of the resilient structure resting on ledges attached to the sides of the automobile body below the roof, the structure comprising a sound absorbent backing having laminated thereto a resilient water-resistant foil, and holes penetrating through the foil to the sound absorbent backing.

The invention relates to a sound absorbing and heat insulating lining for the roof of an automobile body. It comprises two layers, the upper of which may be of any conventional insulating material and the lower or facing sheet of a foil. The sound absorbing backing sheet is laminated to the foil through which there are perforations admitting sound waves from the interior of the car to the sound absorbing backing sheet. While the lining is resilient, it is sufficiently rigid to be principally supportable on its ends which rest upon a bead or flange extending around the body of the car below the roof, and is in a generally parallel position to the roof proper and spaced away therefrom. Where

the insulating material is soft and not self-supporting, it is necessary to supply sufficient firmness to the foil sheet by means of back laminating material, such as paper sheets, cardboard, and the like. Under some conditions, additional, but free, support for the composite sheet may be necessary. It is stated that the structure possesses natural resiliency, so as to be of assistance in preventing transmission of sound from the metal roof of the automobile to its interior.

The claims before us were rejected on the patent to Stillman in view of the patent to Dillon, and further rejected on the patent to Tuell in view of the patent to Dillon.

The Stillman patent relates to improvements in the metal roof of a passenger railway car. It discloses a car roof which comprises a plurality of outside sheets of metal and a plurality of inside sheets of metal spaced from the outside sheets, both sheets being connected at close intervals to transverse arcuate rolled metal crossbeams, known as carlines, by "seams or rivets." Between the outer side of each of the carlines and the adjacent outer sheet a plurality of strips of heat insulating material are interposed. The strips are separated longitudinally at intervals, for the purpose of providing circulatory openings through which heated air from one of the spaces between the carlines to another such space may pass at their outer positions. The bottoms of the spaces are closed by a heat insulating or non-conducting lining material, such as hair felt, which is laid on the interior roof sheet of each of said spaces.

The Dillon patent relates to sound deadeners for the walls of buildings. It discloses perforations through an outer fabric layer of a wall panel so that sound waves may reach the back sound-absorbing layer.

The Tuell patent relates to the interior structure of motor vehicle bodies. The improvement comprises a thin multi-layered lining of plywood spaced apart from the inner walls and roof of an automobile body. The patentee has for his principal object the providing of wood veneer panels for covering the interior of the side walls and roof of an automobile and held in place by specially constructed metal strips. Some of the strips are incorporated into the roof of the car in such position as to take advantage of the internal stress of the veneer brought about by the mechanical warping to which the plywood is subjected when the veneer is forced into place. The veneer for the roof is sprung into these strips and also into a channel bead at its bottom edges. The anchoring of the veneer may be further strengthened by means of hidden springs. It is said in the specification of the patent that by means of this construction there will be no loose edges and that a smooth attractive appearance results. The veneer is spaced from the roof of the car by means of ribs, so that the intervening space may be filled with loose insulating material for the purpose of deadening sound and for heat and cold resistance.

It is true that the structure defined in the Stillman patent comprises a false roof consisting of a water-resistant under-surface and a layer of non-conducting material such as hair felt laid thereon. It is also true that the felt material possesses not only heat insulating properties, but is also sound absorbent. However, the composite lining of the roof of the patent cannot be considered to be self-supporting by reason of the "seams of rivets" by which it is connected at close intervals to the carlines. While it is true that the drawing of the patent indicates that the extremities of the composite lining end on unnumbered angle irons, it is clear to us that the lining sheet is not at all supported on the angle irons for the reason that it is closely attached by many rivets throughout its length to the carlines, making it rigid; and, therefore, the lining is not resilient, nor is it self-supporting, nor supported principally on any ledge, as required by the terms of the rejected claims.

We are of opinion that perforating the lining of the Stillman structure to accord with the structure of the Dillon patent would not meet the limitations of the claims herein. The substitution of the Dillon device for the felt backing of the Stillman patent would still leave the structure rigid and bound to the carlines. The use of perforations to and into sound absorbent material is acknowledged to be old in the involved application. It will not do to hold that by the omission of the "seams of rivets" of the Stillman structure that the lining roof would then be supported by a ledge. If such lining were so placed, it certainly would result in an insecure structure. Neither, in our opinion, would anyone skilled in automobile or railway coach construction have the remotest thought of forming appellants' structure after having observed the structures of the Stillman and the Dillon patents. The best that could be said of such combination is there would probably be greater sound and heat absorption in such combination. Nevertheless, the false roof or interior lining that would result would be a non-resilient rigid structure, which is entirely foreign to the invention defined in the rejected claims.

It is also clear to us that the rejection of the claims on the patent to Tuell in view of the patent to Dillon is erroneous. The Tuell patent defines a rigid structure. It is necessarily rigid by reason of the plywood lining being forced into the strips on the roof and sides of the car as heretofore described. The substitution of the sound absorbing device of the Dillon patent for the loose insulating material of the Tuell patent would add nothing to the structure disclosed in the Tuell patent except to possibly impart to the hypothetical structure a greater facility for sound absorption, but the structure would not be less rigid than that disclosed in the Tuell patent. It would not tend to render the structure resilient as called for by the rejected claims.

Claims 2, 3, and 4 differ from each other only in the recitation of the depths of holes penetrating the lining structure. Claim 13 differs from the other claims in that it is directed to a lining "for the roof

of a movable vehicle which vibrates markedly on movement" and comprises "a resilient self-supporting non-metallic structure." Claim 8 includes the structure of claim 13 and provides for loose sound absorbent material.

With respect to the structure of appellants, in which the sound absorbing material is loose, as defined in claim 8, it is shown in the application that the resiliency of the false roof is not lessened by the support that is given such loose sound and heat absorbing material as above described. While a means is provided for additional support to the lining, comprising a clip shown in the drawing as being capable of moving freely in a space through the bottom of a U shaped beam attached to the roof proper, such means do not lessen in any degree the resiliency of appellants' structure. Neither does the optional tacking of the ends of the insulating board to a clip attached to an interior moulding render the structure more or less than self-supporting, and certainly does not negative the limitation that the structure is "supported principally" on the ends thereof.

For the reasons set forth herein, we are of opinion that the rejected claims should have been held to be patentable over the art of record, and, therefore, the decision of the Board of Appeals is reversed.

U. S. Court of Customs and Patent Appeals

IN RE BOILEAU

No. 5323. Decided June 17, 1947. Petition for rehearing denied September 29, 1947

[163 F.2d 562; 75 USPQ 88]

1. PATENTABILITY—INTERFERENCE ON COPEING APPLICATION—EFFECT OF ADVERSE DECISION.

The court may not properly hold that appellant is the first inventor of anything that is not patentably distinct from the subject matter of the counts involved in the interference involving appellant's copending application.

2. SAME—COPEING APPLICATIONS OF SAME INVENTOR.

The claims of appellant's issued patent may be properly considered in determining the question of the patentability of the claims on appeal.

3. SAME—COMBINATION OF ELEMENTS NON-INVENTIVE.

Where the features relied upon as defining patentable subject matter are disclosed in a claim of appellant's patent taken with the issue of the interference decided adversely to appellant and another prior art patent, *Held* that the combination of elements defined by the appealed claims does not involve invention.

4. SAME—SAME—WHEREBY CLAUSE.

The "Whereby" provision contained in the last clause of the appealed claim is obviously a statement of result which of itself cannot impart patentability.

5. SAME.

Certain claims for an alleged improvement in a horizontal wooden churn of the revolving drum type *Held* not to constitute subject matter patentable over the combined disclosures of the reference patents.

APPEAL from the Patent Office. Serial No. 813,369.

AFFIRMED.

Norman E. H. Deletzke for Boileau.

W. W. Cochran (H. S. Müller of counsel) for the Commissioner of Patents.

O'CONNELL, J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner who rejected all the claims in appellant's application for a patent for alleged improvements on a horizontal, wooden churn of the revolving drum type, and more particularly to the sanitary arrangement for the supporting of the shelves or baffles within the drum.

The references are: Hougland, 2,104,462, January 4, 1938; Godfrey, 2,334,919, November 23, 1943; Boileau, 2,359,744, October 10, 1944.

Appellant's application, filed January 11, 1940, is a "continuation in part" of his then co-pending and parent application, Serial No. 249,056, filed January 3, 1939, which, on October 10, 1944, matured into the reference patent to Boileau.

The application filed by appellant on January 11, 1940, was allowed on March 13, 1940, with four claims. Thereafter several additional claims were suggested to appellant for the purpose of interference and on July 27, 1940, an interference was declared between appellant's application and the application of one Godfrey, filed April 24, 1939. Priority of invention in that interference was awarded to the inventor Godfrey. *Boileau v. Godfrey*, 31 CCPA (Patents) 723, 138 F.2d 67, 59 USPQ 149, 557 O. G. 417.

Appellant by amendment, filed December 20, 1943, cancelled the claims in his application which correspond to the counts of the interference and submitted new claims, 10 to 16, inclusive, all of which were finally rejected by the Primary Examiner. His action in so doing was affirmed by the Board of Appeals and appellant has brought this appeal to review that decision of the Board.

Appellant does not dispute that the cited references disclose a number of elements that are included in the claimed combination of elements but contends that the references do not disclose all of the essential elements of the claimed combination, and that such comparable elements as are disclosed by the references function in a manner different from those set forth in the appealed claims.

The involved structure comprises numerous details. Claim 10, portions of which have been here emphasized by appellant as patentably distinguishing the claim from the disclosure of the prior art, is illustrative. It reads as follows:

10. A churn and butterworker comprising, in combination, a processing cylinder disposed to rotate about its longitudinal axis, opposed cylinder heads for said cylinder, opposed rotatable supports adjacent the outer faces of said cylinder heads, a plurality of fixed flat butterworker shelves having relatively narrow mid-sections and varying in width substantially throughout their entire length and extending from cylinder head to cylinder head remote from the longitudinal axis of said cylinder, a fixed splitting bar disposed along the longitudinal central portion of said cylinder head, a substantially rectangular flat unloading shelf extending from cylinder head to cylinder head, said butterworker shelves being so constructed and arranged as to coast with said splitting bar to direct the butter being worked toward the central portion of said cylinder, and tightenable tie rod means individual to and passing through each of said shelves through said cylinder heads and through said rotatable supports for supporting said shelves and said cylinder heads directly upon said rotatable supports, whereby shelf loading stresses are transferred directly to said rotatable supports and said shelves and cylinder heads are compressed between said rotatable supports.

More specifically, the structure defined by the appealed claims comprises a cylindrical wooden churn drum or cylinder of the conventional stave type disposed to rotate about its longitudinal axis and having two respective drum heads or end walls. Within the cylinder are three shelves which combine with a central splitting bar provided with an axial tie rod hole extending throughout the entire length of the splitting bar. The ends of the splitting bar are mortised into the respective drum heads in the complementary recesses centrally located in the interior surface of the drum heads.

One of the three shelves, hereinbefore described, is referred to in appellant's specification as the unloading shelf and is comprised of two substantially rectangular boards with tie rods extending there-through. The other two shelves, as shown in the drawing, are relatively narrow at the mid-section of the cylinder and relatively wider toward and at each end of the cylinder.

As illustrated in the drawings, the shelves, having tie rod holes therethrough, are supported at the ends by tie rods which pass through the holes in the shelves, and the recesses in the cylinder heads, and the terminal plates of the supporting gudgeon arms. By tightening the nuts on the opposite ends of the tie rods, a rigid churn construction is secured.

The patent to Hougland relates to a churn and butterworker having a cylindrical processing churn body preferably constructed of wood and disposed for rotation about its horizontal axis.

Mounted within the cylinder and extending from end to end thereof are two oppositely disposed shelves, one of which is an unloading shelf composed of two plane wooden members, angularly disposed to each other. The outer edge of one such member extends in parallel, slightly spaced relation to the elements of the cylindrical body 5, that is, in parallel relation to the axis of the churn body.

Extending along the axis of and within the central portion of the cylinder is a bar adapted to coast with other members of the churn in retarding an end of the mass of butter on the shelves successively during the working operation.

In the Examiner's statement it was pointed out that—

The patent to Hougland shows it is cited to show it is old to provide a central splitting bar in a rotary churn. The splitting bar 33 of Hougland is the full equivalent of the splitting bar 29 of the application. The edges of the shelves 22 and 23 nearest the cylindrical wall of the drum are spaced from the cylindrical wall as in the application.

The patent to Godfrey relates to a churn and butterworker of the revolving drum type, comprising, in combination, a cylindrical barrel of wood stave construction having its opposed ends closed by two respective heads, also of wood.

The barrel is endwardly supported by a front and rear gudgeon. A series of three longitudinal shelves spaced about the circumference of the cylinder at equal intervals form an integral part of the wall structure. For further strength, the ends of the

shelves are mortised into each of the respective cylinder heads.

Each of the three longitudinal shelves has a longitudinal bore through its center portion, within which is positioned a tie rod extending endwardly through the respective cylinder heads and through the overlying gudgeons by which the cylinder or barrel is endwardly supported. The threaded ends of the tie rods carry nuts by which the two gudgeon arms and terminal pads are drawn tightly together to form a rigid assembly.

The reference patent to Boileau is appellant's own patent. The Solicitor for the Patent Office states with emphasis that such patent "not issued more than one year prior to filing the instant application, is of course not prior art, but is pertinent here merely as to what is claimed therein."

Claim 6 of the patent to Boileau reads as follows: 6. A churn and butterworker having, in combination, a processing drum horizontally disposed to rotate about its axis, a plurality of fixed butterworking shelves having relatively narrow mid-sections and extending from end to end of said drum adjacent the inner periphery thereof, a fixed splitting bar axially disposed in said drum, and a substantially rectangular unloading shelf, said butterworking shelves being of varying width substantially throughout their entire length and being so constructed and arranged as to direct the butter being worked toward the central portion of said drum, where it may be picked up as a unitary mass by the unloading shelf.

The Primary Examiner in his rejection of the claims here involved compared them not only with the counts of the interference upon which Godfrey was awarded priority of invention but also with the allowed claims in appellant's previously filed application.

The Examiner pointed out in detail the elements of the appealed claims which he considered were disclosed by the claims or applications of the cited references. He held in effect, if not in express terms, that the features included in the appealed claims did not constitute subject matter patentable over the art of record. The appealed claims were further rejected by the Examiner "as specifying an aggregation of the subject-matter lost in interference with that claimed in his allowed application and that disclosed in the patent to Hougland."

The Board of Appeals in affirming the action of the Examiner stated that it was not satisfied that the appealed claims were rejectable "as specifying an aggregation," but that it was satisfied, for reasons given by the Examiner, that the assembly defined by the appealed claims "does not represent an invention." After construing the statement of the Examiner relative to the disclosure of the art of record, the Board stated: "It appears that all applicant has done has been to assemble in one structure desirable features previously known, thereby not creating an invention."

Appellant petitioned the Board to reconsider its decision. The Board reconsidered its decision but declined to make any change therein.

Appellant propounds six questions which he alleges are involved in the determination of this appeal. Those questions have been analyzed by the court in the light of the facts presented in the record and as a result we find that the only material ques-

tion here involved is whether or not the appealed claims define subject matter that is patentable over the combined disclosures of the prior art of record.

[1] In the determination of that question the court may not properly hold that appellant is the first inventor of anything that is not patentably distinct from the subject matter of the counts involved in the interference hereinbefore described. See *In re Youker*, 22 CCPA (Patents) 1294, 77 F.2d 624, 25 USPQ 421, 461 O. G. 10. [2] Furthermore, the claims of appellant's issued patent may be properly considered in this case in determining the question of the patentability of the claims on appeal. See *In re Barge*, 25 CCPA (Patents) 1058, 96 F.2d 314, 37 USPQ 546, 496 O. G. 270.

One of the limitations included in each of the appealed claims calls for a shelf of varying width combined with a splitting bar on the inside of the churn. Claim 6 of appellant's issued patent calls for shelves having relatively narrow mid-sections, "a fixed splitting bar axially disposed in said drum," and butterworking shelves "of varying width."

Moreover, the splitting bar on the inside of the churn is an element old in the art, as disclosed in the patent to Hougland, and appellant has failed to show that the splitting bar in Hougland functions in a manner that is patentably distinct from the splitting bar defined by the appealed claims.

[3] A processing cylinder or drum together with the limitations of claim 10 which are relied upon as defining patentable subject matter over the disclosure of the art of record, are obviously disclosed by the limitations recited in claim 6 of appellant's issued patent and the disclosures of the patents to Hougland and Godfrey.

[4] Furthermore, the "whereby" provision contained in the last clause of claim 10, which appellant contends defines a function of the described structure that renders it patentably distinct from the disclosure of the art of record, is obviously a statement of result which of itself cannot impart patentability. *In re Crecelius*, 24 CCPA (Patents) 718, 86 F.2d 399, 31 USPQ 326; 474 O. G. 465.

[5] The respective features emphasized by appellant as defining other patentable subject matter in claims 11, 12, 13, 14, 15, and 16, which include the plurality of churn shelves varying in width, "tie rod means," a cylinder encompassing and mounted on cylinder heads, the spacing of the shelves away from the drum of the churn, and recesses "adapted to receive the end of a butterworker means," are structural features for the most part hereinbefore discussed in connection with claim 10. Those claimed features whether or not discussed have not been shown by appellant, however, to constitute subject matter patentable over the combined disclosures of the reference patents.

We have examined all the arguments and authorities cited by appellant in support of his position here and consider that no error has been shown by him in the holding of the Board that the combination of elements defined by the appealed claims does not involve invention.

In view of that conclusion, the court deems it unnecessary to present and pass upon subordinate points presented by appellant and the decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

By reason of illness, GARRETT, P. J., was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE ANDREAS

No. 5335. Decided November 17, 1947

[— F.2d —; — USPQ —]

1. PATENTABILITY—PROCESS—EXPLANATION OF OLD RESULT AND DISCOVERY OF NEW ADVANTAGE NOT.

The public cannot be deprived of the use of an old method which teaches how to obtain a desired result because a person in a subsequent application explains to the public why that result is obtained and shows that the old method is capable of producing a new advantage that was not known before.

2. SAME—METHOD OF PRINTING PICTURES.

Certain claims to a method of printing pictures held unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 464,027.

AFFIRMED.

Charles S. Grover and Roberts, Cushman & Woodberry (William M. Cushman and Robert Cushman of counsel for Andreas.

W. W. Cochran (H. B. Whitmore and Howard S. Miller of counsel) for the Commissioner of Patents. O'CONNELL, J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner in rejecting claims 2 to 11, inclusive, and claim 16 in appellant's application for a patent for "new and useful Improvements in Imbibition Printing." Claims 12 and 15 were allowed.

The references are: Ives, 1,188,939, June 27, 1916; Capstaff, 1,196,080, August 29, 1916; Troland, 1,535,700, April 28, 1925.

The rejected claims are drawn to method with the exception of claim 16 which is drawn to the article produced by the claimed method of printing color pictures. Claims 5 and 11 were rejected as being drawn to nonelected species and, therefore, need not be here considered on their merits.

Claim 2, which is generic, is illustrative and, for the purpose of this appeal, sufficiently descriptive of the involved subject matter. It reads:

2. The method of printing pictures upon a dye-absorptive light-sensitive blank which comprises first photographically printing the picture on the blank to form an image, differentially varying the hardness of the blank under the control of the image so that the blank is less absorptive in the high-light portions of the picture than in the shadow portions, and then printing the picture on the blank with an imbibition matrix, the picture being in register with said image.

The ground upon which appellant relies to establish patentability is summarized by his counsel as follows:

Appellant is the first to discover that imbibition prints can be greatly improved by a preliminary treatment which makes the gelatin of the blank harder where the high lights are to be printed than where the shadows are to be printed.

The patent to Ives, which has long since expired, relates to color photographs, multi-colored prints, motion picture films, together with a three-color method of forming each of three different images, or one-color components, to create in three successive steps a final single true-color image of the pictured object.

The specific procedure employed in the patent to Ives is described in the following excerpt from the Examiner's statement:

The Ives patent, which is the main reference, discloses a multicolor process in which the red-aspect negative is first photographically printed in a light-sensitive gelatin layer and toned to a blue image (page 2, line 45 on); the gelatin layer is then sensitized with a bichromate and photographically printed under the green-aspect negative or a positive thereof, to produce a hardened gelatin image which is dyed (page 2, line 82 on); and the third image is printed in registered relation onto the gelatin containing this hardened image by dye transfer from a positive imbibition matrix made from the blue-aspect negative (page 2, line 129 on). [Italics quoted.]

Ives states in his specification that he may omit that step of his method which calls for the introduction of the first color and print only the second and third colors, irrespective of whether there has been a previous color printed. That is, the patentee may print only the differentially hardened image of his second step and the imbibition image of his third step to comprise his entire method. This step is the one with which we are chiefly concerned herein.

It is important to note that in his specification Ives also states that he may print the differentially hardened image of his second step either from a negative or a positive.

The Examiner in rejecting the involved claims relied solely upon the disclosed procedure for forming a differentially hardened image by printing the bichromate layer from a positive. Regarding the teaching of the patent to Ives in that respect, the Examiner made the following remarks:

When the gelatin layer with or without the blue image is impregnated with the bichromate, it is rendered capable of hardening upon exposure to light. When exposed under the positive of one of the color selection negatives, a hardened negative image results. This same gelatin layer containing the hardened negative image, serves as the blank for the positive dye transfer image next applied, and necessarily forms an inversely hardened image which prevents diffusion and unsharpness of the dye transfer image in the same manner as in this application.

The patents to Capstaff and Troland, so far as pertinent, refer respectively to the use of a hardening bleach bath and a hardening developer. They disclose methods of differentially hardening the gelatin coating of a dye absorptive blank in each of which the gelatin layer is sensitized with a silver salt emulsion instead of a bichromate. There is no dispute that the technique of differential hardening as disclosed by these two patents is not new.

The Examiner held that the procedure described in the patent to Capstaff of developing a silver image and hardening it with a hardening bleach bath, and of hardening the silver image with a hardening developer, described in the patent to Troland, was well known in the art as the equivalent of the bichromate procedure for hardening the image described in the patent to Ives.

Claims 2, 6, 7, 8, and 16 were rejected by the Examiner as lacking invention over the disclosure

of the patent to Ives; claims 3 and 9 as unpatentable over the patent to Ives either alone or in view of the disclosure of either of the patents to Capstaff or Troland; and claims 4 and 10 as unpatentable over the patent to Ives alone or in view of the patent to Troland.

The position taken by the Examiner was that the patent to Ives, the principal reference, disclosed differential hardening as a preliminary step in making imbibition prints, and that the secondary references, Capstaff and Troland, disclosed the two specific methods claimed by appellant of differentially hardening gelatin.

Appellant requested the Examiner to reconsider his decision and, among other things, raised the objection that the disclosure of the patent to Ives was purely accidental, and that there was no legal basis for his action in modifying the disclosure of that patent by substituting the hardening technique disclosed by the patent to Capstaff and Troland to produce an anticipation of appellant's claimed method.

The Examiner overruled that objection together with the other points raised by appellant and adhered to his original decision. His action in so doing together with his action in finally rejecting the appealed claims as hereinbefore described was affirmed by the decision of the Board.

Appellant argues here as he did before the respective tribunals of the Patent Office that the disclosure of the patent to Ives was purely accidental and for that reason was without value in anticipating the subject matter defined by the claims on appeal. On the point in question, appellant's position here is presented by the following statement in his brief:

While Ives was evidently quite unaware of the fact, accidentally it probably so happened that the differential hardening of the gelatin layer incidental to the formation of the second component would affect the third component formed by imbibition. If he printed his second component from a positive it would make the gelatin harder in the high lights than in the shadows and, unbeknown to him, if the degree of hardening happened to be right for a purpose entirely beyond his ken, it would improve the quality of the third imbibition print. On the other hand, if he printed his second component from a negative it would make the gelatin harder in the shadows than in the high lights; and instead of accidentally helping the third imbibition print it would make it worse.

The fair inference to be drawn from the foregoing statement by appellant is that the quality of the imbibition prints disclosed by the patent to Ives is improved by the preliminary printing of his second component from a positive which makes the gelatin harder in the high lights than in the shadows.

Appellant contends, however, that the disclosure of the reference is of no value because Ives never conceived of the effect which could be produced by using a positive in the preliminary printing of his second component, and was evidently quite unaware of the fact that the differential hardening of the gelatin layer incidental to the formation of the second component would affect the third component formed by imbibition "if the degree of hardening happened to be right for a purpose entirely beyond his ken."

In support of his position appellant refers several times in his brief to certain passages in the speci-

cation of the patent to Ives and states that Ives "repeatedly says that no one of the prints affects any of the other three"; that Ives also says the formation of each component does not "interfere with a proper introduction of subsequent ones" or cause any "mutual impairment" of the other components or "conflict" with such other components.

The Solicitor for the Patent Office takes issue with appellant as to the significance of the passages hereinbefore described and urges that the record does not bear out the interpretation which appellant places upon them. The Solicitor deals with that point in his brief as follows:

* * * Appellant (Br. 16, 19, 20) refers to certain passages in Ives as saying "no one of the prints affects any of the other three." This statement is not borne out by Ives. The Ives passages cited indicate merely that one image does not "interfere with the formation of the subsequent images" (R. 36, lines 51 and 52); that the image forming steps "cooperate with each other by their independence of introduction and avoidance of mutual impairment, and by ability of the three monochrome images to mutually blend without conflict so as to give clear and satisfactory multi-color pictures" (R. 37, lines 47-52); that none will "interfere" with the others, and that the introduction of none will "weaken, diffuse or otherwise injure or destroy the previously introduced images" (R. 35, lines 76-80). Saying that images "cooperate" in such a way as not to "injure" or "interfere" with other images or cause undue diffusion is hardly the same as saying none in any way "affects" the others. On the contrary, Ives recognized (R. 37, lines 66-84) that imbibition printing on the blank at a time when the blank was in fact unhardened caused excessive diffusion, whereas after the differential hardening, his use of imbibition printing was "entirely suitable" (R. 37, line 81). [Italics quoted.]

The specification of the patent to Ives states that the gelatin layer when printed from a positive is "followed by immersion in the proper color of dye so as to cause the selective absorption of color into the gelatin in accordance with the negative." [Italics not quoted.] That statement, according to the Board's decision, is the equivalent of the following statement in appellant's specification:

* * * In either case the blank is made harder and less dye-absorptive in the high-light portions of the picture than in the shadow portions without leaving any substantial visual effects.

The foregoing excerpts from the respective specifications were cited by the Board to show that there was no merit in appellant's contention that Ives never conceived of the effect which could be produced by using a positive in the preliminary printing of his second component and was unaware of the fact that the differential hardening of the gelatin layer would affect the third component formed by imbibition.

Moreover, there is no foundation for appellant's argument that the specific degree of hardening to be employed for the purpose of effecting the differential hardening of the gelatin layer so as to improve the quality of the imbibition print was unknown to Ives since that matter is neither disclosed nor claimed by appellant. His claims are so drawn as to include any and every degree of hardening, and appellant's procedure in that respect reads on the positive procedure defined by the reference patent. No facts in the record have been indicated which support appellant's contention that he disclosed knowledge to the public on the point in question which to Ives was "entirely beyond his ken."

The disclosure of two alternative hardening procedures is relied upon by appellant to further estab-

lish the fact that Ives did not know or understand that the hardening of the gelatin layer incidental to the formation of the second component would affect the third component formed by imbibition. Appellant contends that if the use of a positive in printing the second component would improve the imbibition print, the use of a negative would impair the print to the same degree. The import of appellant's argument on this point is that Ives did not discover the great advantage of one of his alternative procedures over the other.

The Examiner held and the Board affirmed his action in so doing that since Ives gave specific directions for printing the second component from a positive, his disclosure in the same specification of an alternative procedure does not render his disclosure of the positive procedure less specific for the future guidance of persons skilled in the art, and that the public is entitled to all the advantages of that procedure even if they were never appreciated by the patentee.

[1] The public cannot be deprived of the use of an old method which teaches how to obtain a desired result because a person in a subsequent application explains to the public why that result is obtained and shows that the old method is capable of producing a new advantage that was not known before. See *Lovell Manufacturing Company v. Cary*, 147 U. S. 623, 634, 62 O. G. 1821; *DeForest Radio Co. v. General Electric Co.*, 283 U. S. 664, 682, 408 O. G. 243. The Supreme Court of the United States has further held that "It is not invention to perceive that the product which others had discovered had qualities they failed to detect." *General Electric Co. v. Jewel Incandescent Lamp Co. et al.*, 328 U. S. 242, 249, 582 O. G. 623.

After a critical examination of the record and the cited authorities, we agree with the tribunals of the Patent Office in holding that the disclosure of the patent to Ives was not an accidental disclosure but was a disclosure of such precision as would enable a person skilled in the art to carry out the method therein defined and thereby uniformly obtain the desired result.

Another point raised by appellant is that there was no justification for the action of the tribunals of the Patent Office in combining the references to build up an anticipation for the claims on appeal, since the only suggestion of the combination is to be found in appellant's disclosure and the modification of the procedure described in the patent to Ives would involve a change in that procedure which Ives did not contemplate.

The point here in issue is whether the art of record suggests to one skilled in the art the modification that has been made by appellant in substituting one or another of two well known hardening procedures for the hardening procedure that is well known and described in the patent to Ives. See *In re Fridolph*, 30 CCPA (Patents) 939, 134 F.2d 414, 57 USPQ 122, 552 O. G. 561. We think the art of record clearly suggests doing what appellant has done and that invention was not exercised by him in combining the elements defined by his claims on appeal.

The ground upon which each of the appealed claims was rejected by respective tribunals of the Patent Office has been reviewed, and we find no basis therein for overruling the decision of the Board. In view of that conclusion we do not deem it necessary to present and pass upon other points raised here by the argument of appellant, and the decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,793,453, A. E. Barill, Spring nut lock washer, filed Dec. 19, 1947, D. C., S. D. Calif., C. Div., Doc. 7864-BH, *A. E. Barill v. Stevenson Ladder Co. et al.*

1,813,295, C. Jackson, Tamping or ballasting machine, D. C., W. D. Mich. (Grand Rapids), Doc. 1096, *Pullman-Standard Car Mfg. Co. v. C. Jackson*. Stipulation and order dismissing suit Dec. 26, 1947.

1,816,700, A. W. Rosen, Automobile mirror, D. C., E. D. Mich., S. Div., Doc. 6744, *A. W. Rosen & Co. v. Ajax Mfg. Corp.* Stipulation and order dismissing suit with prejudice Dec. 23, 1947.

1,826,612, J. F. Gall, Wire-working mechanism, filed Nov. 28, 1947, D. C. Calif. (Los Angeles), Doc. 7805-B, *Simmons Co. v. Red Pen Engineering Co. et al.*

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, appeal filed Dec. 5, 1947, C. C. A., 1st Cir., Doc. 4316, *Loew's Drive-In Theatres, Inc., v. Park-In Theatres, Inc.*

2,009,677, G. R. Pennington, Shock absorber for motor vehicles, C. C. A. 6th Cir., Doc. 10428, *Pennington Engineering Co. v. Spicer Mfg. Corp.* Decree affirmed Dec. 10, 1947.

2,027,967, Elmslie & Caldwell, Anthelmintic, filed Nov. 13, 1947, D. C., N. D. Ill., E. Div., 47c1625, *Moorman Mfg. Co. v. Fidelity Laboratories, Inc.*

2,034,400, E. G. Keeling, Gear shifting mechanism, C. C. A., 8th Cir., Doc. 13402, *General Motors Corp. v. E. G. Keeling*. Judgment of lower court affirmed Dec. 17, 1947.

2,036,757, J. W. Hume, Adjustable balancer for vehicle wheels, filed Dec. 18, 1947, D. C., E. D. Mich., S. Div., Doc. 7074, *H. O. Loney Co. v. John Bean Mfg. Co.*

2,044,176, L. McCulloch, Non-inflammable paints, filed Dec. 18, 1947, D. C., N. D. W. Va., Doc. 423-W, *W. E. Hooper & Sons Co. v. Blue Ribbon Paint Co.*

2,105,398, Barrett & Hirschhorn, Reinforced porcelain tooth crowns, D. C., S. D. N. Y., Doc. 36/700, *Ne-Dent Porcelain Studio, Inc., v. Reinforced Crown Corp.* Order dismissing cause for lack of prosecution Dec. 11, 1947.

2,161,657, G. B. Hansburg, Combined chair and table for infants, D. C., S. D. N. Y., Doc. 40/136, *Metropolis Bending Co. et al. v. Ivel Corp. et al.* Consent judgment favor plaintiff, sustaining patent, adjudging infringement and granting injunction (notice Dec. 23, 1947).

2,220,237, J. E. Hall, Well cleaner, filed Dec. 22, 1947, D. C., W. D. La. (Shreveport), Doc. 2315, *J. E. Hall v. J. F. Keller*.

2,242,303, P. H. Irmischer, Swivel Joint, filed Nov. 26, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1704, *P. H. Irmischer v. B. & W. Supply Co.*

2,256,212, A. R. Morrison, Inhalator, D. C., S. D. Calif. (Los Angeles), Doc. 6698-PH, *T. A. Harrigan et al. v. G. T. Davison et al.* Dismissed as to H. Mendolho and B. Luther only. Judgment favor plaintiff Dec. 11, 1947.

2,300,842, F. H. Leslie, Louver for slant roofs, filed Nov. 26, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1700, *F. H. Leslie v. Standard Steel Cabinet Co.*

2,334,578, R. H. Potters, Method of and apparatus for producing glass beads, filed Dec. 9, 1947, D. C., E. D. Mo. (St. Louis), Doc. 5698, *Potters Bros., Inc., v. Flex-O-Lite Mfg. Corp. et al.*

2,371,756, J. Gomborg, Yarn bobbin, filed Oct. 13, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1454, *Merit Mfg. Co. v. S. S. Kresge Co.*

2,392,513, E. W. Town, Cushion for artificial dentures, filed Dec. 22, 1947, D. C., W. D. Mo. (Kansas City), Doc. 4949, *E. W. Town et al. v. Sealtight Dental Pad Co.*

2,413,056, J. I. Levyn, Decorative bar pin, filed Dec. 19, 1947, D. C., E. D. N. Y., Doc. 8783, *Jilko Service Products v. Military Merchandise Co.*

2,422,834, J. L. Kleinman, Shoulder-pad, filed Dec. 15, 1947, D. C., S. D. N. Y., Doc. 44/324, *J. L. Kleinman v. Betty Dain Creations, Inc.*

2,427,961, Group & Schonholts, Watch dial construction, filed Nov. 28, 1947, D. C., S. D. N. Y., Doc. 44/183, *Berna Swiss Dials, Inc., v. Swiss Watch Dial Co., Inc.*

Re. 21,232, H. A. Van Dyke, Vulcanizing unit, filed Dec. 24, 1947, D. C., E. D. Wis. (Milwaukee), Doc. 4508, *H. A. Van Dyke et al. v. J. W. Speaker Corp.*

Des. 137,132, A. R. Grossman, Spectacle frame, D. C., S. D. N. Y., Doc. 26/555, *A. R. Grossman v. Vogue Optical Mfg. Co.* Order dismissing cause for lack of prosecution Dec. 11, 1947.

Des. 137,471, F. Adams, Hat, D. C., S. D. N. Y., Doc. 32/481, *Lady Hatgrip, Inc., v. S. Goldbaum*. Order dismissing cause for lack of prosecution Dec. 11, 1947.

Des. 147,374, V. Nemeroff, Bed lamp, filed Dec. 2, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1728, *Electro Mfg. Corp. v. L. Morana et al.*

T. M. 283,322, The Albert Dickinson Co., Pop corn, filed Nov. 12, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1618, *The Albert Dickinson Co. v. Mellos Peanut Co. of Illinois, Inc.*

T. M. 283,575, A. C. Lawrence Leather Co., Leather, including shearlings or wool pelts, filed Dec. 19, 1947, D. C. N. J. (Newark), Doc. 10929, *A. C. Lawrence Leather Co. v. Lawrence Fur Processing Corp.*

T. M. 288,284, Automatic Canteen Co., Vending machines, D. C., N. D. Ill., E. Div., Doc. 47c793, *Automatic Canteen Co. of America et al. v. Clearing Canteen Service*. Injunction granted Dec. 12, 1947.

NOTICES

Notice of Tentative Recordation of Trade Name

[T. D. 51822]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Jan. 7, 1948

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"G. Ricordi & Co.," owned by G. Ricordi & Co., Inc., a corporation of New York, 12 West Forty-fifth Street, New York 19, N. Y., which is applied to, and used in connection with the sale of, music publications including, without being limited to, operatic scores, vocal scores, librettos, orchestral scores and any and all other types of musical compositions, the merchandise being manufactured (printed) in Milan, Italy, and in isolated instances in Buenos Aires, Argentina.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after January 20, 1948. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Acting Commissioner of Customs.

Erratum—Trade-Mark Registrations Renewed

In the OFFICIAL GAZETTE of January 13, 1948, page 240, under the heading "Trade-Mark Registrations Renewed," first column, fifth registration, first line thereof, for 55,031, "BBB WITHIN DIAMOND-SHAPED DESIGN," read 53,968, "BBB" WITHIN DIAMOND-SHAPED DESIGN.

Disclaimers

2,404,063.—*Emmett Healy*, Janesville, Wis. FOUNTAIN PEN. Patent dated July 16, 1946. Disclaimer filed Dec. 30, 1947, by the assignee, *The Parker Pen Company*.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, and 6 of said patent.

2,409,230.—*Charles H. Taylor*, Springfield, Mass. SUCTION CLEANING APPARATUS. Patent dated Oct. 15, 1946. Disclaimer filed Dec. 23, 1947; by the assignee, *Westinghouse Electric Corporation*.

Hereby disclaims from the scope of claim 1 any suction cleaner except wherein the filter is movably mounted on and driven by the shaft of the fan motor unit during the normal full speed operation thereof.

Adjudicated Patents

(C. C. A. Ga.) Holmes patent, No. 2,169,952, for a proportional mixing scale, claim 1 *Held* valid and infringed. *Zachos v. Sherwin-Williams Co.*, 164 F.2d 234; 75 USPQ 266.

(C. C. A. Md.) Evans and McDonough patent, No. 2,352,524, for a depilatory, claims 2 and 11 to 13 *Held* valid. *Hustler Bros. Co. v. Sales Affiliates*, 164 F.2d 260; 75 USPQ 260.

Cancellation Notice

Charles Glaze, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Famous Virginia Foods, Inc., 922 Jefferson St., Lynchburg, Va., to effect the cancellation of trade-mark registration of Charles Glaze, Exeter, Calif., No. 248,970, dated November 6, 1928. The Office has been advised that said Glaze is deceased. E. Florence Glaze, Executrix, was afforded an opportunity to intervene. No response having been made thereto, notice is hereby given that unless said Glaze, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 16, 1948.

Classification Order No. 21

December 9, 1947

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In class 41, Ornamentation (Division 67)

Apparatus and appliances

Painters

6 Mixing charts

In class 188, Brakes (Division 68)

Operators

Spring

172 Electric release

Dependent motor and brake circuits

In class 214, Material or Article Handling (Division 4)

Roadway vehicle loading or unloading

Self loading or unloading vehicles

81.5 Hayrack type, movable car

In class 260, Chemistry, Carbon Compounds (Division 50)

Synthetic resins

29 With solvent or dispersing medium

30 Phenolic-aldehyde products

31 Polycarboxylic acid-polyhydric alcohol reaction products

32 Polymerized unsaturated compounds

33 With flux

34 Phenolic-aldehyde products

35 Polycarboxylic acid-polyhydric alcohol reaction products

36 Polymerized unsaturated compounds

In class 318, Electricity, Motive Power Systems (Division 26)

Follow-up system of motor control

20 With means to amplify transmitter signals

CHANGE SUBCLASS TITLES

In class 154, Laminated Fabric and Analogous Manufactures, change the title of subclass 42 to read:

42 Adhering-seam forming apparatus

In class 260, Chemistry, Carbon Compounds, subclasses 462 and 607 should read:

462 Boron-containing acid

607 S. Se, Te, P or B containing

ESTABLISH SUBCLASSES

In class 20, Wooden Buildings (Division 33)

1.8 Service Station Type

In class 29, Metal Working (Division 13)

Assembling and disassembling apparatus

Applying and removing resilient articles

(e. g., tubes, sleeves, etc.)

235.5 Nipples to nursing bottles

In class 30, Cutlery (Division 53)

164.9 Scratching implements

In class 33, Geometrical Instruments (Division 66)

Gauges

Wheel

203.1 Watch

203.11 Tread contour

203.12 With wheel supporting means

203.13 Roller or drum

203.14 Pivoted or sliding scuff board

203.15 Floor supported, wheel contacting

203.16 Plane and radius

203.17 Trammel

203.18 Axle, vehicle or wheel supported

203.19 Plane and radius

203.2 Trammel

203.21 Trammel

In class 35, Education (Division 23)

Teaching

28.3 Drawing, painting, and sculpturing

28.5 Color comparison charts

28.5 Painters' mixing charts

In class 81, Tools (Division 29)

Vises

17.2 Fluid pressure operable

In class 82, Turning (Division 13)

Lathes

2.5 With work feeding and/or removing

2.7 Magazine type

In class 154, Laminated Fabric and Analogous Manufactures (Division 67)

Adhering-seam forming apparatus

42.1 Film splicers (To follow subclass 42)

42.2 Longitudinally movable carriage

42.3 Tape applying

Miscellaneous processes

116.5 Edge treatment or laminating

Utilizing non-adhesive securing means

In class 214, Material or Article Handling (Division 4)

Roadway vehicle loading or unloading

Self loading or unloading vehicles

Conveyor

83.1 With worker support

83.12 Unit load handling type

83.14 Power driven with cooperating handling means

83.16 Auxiliary power driven conveyor

83.18 With gate means

83.2 Multiple gates

83.22 With movable upright plate

83.24 Laterally movable rigid platform type

83.26 Shiftable or removable conveyor unit

83.28 Pneumatic type

83.3 Reciprocating type

83.32 Screw type

83.34 Flexible conveyor type

83.36 Endless

In class 257, Heat Exchange (Division 32)

Conduits

262.1 Conductive filler and/or bedding

262.11 Interconnected by heat transfer means

262.12 Longitudinal

262.13 Integrated from heat transfer means

262.14 External-internal heat transfer means

262.15 Wall piercing

262.16 Heat transfer means assembled to pre-formed conduit

262.17 Reticulated and/or coiled

262.18 Undulating longitudinally extending

262.19 Longitudinal

262.2 Helical

262.21 Helically disposed heat transfer means

262.22 Longitudinally disposed heat transfer means

262.23 Corrugated, fluted or deformed wall uniform in thickness

In class 260, Chemistry, Carbon Compounds (Divisions 6, 31, 50)

Synthetic resins

7.5 With protein or derivative

Polycarboxylic acid-polyhydric alcohol reaction products (Division 50)

29.1 With solvent, dispersing medium or flux

29.2 Water containing

29.3	Phenolic-aldehyde products
29.4	Amine- or amide-aldehyde products
29.6	Polymerized unsaturated compounds
29.7	From polyene compounds
29.8	Terpenes or derivatives
30.2	Heterocyclic compounds
30.4	Hetero-O-cyclic
30.6	Phosphorus-containing compounds
30.8	Sulfur-containing compounds
31.2	Carboxylic acids, salts and esters
31.4	Ether-alcohol containing esters
31.6	Polyhydric alcohol esters
31.8	Polycarboxylic acids, salts and esters
32.2	Oxo- or oxy-acids, salts and esters
32.4	Nitrogen-containing compounds
32.6	Amines or amides
32.8	Aldehydes or ketones
33.2	Ethers
33.4	Alcohols or phenols
33.6	Hydrocarbons
33.8	Halogenated hydrocarbons
34.2	Processes
	From aldehydes
72.5	With amines or amides
	Aromatic amines
448.2	Carboxylic or acyclic
448.8	Silicon-containing (Division 31)
	Silicon-containing-acid esters
	Esters and processes of making same
	(Division 6)
	Nitrile or isonitrile
465.1	Acyclic
465.2	From non-oxo-carbonylic compounds (through the amide)
465.3	From hydrocarbons
465.4	Non-oxo-carbonylic
465.5	Amino
465.6	Oxy
465.7	Halogen
465.8	Polynitrile
465.9	Unsaturated

In class 318, Electricity Motive Power Systems (Division 26)

Follow-up system of motor control

Self-synchronous type of motor

23.5 With means to amplify transmitter signals

MISCELLANEOUS CHANGES

On page 188-1, subclasses 148, 149 and 150 should be moved one step of indentation to the left.

On page 210-1, subclass 42.5 should be moved one step of indentation to the left so as to be coordinate with subclass 9, Water purification.

On page 257-1, subclasses 46, 47, 48, 49 and 50 should be moved one step of indentation to the right so as to make subclass 46 coordinate with subclass 45.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Subclass	Disposition Class	Subclass
41	6	35	28.3, 28.5
188	172	188	171
		318	336+
214	81.5	214	83.24
260	29 through 36	260	29.1 through 34.2
318	20	318	23.5

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Subclass	Source Class	Subclass
20	1.8	222	173+, 192
		184	1.5
29	235.5	215	100
30	164.9	81	1
		145	1
33	203.1 to 203.21	23	203
35	28.3, 28.5	41	6
		88	14
		206	81
81	17.2	81	17
82	2.5, 2.7	82	2
154	42.1, 42.2, 42.3	154	42
154	116.5	154	42, 116
214	83.1 to 83.36	214	83, 81.5
257	262.1 to 262.23	257	262 and 263
260	7.5	260	6
260	29.1 to 34.2	260	29 to 36
260	72.5	260	72
260	448.2	260	607
260	448.8	260	462
260	465.1 to 465.9	260	464
318	23.5	318	20

IN THE DEFINITIONS

20, Wooden Buildings

in the class definition under II, after subclass 1.126 add:

1.8—Service station type

establish the following subclass definition:

1.8. Buildings, pits, roadway constructions and the like combined with vehicle servicing devices, such as gasoline, oil, grease or air dispensers; or combined with oil or grease receivers used generally for crankcase and transmission draining operations, and the like.

(1) Note.—"Buildings" includes booths, canopies, railings, floors and turntables or the like which provide floors or runways for a vehicle.

(2) Note.—Pits combined with servicing apparatus which (1) provide clearance space for an attendant, or (2) have associated with them means constituting a traversed portion of a roadway, i. e., covers or the like, are found here.

(3) Note.—"Roadway constructions" includes curbing, sidewalks, highways, airstrips, and the like.

(4) Note.—The term "servicing" applies to filling or draining operations performed on a vehicle and does not include repairing or analogous work operations.

Search Class—

72—MASONRY AND CONCRETE STRUCTURES, subclass 5 for masonry pit constructions.

104—RAILWAYS, subclass 44 for vehicle turntables.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclasses 45 and 123 for vehicle washing apparatus.

184—LUBRICATION, subclass 1.5 for crankcase and transmission draining and flushing devices.

187—ELEVATORS, appropriate subclasses for elevators per se.

189—METALLIC BUILDING STRUCTURES, subclass 1 for metallic pit constructions.

214—MATERIAL OR ARTICLE HANDLING, subclass 1, for vehicle inverting devices.

222—DISPENSING, appropriate subclasses, for gasoline, oil and grease dispensers.

254—PUSHING AND PULLING IMPLEMENTS, subclass 89+, for multiple jack arrangements for elevating a vehicle.

21, Preserving, Disinfecting and Sterilizing

in the class definition under Notes II, D, (1) add:

Cellulose esters and ethers with a preservative are classified with compositions in Class 106, Compositions, Coating or Plastic, inasmuch as their main utility is in coating and plastic compositions and the preservation in general is not for prevention of deterioration under storage conditions but under conditions of use, e. g., molding or exposure of coated or molded articles to heat, light or moisture.

29, Metal Working

establish the following subclass definition:

235.5. Apparatus under subclass 235 for elastically expanding the open end of a resilient nipple for the insertion of the mouth of a nursing bottle into the nipple and removable from between the overlapped ends of bottle and nipple to permit the nipple to contract about and grip the bottle.

Search Class—

215—BOTTLES AND JARS, subclass 11, for nursing bottles including those with means for withdrawing the contents and subclass 100 for nipple applicators claimed in combination with the bottle and/or nipple.

222—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 80+, for devices for applying closures to portable receptacles.

30, Cutlery

in subclass 164.5, under "Search this class, subclass" add:

164.9—for pointed scratching implements

establish the following definition:

164.9. Devices under the class definition for marking by means of a point or cutting edge.

(1) Note.—These devices are often called scoring tools, scribes, or scratch awls.

Search this class, subclass—

164.5—for ice picks

Search Class—

33—GEOMETRICAL INSTRUMENTS, subclass 18+ for marking devices combined with structure to make a geometrical instrument.

49—GLASS, subclass 48+ for devices for scratching glass.

120—STATIONERY, appropriate subclasses for pen and pencil type marking devices.

164—CUTTING AND PUNCHING SHEETS AND BARS, subclass 123.3+ for hand manipulable pricking implements (i. e., awls), and subclass 124 for the pricks per se.

33, Geometrical Instruments

in subclass 18 under "(2) Search Classes" add in numerical order:

30—CUTLERY, subclass 164.9, for hand manipulable devices for marking by means of cutting.

establish the following subclass definitions:

203.1. Wheel gauges under subclass 203 specially constructed for gauging watch wheels.

Search Class—

31—Tools, subclass 6 for watchmakers' tools.

203.11. Wheel gauges under subclass 203 for determining the shape or contour of a wheel tread.

203.12. Wheel gauges under subclass 203 provided with means for supporting the wheels undergoing test.

203.13. Wheel supporting gauges under subclass 203.12 in which the supports are rollers or drums.

203.14. Wheel supporting gauges under subclass 203.12 in which the supports are pivoted or sliding scuff boards.

203.15. Wheel gauges under subclass 203 which contact the axle or wheel and are supported on a base, usually a floor.

203.16. Subject matter under subclass 203.15 for determining the radius of the wheel, or its variation from a plane.

Search this class, subclass—

203.16—for axle vehicle or wheel supported devices.

203.17. Subject matter under subclass 203.15 in which contacting members are slidably mounted on a beam.

Search this class, subclass—

158, 203.2 and 203.21—for other trammel type devices.

203.18. Wheel gauges under subclass 203 which are supported by the axle, vehicle or wheel.

203.19. Subject matter under subclass 203.18 have wheel contacting members for determining the radius of a wheel or its variation from a plane.

Search this class, subclass—

203.16—for floor supported devices.

203.2. Subject matter under subclass 203.18 in which contacting members are slidably mounted on a beam.

Search this class, subclass—

203.17, 203.21—for other trammel type devices.

203.21. Wheel gauges under subclass 203 having wheel contacting members slidably mounted on a beam.

Search this class, subclass—

158, 203.17, 203.2—for other trammel type devices.

34, Drying and Gas or Vapor Contact with Solids

in subclass 5, under (4) Note change "83 Mills, appropriate subclasses" to read: *Class 18, Plastics, subclasses 2.4 + and 47.2 +.*

35, Education

establish the following subclass definitions:

28.3. Subject matter under subclass 28 comprising arrangements of colors in the abstract for the purpose of comparing them as to hue, shade, tint and analogous characteristics.

Search this class, subclass—

27—for color comparison involving ornamental design.

28—for color comparison involving models.

Search Class—

33—OPTICS, subclass 14, for color testing by comparison of the unknown color of an article with a known color.

28.5. Subject matter under subclass 28.3 including instructions for mixing basic colors to obtain a desired combination color.

in subclass 50, add:

Search this class, subclass—

28.3 +—for color comparison charts.

in subclass 59, note (1), change "26" to 26 + and cancel: "(2) Note."

49, Glass

in subclass 48, under "(2) Search Classes" add in numerical order:

30—CUTLERY, subclass 164.9 for hand manipulable devices for scratching by means of a cutting edge.

51, Abrading

in subclass 215, under "Search Class," cancel the reference to class 82, Turning and substitute:

82—TURNING, subclass 2.5 +, for lathes having work feeding and/or removing means, and subclass 21 +, for lathe carriage feeds.

68, Textiles, Fluid Treating Apparatus

in subclass 15, cancel the notes and substitute:

(1) Note.—Liquid heaters are placed in other classes, mainly classes 122, LIQUID HEATERS AND VAPORIZERS, and 126, STOVES AND FURNACES, when no significant structure for fluid treatment of textiles is claimed.

Search this class, subclass—

147 +—for machines provided with heating means in a fluid circulatory system, particularly 191 + where the flow of liquid or pumping action is induced by heat.

207—for devices for preheating the fluid while feeding the same to a washing machine.

Search Class—

122—LIQUID HEATERS AND VAPORIZERS, (see note 1). 126—STOVES AND FURNACES, subclass 344 +, (see note 1).

in subclass 16, after "Machines" insert *under subclass 15.*

78, Metal Forging and Welding

in subclass 96, add:

Search Class—

82—TURNING, subclass 2.5 + for lathes with work feeding and/or removing means.

81, Tools

establish the following subclass definition:

17.2. Devices under subclass 17 having fluid pressure operating means.

Search Class—

131—MOTORS—EXPANSIBLE-CHAMBER TYPE, subclass 38 + for servo motors per se.

82, Turning

establish the following subclass definitions:

2.5. Lathes under subclass 2, having means for delivering and/or removing the work piece to or from a position of engagement with that portion of the lathe which supports the work piece during the turning operation.

Search Class—

29—METAL WORKING, subclass 58 + for stock and blank feeders for combined metal working machines.

198—CONVEYERS—POWER DRIVEN, appropriate subclasses for conveying mechanism per se.

2.7. Lathes under subclass 2.5 having a storage device in which a plurality of work pieces are accumulated in an orderly arrangement and positioned so that they may be engaged by the means for delivering the work piece to the work support of the lathe.

Search Class—

29—METAL WORKING, subclass 60, for magazines delivering work pieces to lathe-chucks or blank turrets of combined machines.

140—WIREWORKING, subclasses 27 and 38, for wire fence-making machines provided with hoppers that supply slats for the manufacture of fences; and subclass 53 for machines having magazines for the supply of clips, lock-plates, and the like.

88, Optics

in subclass 16, (2) Note, change "42" to 42.1 +.

90, Gear Cutting, Milling and Planing

in subclass 11.46, under "Search Class," add:

82—TURNING, subclass 2.5 +, for lathes with work feeding and/or removing mechanisms.

93, Paper Manufactures

in subclass 36.9, add:

Search Class—

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 42.3, for apparatus for making adhering seams including means for applying a tape.

106, Compositions, Coating or Plastic

in subclass 285, (5) Note, change "subclass 29 and indented subclasses" to *subclasses 29.8 and 33.6.*

113, Sheet-Metal Ware—Making

in subclass 113, under "(2) Search Classes," add:

82—TURNING, subclass 2.5 +, for lathes with work feeding and/or removing devices.

120, Stationery

in the class definition under "Search Class" add in numerical order:

30—CUTLERY, subclass 164.9, for hand manipulable devices for marking by means of a cutting edge,

154, Laminated Fabric and Analogous Manufactures

in subclass 2.71, insert:

Search this class, subclass—

42 +—for adhering seam forming apparatus.

116 +—for processes of edge laminating of sheet material in general.

in subclass 2.77, in the note, change "32, 36" to read 29.1—34.2.

in subclass 15, insert:

Search this class, subclass—

43.5—for wall or panel structures having features of construction to "self heal" punctures.

in subclass 42, cancel the definition and note and substitute:

42. Apparatus for forming seams including an adhesive binder and which is not otherwise provided for.

(1) Note.—The adhesive binder may be added or may result from treatment of the material being adhered with a solvent or with heat.

Search this class, subclass—

2.71—for edge treatment or sealing of laminated glass.

43—for seams and joints per se resulting from a laminating operation.

35—for cut seaming methods.

116 +—for processes for forming adhering seams.

Search Class—

12—BOOT AND SHOE MAKING, subclass 59.5, for machines for applying tape to shoe uppers and other appropriate subclasses for adhering seam forming in connection with shoe manufacturing.

93—PAPER MANUFACTURES, appropriate subclass, for packaging and box making including means for making adhering seams.

113—SHEET-METAL WARE—MAKING, subclass 59 +, for forming seams by a soldering operation.

283—APPAREL APPARATUS, subclasses 2 to 4, for adhering seam forming in connection with collar, cuff or bosom making.

226—FILLING AND CLOSING PORTABLE RECEPTACLES, appropriate subclass, for closing portable receptacles by a seam forming operation when combined with filling or other operation there provided for.

establish the following subclass definitions:

42.1. Apparatus under subclass 42 adapted for splicing of photographic film.

(1) Note.—Many of the patents in this subclass are directed to splicers for motion picture film.

Search Class—

88—OPTICS, subclass 14, for motion picture film editing.

42.2. Apparatus under subclass 42.1 which includes carriages which move longitudinally of the film for bringing the ends of the film into splicing engagement.

42.3. Apparatus under subclass 42 which includes means for applying a strip or tape in the formation of the seam.

Search this class, subclass—

1.6—for apparatus for applying tapes to sheet material in general.

53.5—for laminated adhesive tapes per se.

116—for methods for applying tapes to sheet material in general.

Search Class—

93—PAPER MANUFACTURES, subclass 36.9, for box making machines including tape applying machines.

216—LABEL PASTING AND PAPER HANGING, appropriate subclass for label pasting and paper hanging.

in subclass 85, under "Search this class, subclass" change the reference to subclass 42 to read:

42 +—for seam forming apparatus.

and add:

116 +—for seam forming processes per se other than cut seaming.

in subclass 116, insert the following note:

(1) Note.—This and the indented subclass includes seam forming per se, when other than cut seaming.

under "Search this class, subclass," change the reference to subclass 42, to read:

42 +—for seam forming apparatus per se.

and under "Search Class" insert the following:

29—METAL WORKING, subclass 179.5, for processes for making bonded metal to non-metal joints not otherwise provided for. See the notes to that subclass for location of other joint making processes.

establish the following subclass definition:

116.5. Processes under subclass 116 which employ in addition to the adhesive means, a non-adhesive securing means.

Search this class, subclass—

118—for laminating processes in general in which non-adhesive securing means are employed.

155, Chairs and Seats

in subclass 33, in (2) Note change "115" to 115 +.

in subclass 78, after (5) Note add:

Search this class, subclass—

115 +—for bracket supported seats which move rearwardly to increase the aisle space in front of the same.

157, Wheelwright Machines

in subclass 6, add:

Search Class—

254—PUSHING AND PULLING IMPLEMENTS, subclass 50.1 +, for tire compressors which operate to spread a portion of the tire casing.

188, Brakes

abolish the definition of subclass 172.

189, Metallic Building Structures

in subclass 9, in "(1) Search this class," cancel "and subclass 79."

in subclass 69, in "(1) Search this class," cancel "and 79."

193, Clutches and Power Stop Control

in subclass 116.5 insert the following

(0.5) Note.—This subclass includes devices having an electric motor drive where a mechanical stop mechanism stops the drive independently of any motor control or deenergization, even though the stopping of the drive incidentally causes control or deenergization of the motor.

Search Class—

26—TEXTILES, CLOTH FINISHING, subclass 10 for stopping machines for cutting pile loop threads.

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 36 for automatic power stop mechanism applied to significantly included comminution.

318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclasses 466 + and 477 + for electric driven motor devices combined with a mechanical stop mechanism and the stopping operation requires control of the motor as well as operation of the stop mechanism. See note (0.5) above.

and cancel notes 2 and 3.

in subclass 150 under "Search Class" add:

318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 434 for electric motor systems including a yieldable member in the mechanical output of the motor with means actuated by the yieldable member for controlling the motor other than by deenergization to limit the motor load, current or torque, and subclass 474 + for electric motor systems including a yieldable member in the output of the motor with means actuated by the yieldable member for deenergizing the motor.

206, Special Receptacles and Packages

rewrite the definition and notes to subclass 59 as follows:

59. Packages of material in roll form and/or including a reel.

(0.5) Note.—This subclass includes the reel construction unless the form of the same is specific for use in a special machine.

(1) Note.—Where a strand package is involved there is usually a container, wrapper or restraining means which must be removed or mutilated before strand delivery can be effected, i. e., the package is of the "shipping" or "handling" type rather than of "strand delivery" type.

Search this class, subclass—

50—for cloth roll packages.

52, to 55—for roll packages for, ribbons, braids, trimmings, plushes, velvets, and the like, and

56—for dispensing packages for paper rolls.

Search Class—

242—WINDING AND REELING, subclasses 68 +, 74, 77, 110 +, 118 + and 129 for spools, reels, and coil holders per se; subclasses 134 + and 141 + for delivery holders for a wound strand supply and particularly subclasses 137 + and 146 for such devices of the receptacle type; and subclass 159 + for strand packages of the "strand delivery" type, or for packages consisting of a strand mass, wound in a particular manner, with or without a core.

214, Material or Article Handling

In subclass 82, cancel the notes thereto, and substitute:

Search this class, subclass—

29—for similar devices applied to a furnace charging scoop.
44—for ejectors not self-contained in the vehicle.
57—for plows drawn over vehicles to unload them.
83.22—for conveyor flights or attachments which function like followers.
83.3—for reciprocated conveyers adapted to load or unload a vehicle.

Search Class—

37—EXCAVATING, subclass 118 and appropriate indented subclasses, particularly subclasses 124, 126 and 129, for scoops equipped with unloading ejectors.
56—HARVESTERS, subclass 395, for rake clearing devices.
275—SCATTERING UNLOADERS, for self unloading vehicles combined with means for scattering the load.

establish the following subclass definitions:

83.1. Vehicles under subclass 83 having a support for a person carried thereby in working relation to the conveyer.

(1) Note.—The supports are provided primarily to facilitate the placing of commodities on the conveyer by a person stationed on the support.

Search Class—

155—CHAIRS AND SEATS, subclass 51, for seats of this type claimed per se.
260—LAND VEHICLES, subclass 29, for combination of seats and vehicle with running gear.
266—LAND VEHICLES, BODIES AND TOPS, subclass 64, for combinations of seats and vehicle bodies.

83.12. Vehicles under subclass 83 for handling freight containers or articles in which (1) the conveyer includes means for coupling a container or article to it for movement therewith; or (2) relative movement between the vehicle load support and the conveyer is provided for transferring a container or article from the support to the conveyer for movement therewith.

(1) Note.—By unit load is meant a container or containers carrying "less than car load lots" as well as articles which are handled in similar fashion.

Search this class, subclass—

36, 41 and 44—for external cooperating means for loading or unloading freight containers or articles to or from a vehicle.

Search Class—

105—RAILWAY ROLLING STOCK, subclass 366, for railway cars loaded with removable containers of this type.
220—METALLIC RECEPTACLES, subclass 1.5, for freight containers per se.

83.14. Vehicles under subclass 83 having a power driven conveyer and another material handling means mounted on the vehicle and so related to the material carrying portion of the vehicle as to coact with the conveyer to facilitate loading or unloading of the vehicle.

(1) Note.—By "power driven conveyer" is meant that type of conveyer which is normally classified in class 198.

(2) Note.—Self loading or unloading vehicles provided with (1) means for agitating the material, (2) means for spreading material within the vehicle, or (3) means for moving material to or from the conveyer, are classified here.

Search this class, subclass—

91—for vertically swinging load supports combined with an endless conveyer.

Search Class—

198—CONVEYERS, POWER DRIVEN, subclass 8 +, for loading conveyers with coating gatherers. Combinations of a self loading vehicle with a coating gatherer have been classified on the basis of the conveyer involved and cross referenced to the appropriate subclass in class 198.

83.16. Vehicles under subclass 83.14 in which the co-operating handling means comprises a power driven conveyer or conveyers.

(1) Note.—The vehicle conveyer generally is positioned within the vehicle whereas the auxiliary conveyer means is normally mounted outboard of the vehicle.

Search this class, subclass—

75—for auxiliary cooperating conveyer in the form of a lift or elevator.

Search Class—

198—CONVEYERS, POWER DRIVEN, subclass 82 +, for conveyers arranged to feed in a single line.

83.18. Vehicles under subclass 83 having movable gate means for controlling the charging or discharging of material by the conveyer to or from the vehicle.

Search this class, subclass—

17—for bin or tank unloading devices.

Search Class—

296—LAND VEHICLES, BODIES AND TOPS, subclass 50 +, for vehicle body end gates.
296—LAND VEHICLES, DUMPING, subclass 7, for gravity unloading vehicles with load-delivering chutes; also subclass 23 for gravity unloading vehicles having tilting bottoms with cover or end-gate control.

83.2. Vehicles under subclass 83.18 in which a plurality of gates are provided to control the flow of material to or from the vehicle.

(1) Note.—The multiple arrangement normally provides selective discharge of material from the vehicle onto the unloading conveyer.

83.22. Vehicles under subclass 83 having an upright plate secured to and movable with the conveyer within the vehicle body to load or unload the vehicle.

Search this class, subclass—

82—for upright followers or ejector plates not combined with a conveyer.

83.24. Vehicles under subclass 83 in which the conveyer comprises a rigid platform type of load support laterally movable to a loading or unloading position.

(1) Note.—The movement of the platform may be (1) from a position within the vehicle to a position projecting therefrom, or (2) from one end of the vehicle to the other.

83.26. Vehicles under subclass 83 in which the entire conveyer is shiftably and/or removably attached to the vehicle.

(1) Note.—This subclass includes conveyers which may be variably positioned to load and/or unload the vehicle as well as those which may be placed in a storage position on the vehicle when not in use.

Search Class—

198—CONVEYERS, POWER DRIVEN, subclass 117 +, for movably mounted conveyer units.

83.28. Vehicles under subclass 83 in which the loading or unloading means is a pneumatic conveyer.

Search Class—

302—CONVEYERS, FLUID CURRENT, subclass 4 +, for vehicle-mounted pneumatic conveyers which do not load the vehicles upon which they are mounted.

83.3. Vehicles under subclass 83 in which the conveyer has a to-and-fro movement and moves the material a distance and then returns either for more material or for another hold on the same material.

Search this class, subclass—

82—for followers which eject the entire load or a substantial part thereof.

Search Class—

198—CONVEYERS, POWER DRIVEN, subclass 218 +, for reciprocating conveyers per se.

83.32. Vehicles under subclass 83 in which the loading or unloading means is a screw conveyer.

Search Class—

198—CONVEYERS—POWER DRIVEN, subclasses 15 and 64, for screw conveyers combined with supply chambers and subclass 213 + for screw conveyers per se.

222—DISPENSING, subclass 412 +, for dispensers having screw type discharging means.

83.34. Vehicles under subclass 83 in which the loading or unloading means comprises a flexible conveyer movable across the bed of a vehicle.

(1) Note.—Flexible platforms movable over a vehicle bed which are wound upon or unwound from drums carried by the vehicle are placed here.

83.36. Conveyers under subclass 83.32 in which the flexible conveyer is endless.

Search Class—

198—CONVEYERS—POWER DRIVEN, appropriate subclasses, for endless conveyer constructions per se.

222—DISPENSING, subclass 415, for dispensers having endless conveyer type discharging means.

215, Bottles and Jars

In subclass 11, add:

(3) Note.—Apparatus for applying nipples to nursing bottles is found in class 29, METAL WORKING, subclass 235.5.

In subclass 100, add:

(4) Note.—See class 29, METAL WORKING, subclass 235.5, for devices for applying nipples to nursing bottles.

220, Metallic Receptacles

In subclass 4, in (2) Note change "16" to 2.

222, Dispensing

In subclass 192, (3) Note, cancel the comma after "shields" and substitute *and*.

and cancel: "and the ground, buildings, and walk ways". and under "Search Class" add:

20—WOODEN BUILDINGS, subclass 1.8, for gasoline, oil, grease or air dispensers combined with buildings, pits, roadway constructions or the like.

226, Filling and Closing Portable Receptacles

In subclass 56, under "Search Class" in the reference to class 154, cancel: "subclass 42," and substitute: *subclass 42 +, for apparatus for, and subclass 116 +, for methods*.

In subclass 80, under "Search Class" add in numerical order:

29—METAL WORKING, subclass 235.5, for apparatus for applying nipples to nursing bottles.

242, Winding and Reeling

In subclass 159, under "Search Class" cancel the subject matter and substitute the following:

206—SPECIAL RECEPTACLES AND PACKAGES, subclass 59, for strand packages of the "shipping" or "handling" type, and see (1) Note thereunder for the line.

252, Compositions

In the class definition in "(6) Search Class" in 260, change "29-32" to 29.1-34.2.

and in subclass 302, under "Search Class" in the reference to class 260, change "29-32" to 29.1-34.2.

254, Pushing and Pulling Implements

cancel only the definition of subclass 50.1 and substitute the following:

50.1. Apparatus under the class definition comprising means for engaging and applying force either to spread apart or to press together the beads or side walls of resilient tire casings.

(0.5) Note.—The spreading apart of the beads is usually disclosed as opening the interior of the casing for inspection while the pressing together of the side walls is usually disclosed as opening up surface defects in the tread portion of the casing.

257, Heat Exchange

In subclass 262, in note (1), after "having" insert: *only internal*

and cancel the comma after "baffles."

rewrite "(2) Search this class", as follows:

Search this class, subclass—
150—for radiators having similar heat exchange means.

261—for cylinders having similar heat exchange means.

263—for heat exchange elements.

establish the following subclass definitions:

262.1. Conduits under subclass 262 embedded in a mass of heat conducting material and/or filled with such a mass. Includes conduits which are mere passageways through such a mass.

Search this class, subclass—

241 +—for heat transfer means for transferring heat from one confined fluid to another.

262.11. Conduits under subclass 262 comprising two or more fluid confining passageways interconnected by heat transfer means exterior of the confined fluids.

Search this class, subclass—

241 +—for heat transfer means for transferring heat from one confined fluid to another.

262.1— for similar structure where the heat transfer means is a conductive bedding.

262.12. Subject matter under subclass 262.11 having the heat transfer means disposed longitudinally along the runs.

Search this class, subclass—

262.19—for attached longitudinal heat transfer means not interconnecting conduits.

262.22—for integral longitudinal heat transfer means not interconnecting conduits.

262.13. Conduits under subclass 262 which are composed of an extended portion of the heat transfer means by a number of pieces being joined together or by a single strip being wound in the form of a helix.

Search Class—

29—METAL WORKING, subclass 157.3, for processes of making radiators.

113—SHEET-METAL WARE—MAKING, subclass 118, for processes of making radiators of sheet metal.

262.14. Conduits under subclass 262 in which heat transfer means are also internal.

Search this class, subclass—

262.13—for interiorly extending heat transfer means that constitute the conduit wall.

262.22—for conduits with wall deformations convected inwardly.

Search Class—

138—PIPES AND TUBULAR CONDUITS, subclass 38, for conduits having baffles or other flow regulating means disposed internally only and designed to facilitate the transfer of heat.

262.15. Subject matter under subclass 262.14 having the heat transfer means extending through the conduit wall.

262.16. Conduits under subclass 262 to which the heat transfer means are connected by a seam or are merely disposed in contact with the conduit. Such means are in the nature of fin like appendages as fins, pins, thin plates, buttons and beads as distinguished from a coating or casing.

262.17. Subject matter under subclass 262.16 having reticulated or coiled heat transfer means.

262.18. Subject matter under subclass 262.16 where the heat transfer means are wavy in form, the wave crests being transverse of the conduits' long axis and disposed as if the waves were sweeping along the conduit.

262.19. Subject matter under subclass 262.16 in which the heat transfer means are disposed in a path parallel to the conduits' flow axis.

Search this class, subclass—

262.12—for longitudinal interconnecting means.

262.22—for longitudinal integral means for single conduit.

262.2. Subject matter under subclass 262.16 in which the heat transfer means are disposed in a helical path.

262.21. Conduits under subclass 262 on which the heat transfer means are disposed in a helical path.

Search this class, subclass—

262.13—for conduits formed by spiraling a strip an extended portion of which forms the heat transfer element.

262.2—for helical attached means.

262.22—for conduits which have helically disposed wall deformations, e. g., a fold in the conduit wall in the form of a spiral.

262.22. Conduits under subclass 262 having the heat transfer means disposed in a path parallel to the conduit's flow axis.

Search this class, subclass—

262.12—for longitudinal interconnecting means.

262.19—for longitudinal attached means for single conduit.

262.22—for conduits having mere flutes or deformations extending longitudinally of the conduit.

262.23. Conduits under subclass 262 having wall deformations to extend the perimeter disproportionately to the conduit's fluid conducting capacity, such deformations effecting an in phase change in the inner and outer wall surface contour. Also conduits which have longitudinal variations in flow path cross section for special heat transfer effects.

260, Chemistry, Carbon Compounds

In the class definition, at the end of the fourth paragraph add:

"Cellulose ethers and esters admixed with a preserving agent are classified in class 106, COMPOSITIONS, COATING or PLASTIC inasmuch as their main utility is in plastic and coating compositions".

In subclass 2, in (3) Note, add:

"However the polymerization products of ethers and esters of carbohydrates with unsaturated alcohols and acids (e. g., allyl starch) are included here".

establish the following subclass definition:

7.5. Products under subclass 6 which contain a polycarboxylic acid-polyhydric alcohol reaction product.

abolish the definitions of subclasses 29, 30, 31, 32, 33, 34, 35, 36.

establish the following subclass definitions:

29.1. Products under subclass 2 containing an added non-resinous agent, a solvent, dispersing medium or flux and not classifiable above.

(1) Note.—Solutions or dispersions incidentally formed during a resin-forming reaction employing a solvent medium or a vehicle including a dispersing agent are placed here in the appropriate subclass when the solution is specifically claimed. When the claims are all directed to the process, the patents are classified on the basis of the synthetic resin therein formed.

(2) Note.—Patents wherein the solvent, dispersing medium or flux is merely claimed broadly, are classified on the basis of the synthetic resin therein contained. However, those patents wherein the solvent, dispersing medium or flux is broadly claimed but include specific proportions or special treatment or a specific solution aid or dispersion aid are placed in this subclass.

(3) Note.—For varnishes containing a synthetic resin associated with a fatty oil, see subclass 18+.

(4) Note.—The term flux is intended to include plasticizers, softeners, swelling agents, mold lubricants, or other similarly functioning agents, not provided for above.

29.2. Products under subclass 29.1 wherein the added agent is water.

29.3. Products under subclass 29.2 wherein the resin is a phenolic-aldehyde reaction product.

29.4. Products under subclass 29.2 wherein the resin is an amine- or amide-aldehyde reaction product.

29.6. Products under subclass 29.2 wherein the resin is a polymerized unsaturated compound.

29.7. Products under subclass 29.6 wherein the resin is formed by polymerization of compounds containing at least two double bonds not present in a benzene nucleus.

29.8. Products under subclass 29.1 wherein the added agent is a terpene or derivative thereof.

30.2. Products under subclass 29.1 wherein the added agent is a heterocyclic compound.

30.4. Products under subclass 30.2 wherein the heterocyclic compound is a hetero-O-containing compound.

30.6. Products under subclass 29.1 wherein the added agent is a phosphorus-containing compound.

30.8. Products under subclass 29.1 wherein the added agent is a sulfur-containing compound.

(1) Note.—For compositions containing a hetero-S-containing compound as a flux or solvent, see subclass 30.2.

31.2. Products under subclass 29.1 wherein the added agent is a carboxylic acid, salt or ester thereof.

(1) Note.—For products containing a fatty oil acid or salt thereof, see subclass 18+.

31.4. Products under subclass 31.2 wherein the added agent is a carboxylic acid ester of an alcohol containing an ether group.

31.6. Products under subclass 31.2 wherein the added agent is a carboxylic acid ester of a polyhydric alcohol.

31.8. Products under subclass 31.2 wherein the added agent is a polycarboxylic acid, salt or ester thereof.

32.2. Products under subclass 31.2, wherein the added agent is an oxy- or oxo-carboxylic acid, salt or ester thereof.

32.4. Products under subclass 29.1 wherein the added agent is a nitrogen-containing compound.

32.6. Products under subclass 32.4 wherein the nitrogen-containing compound is an amine or amide.

32.8. Products under subclass 29.1 wherein the added agent is an aldehyde or ketone.

33.2. Products under subclass 29.1 wherein the added agent is an ether.

33.4. Products under subclass 29.1 wherein the added agent is an alcohol or phenol.

33.6. Products under subclass 29.1 wherein the added agent is a hydrocarbon.

(1) Note.—For compositions containing mineral waxes and bitumens, see subclass 28.

33.8. Products under subclass 29.1 wherein the added agent is a halogenated hydrocarbon.

34.2. Processes under subclass 29.1 which are directed to solution, dispersion or plasticization of resinous compounds.

(1) Note.—Where a process is claimed, the product of which is classifiable above under subclass 29.1+, the original has been placed in the appropriate product subclass and a cross-reference placed here.

in subclass 42, under "Search this class" change "72" to 72+.

establish the following subclass definition:

72.5. Products under subclass 72 which comprise the reaction products of an aldehyde with an aromatic amine.

in subclass 93, (2) Note, change "subclass 36" to subclasses 29.6-34.2 and change "subclass 464" to subclass 465.9.

in subclass 224, under Note, change "subclass 11" to subclass 9.

in subclass 404, (3) Note, change "subclass 464" to subclasses 465.1 and 465.2.

establish the following subclass definitions:

448.2. Compounds under subclass 350 containing Si and not classified above.

448.8. Compounds under subclass 448.2 which are esters of silicon containing acids, e. g., methyl orthosilicate.

in subclass 462, cancel "or silicon-containing" and "methyl orthosilicate".

in subclass 464, in the Note, cancel "and acyclic".

establish the following subclass definitions:

465.1. Compounds under subclass 464 which are acyclic in structure.

465.2. Processes under subclass 465.1 for producing acyclic nitriles from non-oxo-carbonylic compounds, wherein the reaction starts with or proceeds through the formation of an amide.

(1) Note.—This subclass includes for example, processes wherein a carboxylic acid is reacted with ammonia to form the ammonium salt and is subsequently dehydrated to the amide and the nitrile as well as processes in which the starting material is an amide which is dehydrated to the nitrile.

465.3. Processes under subclass 465.1 for producing acyclic nitriles from hydrocarbons.

(1) Note.—This subclass includes for example, processes wherein an unsaturated hydrocarbon is reacted with hydrocyanic acid or ammonia in the presence of catalysts to form nitriles.

465.4. Compounds under subclass 465.1 which contain a non-oxo-carbonylic radical, e. g., cyanoacetic acid and cyanoethyl alpha-chloroacrylate.

465.5. Compounds under subclass 465.1 which contain an amino group, e. g., amino-aceto-nitrile.

465.6. Compounds under subclass 465.1 which contain an oxy group, e. g., ethylene cyanhydrin.

465.7. Compounds under subclass 465.1 which contain a halogen bonded to carbon, e. g., alpha-chloroacrylonitrile and trichloropropionitrile.

465.8. Compounds under subclass 465.1 which contain more than one nitrile group, e. g., succinonitrile and adiponitrile.

465.9. Compounds under subclass 465.1 which contain a double or triple bond between two adjacent carbons e. g., acrylonitrile and 1-cyano-1, 3-butadiene.

in subclass 566, in the Note, change "72" to 72+.

in subclass 607, cancel "silicon".

in subclass 796, (1) Note, change "72" to 72+.

273, Amusement Devices, Games

in subclass 82, cancel the definition and substitute:
Subject matter under subclass 87 comprising bowling pins.

315, Electric Lamp and Discharge Devices, Systems

in subclasses 361 and 362 change "Systems under subclass 363" to read: *Systems under the class definition*

318, Electricity, Motor Power Systems

in the class definition, section IE6, add:

c. The combination of an electric motor system of the type classifiable per se in this class (318) with a positive stop mechanism of the type classifiable per se in class 192, CLUTCHES AND POWER STOP CONTROL, is as follows:

Where an electric motor driven device is combined with a mechanical stop mechanism, and the mechanism stops the drive independently of any motor control or deenergization, even though the stopping of the drive incidentally causes control or deenergization of the motor, classification is in class 192, CLUTCHES AND POWER STOP CONTROL. Where the stopping operation requires control of the motor as well as operation of the stop mechanism, classification is in this class (318).

establish the following subclass definition:

23.5. Subject matter under subclass 23 in which means are provided for receiving a signal or control energy from the initiating controller or transmitter and delivering to the follow-up motor a signal or control energy, the magnitude or energy content of which is appreciably greater than that received from the controller or transmitter.

(1) Note.—This subclass excludes mere voltage or current transformer systems where the magnitude of either the voltage or current output is greater than the input voltage or current, but the energy content at the output is the same or less than the input energy.

Search this class, subclass—

227—for induction motor control by space discharge devices in the primary circuit.

227—for induction motor control by space discharge devices in the field or secondary circuit.
506+—for motor armature or primary circuit control by space discharge devices.
522—for motor field or secondary circuit control by space discharge devices.

Search Class—

171—ELECTRICITY, GENERATION, appropriate subclasses, for miscellaneous systems for controlling the output of a quantity of electrical energy by means of a smaller quantity of electrical energy.
175—ELECTRICITY, GENERAL APPLICATIONS, subclass 353 for current amplifiers.
179—TELEPHONE, subclass 171, for amplifiers designed to repeat in the output circuit the electrical wave impressed on the input circuit.

MARK TAYLOR,

Acting Executive Primary Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I. Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,226,887. FLEXIBLE DRIVE TENSION MEANS. Patented Dec. 31, 1940. This patent refers to a tensioning means particularly adapted to the driving of a generator of a railway passenger car from the car axle by means of a belt or group of belts and pulley arrangements to obtain electric power. The arrangement enables the generator to be centrally located on the car truck frame thus eliminating the unbalance found in many truck-hung generators. Parts for providing the desired drive ratio are all incorporated in a single housing allowing the use of stock generators of standard speeds. (Owner) Carl E. Wood, 7416 Harwood Ave., Milwaukee 13, Wis. Groups 35-66; 36-41. Reg. No. 9,071.

Pat. 2,429,845. VELOCIPED. Patented Oct. 28, 1947. A four-wheel velocipede and hobbyhorse so combined that when the rider rocks he propels the vehicle forward. An oscillatory rider-structure in the form of a hobbyhorse is supported on a four-wheel base by two crossed pairs of links pivotally connected at their upper ends with the seating structure and at their lower ends with the sides of the wheeled base frame. A connecting rod is pivotally united at upper end with seating structure and at lower end with a crank forming the center of the rear axle, which is the propelling axle. A steering rod is pivoted to bell crank levers secured to outer ends of front axle and extends above the head of the horse. (Owner) Charles E. Scoles. Address correspondence to William S. McDowell, 1035 Huntington Bank Bldg., Columbus 15, Ohio. Group 39-43. Reg. No. 9,072.

Pat. 2,429,978. CENTRIPETAL-CENTRIFUGAL PUMP. Patented Nov. 4, 1947. Making better use of internal space enables this pump to occupy less room than is ordinarily required by pumps of similar type. The interior of a cylindrical pump casing is divided into intake and discharge sections by a rotor which includes a pair of end plates which flank an intermediate plate having a central opening. Each section has a series of helical impeller blades arranged so that a centripetal flow is induced in the intake section and a centrifugal flow is induced in the discharge section. Radial fins on the interior rim of the casing extend toward the rotor to inhibit the creation of eddy currents within the pump. In operation the rotor is turned by a pulley arrangement, as is usual, and flow maintained by the suction created as the fluid is pumped into the casing and forced through the central opening

of the intermediate plate. The direction of flow is changed as the fluid emerges through the central opening by the channels defined by the blades on the opposite side of the intermediate plate so that the fluid is discharged through an outlet provided for the purpose. The apparatus may be used as a booster pump for a closed hot-water system, or for general pumping purposes. (Owner) Richard Blanchard, 17 Bond St., Gardner, Mass. Group 35-61. Reg. No. 9,073.

Pat. 2,429,437. TOOTHBRUSH. Patented Oct. 21, 1947. A toothbrush with hollow handle has a removable flexible brush insert which may be adjusted to change the shape of the brushing surface from concave to convex. The insert, mounted in a recess, has one end pivoted and the other end fastened by a hook on the end of an actuator reciprocable rod extending through the handle. A swivelly mounted finger piece may be turned to different notches to lock the shaft in desired position to control the contour of the brushing surface. (Owner) Maurice J. Walker, 1755 E. 67th St., Chicago 49, Ill. Group 39-22. Reg. No. 9,074.

Pat. 1,957,080. LIGHT SHIELD. Patented May 1, 1934. A light shield designed to be used inside automobile headlights, illuminating roadway but eliminating the glare ordinarily projected. A slightly concave auxiliary reflector is held back of the light bulb, resiliently adjacent the shank of the bulb. A cup-like light-diffusing element is supported by the auxiliary reflector so as to enclose the bulb, emitting a soft white light, which is projected by the reflector through the lens of the headlight. By a system of spacing the reflector from the socket and the light-diffusing element from the reflector (by ears fitting into a concave groove surrounding the reflector) heat from the bulb and reflector is allowed to escape but any light escaping is reflected by the outer wall of the groove. (Owner) Roth No-Glare Lite Company. Address correspondence to Wm. A. Roth, 984 E. Fifth St., St. Paul 6, Minn. Group 38-41. Reg. No. 9,075.

Des. Pat. 147,059. DESIGN FOR AN EARRING HOLDER. Patented July 8, 1947. This design shows a horizontal frame with cross pieces slanting vertically, on which earrings hang when not in use. (Owner) Shirley C. Nissen, 57 W. Lassaic St., Maywood, N. J. Groups 25-99; 33-73; 30-81; 40. Reg. No. 9,076.

Des. Pat. 147,928. **DESIGN FOR A BELT.** Patented Nov. 18, 1947. The belt shown has a baseball motif. The buckle or large center ornament depicts a stylized baseball diamond. Small designs of mitts, bats, and balls are displayed around the belt. (Owner) Sam Platt, 222 Beaumont St., Brooklyn 29, N. Y. Group 23—83. Reg. No. 9,077.

Des. Pat. 147,891. **DESIGN FOR A DINING BAR.** Patented Nov. 18, 1947. A dining bar unit consisting of a folding table and four folding seats. (Owner) Mrs. Vera J. Crawford, 2120 H St., N. E., Washington 2, D. C. Group 25—11—14—19—21—22. Reg. No. 9,078.

Pat. 2,428,688. **CHUCK.** Patented Oct. 7, 1947. This chuck has two sections bolted together to form an annular shell, having a work-receiving opening in the front section and a threaded opening through a boss in the rear section for connecting to a support for mounting in a lathe. The lower end of a vertically slidable yoke in the shell constitutes a lower movable jaw. An upper opposed jaw is slidably mounted in the yoke. A right-hand operating screw is threaded into the top of the yoke and rotatably maintained in the shell against axial displacement. An internally threaded bore of this screw receives a threaded left-hand screw, the lower end of which is rigidly connected to the upper jaw. Rotation of the right-hand operating screw in reverse directions closes and opens the jaws which are moved the same amount so that they are spaced equidistant from the center at all times. (Owner) Morris Stischer, 114 Felisa St., San Antonio, Tex. Group 35—43. Reg. No. 9,079.

Pat. 2,428,980. **GAUGE FOR MEASURING CHEST EXPANSION.** Patented Oct. 14, 1947. A chest-encircling strap for use with patients undergoing pulmonary treatment or for exercising chest muscles. The adjustable strap has an elastic connection and a channel at front with graduations, in which a slide is mounted for indicating chest expansion. (Owner) Chris McCann, P. O. Box 87, Dillard, Ore. Group 39—16. Reg. No. 9,080.

Pat. 2,430,665. **BEE HARVESTER WITH TOPPER.** Patented Nov. 11, 1947. A beet harvester for attachment to a tractor. As the harvester moves forward, the tops are cut from beets by adjustable knives pivoted at front of frame. An elevating conveyor picks up the cut tops and delivers them to a discharge conveyor which drops them upon the ground. Digging blades are arranged in pairs back of the topping knives. The blades, adjusted by means of beams pivoted to a cross bar, enter the ground and lift the beets. The blades have fingers which serve as shakers to remove dirt from the beets. Elevating conveyors carry the beets to a transverse discharge conveyor which drops them into a wagon. The machine may be constructed to gather beets from one or more rows at a time. (Owner) Walter G. Briggs, Ault, Colo. Group 35—22. Reg. No. 9,081.

Pat. 2,431,287. **KNEE PROTECTOR.** Patented Nov. 18, 1947. Knee protector, comprising a strip of cloth having a slide fastener, is adapted to encircle a person's leg at, above, and below the knee. Elastic strips at top and bottom render the protector form-fitting. A guard strip underlies the slide fastener. A removable pad, which has elastic straps projecting from one side, is secured inside the protector by snap fasteners. (Owner) Robert A. Washington, 405 Carlton Ave., Brooklyn 5, N. Y. Groups 23—29; 39—49. Reg. No. 9,082.

Pat. 2,430,689. **LUMBER HANDLING MACHINE.** Patented Nov. 11, 1947. A machine mounted on wheeled chassis to be easily movable in lumber yards is designed for handling or conveying lumber for stacking. A pair of continuous motor-driven conveyor chains having pairs of spaced arms receive a piece of lumber at one side of machine and transport it upward, across, and downward to receiving or stacking point at any height on other side. Conventional transmission mechanism with gear and shift lever provides for changing of speed and reverse drive. The chassis, frame is so pivoted that the machine maintains horizontal position even though ground on one side has higher elevation than on other side. (Owner) O. L. Shook, P. O. Box 267, Keysville, Va. Groups 24—21; 35—62. Reg. No. 9,083.

Pat. 2,430,142. **CARRIER HANDLE.** Patented Nov. 4, 1947. An adjustable, detachable bail handle for carrying shopping bags, packages, and flat articles such as panes of glass or boards. Two side pieces of heavy wire are turned in at top to fit into bore of handle grip. Lower end of each side piece is inserted in a tube for locking at various lengths by set screws. Lower portion of carrier is a frame of heavy wire with ends fastened in the tubes by screws and the cross section turned back on itself to form a carrying space for flat articles. (Owner) Stephen C. Roberts, 4818 N. E. 25th Ave., Portland 11, Ore. Groups 25—99; 33—12—41; 40. Reg. No. 9,084.

Pat. 2,431,104. **METAL TIE.** Patented Nov. 18, 1947. This wall tie for holding furring strips may be cast in a concrete wall during pouring thereof or anchored in the joints between a block wall. It consists of a pliable band of sheet metal folded upon itself to provide a pair of superimposed arms which are joined along a portion of their length. The unjoined ends are bent at right angles and encased in paper or other material which will prevent the bent ends of the tie from becoming bonded with the concrete. The encased portion of the tie will lie between the inner surface of a form board and the outer surface of the wall. When the form board is removed, the encased portion lies in a recess in the wall. The wrapping is then removed and the ends pulled outwardly and bent to hold two adjacent furring strips. Modifications are shown. (Owner) Elizabeth Borda Bright, 114—38 173rd St., St. Albans 12, Long Island, N. Y. Groups 32—71; 33—81. Reg. No. 9,085.

Pat. 2,058,914. **APPARATUS FOR PRODUCING IMAGES OF OBJECTS.** Patented Oct. 27, 1936. Reg. No. 9,086.

Pat. 2,070,319. **APPARATUS FOR INFLUENCING THE CHARACTER OF ELECTRON RAYS.** Patented Feb. 9, 1937. Reg. No. 9,087.

These two patents relate to like subject matter as generally described in Patent 2,058,914. Electron rays, such as those emitted by a heated cathode, subjected to radial influence of magnetically or electrostatically controlled diaphragms, act much the same way as light rays passing through an optical lens. When an object impervious to electron rays is exposed to an electron beam being projected on a fluorescent screen, an enlarged image of the object is produced on the screen. Based on such images, high power microscopes and telescopes may be constructed in which fine details are visible far beyond those obtained from lenses in which the optical resolving power is limited by the wavelength of light. Patent 2,070,319 relates to diaphragm arrangements which influence the density of the beam, causing the beam to be parallel, converging, or diverging depending upon the position and electric charge of the diaphragm. For example, if the potential of the diaphragm is made negative, the beam is made to converge to a focal point; if posi-

tively charged, the beam is made to diverge. By combination of various diaphragms, all devices known in optics and based on converging and diverging beams may be imitated. Numerous arrangements are shown in both patents. (Owner) Reinhold Rudenberg, 32 Ross Road, Belmont, Mass. Groups 36—92; 39—13.

Pat. 2,169,889. **DETACHABLE GRAIN DOOR UNIT FOR BOX FREIGHT CARS.** Patented Aug. 15, 1939. Grain door unit consisting of a door frame, a door housing, and a slidable door mounted therein may be readily attached to or detached from the inside of standard box cars. The door may be slid laterally into and out of the housing, or vertically in the frame to provide an exit for grain beneath the lower edge of the door. The opening in the door frame of the unit approximates the size of the door opening of the box car, but the door is of lesser width to permit it to be slid vertically. The frame and housing are well braced and connected in a manner to constitute a strong rigid unit. The frame and housing with the door mounted therein may be handled as a unit without liability of weakening, damaging, or losing any of the parts. The unit may be made of a combination of wood and metal. (Owner) John P. Glauquinto, 170 Locomotive Ave., Rome, N. Y. Groups 24—31; 37—12. Reg. No. 9,088.

The following three patents relating to refrigeration and air-cooling units are owned by Fred J. Heldeman, % AeroFlo Cooling Systems, 7415 Mack Ave., Detroit 14, Mich. Group 35—84.

Pat. 2,002,575. **COMPRESSOR UNIT.** Patented May 28, 1935. Reg. No. 9,089.

Compressor unit and motor, mounted to operate with a minimum of friction, are hermetically sealed in a dome surrounded by condenser coils. Gas from the compressor is discharged into the dome and, as pressure is built up, it is discharged into the condenser. The lubricating system performs the added function of reducing the load on the motor when it starts. A sliding piston valve actuated by oil pressure and a spring functions to open and close a bypass communicating with the interior of the dome and cylinder so that, when the motor starts, gas from the dome will flow into the cylinder and back into the dome. As the motor picks up speed, built up oil pressure actuates the valve to block the bypass and open a lubricating port. The compressor is provided with an oscillatory and reciprocative cylinder in the form of a rectangular block and oscillatory piston. An intake port in the cylinder wall is adapted to register with a kidney-shaped cavity on the cylinder bearing surface of a base plate to admit gas from the evaporator into the cylinder.

Pat. 2,013,848. **AIR COOLING AND CONDITIONING UNIT.** Patented Sept. 10, 1935. Reg. No. 9,090.

In this unit liquid is frozen during active periods of the compressor to provide refrigeration for conditioning air during prolonged idle periods. The unit has a container formed from a single piece of sheet metal comprising a row of parallel troughs spaced to provide air passages therebetween. A pair of end plates closes the ends of the troughs with the lower ends of the plates slotted to provide openings registering with the passages. The end plates and the outer walls of the outermost troughs extend sufficiently upwardly to form a chamber which communicates with all the troughs. The troughs and chamber are partially filled with freezable liquid. An evaporator is immersed in each trough with the evaporators connected in series. All foregoing structure is enclosed in a U-shaped open-ended casing spaced from the bottom and sides of the container to provide additional air passages.

Pat. 2,188,349. **HOLD-OVER REFRIGERATION UNIT.** Patented Jan. 30, 1940. Reg. No. 9,091.

This refrigeration unit is of the type involving submergence of an evaporator in liquid in a tank and freezing the liquid during active periods of the compressor to permit

prolonged idle periods while maintaining substantially full refrigerant effect. In this unit at least two vertical walls of a rectangular tank are corrugated with metal plates secured on the outside to provide a series of vertical open-ended air passages. When the unit is installed in an enclosed space, air flowing downwardly into the passages will be more effectively cooled and consequently will acquire greater downward velocity than would otherwise prevail, thus resulting in a more rapid and efficient circulation of the surrounding air.

Pat. 2,430,408. **COIN CONTACT AND RELEASE RELAY ASSEMBLY.** Patented Nov. 4, 1947. A coin-controlled switch and release unit for operating the circuits of vending machines, phonographs, and various other machines. An insulated pocket has two or more contact blades which, when bridged by insertion of a coin, close the circuit. A release device consists of an electromagnetic relay with a pivoted armature having an insulated plate fixed thereto which forms a release door for coin pocket and is urged by a spring to normally closed position. When coin is inserted, the circuit is closed, energizing the relay, and the pole of the magnet moves the armature to open the pocket and permit the coin to pass from the pocket, breaking the circuit and resetting the mechanism. (Owner) City Vending Equipment Corporation, 58—64 Maurice Ave., Maspeth, N. Y. Groups 35—73—74; 36—61. Reg. No. 9,092.

Pat. 2,306,682. **RUG STRETCHER MACHINE.** Patented Dec. 29, 1942. An adjustable rug stretcher and drying rack maintains rug in its proper size and shape while being cleaned, sized, etc. A pair of parallel side rails are supported by legs at each end, with cross-braces to form a rigid table-like structure. Crossed rods provided with turnbuckles for placing them under proper tension maintain fixed parallel relation of rails. Front and rear heads, transversely overlying rails, are provided with upstanding pins which are forced into ends of rug. Co-acting means are provided on rails and rear head for locking in position to fit length of rug. (Owner) Mrs. Beatrice Zumwalt. Address correspondence to Eugene D. Farley, 517 Dekum Bldg., Portland 4, Ore. Groups 25—99; 33—91. Reg. No. 9,093.

Pat. 2,430,711. **TUMBLER CONTROLLED LOCKING DEVICE.** Patented Nov. 11, 1947. Tumbler controlled locking assembly for permutation or combination locks is designed so that when the lock is installed the tumbler back can be removed only when the tumblers are turned to their proper opening combination. This prevents unauthorized persons from tampering with the lock when the safe is open to ascertain the combination. A special screw which anchors the tumbler back to the usual lock plate of a safe or vault is provided with its shank flattened along one side. The screw shank extends inwardly above a group of disc-shaped, rotatable tumblers, each having a notch in its side edge. The edges of the tumblers are close enough to the shank to prevent rotation of the screw. Only a person knowing the combination is able to arrange the tumblers in their proper opening combination with the notches aligned to provide clearance space to permit rotation of and unscrewing of the screw. (Owner) F. Dusterwald, 1575 East 12th St., Brooklyn, N. Y. Group 33—59. Reg. No. 9,094.

Pat. 2,430,761. **LATHE CHUCK.** Patented Nov. 11, 1947. A lathe chuck for various types of metal-working machines. Jaws move radially to the spindle axis and recede into hollow body of spindle to give a smooth path for work to slide in and prevent accumulation of dirt. When work is placed in the spindle, an operating rod is moved to

slide a jaw-actuating ring along the spindle, whereupon wedging faces of the ring and jaws move the jaws against the work to clamp it in place. A stop limits the distance work is inserted, and removable adapters on jaws accommodate work of different sizes. (Owner) Henry J. Duphilly, Box 353, North Las Vegas, Nev. Group 35—43. Reg. No. 9,095.

Pat. 2,107,226. SQUEEZE TUBE CAP. Patented Feb. 1, 1938. This collapsible tube features a cap which does not have to be removed for contents to be dispensed. A rubber top on the cap lifts when pressure is applied so that a thin ribbon of toothpaste, shaving cream, etc., is exuded through a lipped opening. When pressure is relaxed, the resilient portion of cap resumes its normally sealed position and the supply of tube's contents is cut off. The closure is sanitary in that an airtight seal is formed. Tube is suited for holding ointments and other medicaments. (Owner) S. R. Weston, 1368 Columbia Road, Washington, D. C. Groups 30—51; 34—92. Reg. No. 9,096.

Pat. 2,430,178. FLOATING AIRPLANE FIELD. Patented Nov. 4, 1947. Several pontoons (preferably hexagonal) with rounded abutting edges may be speedily assembled to complete a floating airplane field. The pontoons preferably are arranged in two layers with joints between pontoons in one layer staggered relative to those in the other layer. Detachable helical springs having pivoted yokes on each end are used to yieldingly and resiliently connect the upper and lower pontoons, thereby forming a flat

body which will be yieldably deflected under load or action of the waves. Each pontoon has several tubular members or shells transversely secured therein for receiving the springs. When the pontoons are assembled, the shells register to form passages extending completely through both layers. By increasing the diameter of the upper ends of the shells in the top layer, an annular shoulder is formed inside each one. Each of the shells in the bottom layer has an annular flange inside. Before insertion of the springs the yokes are turned to one side. After insertion, the bottom yoke is returned to normal so that its arms will underlie the flange. The spring is then stretched upwardly to bring the arms of the upper yoke above the shoulder. No additional fastening means other than the springs are necessary for connecting the pontoons. (Owner) Selby H. Kurfiss, 320 North Chelsea Ave., Kansas City 1, Mo. Group 37—31—32. Reg. No. 9,097.

Correction

Pat. 2,318,149. ASH RECEIVER. Patented May 4, 1943. An ash tray is constructed to serve several purposes. Inside an outer fluted-edged tray is fastened a bowl-shaped inner ash tray so that a wedge-shaped recess is formed between the two. A lighted cigarette or cigar inserted into this recess is extinguished and held in an angular position. The recess is designed also to catch and snuff out a lighted cigarette left burning on the tray. The inner tray is designed to support lighted cigarettes without igniting butts in outer tray. (Owner) Sidney Ferman, 1715 Longfellow Ave., Bronx, New York, N. Y. Groups 32—29—69; 33—73; 39—81; 40. Reg. No. 8,944.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 3, 1948

[VOL. 607. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 507,140. PAR-METAL PRODUCTS CORP., New York and Long Island City, N. Y. Filed Aug. 9, 1946.

PAR-METAL

No claim is made to the word "Metal" apart from the mark as shown.

FOR STEEL UTILITY CANS AND STANDARD STEEL CASES.

Claims use since June 1927.

Ser. No. 513,019. BEATRICE STEEL TANK MANUFACTURING COMPANY, Beatrice, Nebr. Filed Nov. 22, 1946.

BESTCO

FOR METAL BARRELS—NAMELY, ALUMINUM AND STAINLESS STEEL BEER BARRELS.

Claims use since Jan. 1, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 503,938. PRINCESS PAT, LTD., Chicago, Ill. Filed June 14, 1946.

DUO-TONE

FOR ROUGE, LIPSTICK, FACE POWDER, NAIL POLISH, PERFUME, AND COLOGNE.

Claims use since July 10, 1917.

607 O. G.—3

Ser. No. 503,973. KAT DAUMIT, INC., Chicago, Ill., assignor to Barbara Gould, Inc., New York, N. Y., a corporation of New York. Filed June 15, 1946.

LOVERS-KNOT

FOR COLOGNE.

Claims use since Jan. 24, 1942.

Ser. No. 505,711. N. V. PURIT MAATSCHAPPIJ TER VERVAARDIGING VAN PLANTAARDIGE ONTKEURINGSKOOL, "PURIT," Amsterdam, Netherlands. Filed July 16, 1946.

PURIT

FOR VEGETABLE DECOLORIZING CARBON.

Claims use since Sept. 1, 1921.

Ser. No. 508,123. PEERLESS LABORATORIES, Dallas, Tex. Filed Aug. 27, 1946.

Roverlene

FOR MEDICINAL PREPARATION USED IN THE TREATMENT OF DISEASES OF DOGS—NAMELY, SARCOPTIC MANGE, PARASITIC SKIN INFECTIONS, SCRATCHES, CUTS, WOUNDS AND THE CONTROL OF LICE, FLEAS, AND EAR MITES; THE MEDICINAL PREPARATION IS ALSO USED FOR A SKIN AND COAT DRESSING FOR ANIMALS OF VARIOUS TYPES.

Claims use since May 1, 1946.

Ser. No. 509,039. ROYAL MFG. CO. OF DUQUESNE, Brooklyn, N. Y. Filed Sept. 13, 1946.

MANFRE'

FOR PREPARATION CONTAINING TESTONE (THE MALE HORMONE, TESTOSTERONE) FOR MEN'S HAIR, APPLIED TO THE SCALP.
Claims use since June 28, 1946.

Ser. No. 509,637. CUTTER LABORATORIES, Berkeley, Calif. Filed Sept. 24, 1946.

Diptussis

FOR BIOLOGICAL IMMUNIZING AGENT FOR IMMUNIZING AGAINST DIPHTHERIA AND WHOOPING COUGH.

Claims use since July 1942.

Ser. No. 511,563. LENTHERIC, INCORPORATED, New York, N. Y. Filed Oct. 26, 1946.

TURBAN

FOR PERFUMES, TOILET WATERS, AND CLEANSING, NIGHT, AND ALL-PURPOSE CREAMS.
Claims use since Aug. 22, 1946.

Ser. No. 514,824. J. J. LADNER, Poplarville, Miss. Filed Dec. 26, 1946.

LADNER'S



J. J. LADNER

The portrait in the drawing is that of the applicant. The word "Ladner's" is disclaimed apart from the mark as shown.

FOR POULTRY MIXTURE FOR THE PREVENTION OF PARASITES SUCH AS WORMS, MITES, BLUE BUGS, STICK-TIGHT FLEAS, AND LICE AND WORM AND INSECT EXTERMINATOR FOR POULTRY AND LIVESTOCK.

Claims use since February 1946.

Ser. No. 518,509. AMES COMPANY, INC., Elkhart, Ind. Filed Mar. 5, 1947.



FOR MEDICINAL HERBS, PLANTS, AND OTHER PRODUCTS ESPECIALLY PREPARED FOR PHARMACEUTICAL USE—NAMES, ACETALS, ACETONES, ACETYLENES, ALBUMOSES, ALDEHYDES, ALDOSES, ALDOXIMS, ALBUMOIDS, ALKALI ALBUMOIDS, ALUMS, ANILIN COLORS, ANTHRACENE COMPOUNDS, AMMONIA COMPOUNDS, CAMPHORS, CARBINOLS, CARBYLAMINS, CHINONES, CRESOLS, DIAMINS, ETHERS, GLYCERINS, HYDRAZINS, KERATINS, KETONES, MERCAPTANS, NAPHTHOLS, NITRILES, NUCLEINS, NUCLEOALBUMINS, OXIMS, PHENOLS, SALTS, THIOETHERS, UREIDS, URETHANES, XYLENES, XYLENOLS, AGAR-AGAR, AMBERGRIS, BAL-SAMS, BARK CANELLA ALBA, CASCARA SAGRADA, CASSIA, BERRIES CUBEBS, JUNIPER, LAUREL, CANTHARIDS, COCOA BUTTER, EXTRACT ABSINTHII, ALOES, ALOES DRY, DIGITALIS (FOXGLOVE) EXTRACT, INDIAN HEMP (CANNABIS INDICA), IPECACUANHA, KAVA-KAVA, OPIUM AQUEOUS, FLOWERS INSECTICIDES, LINDEN FLOWERS, GUM BENZOIN ZIAM, GUM CATECHU, GUM OPAL MANILA, GUM ACACIA TURK, GUM SANDARAC, GUM TRAGACANTH, INDIGO BENGAL, INSECT POWDER LE DALMATIAN, LACTUCARIUM, LEAVES BEARBERRY (UVA URST) BELLADONNA, DIGITALIS, HYOSCYAMUS (HENBANE) PEPPERMINT, MANNA, MUSK, TONQUIN, NUT ARECA, KOLA, OPIUM, RED (CAPSICUM ANNUM) SCAMMONY, ROOT ALTHEA, ARNICA, BELLADONNA CRUDE, CALAMUS CRUDE, IPECACUANHA CARTAGENA, LICORICE RUSSIAN PEELED, RHUBARB, CHINA I, SARSAPARILLA, SENEGA, VALERIAN, SEED ANISE RUSSIAN, CORIANDER BRUISED, FENNEL, SUCCUS LICORICE, TAMARINDS, QUASSIA JAMAICA, SANDAL CITRINE FINELY CUT, SASSAFRAS, ZIBETH COMPOUNDS FOR DESTROYING ANIMALS AND PLANTS, PERFUMERIES, ARTIFICIAL SALTS OF SPRINGS.

Claims use since 1924.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 519,084. OAKES & COMPANY, Chicago, Ill. Filed Mar. 15, 1947.



FOR RIFLES, SHOTGUNS, REVOLVERS, PISTOLS AND AIR RIFLES, CARTRIDGES, SHOTGUN SHELLS, AND AIR RIFLE SHOT.

Claims use since Jan. 20, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 516,141. LOUIS H. KOHL, Luverne, Minn. Filed Jan. 22, 1947.

Chemi-Shield

FOR CERTAIN BUILDING PROTECTIVE DEVICE OR SHIELD WHICH CONSISTS OF A METAL STRIP STAMPED IN A PARTICULAR FORM SO AS TO FIT THE UNDER STRUCTURES OF HOUSES AND OTHER BUILDINGS. THE PURPOSE IS TO FORM A TROUGH INTO WHICH A CHEMICAL MAY BE PLACED FOR USE AS A PROTECTION AGAINST TERMITES, DRY-ROT AND OTHER VERMIN.

Claims use since Dec. 1, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 507,837. NUNN MANUFACTURING COMPANY, Evans-ton, Ill. Filed Aug. 22, 1946.

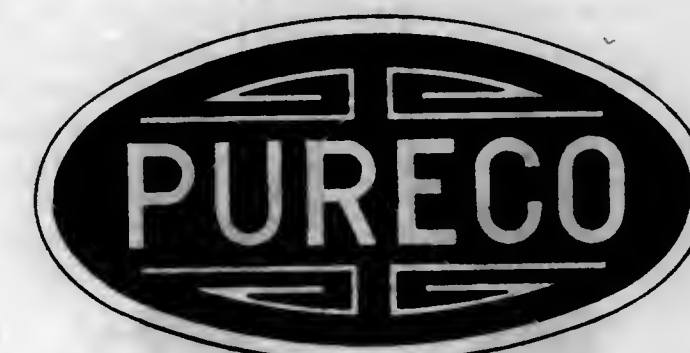
CABL-OX

The exclusive right to the use of the word "Cabl" is disclaimed.

FOR CABLE CLAMPS.

Claims use since Aug. 15, 1945.

Ser. No. 511,578. PURE CARBONIC, INCORPORATED, New York, N. Y. Filed Oct. 26, 1946.



FOR GAS PRESSURE CONTROL VALVES.
Claims use since July 3, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 505,525. THE SIGHT FEED GENERATOR COMPANY, West Alexandria, Ohio. Filed July 12, 1946.



No claim is made to the words "Welding Equipment" apart from the mark as shown.

FOR GAS WELDING WIRE AND GAS WELDING ROD.
Claims use since Feb. 1, 1946.

Ser. No. 512,945. THE H. A. WILSON COMPANY, Newark, N. J. Filed Nov. 20, 1946.

WILCOLOY

FOR PLATINUM, PLATINUM SHEETS, PLATINUM BARS, PLATINUM WIRE, PLATINUM ALLOYS, PLATINUM SPONGE; SILVER, SILVER SHEETS, SILVER BARS, SILVER WIRE, SILVER ALLOYS; NICKEL, NICKEL SHEETS, NICKEL BARS, NICKEL WIRE, NICKEL-CLAD STEEL SHEETS, NICKEL ALLOYS; GOLD, GOLD BARS, GOLD ALLOYS; TUNGSTEN, TUNGSTEN ALLOYS; THERMOSTATIC METAL, THERMOSTATIC-METAL SHEETS, THERMOSTATIC-METAL BARS; WIRE MADE ONE END OF PLATINUM, PLATINUM-IRIDIUM, SILVER, GOLD, OR TUNGSTEN OR ALLOYS OF THESE METALS WITH EACH OTHER OR WITH OTHER METALS WELDED, FUSED OR SOLDERED TO THE OTHER END MADE OF NICKEL, STEEL OR OTHER BASE METAL OR METALS; PLATINUM, PLATINUM-IRIDIUM, SILVER, GOLD, OR OTHER PRECIOUS METALS OR TUNGSTEN OR ALLOYS OF THESE METALS WITH EACH OTHER OR WITH OTHER METALS, WELDED, FUSED OR SOLDERED TO A BASE METAL OR METALS; SHEETS MADE WITH A FACING OR INLAY OR INSERT OF PLATINUM, PLATINUM-IRIDIUM, GOLD, SILVER OR OTHER PRECIOUS METAL, OR ALLOYS OF THESE METALS WITH EACH OTHER OR WITH OTHER METALS, WELDED, FUSED OR SOLDERED TO BASE METALS SUCH AS COPPER, STEEL, NICKEL, ETC.; COPPER AND ALLOYS OF COPPER WITH CADMIUM, CHROMIUM, BERYLLIUM, COBALT AND OTHER METALS AND SINTERED ALLOYS OF SILVER WITH TUNGSTEN, MOLYBDENUM AND OTHER METALS, PLATINUM OR GOLD-CLAD WIRE OR RODS MADE OF A PLATINUM OR GOLD EXTERIOR AND A CORE OF ANOTHER METAL; WOLLASTON WIRE MADE WITH A CORE OF PLATINUM AND AN EXTERIOR OF ANOTHER METAL; BARS OR SHEETS OF STEEL OR OTHER METAL WITH A FACING OF NICKEL OR OTHER METAL OR ALLOY THEREOF WELDED OR SOLDERED ON ONE OR BOTH SIDES OF THE BARS OR SHEETS OF STEEL OR OTHER METAL; AND WIRE CLAD WITH COPPER OR OTHER METAL HAVING A COPPER OR OTHER METAL EXTERIOR WELDED OR SOLDERED TO A CORE OF ANOTHER METAL.

Claims use since 1935.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 522,541. LANE, LIMITED, New York, N. Y. Filed May 16, 1947.

OVA

FOR CIGARETTES AND SMOKING TOBACCO.
Claims use since May 1, 1947.

Ser. No. 522,542. LANE, LIMITED, New York, N. Y. Filed May 16, 1947.

OCA

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since Mar. 20, 1947.

Ser. No. 524,710. LANE, LIMITED, New York, N. Y. Filed June 24, 1947.

KENTUCKY GOLD

The word "Kentucky" is disclaimed apart from the mark as shown.
FOR SMOKING TOBACCO.
Claims use since May 15, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 476,605. FARADAY ELECTRIC CORPORATION, Adrian, Mich. Filed Nov. 18, 1944.

CORDMASTER

FOR INSULATED ELECTRIC WIRE STRANDS EQUIPPED WITH TERMINALS.
Claims use since Nov. 1, 1944.

Ser. No. 505,968. E. D. MAGNUS & ASSOCIATES, INC., Chicago, Ill. Filed July 20, 1946.

Edmalite

FOR ELECTRIC LIGHTING FIXTURES AND LAMPS.
Claims use since Apr. 23, 1946.

Ser. No. 511,245. RYP MANUFACTURING COMPANY, also doing business as Miners Foundry & Manufacturing Co., Nevada City, Calif. Filed Oct. 21, 1946.

RYP HEALTH MASTER

FOR ELECTRIC VEGETABLE AND FRUIT JUICE EXTRACTORS.
Claims use since Apr. 15, 1946.

Ser. No. 511,986. THE DIALITE DIAL CO., Oklahoma City, Okla. Filed Nov. 4, 1946.

DIALITE

FOR AUXILIARY TELEPHONE DIAL ADAPTED FOR USE ON DIAL TELEPHONES.
Claims use since September 1941.

Ser. No. 516,692. JOHN GYURIS, New York, N. Y. Filed Jan. 31, 1947.

THERMOFILM

FOR ELECTRICAL HEATER ELEMENTS, ELECTRIC FLATIRONS, HOTPLATES, TOASTERS, BROILERS, AND STOVES.
Claims use since June 1946.

Ser. No. 525,278. AFFILIATED RETAILERS, INC., New York, N. Y. Filed July 1, 1947.

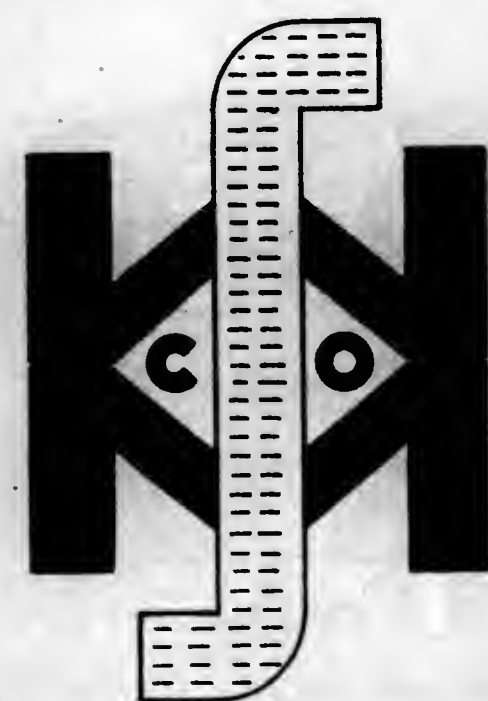
ARTRON

FOR ELECTRICAL APPLIANCES—NAMESLY, TOASTERS, SANDWICH TOASTERS, IRONS, WAFFLE IRONS, BROILERS, JUICERS, DOMESTIC FOOD MIXING MACHINES, HOT PLATES, FLUORESCENT LIGHTING FIXTURES, AND VACUUM CLEANERS.
Claims use since Nov. 15, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 503,138. SOUTHERN WELDING AND MACHINE COMPANY, Charlottesville, Va. Filed May 31, 1946.



The lining is for shading purposes only.
FOR EARTH SCRAPERS.
Claims use since Apr. 15, 1946.

Ser. No. 506,434. DUTTON-LAINSON COMPANY, Hastings, Nebr. Filed July 29, 1946.

GOLDEN ROD

FOR HAND-OPERATED PUMP OILERS.
Claims use since July 1, 1941.

Ser. No. 507,554. UNIVERSAL AIRCRAFT PRODUCTS CO., Inc., New York, N. Y. Filed Aug. 16, 1946.



FOR FORKS AND BOTTLE OPENERS MADE OF BASE METALS.
Claims use since June 13, 1946.

Ser. No. 509,306. STEPHEN H. ROLLER, New York, N. Y. Filed Sept. 18, 1946.



Applicant disclaims the word "Acier Fondu." FOR SCYTHES AND SICKLES.
Claims use since 1939.

Ser. No. 513,124. M AND R, Yuba City, Calif. Filed Nov. 23, 1946.



FOR PNEUMATIC TIRE MACHINES FOR MOUNTING AND DEMOUNTING PNEUMATIC TIRES FROM THE WHEELS AND RIMS OF VEHICLE WHEELS.
Claims use since Aug. 10, 1946.

Ser. No. 513,126. PAUL M. MAZUR, New York, N. Y. Filed Nov. 23, 1946.

SLAVEE

FOR HAND MECHANICAL KITCHEN TOOLS AND UTENSILS—NAMESLY, MIXERS, SQUEEZERS, JUICERS, CAN OPENERS, SHREDDERS, AND SCREENERS.
Claims use since Nov. 15, 1946.

Ser. No. 519,778. EDWIN J. SOENKSEN, De Witt, Iowa. Filed Mar. 28, 1947.



FOR GASOLINE POWER-DRIVEN GRASS AND WEED CUTTERS.
Claims use since September 1946.

Ser. No. 520,510. JUBILEE MANUFACTURING COMPANY, Omaha, Nebr. Filed Apr. 11, 1947.



The drawing is lined for shading only.
FOR HYDRAULICALLY OPERATED AUTOMOBILE BUMPER JACKS AND CABLE-HOOK ATTACHMENTS USED IN CONNECTION WITH SAID JACKS FOR ADAPTING THE LIFTING HOOKS OF SAID JACKS TO BUMPERS OF VARIOUS HEIGHT ABOVE THE GROUND.
Claims use since Aug. 13, 1946.

Ser. No. 520,782. JACOBS BROS. CO., INC., Brooklyn, N. Y. Filed Apr. 15, 1947.

DETECTO

FOR MANUALLY-OPERATED CHEESE SLICERS.
Claims use since January 1925.

Ser. No. 522,426. PREMIER OPTICAL PRODUCTS, INC., New York, N. Y. Filed May 15, 1947.

LINE-AX

FOR OPTICAL PLIERS.
Claims use since Mar. 15, 1947.

Ser. No. 525,188. THE CHALLENGE MACHINERY COMPANY, Grand Haven, Mich. Filed June 30, 1947.

CHALLENGE

FOR PAPER DRILLING MACHINES, SLOTTING ATTACHMENTS FOR PAPER DRILLING MACHINES, PAPER DRILLS, INDEX GAUGES, PAPER DRILL SHARPENERS, PAPER CORNERING MACHINES, PAPER CUTTING MACHINES, PAPER CUTTER KNIFE GUARD, PRINTERS' PROOF PRESS, PRINTING PRESSES, PRINTERS' QUOINS, PRINTERS' QUOIN KEYS, PRINTERS GALLEYS, PRINTERS' FURNITURE, PRINTERS' PLATE MOUNTING EQUIPMENT, PRINTERS' BOOK BLOCKS, PRINTERS' NEWSPAPER BASES, PRINTERS' IMPOSING SURFACES, PAPER PUNCHES, PRINTERS' ROUTER AND PRINTERS' TYPE-HIGH MACHINE.
Claims use since 1893.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 511,753. MODERN PLASTIC CO., Los Angeles, Calif.
Filed Oct. 30, 1946.

KLIP-ER

No claim is made to the word "Klip" apart from the mark.

FOR CLOTHESPINS.

Claims use since July 15, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 458,358. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Feb. 5, 1943.

MAGNAVISION

FOR UNITARY ELECTRICALLY OPERATED COMBINATION APPARATUS FOR THE SYNCHRONOUS TRANSMISSION OR REPRODUCTION OF LIGHT AND SOUND EFFECTS OR PARTS THEREOF.

Claims use since Dec. 3, 1942.

Ser. No. 462,589. THE MINE AND SMELTER SUPPLY COMPANY, Denver, Colo. Filed Aug. 7, 1943.

Massco Adams

The term "Adams" is disclaimed apart from the mark as shown.

FOR DENSITY CONTROL MECHANISM FOR ORE MILLING EQUIPMENT, SUCH AS CLASSIFIERS OR SIMILAR APPARATUS WHICH MECHANISM AUTOMATICALLY RESPONDS TO DENSITY VARIATIONS IN THE PULP OR OTHER MATERIAL BEING TREATED AND RESULTANTLY CONTROLS THE FLOW, INTO SUCH PULP OR THE LIKE, OF A DENSITY AFFECTING COMPONENT SUCH AS WATER OR OTHER AGENT.

Claims use since May 11, 1938.

Ser. No. 503,392. JOSE SANCHIS, Newark, N. J. Filed June 6, 1946.

WIZARD OF BARS

Applicant disclaims the word "Bars" except in the combination as shown.

FOR AUTOMATICALLY OPERATED DISPENSERS ADAPTED TO BE PLACED ON BOTTLES AND OTHER CONTAINERS FOR DISPENSING MEASURED QUANTITIES OF A LIQUID.

Claims use since Apr. 1, 1946.

Ser. No. 504,061. NATION MFG. CO., INC., Nashville, Tenn.
Filed June 17, 1946.



No claim is made to the representation of the outline of the United States nor to the word "Nashville" apart from the mark.

FOR COIN-OPERATED WEIGHING MACHINES.

Claims use since Dec. 20, 1945.

Ser. No. 520,637. MAGEE-HALE PARK-O-METER CORPORATION, Oklahoma City, Okla. Filed Apr. 14, 1947.

PARK-N-LOT

The word "Park" is disclaimed apart from the mark. FOR PARKING METERS.

Claims use since Jan. 1, 1947.

Ser. No. 520,939. THE ELECTRO-MECHANICAL INSTRUMENT CO., Perkaskie, Pa. Filed Apr. 18, 1947.

EMICO

FOR AMMETERS, MILLIAMMETERS, AND VOLT-METERS.

Claims use since Jan. 30, 1945.

Ser. No. 525,610. SMITH LEE, Los Angeles, Calif. Filed July 2, 1947.

"LEE'S AMORTIZER"

No claim is made to the word "Lee's" apart from the mark as shown.

FOR SLIDE RULES.

Claims use since February 1937.

Ser. No. 525,611. SMITH LEE, Los Angeles, Calif. Filed July 2, 1947.

LEE'S PROFITIZER

No claim is made to the word "Lee's" apart from the mark as shown.

FOR SLIDE RULES.

Claims use since July 1937.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 510,442. NEWARK JEWELRY MANUFACTURING COMPANY, Newark, N. J. Filed Oct. 8, 1946.



FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT—NAMELY, FANCY JEWELRY, COME BROOCHES, RINGS, EARRINGS, BRACELETS, PENDANTS, NECKLACES, CROSSES, LOCKETS, TIE PINS, CUFF LINKS, AND SOLID GOLD JEWELRY (NOT INCLUDING WATCHES).

Claims use since May 15, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 497,439. AMERICAN CHAIR COMPANY, Sheboygan, Wis. Filed Mar. 1, 1946.



FOR SECTIONAL AND STATIONARY DAVENPORTS WITH MATCHING CHAIRS, OCCASIONAL CHAIRS, LOUNGE CHAIRS, SOFAS, OCCASIONAL TABLES, DESKS, BOOKCASES, DINETTE TABLES AND CHAIRS, BUFFETS, CUPBOARDS, CREDENZAS, CHINA CABINETS, SERVING TABLES, CHESTS OF DRAWERS, CHIFFONNIERS, CHIFFOROBES, DRESSERS, VANITIES AND NIGHT TABLES.

Claims use since Oct. 15, 1945.

Ser. No. 512,410. GUSTIN-BACON MANUFACTURING COMPANY, Kansas City, Mo. Filed Nov. 12, 1946.



FOR UPHOLSTERY PADDING MATERIAL AND MATTRESS FILLING.

Claims use since Apr. 17, 1946.

Ser. No. 517,418. KAHN BROTHERS, Hawthorne, N. J. Filed Feb. 13, 1947.

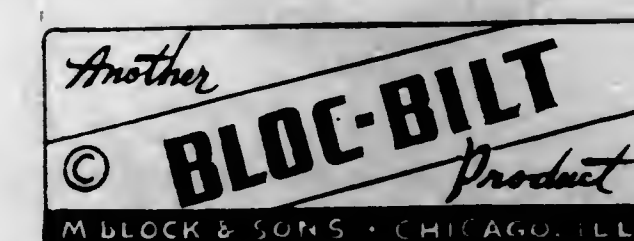
DOLLY MADISON

The name "Dolly Madison" is that of a deceased celebrity, an official hostess of the White House during several presidential administrations.

FOR VENETIAN BLINDS.

Claims use since Apr. 3, 1946.

Ser. No. 521,972. M. BLOCK & SONS, Chicago, Ill. Filed May 6, 1947.



Applicant disclaims apart from the mark as shown, the words "Another," "Product," "Bilt" and "M. Block & Sons, Chicago, Ill."

FOR STORAGE AND WARDROBE METAL CABINETS FOR HOUSEHOLD USE.

Claims use since Jan. 2, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 508,154. THE GATES RUBBER COMPANY, Denver, Colo. Filed Aug. 28, 1946.

GATES POWERCORD

The surname "Gates" is disclaimed apart from the mark as shown.

FOR FLAT POWER TRANSMISSION BELTS MADE PRINCIPALLY OF RUBBER OR RUBBER-LIKE MATERIAL.

Claims use since July 8, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

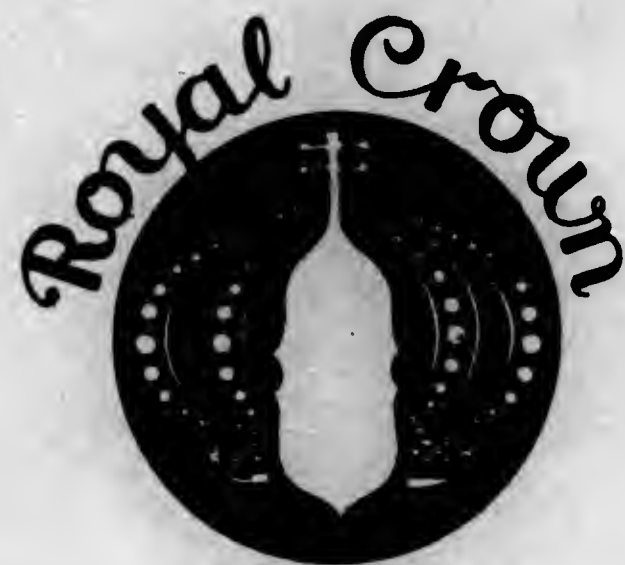
Ser. No. 502,497. THE CROSBLEY CORPORATION, Cincinnati, Ohio, assignor to The Crosley Broadcasting Corporation, Cincinnati, Ohio, a corporation of Ohio. Filed May 21, 1946.

MOON River

FOR MECHANICALLY GROOVED RECORDS ON WHICH MUSICAL RADIO PROGRAMS ARE INSCRIBED.

Claims use since Apr. 22, 1946.

Ser. No. 514,293. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Dec. 14, 1946.



No claim is made to the outline representation of the violin apart from the mark.
FOR VIOLIN STRINGS.
Claims use since Oct. 1, 1925.

Ser. No. 514,409. THE CARDINAL COMPANY, Hollywood, Calif. Filed Dec. 17, 1946.

Cardinal

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS AND MECHANICALLY GROOVED RADIO BROADCASTING TRANSCRIPTIONS.
Claims use since January 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 482,227. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Apr. 16, 1945.

Saxon Vellum

Applicant is the owner of Reg. No. 205,902 (renewed). The word "Vellum" is disclaimed apart from the mark shown.

FOR WRITING AND PRINTING PAPER AND ENVELOPES.
Claims use since Mar. 20, 1945.

Ser. No. 511,042. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Oct. 17, 1946.

SAXON

Applicant is the owner of Reg. No. 205,902 (renewed), and 245,772.
FOR WRITING AND PRINTING PAPER AND ENVELOPES.
Claims use since March 1904.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 502,269. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed May 17, 1946.



FOR SERIES OF CARTOONS.
Claims use since Mar. 18, 1946.

Ser. No. 515,841. LUCKHURST & COMPANY, INC., New York, N. Y. Filed Jan. 16, 1947.

WALL STREET

SEARCHLIGHT

FOR PUBLICATION DISTRIBUTED AND SOLD PERIODICALLY.
Claims use since Jan. 10, 1947.

Ser. No. 520,362. DONALD W. WIETA, New York, N. Y. Filed Apr. 8, 1947.

gifticate

FOR PRINTED GIFT CERTIFICATES, SOLD AS SUCH.
Claims use since Mar. 1, 1947.

Ser. No. 523,048. CROSLY BROADCASTING CORPORATION, Cincinnati, Ohio. Filed May 26, 1947.

SUNNY SIDE REVUE

The word "Revue" is disclaimed apart from the mark.
FOR RADIO SCRIPTS PUBLISHED IN A CONTINUING SERIES AND DISTRIBUTED IN TRADE AS PUBLICATIONS.
Claims use since Apr. 28, 1947.

Ser. No. 525,996. WESTERN SKIING, INC., Los Angeles, Calif. Filed July 3, 1947.



FOR MAGAZINE.
Claims use since May 1, 1947.

CLASS 39

CLOTHING

Ser. No. 502,754. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo. Filed May 25, 1946.



No claim is made to the phrase "The 1-2-3 Shoe" or the three numbered circles except in association with each other and the other features of the mark.
FOR SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC.
Claims use since Mar. 1, 1946.

Ser. No. 509,046. STRAUS, ROYER & STRASS, INC., Baltimore, Md. Filed Sept. 13, 1946.



FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, SHIRTS, SHORTS, BLOUSES, SLACKS, LONG PANTS, MIDDIES, AND PLAYSUITS.
Claims use since July 2, 1946.

Ser. No. 514,539. LAGNON MANUFACTURING LIMITED, Toronto, Ontario, Canada. Filed Dec. 19, 1946.

Gentleform

FOR GARTER BELTS, GIRDLES, AND FOUNDATION GARMENTS.
Claims use since July 12, 1945.

Ser. No. 514,540. LAGNON MANUFACTURING LIMITED, Toronto, Ontario, Canada. Filed Dec. 19, 1946.

Gentleflex

FOR GARTER BELTS, GIRDLES, AND FOUNDATION GARMENTS.
Claims use since July 26, 1945.

Ser. No. 519,534. L. & G. MANUFACTURING CO., Boston, Mass. Filed Mar. 25, 1947.

Shearmuff

FOR EAR-MUFFS.
Claims use since Apr. 15, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 519,809. GANTNER & MATTERN COMPANY, San Francisco, Calif. Filed Mar. 29, 1947.

Glotron

FOR KNITTED AND WOVEN WOOL, NYLON, RAYON, SILK, AND COTTON FABRICS, SOLD BY THE YARD AND BY WEIGHT.
Claims use since Feb. 24, 1947.

Ser. No. 522,102. DAN RIVER MILLS, INCORPORATED, Danville, Va. Filed May 8, 1947.

OXTONE

FOR PIECE GOODS OF COTTON, RAYON, OR MIXTURES THEREOF.
Claims use since Apr. 11, 1947.

Ser. No. 522,959. GOODALL-SANFORD, INC., Sanford, Maine.
Filed May 24, 1947.

VELUSTRE

FOR WOOLEN PIECE GOODS.
Claims use since Mar. 1, 1947.

Ser. No. 524,779. S. DENNIS INC., New York, N. Y. Filed
June 25, 1947.

DEN-O-STAT

FOR TEXTILE FABRICS IN THE PIECE MADE OF
COTTON AND WOOL.
Claims use since Feb. 14, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 472,598. VACU-DRY COMPANY, Oakland, Calif.
Filed July 24, 1944.

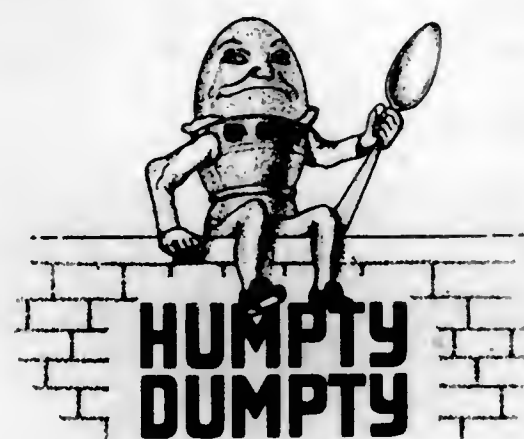
VACU-DRIED

No claim is made for the word "Dried" apart from the
mark shown. Applicant is the owner of registrations Nos.
414,608, dated June 19, 1945, and 430,736, dated June
24, 1947.

FOR DESSERT PREPARATIONS OF DEHYDRATED
FRUITS WITH CORN-STARCH, GELATIN, AND OTHER
INGREDIENTS FOR USE IN MAKING PUDDINGS OR
ICE CREAM.

Claims use since May 25, 1944.

Ser. No. 479,356. PACIFIC AMERICAN FISHERIES, INC.,
South Bellingham, Wash. Filed Feb. 2, 1945.



Applicant is the owner of trade-mark registrations No.
78,948, July 26, 1910 (renewed), and No. 226,487, Apr.
12, 1927.

FOR CANNED SALMON.

Claims use since July 7, 1904, on Humpty Dumpty; and
since July 19, 1934, on the mark as a whole.

Ser. No. 503,608. SOMIS LEMON ASSOCIATION, Oxnard,
Calif. Filed June 10, 1946.

SEA GROVES

Exclusive right to the use of the word "Groves" apart
from the mark shown is disclaimed.
FOR FRESH CITRUS FRUITS.
Claims use since Apr. 8, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition
under section 18 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMA- CEUTICAL PREPARATIONS

Ser. No. 524,617. NORVIN L. PATTERSON, Chicago, Ill.
Filed June 21, 1947.

MISERY

FOR ASPIRIN.
Claims use since June 20, 1947.

Ser. No. 526,955. MALLINCKRODT CHEMICAL WORKS, St.
Louis, Mo. Filed July 5, 1947.

FUNGINOX

Applicant claims ownership of registration No. 314,319.
FOR MIXTURE OF CORROSIVE SUBLIMATE AND
HYDROCHLORIC ACID USED, FOR EXAMPLE, FOR
THE TREATMENT OF POTATOES IN THE CORREC-
TION OF BLACKLEG, SCAB, AND RHIZOCTONIA.
Claims use since Feb. 20, 1934.

Ser. No. 528,939. NATIONAL CASKET COMPANY, INCORPO-
RATED, Oneida, N. Y. Filed July 19, 1947.

ZOLIUM

FOR EMBALMING FLUID.
Claims use since 1909.

Ser. No. 528,940. NATIONAL CASKET COMPANY, INCORPO-
RATED, Oneida, N. Y. Filed July 19, 1947.

REGENT

FOR EMBALMING FLUID.
Claims use since 1909.

Ser. No. 529,262. THE HARROWER LABORATORY, INC., Glen-
dale, Calif. Filed July 23, 1947.

Pro-Plestrin

Applicant claims ownership of registration No. 233,746.
FOR STERILE SOLUTION CONTAINING ESTRO-
GENS AND PROGESTERONE FOR THE TREATMENT
OF CONDITIONS RELATED TO OVARIAN FAILURE.
Claims use since July 2, 1947.

Ser. No. 529,809. NEWVILLE F. REA, doing business as
Getzum Products, Sumner, Wash. Filed July 28, 1947.

CX

FOR INSECTICIDE AND FUNGICIDE.
Claims use since June 5, 1947.

CLASS 10 FERTILIZERS

Ser. No. 512,185. LION OIL COMPANY, El Dorado, Ark.
Filed Nov. 7, 1946.



Applicant claims ownership of registration No. 333,369.
FOR FERTILIZERS.
Claims use since Sept. 3, 1946.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 529,329. WHITE INCORPORATED, Bridgeport, Conn.
Filed July 23, 1947.

Loyalty

FOR CARBON PAPER AND TYPEWRITER RIB-
BONS.
Claims use since July 11, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 527,736. THE AMERICAN ROLLING MILL COM-
PANY, Middletown, Ohio. Filed July 5, 1947. Under
section 2f of the act of 1946.



Applicant claims ownership of registration No. 148,346.
FOR FERROUS METALS AND FERROUS METAL
CASTINGS AND FORGINGS.
Claims use since July 1914.

Ser. No. 528,025. THE AMERICAN ROLLING MILL COM-
PANY, Middletown, Ohio. Filed July 5, 1947. Under
section 2f of the act of 1946.

ZINGGRIP

Applicant claims ownership of registrations Nos. 433,152
and 853,874.
FOR SURFACE IMPREGNATED AND COATED IRON
AND STEEL SHEETS.
Claims use since Sept. 13, 1937.

Ser. No. 528,028. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

Steelox

Applicant claims ownership of registration No. 320,405. FOR FERROUS METALS IN SHEET FORM. Claims use since Aug. 1, 1932.

Ser. No. 528,032. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

ARMCO

Applicant claims ownership of registrations Nos. 104,245, 139,474, and 148,346. FOR FERROUS METALS AND FERROUS METAL CASTINGS AND FORGINGS. Claims use since Aug. 1, 1910.

CLASS 19 VEHICLES

Ser. No. 527,714. MADSEN IRON WORKS, Huntington Park, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

MADSEN

FOR MINE CARS, CARGO TRUCKS, AND PIPE TRUCKS. Claims use since 1920.

Ser. No. 528,024. AMERICAN STEEL FOUNDRIES, Chicago, Ill. Filed July 5, 1947.

ALLIANCE

FOR RAILWAY COUPLERS AND PARTS THEREOF. Claims use since June 19, 1915.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 526,994. EVERHOT HEATER COMPANY, Detroit, Mich. Filed July 5, 1947. Under section 2f of the act of 1946.

EverHot

Applicant claims ownership of registration No. 147,736. FOR GAS WATER HEATERS. Claims use since Nov. 20, 1919.

Ser. No. 528,366. NORTHWEST METAL PRODUCTS, INC., Seattle, Wash. Filed July 11, 1947.

EVEN TEMP

FOR OIL FLOOR FURNACES. Claims use since Jan. 1, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 528,006. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed July 5, 1947.

AUTOSNAP

Applicant claims ownership of registration No. 344,473. FOR CONTINUOUS WRITING STRIPS INTERLEAVED WITH CARBON STRIPS AND WRITING SHEETS WITH INTERLEAVED CARBON SHEETS FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES. Claims use since Aug. 26, 1936.

Ser. No. 528,465. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed July 12, 1947.

Golden Key

Applicant claims ownership of registration No. 244,430. FOR WAX PAPER. Claims use since January 1925.

Ser. No. 528,466. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed July 12, 1947.

GOLDEN KEY

Applicant claims ownership of registration No. 244,430. FOR TOILET TISSUE. Claims use since January 1925.

CLASS 39 CLOTHING

Ser. No. 531,394. THE TAYLOR BRAMLEY COMPANY, Chicopee Falls, Mass. Filed Aug. 14, 1947. Under section 2f of the act of 1946.

TAYLORMADE

Applicant claims ownership of registrations Nos. 159,232, 211,684, and 251,648. FOR INFANTS' AND CHILDREN'S CLOTHING—NAMES, SHIRTS, BELLYBANDS, AND KNICKERS. Claims use since July 1, 1920.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 510,466. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Oct. 9, 1946.

SPORTVILLE

Applicant claims ownership of registration No. 283,146. FOR WOOLEN PIECE GOODS. Claims use since Jan. 20, 1931.

Ser. No. 511,473. HERBERT J. HERIBERT, New York, N. Y. Filed Oct. 25, 1946.

HERIBEX

FOR WIDE BELTING, STRIPPING, AND WEBBING FOR FURNITURE AND UPHOLSTERY. Claims use since Apr. 22, 1946.

Ser. No. 516,521. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Jan. 29, 1947.

RAMS HEAD TWIST

No claim is made to the word "Twist" except as shown. Applicant claims ownership of registrations Nos. 243,907 and 259,641.

FOR PIECE GOODS—NAMES, WORSTED FABRIC PARTICULARLY SUITABLE FOR USE IN THE MANUFACTURE OF MEN'S GARMENTS. Claims use since Jan. 14, 1947.

Ser. No. 516,747. WILLIAM HOLLINS & COMPANY, INC., Forestdale, R. I., and New York, N. Y. Filed Jan. 31, 1947.

CHALLITEX

FOR WOOLEN PIECE GOODS. Claims use since Jan. 15, 1947.

Ser. No. 526,629. SUZANNE TARDY, doing business as French Art Silk Creations Co., New York, N. Y. Filed July 5, 1947.

d'Arzac

Applicant claims ownership of registration No. 392,808. FOR PIECE GOODS SOLD BY THE YARD, BY THE PIECE, AND BY THE BOLT—NAMES, SILKS, RAYONS, WOOLENS, AND COMBINATIONS THEREOF. Claims use since June 14, 1945.

Ser. No. 526,942. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed July 5, 1947.

LORRAINE

No claim is made to the words "Cotton, Silk and Wool" apart from the mark as shown. Applicant claims ownership of registrations Nos. 101,858 and 218,398.

FOR PIECE GOODS OF WOOLEN, WORSTED, SILK AND RAYON FIBERS AND COMBINATIONS THEREOF. Claims use since June 1882.

Ser. No. 527,363. HENRY GLASS & Co., New York, N. Y. Filed July 5, 1947.

Peter Pan

Applicant claims ownership of registrations Nos. 119,693, 165,454, and 261,241. FOR COTTON AND RAYON PIECE GOODS. Claims use since June 21, 1917.

Ser. No. 527,372. SAYLES FINISHING PLANTS, INC., Saylesville, R. I., and New York, N. Y. Filed July 5, 1947.

SAYLTEX

Applicant claims ownership of registrations Nos. 29,815 (twice renewed), and 427,466. FOR PIECE GOODS OF COTTON, LINEN, SILK, RAYON, WOOL, AND MIXTURES THEREOF. Claims use since Aug. 18, 1932.

Ser. No. 528,234. WANSKUCK COMPANY, New York, N. Y., and Providence, R. I. Filed July 9, 1947.



The representation of the man as shown is fanciful. Applicant claims ownership of registration No. 300,724. FOR WOVEN WOOLEN AND WORSTED FABRICS IN THE PIECE. Claims use since Dec. 30, 1930.

Ser. No. 528,322. TANBRO FABRICS CORP., New York, N. Y. Filed July 10, 1947.



The word "Calcutta" is disclaimed apart from the mark as shown. FOR RAYON, COTTON, LINEN, WOOL, NYLON, AND SILK GOODS IN THE PIECE. Claims use since Mar. 10, 1947.

Ser. No. 529,950. ANDOVER TEXTILE CORP., New York, N. Y. Filed July 30, 1947.

ANTECOR

FOR TEXTILE FABRICS IN THE PIECE OF SILK, LINEN, WOOL, COTTON, RAYON, PROTEIN FIBRES, FIBRES MADE OF PLASTICS, FIBRES MADE OF GLASS, AND MIXTURES THEREOF. Claims use since July 10, 1947.

Ser. No. 529,985. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed July 30, 1947.

GLOLON

Applicant claims ownership of registration No. 391,255. FOR SHEETS, PILLOWCASES AND BLANKETS. Claims use since June 17, 1941, on blankets; and since June 11, 1947, on sheets and pillowcases.

Ser. No. 530,012. WALTER H. MAYER & COMPANY, Chicago, Ill. Filed July 30, 1947.

BANNER

FOR BED SHEETS, PILLOWCASES AND SHEETING MATERIAL IN BOLT FORM, IN BOTH BLEACHED AND UNBLEACHED FORMS. Claims use since Jan. 1, 1922.

Ser. No. 530,251. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Aug. 1, 1947.

WARMLON

FOR BLANKETS. Claims use since July 7, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 527,978. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed July 5, 1947.

Silverbrook

Applicant claims ownership of registration No. 172,763. FOR BUTTER. Claims use since Dec. 1, 1921.

Ser. No. 528,272. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed July 10, 1947.

JEMS

Applicant claims ownership of registrations Nos. 244,172, 275,735, and 396,218. FOR BREAKFAST CEREAL. Claims use since Jan. 18, 1928.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

FEBRUARY 3, 1948

436,305. GRASS CUTTING EQUIPMENT—NAMESLY, GANG MOWERS, AND TRACTOR-DRAWN GANG MOWERS; AND PARTS THEREOF. WORTHINGTON MOWER COMPANY, Stroudsburg, Pa. Filed December 15, 1942. Serial No. 457,429. PUBLISHED NOVEMBER 11, 1947. Class 23.

436,306. INTERNAL COMBUSTION ENGINES FOR STATIONARY USE AND FOR AUTOMOBILES, MOTORCYCLES OR OTHER VEHICLES; APPARATUS FOR FLUID LOW AND HIGH PRESSURE REMOTE CONTROLS—NAMESLY, PUMPS, ACCUMULATORS, JACKS, BOOSTERS, WORKING CYLINDERS, AND HYDRAULIC OR COMPRESSED AIR MOTORS; AND MACHINES FOR MAKING TABLETS FROM PULVERIZED MATERIAL. MOTOSACOCHE SOCIÉTÉ ANONYME, Geneva, Switzerland. Filed August 17, 1944. Serial No. 473,393. PUBLISHED NOVEMBER 11, 1947. Class 23.

436,307. HARDWARE—NAMESLY, NUTS, NAILS, STAPLES, BRADS, TACKS, THREADED AND NON-THREADED BOLTS, SCREWS, COTTER PINS, FLAT METAL WASHERS, LOCK WASHERS, LOCK NUTS, SOLID RIVETS, STRAIGHT SHAFT KEYS, AND TAPER SHAFT KEYS. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed October 4, 1944. Serial No. 474,900. PUBLISHED OCTOBER 21, 1947. Class 13.

436,308. CENTRIFUGAL PUMPS. BINGHAM PUMP COMPANY, Inc., Portland, Oreg. Filed February 10, 1945. Serial No. 479,659. PUBLISHED NOVEMBER 11, 1947. Class 23.

436,309. BEER. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed March 28, 1945. Serial No. 481,438. PUBLISHED OCTOBER 28, 1947. Class 48.

436,310. BEER. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed March 31, 1945. Serial No. 481,586. PUBLISHED OCTOBER 28, 1947. Class 48.

436,311. GINGER ALE, BIRCH BEER, DISTILLED WATER, AND CARBONATED WATER. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed April 24, 1945. Serial No. 482,548. PUBLISHED OCTOBER 28, 1947. Class 45.

436,312. MALT EXTRACT FOR BEVERAGE PURPOSES. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed April 24, 1945. Serial No. 482,549. PUBLISHED OCTOBER 28, 1947. Class 48.

436,313. BEVERAGE MADE OF MALT AND CEREALS AND CONTAINING NOT MORE THAN THE LEGAL CONTENT OF ALCOHOL. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed April 24, 1945. Serial No. 482,553. PUBLISHED OCTOBER 28, 1947. Class 48.

436,314. THREAD GUIDES FOR WINDING OF THREADS AND THE LIKE AND STRANDER DIES AS USED FOR GUIDING OF INDIVIDUAL STRANDS IN WIRE OR THREAD STRAND WINDING OPERATIONS. HEAVY INDUSTRIAL CERAMIC CORPORATION, Rochester, N. Y. Filed July 4, 1945. Serial No. 485,443. PUBLISHED NOVEMBER 11, 1947. Class 23.

436,315. PNEUMATIC VIBRATING MECHANISM FOR USE WITH FOUNDRY MOLDING APPARATUS TO PREVENT CHIPPING AND CRACKING OF SAND SURFACES. MARTIN ENGINEERING COMPANY, Kewanee, Ill. Filed July 10, 1945. Serial No. 485,639. PUBLISHED NOVEMBER 4, 1947. Class 23.

436,316. APPARATUS FOR APPLYING REFRIGERATED STERILIZING LIQUID TO FRUITS AND VEGETABLES TO PRECOOL AND STERILIZE THEM PRIOR TO STORAGE OR SHIPMENT. FOOD MACHINERY CORPORATION, San Jose, Calif. Filed December 22, 1945. Serial No. 493,750. PUBLISHED NOVEMBER 11, 1947. Class 23.

436,317. STAMPED, PRESSED, OR DRAWN STEEL SINKS; AND STAMPED, PRESSED, OR DRAWN STEEL SINKS HAVING A PORCELAIN ENAMEL COATING THEREON. MULLINS MANUFACTURING CORPORATION, Salem and Warren, Ohio. Filed December 28, 1945. Serial No. 493,974. PUBLISHED NOVEMBER 4, 1947. Class 13.

436,318. ELECTRO-MECHANICAL APPARATUS FOR USE IN ASSISTING AND PROVIDING LOAD WEIGHT RELIEF FOR PILOTS AND ENGINEERS, ETC. B. & P. SWIFT, LIMITED, London, England. Filed January 18, 1946. Serial No. 494,982. PUBLISHED MARCH 11, 1947. Class 21.

436,319. METAL SERVING TRAYS AND PLATTERS, GRIDDLE PANS, AND METAL HOT PLATES OF THE TYPE CONSISTING OF A CAST METAL PLATE TO BE USED ON BURNERS OF STOVES USING GAS, ELECTRICITY, OR OTHER FUEL. LAUTS AND BRADY, Los Angeles, Calif. Filed January 19, 1946. Serial No. 495,034. PUBLISHED NOVEMBER 4, 1947. Class 13.

436,320. ICE CREAM AND SIMILAR SOFT MATERIAL DISHERS AND SCOOPS. SHORE MACHINE CORPORATION, New York, N. Y. Filed February 13, 1946. Serial No. 496,524. PUBLISHED NOVEMBER 11, 1947. Class 23.

436,321. POWER DRIVEN CULTIVATOR. MHAID SCREW PRODUCTS, Inc., Detroit, Mich., now by change of name to Mulsifer Corporation. Filed March 23, 1946. Serial No. 498,852. PUBLISHED NOVEMBER 4, 1947. Class 23.

436,322. WINE. ROMA WINE COMPANY, Fresno, Calif., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware. Filed March 29, 1946. Serial No. 499,286. PUBLISHED OCTOBER 28, 1947. Class 47.

436,323. ATTENUATORS, FIXED RESISTORS, SLIDER RESISTORS, POWER RESISTORS, POWER RHEOSTATS, BALLAST RESISTORS, GLASS INSULATED RESISTORS, CERAMIC INSULATED RESISTORS, ETC. CLAROSTAT MFG. CO. INC., Brooklyn, N. Y. Filed April 2, 1946. Serial No. 499,483. PUBLISHED NOVEMBER 4, 1947. Class 21.

436,324. BEER. THE F. & M. SCHAEFER BREWING COMPANY, Brooklyn, N. Y. Filed April 5, 1946. Serial No. 499,732. PUBLISHED NOVEMBER 4, 1947. Class 48.

- 436,325. TOOL CARRYING ABRASIVE MATERIAL FOR FINISHING METAL PARTS AND ADAPTED TO BE DRIVEN BY A MACHINE OR MACHINE PART. HARCO PRODUCTS COMPANY, Chicago, Ill.
Filed April 18, 1946. Serial No. 500,471. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,326. TOOL CARRYING ABRASIVE MATERIAL FOR FINISHING METAL PARTS AND ADAPTED TO BE DRIVEN BY A MACHINE OR MACHINE PART. HARCO PRODUCTS COMPANY, Chicago, Ill.
Filed April 18, 1946. Serial No. 500,473. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,327. ROTARY POWER LAWN MOWERS. JOEL G. DOYLE, doing business as Doyle Manufacturing Company, Kansas City, Mo.
Filed April 26, 1946. Serial No. 500,968. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,328. VIBRATION AND SHOCK ABSORBING ENGINE AND TRANSMISSION MOUNTS FOR AUTOMOBILES, AND STABILIZER REPAIR KITS. THE DOAN MANUFACTURING CORPORATION, Cleveland, Ohio.
Filed May 8, 1946. Serial No. 501,646. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,329. GARDEN TOOLS—NAMESLY, TROWELS AND CULTIVATING FORKS. MARKLE FEATHERLITE PRODUCTS CORPORATION, Rochester, Mich.
Filed May 14, 1946. Serial No. 502,072. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,330. CANVAS APRON EXTENDING AROUND THE PORTION OF A TRACTOR WHICH COVERS THE ENGINE HOUSING AND HAVING CANVAS FLAPS EXTENDING REARWARDLY FROM THE ENGINE WHICH CLOSELY FOLLOW THE CONTOUR OF THE OPERATOR'S COMPARTMENT, ETC. CABETTE COMPANY INC., Danville, Ill.
Filed May 22, 1946. Serial No. 502,557. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,331. EQUIPMENT FOR USE IN THE DAIRY INDUSTRY—NAMESLY, ELECTRICALLY OPERATED CHAIN AND BELT MILK CAN CONVEYORS. WILLARD S. CAMPBELL, Chicago, Ill., assignor to M & C Conveyors, Inc., Chicago, Ill., a corporation of Illinois.
Filed June 8, 1946. Serial No. 503,496. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,332. CERAMIC PRODUCTS—NAMESLY, SPARK PLUG CORE-INSULATORS FOR BOTH AVIATION AND AUTOMATIC USE, ETC. THE B. G. CORPORATION, New York, N. Y.
Filed July 1, 1946. Serial No. 504,875. PUBLISHED NOVEMBER 4, 1947. Class 21.
- 436,333. NON-ELECTRIC, METAL COOKING UTENSILS—NAMESLY, RICE COOKERS AND STEAMERS. DAWN W. WINGEL, doing business as Wiegel Company, El Dorado, Ark.
Filed July 16, 1946. Serial No. 505,722. PUBLISHED NOVEMBER 4, 1947. Class 13.
- 436,334. SLIDING OPERATING DOOR UNIT CONSISTING OF ONE SET OF SLIDING DOOR HARDWARE AND ONE 2-MEMBER WOOD MOUNTING IN WHICH THE HARDWARE OPERATES. A. H. RAMSEY AND SONS, INC., Miami, Fla.
Filed July 17, 1946. Serial No. 505,768. PUBLISHED NOVEMBER 4, 1947. Class 13.
- 436,335. RAZOR BLADES. CONRAD RAZOR BLADE CO. INC., New York, N. Y.
Filed July 18, 1946. Serial No. 505,810. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,336. SHOWER CURTAINS. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed July 18, 1946. Serial No. 505,832. PUBLISHED NOVEMBER 4, 1947. Class 13.
- 436,337. SHOWER CURTAIN. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed July 18, 1946. Serial No. 505,834. PUBLISHED NOVEMBER 4, 1947. Class 13.

- 436,338. DIE CASTING MACHINES. HYDROPRESS, INCORPORATED, New York, N. Y.
Filed July 30, 1946. Serial No. 506,530. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,339. PILE DRIVING HEADS AND CUSHION BLOCKS AND ADAPTER RINGS THEREFOR. THE UNION METAL MANUFACTURING COMPANY, Canton, Ohio.
Filed August 1, 1946. Serial No. 506,711. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,340. RAZOR BLADES, SLICERS, BUTCHER KNIVES, UTILITY KNIVES, CARVING KNIVES AND POCKET KNIVES. PERSONNA BLADE CO., INC., New York, N. Y.
Filed August 7, 1946. Serial No. 507,019. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,341. KNIVES AND KNIFE BLADES FOR HOBBYISTS, ARTISTS, CRAFTSMEN, PHOTOGRAPHERS, AND FOR GENERAL HOUSEHOLD USE. EDGESS, INCORPORATED, Orange, N. J.
Filed August 10, 1946. Serial No. 507,183. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,342. RECIPROCATING, CENTRIFUGAL, AND ROTARY PUMPS, BOTH VERTICAL AND HORIZONTAL, HAVING BOTH SINGLE AND MULTIPLE CYLINDERS. LEYMAN MANUFACTURING CORPORATION, Cincinnati, Ohio.
Filed August 12, 1946. Serial No. 507,265. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,343. SCOURING TOOL FOR SCRAPING OIL FROM CONCRETE AND OTHER SURFACES AND SIMULTANEOUSLY APPLYING TO THE SURFACES A POWDERED SCOURING AGENT. GEORGE D. MYER, doing business as Wholesale Petroleum Company, Cincinnati, Ohio.
Filed August 12, 1946. Serial No. 507,267. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,344. SCYTHES, GRASS-HOOKS, GRASS SHEARS, BUSH HOOKS, CORN CUTTERS, AND HAY KNIVES. NORTH WAYNE TOOL CO., Oakland, Maine.
Filed August 15, 1946. Serial No. 507,483. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,345. TURRETS FOR USE WITH MACHINE TOOLS. HOWE & FANT, INC., South Norwalk, Conn.
Filed August 16, 1946. Serial No. 507,530. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,346. WINES. VINCENT J. SQUILLANTE, INC., New York, N. Y.
Filed August 16, 1946. Serial No. 507,546. PUBLISHED OCTOBER 28, 1947. Class 47.
- 436,347. METAL AND PLASTIC CONNECTORS AND COUPLINGS FOR TUBES AND PIPES. KANE PRODUCTS, INC., Shelton, Conn.
Filed August 20, 1946. Serial No. 507,679. PUBLISHED SEPTEMBER 9, 1947. Class 13.
- 436,348. HAMMER MILLS, CORN SHELLERS AND SHREDDERS, GRAIN SEPARATORS, FEED MILLS, AND PORTABLE CONVEYORS. VIKING MANUFACTURING COMPANY, Manhattan, Kans.
Filed August 31, 1946. Serial No. 508,396. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,349. STORAGE AND DRY BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed September 18, 1946. Serial No. 509,314. PUBLISHED NOVEMBER 4, 1947. Class 21.
- 436,350. ROPE TIGHTENERS, COMBINATION GARDEN RAKES AND HOES, KNIFE SHARPENERS, POINTING TROWELS, BRICK TROWELS, PLASTERING TROWELS, PUTTY KNIVES, AND PAINTERS' SCRAPERS. THE ATLAS-ANSONIA COMPANY, North Haven, Conn.
Filed October 3, 1946. Serial No. 510,155. PUBLISHED NOVEMBER 4, 1947. Class 23.

- 436,351. BATTERY CHARGERS. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed October 9, 1946. Serial No. 510,473. PUBLISHED NOVEMBER 4, 1947. Class 21.
- 436,352. ELECTRICALLY DRIVEN METAL DRILLING MACHINES. THE BRADFORD MACHINE TOOL CO., Cincinnati, Ohio.
Filed October 16, 1946. Serial No. 510,934. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,353. PRESSURE COOKERS. KAREN PRODUCTS, INC., New York, N. Y.
Filed October 18, 1946. Serial No. 511,093. PUBLISHED NOVEMBER 4, 1947. Class 13.
- 436,354. CARTOON STRIPS PUBLISHED PERIODICALLY. ALFRED FORD, doing business as Hollywood Features, New York, N. Y.
Filed October 21, 1946. Serial No. 511,207. PUBLISHED OCTOBER 28, 1947. Class 38.
- 436,355. TROLLEYS FOR OVERHEAD HOISTING AND CONVEYING MACHINES; CRANES, GRAB, SHOVEL, AND TUB BUCKETS FOR HANDLING ORE, ETC. INDUSTRIAL BROWNHOIST CORPORATION, Bay City, Mich.
Filed November 8, 1946. Serial No. 512,260. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,356. MOTOR LUBRICATING OIL. OAKES & COMPANY, Chicago, Ill.
Filed November 13, 1946. Serial No. 512,529. PUBLISHED OCTOBER 21, 1947. Class 15.
- 436,357. PRESSURE COOKERS MADE OF STAINLESS STEEL, AND CAST ALUMINUM COOKWARE—NAMESLY, KETTLES, TEAKETTLES, PRESERVING KETTLES, ETC. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill.
Filed November 14, 1946. Serial No. 512,557. PUBLISHED NOVEMBER 4, 1947. Class 13.
- 436,358. ELECTRIC LIGHTING FIXTURES. LUSTRA CORPORATION OF AMERICA, New York, N. Y.
Filed November 29, 1946. Serial No. 513,433. PUBLISHED NOVEMBER 4, 1947. Class 21.
- 436,359. BEER. THE WM. PETER BREWING CORP., Union City, N. J.
Filed December 15, 1946. Serial No. 514,387. PUBLISHED OCTOBER 28, 1947. Class 48.
- 436,360. OIL FILTER CARTRIDGES SOLD AS ENGINE ACCESSORIES. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed December 17, 1946. Serial No. 514,393. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,361. STEAM OPERATED ELECTRICALLY HEATED VAPORIZER FOR USE IN VAPORIZING INSECTICIDES, GERMICIDES, FUNGICIDES, AND DEODORANTS. ASSOCIATED CHEMICAL INDUSTRIES INC., Portland, Maine.
Filed December 27, 1946. Serial No. 514,881. PUBLISHED NOVEMBER 4, 1947. Class 21.
- 436,362. MALTLESS SOFT DRINKS AND CARBONATED WATERS. SAND SPRINGS BOTTLING CO., Tulsa, Okla.
Filed December 28, 1946. Serial No. 514,995. PUBLISHED OCTOBER 28, 1947. Class 45.
- 436,363. OIL FILTER CARTRIDGES SOLD AS ENGINE ACCESSORIES. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed December 30, 1946. Serial No. 515,013. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,364. SCISSORS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed January 8, 1947. Serial No. 515,406. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,365. SAFETY RAZORS AND SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed January 8, 1947. Serial No. 515,419. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,366. FILES AND SAWS. WILLIAM DIXON, INCORPORATED, Newark, N. J.
Filed January 11, 1947. Serial No. 515,613. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,367. NEWSPAPER FEATURE OR COLUMN PUBLISHED PERIODICALLY. THE GREWING CARD INDUSTRY, New York, N. Y.
Filed January 21, 1947. Serial No. 516,073. PUBLISHED OCTOBER 21, 1947. Class 38.
- 436,368. SELF-FEEDING PENS AND REFILLS THEREFOR. FIELDSTON BALL PEN CO., INC., New York, N. Y.
Filed January 22, 1947. Serial No. 516,119. PUBLISHED OCTOBER 28, 1947. Class 37.
- 436,369. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed January 22, 1947. Serial No. 516,137. PUBLISHED OCTOBER 28, 1947. Class 37.
- 436,370. PEN POINTS. SCRIPTO, INC., Atlanta, Ga.
Filed January 22, 1947. Serial No. 516,151. PUBLISHED OCTOBER 28, 1947. Class 37.
- 436,371. KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMESLY, SPATULAS, FORKS, SPOONS, TURNERS, HAND-OPERATED WHIPS, MASHERS, SCOOPS, STRAINERS, LADLES, ALL MADE OF BASE METAL. EXCO PRODUCTS COMPANY, Chicago, Ill.
Filed January 24, 1947. Serial No. 516,262. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,372. ELECTRICAL MOTORS, GENERATORS, AND SPEED CONTROLLING AND FREQUENCY CONTROLLING DEVICES FOR USE IN CONJUNCTION THEREWITH. AUTOMATIC CONTROL ENGINEERS, INC., Bedford, Ind.
Filed February 1, 1947. Serial No. 516,754. PUBLISHED MAY 13, 1947. Class 21.
- 436,373. DROP HAMMERS. CHAMBERSBURG ENGINEERING COMPANY, Chambersburg, Pa.
Filed February 4, 1947. Serial No. 516,889. PUBLISHED NOVEMBER 4, 1947. Class 23.
- 436,374. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. GRATELUD D. MANNING-DAVIES, doing business as G. D. M. Davies, Chicago, Ill.
Filed February 5, 1947. Serial No. 516,965. PUBLISHED OCTOBER 28, 1947. Class 45.
- 436,375. ELECTRIC DRY CELL BATTERIES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed February 20, 1947. Serial No. 517,860. PUBLISHED NOVEMBER 4, 1947. Class 21.
- 436,376. RADIO TELEPHONE AND TELEGRAPH TRANSMITTING UNITS AND RADIO RECEIVING AND/OR TRANSMITTING UNITS AND PARTS THEREFOR. AERONAUTICAL COMMUNICATIONS EQUIPMENT, INC., Miami, Fla.
Filed March 5, 1947. Serial No. 518,506. PUBLISHED NOVEMBER 4, 1947. Class 21.
- 436,377. SEWING MACHINE ATTACHMENTS AND PARTS COMPRISING REVERSE STITCH ATTACHMENTS, BOBBIN WINDERS, BOBBIN WINDER ADAPTERS, AND CLUTCHES. BAYBESS STITCH MANUFACTURING CO., Whittier, Calif.
Filed March 10, 1947. Serial No. 518,779. PUBLISHED NOVEMBER 11, 1947. Class 23.

436,378. RADIO RECEIVING SETS, AND ELECTRIC PHONOGRAPHS. HAMILTON ASSOCIATED INDUSTRIES, INC., Chicago, Ill.
Filed March 27, 1947. Serial No. 519,657. PUBLISHED NOVEMBER 4, 1947. Class 21.

436,379. NECK CHAINS, NECKLACES, BRACELETS, ANKLE CHAINS AND ANKLETS OF GOLD, SILVER AND OTHER PRECIOUS METALS. KLEINMAN BROTHERS, New York, N. Y.
Filed March 27, 1947. Serial No. 519,668. PUBLISHED NOVEMBER 11, 1947. Class 28.

436,380. HYDRAULIC VEHICLE JACK. ZAMAX MANUFACTURING CO., INC., Haverstraw, N. Y.
Filed April 1, 1947. Serial No. 520,007. PUBLISHED NOVEMBER 4, 1947. Class 23.

436,381. BAG CLOSING MACHINES, BAG SEALING MACHINES AND BAG SHAKERS, THE LATTER BEING MACHINES FOR COMPACTING MATERIAL IN CONTAINERS AND BAGS PRIOR TO CLOSING AND SEALING. BEMIS BRO. BAG CO., Minneapolis, Minn.
Filed April 2, 1947. Serial No. 520,012. PUBLISHED NOVEMBER 4, 1947. Class 23.

436,382. ELECTRIC WIRES AND CABLES. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y.
Filed April 12, 1947. Serial No. 520,542. PUBLISHED OCTOBER 21, 1947. Class 21.

436,383. ELECTRIC WIRES AND CABLES. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y.
Filed April 14, 1947. Serial No. 520,600. PUBLISHED OCTOBER 21, 1947. Class 21.

436,384. ELECTRIC WIRES AND CABLES. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y.
Filed April 14, 1947. Serial No. 520,601. PUBLISHED OCTOBER 21, 1947. Class 21.

ACT OF 1920

These registrations are not subject to opposition.

436,393. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) DUPLEX FABRICS CORPORATION, New York, N. Y. Filed Jan. 23, 1946. Serial No. 495,223.

Sunnybrook

FOR RAYON PIECE GOODS.
Claims use since Nov. 21, 1942.

436,394. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED C. MEYER, doing business as Meyer Chemical Company, Sioux City, Iowa. Filed Apr. 1, 1946. Serial No. 499,424.

**MEYER'S
DEADO**

FOR INSECTICIDES.
Claims use since Oct. 1, 1941.

436,385. ELECTRIC PLUGS, ELECTRIC SOCKETS, ELECTRIC TERMINALS, AND ELECTRIC TERMINAL STRIPS. ALCON METAL PRODUCTS, INC., Chicago, Ill.

Filed April 28, 1947. Serial No. 521,421. PUBLISHED NOVEMBER 4, 1947. Class 21.

436,386. ELECTRICAL AMPLIFIERS, ELECTRICAL CONDENSERS, AND ELECTRICAL SWITCHES. HERLEC CORPORATION, Milwaukee, Wis.

Filed April 28, 1947. Serial No. 521,449. PUBLISHED NOVEMBER 4, 1947. Class 21.

436,387. HYDRAULIC JACKS. UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio.

Filed May 1, 1947. Serial No. 521,703. PUBLISHED NOVEMBER 4, 1947. Class 23.

436,388. ELECTRIC VACUUM CLEANERS. UNION VACUUM STORES, Chicago, Ill.

Filed May 2, 1947. Serial No. 521,771. PUBLISHED NOVEMBER 4, 1947. Class 21.

436,389. RADIO RECEIVING SETS. STEWART-WARNER CORPORATION, Chicago, Ill.

Filed May 6, 1947. Serial No. 521,989. PUBLISHED NOVEMBER 4, 1947. Class 21.

436,390. MACHINES FOR MAKING TRANSPARENT PLASTIC BOXES. THE AMERICAN TOOL WORKS COMPANY, Cincinnati, Ohio.

Filed May 13, 1947. Serial No. 522,302. PUBLISHED NOVEMBER 11, 1947. Class 23.

436,391. PRESSURE COOKERS. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.

Filed June 24, 1947. Serial No. 524,677. PUBLISHED NOVEMBER 4, 1947. Class 13.

436,392. SHOWER CURTAINS. THE ARNEL COMPANY, INC., New York, N. Y.

Filed July 2, 1947. Serial No. 525,529. PUBLISHED NOVEMBER 4, 1947. Class 13.

436,395. (CLASS 21. ELECTRIC APPARATUS, MACHINES AND SUPPLIES.) FAXIMILE, INC., New York, N. Y. Filed July 27, 1946. Serial No. 506,374.

FAXIMILE

FOR TRANSMITTERS AND RECORDERS FOR TRANSMITTING AND RECORDING FACSIMILE SIGNALS BY ELECTRIC CURRENTS ON OR IN AN APPROPRIATE RECORD MEDIUM, PARTS THEREOF AND SUPPLIES.

Claims use since Mar. 31, 1940.

436,396. (CLASS 10. FERTILIZERS.) CARSTENS PACKING COMPANY, Tacoma, Wash. Filed Jan. 31, 1947. Serial No. 516,669.

NuLife

FOR FERTILIZER.
Claims use since Feb. 1, 1930.

436,397. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) TRAFORD FABRICS, INC., New York, N. Y. Filed Feb. 14, 1947. Serial No. 517,530.

DUO-CHECK

FOR RAYON, NYLON, AND COTTON FABRICS, SOLD BY THE PIECE.
Claims use since September 1946.

436,398. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS J. JONES, Anacoco, La. Filed July 3, 1947. Serial No. 525,861.

T. J. JONES

FOR PREPARATION FOR THE RELIEF OF RHEUMATISM, SPRAINS, AND MUSCULAR STRAINS.
Claims use since June 15, 1945.

TRADE-MARK REGISTRATIONS RENEWED

65,403. MIDGETS. Registered Sept. 24, 1907. Oakdale Baking Company. Re-renewed Sept. 24, 1947, to American Cone & Pretzel Company, Philadelphia, Pa., a corporation of West Virginia. PRETZELS. Class 46.

65,490. "TOLEDO" AND DRAWING. Registered Oct. 8, 1907. Jno. Hy. Andrew & Co. Ltd. Re-renewed Oct. 8, 1947, to Andrews Toledo Ltd., Sheffield, England, a company incorporated under the laws of the United Kingdom of Great Britain. STEEL IN BAR, ROD, RAIL, HOOP, SHEET, AND WIRE. Class 14.

65,611. "TOLEDO" AND DRAWING. Registered Oct. 8, 1907. Jno. Hy. Andrew & Co. Ltd. Re-renewed Oct. 8, 1947, to Andrews Toledo Ltd., Sheffield, England, a company incorporated under the laws of the United Kingdom of Great Britain. MACHINE KNIVES, MACHINE TOOLS, TWIST DRILLS, AND MILLING AND OTHER CUTTERS. Class 23.

66,183. HENDERSON. Registered Nov. 12, 1907. Peter Henderson & Co., New York, N. Y., a corporation of New Jersey. Re-renewed Nov. 12, 1947. AGRICULTURAL AND HORTICULTURAL SEEDS. Class 1.

66,207. HENDERSON. Registered Nov. 12, 1907. Peter Henderson & Co., New York, N. Y., a corporation of New Jersey. Re-renewed Nov. 12, 1947. LAWN MOWERS. Class 23.

66,843. MARMOLA. Registered Dec. 31, 1907. Marmola Company. Re-renewed Dec. 31, 1947, to Raladam Company, Detroit, Mich., a corporation of Michigan. OBESITY REMEDIES. Class 6.

214,284. BENDIX. Registered June 15, 1926. Bendix Brake Company, Chicago, Ill. Renewed Jan. 5, 1948 (Supplemental Register), to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware. VEHICLE BRAKES AND PARTS THEREOF AND OPERATING CONNECTIONS THEREFOR. Class 19.

226,491. TAN-O-TAN AND REPRESENTATION OF CURVED LINE AND STRAIGHT LINE. Registered Apr. 12, 1927. F. Ravielle Company. Renewed Apr. 12, 1947, to F. Ravielle Company, Grand Rapids, Mich., a corporation of Michigan. BELTING—NAMESLY, LEATHER BELTING. Class 35.

226,817. NARROW VERTICAL REPRESENTATION OF THREE LAYERS OF RUBBER COLORED RED, WHITE AND BLUE. Registered Apr. 19, 1927. Dixie Manufacturing Co. Inc. Renewed Apr. 19, 1947, to Dixie Manufacturing Company, Jackson, Miss., a firm. RUBBER PATCH FOR AUTOMOBILE TIRES, TUBES, AND OTHER RUBBER SURFACES. Class 35.

227,601. STRAIGHT SHOOTER. Registered May 10, 1927. William E. McDavitt, doing business as McDavitt Brothers. Renewed May 10, 1947, to Larry Lightner, Inc., Brownsville, Tex., a corporation of Texas. FRESH VEGETABLES—NAMELY, BEANS, TOMATOES, SQUASH, CUCUMBERS, POTATOES. Class 46.

229,928. "KAUFMANN'S" ETC. AND DESIGN. Registered July 12, 1927. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Renewed July 12, 1947, to The May Department Stores Company, St. Louis, Mo., a corporation of New York. COTTON BED SHEETS, LINEN BED SHEETS, COTTON PILLOWCASES, AND OTHER NAMED ARTICLES OF KNITTED, NETTED, AND TEXTILE FABRICS. Class 42.

230,531. "KELSWORTH" AND OVAL DESIGN. Registered July 26, 1927. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Renewed July 26, 1947, to The May Department Stores Company, St. Louis, Mo., a corporation of New York. WASHING MACHINES. Class 24.

231,492. "HARTLINE PEN" ETC. AND DESIGN. Registered Aug. 23, 1927. Hartline Blotter Pen Company, Tampa, Fla., a corporation of Florida. Renewed Aug. 23, 1947. FOUNTAIN PEN, ROLLER BLOTTERS, AND FOUNTAIN PEN PARTS. Class 37.

232,104. RUB-R-TITE. Registered Aug. 30, 1927. Star Brush Manufacturing Co. Inc., Brooklyn, N. Y. Renewed Aug. 30, 1947, to Star Brush Manufacturing Co. Inc., Boston, Mass., a corporation of New York. BRUSHES—NAMELY, WALL BRUSHES, SCRUBBING BRUSHES, CLOTHES BRUSHES; PAINT, VARNISH, AND WHITEWASH BRUSHES; AND OTHER NAMED BRUSHES. Class 29.

233,423. PLANTATION PRIDE. Registered Sept. 27, 1927. Robinson Syrup Company, Cairo, Ga., a corporation of Georgia. Renewed Sept. 27, 1947. TABLE SIRUP. Class 46.

- 233,556. HAIREX. Registered Oct. 4, 1927. Wilfred Laboratories, Inc., New York, N. Y., a corporation of New York. Renewed Oct. 4, 1947. TOILET PREPARATIONS—NAMELY, HAIR-REMOVING WAX OR DEPILATORY. Class 6.
- 233,637. TANA. Registered Oct. 4, 1927. Liberty & Co., Limited, London, England, a company incorporated under the laws of the United Kingdom of Great Britain. Renewed Oct. 4, 1947. LAWN, BEING COTTON PIECE GOODS. Class 42.
- 233,888. "THE PARKERSBURG RIG AND REEL CO." ETC. AND DRAWING LINED FOR GREEN, RED AND GOLD. Registered Oct. 11, 1927. The Parkersburg Rig and Reel Company, Parkersburg, W. Va., a corporation of West Virginia. Renewed Oct. 11, 1947. DERRICKS, WALKING BEAMS, CROWN BLOCKS, DRILLING MACHINES, AND SAND REELS. Class 23.
- 233,943. FIBRED. Registered Oct. 11, 1927. Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts. Renewed Oct. 11, 1947. DRIED, SMOKED, PICKLED, SALTED, AND CANNED FISH. Class 46.
- 234,029. "CUNOCAR" ETC. AND DESIGN. Registered Oct. 18, 1927. Cuno R. Bryant, Portland, Ore. Renewed Oct. 18, 1947. ACCOUNT BOOKS AND ACCOUNTING FORMS. Class 37.
- 234,041. "CHIFFON" ETC. AND DRAWING. Registered Oct. 18, 1927. Hoberg Paper & Fibre Company, Green Bay, Wis. Renewed Oct. 18, 1947, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada. TOILET PAPER. Class 37.
- 234,217. DUKE'S MIXTURE. Registered Oct. 18, 1927. Liggett & Myers Tobacco Company, New York, N. Y., a corporation of New Jersey. Renewed Oct. 18, 1947. SMOKING AND CHEWING TOBACCO. Class 17.
- 234,264. SNOW FLAKE. Registered Oct. 18, 1927. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Renewed Oct. 18, 1947. EDIBLE STARCH. Class 46.
- 234,403. GREEN TIP. Registered Oct. 25, 1927. Keystone Steel & Wire Company, South Bartonville, Peoria, Ill., a corporation of Illinois. Renewed Oct. 25, 1947. BALE TIES. Class 13.
- 234,726. MECHENO. Registered Nov. 1, 1927. The Standard Corset Company, New York, N. Y. Renewed Nov. 1, 1947, to The Standard Corset Company, Holyoke, Mass., a corporation of Massachusetts. CORSETS, GIRDLES, CORSETLETS, CORSET WRAPS, ABDOMINAL BELTS, COMBINED CORSETS AND ABDOMINAL BELTS AND OTHER NAMED BELT AND CORSET ITEMS. Class 39.
- 235,168. "FRO-JOY" ETC. AND DESIGN. Registered Nov. 15, 1927. General Ice Cream Corporation, Schenectady, N. Y., a corporation of New York. Renewed Nov. 15, 1947. ICE CREAM AND ICES. Class 46.
- 235,169. "FRO-JOY". Registered Nov. 15, 1927. General Ice Cream Corporation, Schenectady, N. Y., a corporation of New York. Renewed Nov. 15, 1947. ICE CREAM AND ICES. Class 46.
- 235,462. FORT HOWARD. Registered Nov. 22, 1927. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed Nov. 22, 1947. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, PAPER DOILIES, PAPER TABLECLOTHS, AND TISSUE PAPER. Class 37.
- 235,805. "THE PARKERSBURG RIG AND REEL CO." ETC. AND DRAWING LINED FOR GREEN, GOLD AND RED. Registered Nov. 29, 1927. The Parkersburg Rig and Reel Company, Parkersburg, W. Va., a corporation of West Virginia. Renewed Nov. 29, 1947. STORAGE TANKS. Class 2.
- 236,179. "HIGHLAND PARK" ETC. AND DRAWING LINED FOR RED AND GREEN. Registered Dec. 6, 1927. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Renewed Dec. 6, 1947, to The May Department Stores Company, St. Louis, Mo., a corporation of New York. LAWN SEED. Class 1.
- 236,246. REMOVA-PASS. Registered Dec. 6, 1927. Philip Florin. Renewed Dec. 6, 1947, to Philip Florin, Inc., New York, N. Y., a corporation of New York. CARDCASES MADE OF LEATHER OR REPTILE SKINS. Class 3.
- 236,359. ARBUTUS. Registered Dec. 13, 1927. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Renewed Dec. 13, 1947, to The May Department Stores Company, St. Louis, Mo., a corporation of New York. COTTON SHEETS, LINEN SHEETS, COTTON PILLOWCASES, LINEN PILLOWCASES; BLANKETS—WOOL, COTTON, COTTON AND WOOL; AND SPREADS—COTTON, RAYON, LINEN. Class 42.
- 236,427. NONESUCH. Registered Dec. 13, 1927. Merrill-Soule Company, Syracuse, N. Y. Renewed Dec. 13, 1947, to The Borden Company, New York, N. Y., a corporation of New Jersey. LEMON-PIE FILLING. Class 46.
- 236,626. BURGESS "B" ETC. AND DESIGN—VERTICAL LINING INDICATES RED COLOR. Registered Dec. 20, 1927. Burgess Battery Company, Madison, Wis. Renewed Dec. 20, 1947, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware. ELECTRIC BATTERIES. Class 21.
- 237,167. "IRIS" AND REPRESENTATION OF AN IRIS. Registered Jan. 3, 1928. The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio. Renewed Jan. 3, 1948. SHOES CONSTRUCTED OF LEATHER OR PARTLY OF LEATHER. Class 39.
- 237,273. CORDOUE. Registered Jan. 3, 1928. Bianchini, Ferrier, Lyons, France. Renewed Jan. 3, 1948, to Bianchini Ferrier, Inc., New York, N. Y., a corporation of New York. SILK FABRICS. Class 42.
- 237,359. THE QUARTZ LAMP. Registered Jan. 10, 1928. Alpine Press, Inc., Newark, N. J., a corporation of New Jersey. Renewed Jan. 10, 1948. MONTHLY PUBLICATION. Class 38.
- 237,798. ROYAL PALM. Registered Jan. 17, 1928. Indianapolis Glove Company, Indianapolis, Ind., a corporation of Indiana. Renewed Jan. 17, 1948. GLOVES MADE OF CANTON FLANNEL AND LEATHER. Class 39.
- 238,114. SYNCHOLAN. Registered Jan. 24, 1928. Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Renewed Jan. 24, 1948, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey. MEDICINAL PREPARATION FOR THE TREATMENT OF DIABETES. Class 6.
- 238,257. RED LINE. Registered Jan. 31, 1928. Keystone Steel & Wire Company, South Bartonville, Peoria, Ill., a corporation of Illinois. Renewed Jan. 31, 1948. WIRE FENCE. Class 13.
- 238,450. DYTINT. Registered Feb. 7, 1928. North American Dye Corporation, Mount Vernon, N. Y., a corporation of New York. Renewed Feb. 7, 1948. DYES. Class 6.
- 238,495. SOUTHERN ROSE. Registered Feb. 7, 1928. The William Schluderberg-T. J. Kurdle Company, Baltimore, Md., a corporation of Maryland. Renewed Feb. 7, 1948. PACKERS' PRODUCTS—NAMELY, LARD, PORK ROLL, DRIED BEEF, CHEESE, LARD COMPOUNDS MADE FROM COTTON SEED OIL AND OTHER OILS. Class 46.

- 238,703. "CHEESRONI" AND DESIGN. Registered Feb. 14, 1928. Skinner Manufacturing Company, Omaha, Nebr., a corporation of Nebraska. Renewed Feb. 14, 1948. FOOD PRODUCT CONSISTING OF A COMBINATION OF MACARONI AND CHEESE. Class 46.
- 238,811. FORGED STEEL. Registered Feb. 14, 1928. Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Renewed Feb. 14, 1948, to Sweet-Orr & Co., Inc., New York, N. Y., a corporation of New York. WORK CLOTHING CONSISTING OF WAIST OVERALLS, APRON OVERALLS, OVERALL COATS, WORK PANTS, AND WORK COATS. Class 39.
- 238,865. TONKA. Registered Feb. 14, 1928. Jordan Stevens Company, Minneapolis, Minn., a corporation of Delaware. Renewed Feb. 14, 1948. CANNED FRUITS, CANNED VEGETABLES, COFFEE, FRUIT PRESERVES AND JELLIES, PEANUT BUTTER, AND OTHER NAMED FOODS AND INGREDIENTS OF FOODS. Class 46.
- 239,163. "ARROW BLOTTING" AND DESIGN. Registered Feb. 21, 1928. Rochester Paper Co., Rochester, Mich., a corporation of Michigan. Renewed Feb. 21, 1948. BLOTTING PAPER. Class 37.
- 239,313. SOYOGU. Registered Feb. 28, 1928. Japan Paper Company. Renewed Feb. 28, 1948, to Japan Paper Company, Inc., New York, N. Y., a corporation of New York. TISSUE PAPER. Class 37.
- 239,320. CO-SHOC. Registered Feb. 28, 1928. The Coshoc Glove Co., Coshoc, Ohio. Renewed Feb. 28, 1948, to The Indianapolis Glove Company, Indianapolis, Ind., a corporation of Indiana. GLOVES AND MITTENS OF FABRIC, LEATHER, KNITTED MATERIAL, AND COMBINATIONS THEREOF. Class 39.
- 239,724. "JABÓN PURO CREME OIL" ETC. AND DESIGN. Registered Mar. 13, 1928. The Palmolive-Peet Company, Chicago, Ill. Renewed Mar. 13, 1948, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. SOAP. Class 4.
- 239,731. CREME OIL. Registered Mar. 13, 1928. The Palmolive-Peet Company, Chicago, Ill. Renewed Mar. 13, 1948, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. SOAP. Class 4.
- 239,768. "MARBLEIRON" AND HEAVY UNDERLINE. Registered Mar. 13, 1928. The Porcelain Enamel and Manufacturing Company of Baltimore. Renewed Mar. 13, 1948, to Pemco Corporation, Baltimore, Md., a corporation of Maryland. FURNITURE, PARTICULARLY TABLES, TOPS FOR TABLES, KITCHEN CABINETS, TOPS FOR KITCHEN CABINETS, AND STOOLS. Class 32.
- 240,421. "FANCHON" AND FLOWER DESIGN. Registered Mar. 27, 1928. The Palmolive-Peet Company, Chicago, Ill. Renewed Mar. 27, 1948, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. ROUGE, FACE POWDER, TALCUM POWDER, TOILET POWDER, COLD CREAM, VANISHING CREAM, AND TOILET WATER. Class 6.
- 178,866. EMPERATRIZ. Registered Jan. 29, 1924. The Midland Flour Milling Co., Kansas City, Mo. WHEAT FLOUR. Class 46. Corrected as follows: In the original certificate, line 4; in the statement, column 1, line 3; and in the renewal certificate, line 2, second occurrence, for "Missouri" read Kansas.
- 401,167. X-ACTO. Registered Apr. 27, 1943. X-Acto Crescent Products, Inc., New York, N. Y. KNIVES FOR HOBBY, ARTS, AND CRAFTS. Class 23. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in the statement, line 1; and in the printed signature to the statement, after "Products" insert Co.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 52,072. Registered May 1, 1906. HULL COAL AND COKE CORPORATION, Roanoke, Va. Republished by Red Jacket Coal Corporation, Columbus, Ohio, a corporation of Delaware.

RED JACKET

FOR COAL AND COKE.
Claims use since June 27, 1899.

Reg. No. 148,938. Registered Nov. 29, 1921. RED JACKET CONSOLIDATED COAL AND COKE COMPANY, Red Jacket, W. Va. Republished by Red Jacket Coal Corporation, Columbus, Ohio, a corporation of Delaware.

RED JACKET



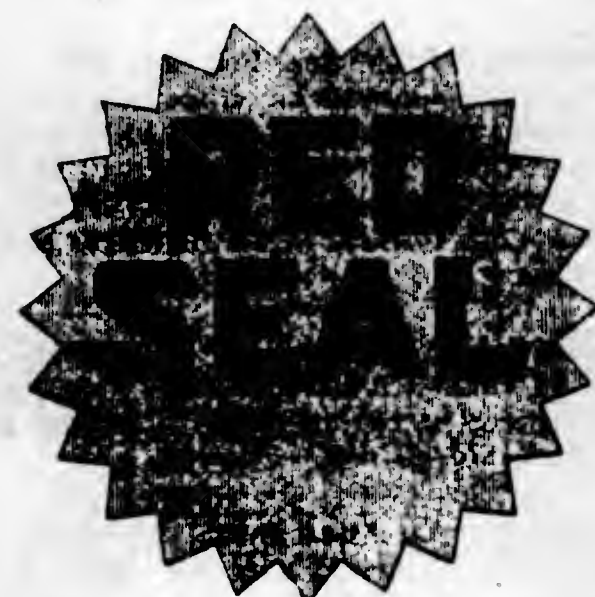
FOR COAL AND COKE.
Claims use since June 27, 1899.

Reg. No. 151,130. Registered Jan. 24, 1922. FOUKE FUR COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.



The words "St. Louis" and "Dressing & Dye" are disclaimed.
FOR FURS, SKINS, HIDES, AND PELTS.
Claims use since May 23, 1921.

Reg. No. 153,193. Registered Mar. 14, 1922. HAIKY PERUVIAN ALFALFA SEED GROWERS ASSOCIATION, Yuma, Ariz. Republished by Northrup, King & Co., Minneapolis, Minn., a corporation of Minnesota.



Vertical lining denotes red color.
FOR ALFALFA SEED.
Claims use since July 1, 1921.

Reg. No. 223,511. Registered June 7, 1927. NORTHROP, KING & Co., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

PARKVIEW

FOR LAWN-GRASS SEED.
Claims use since July 1, 1926.

CLASS 2

RECEPTACLES

Reg. No. 150,547. Registered Jan. 3, 1922. ROSS-GOULD COMPANY, St. Louis, Mo. Republished by Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis., a corporation of Wisconsin.

Kleradesk

FOR FILING RECEPTACLES IN THE NATURE OF DESK FURNITURE.
Claims use since Oct. 15, 1920.

FEBRUARY 3, 1948

U. S. PATENT OFFICE

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CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 161,950. Registered Nov. 28, 1922. HARTMANN TRUNK COMPANY, Racine, Wis. Republished by Hartmann Company, Racine, Wis., a corporation of Wisconsin.

Gibraltarized

FOR TRUNKS.
Claims use since 1912.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 152,444. Registered Feb. 28, 1922. JAMES S. KIRK & COMPANY, Chicago, Ill. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

AMERICAN CROWN SOAP

Lining indicates red, blue and gold. The word "Soap" is disclaimed.
FOR SOAP.
Claims use since September 1900.

Reg. No. 159,494. Registered Sept. 26, 1922. THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Republished by The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio.

Tropicpalm

FOR SOAP.
Claims use since Feb. 14, 1922.

Reg. No. 177,559. Registered Dec. 18, 1923. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

GRIMETER

FOR SOAP.
Claims use since May 16, 1919.

Reg. No. 179,211. Registered Feb. 5, 1924. THE RUB-NORMORE COMPANY, Fort Wayne, Ind. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

SPOTLESS

FOR CLEANSER.
Claims use since August 1912.

Reg. No. 223,177. Registered Jan. 18, 1927. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

ARIEL

FOR TOILET AND BATH SOAP.
Claims use since Aug. 31, 1926.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 134,806. Registered Sept. 14, 1920. THE SINCLAIR MANUFACTURING COMPANY, Toledo, Ohio. Republished by H. M. Sinclair, Jr., trustee for the partnership, The Sinclair Manufacturing Company, Toledo, Ohio, a partnership of Ohio.



FOR POWDERED LYE.
Claims use since Oct. 9, 1917.

Reg. No. 149,047. Registered Dec. 6, 1921. DR. PETER FAHRENEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Trade Mark" and "Chicago, Ill., U. S. A." are disclaimed.

FOR A SYSTEM-TONIC TO IMPROVE THE APETITE, TO PROMOTE DIGESTION, TO REGULATE THE ACTION OF THE BOWELS, AND TO QUIET THE NERVOUS SYSTEM, ETC.
Claims use since July 30, 1920.

Reg. No. 155,652. Registered June 6, 1922. CONDENSED BLUING COMPANY, Chicago, Ill. Republished by The John Publ Products Company, Chicago, Ill., a corporation of Illinois.



The mark is lined for blue.
FOR BLUING.
Claims use since 1914.

Reg. No. 162,302. Registered Dec. 12, 1922. MALLING-KRODT CHEMICAL WORKS, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

ICH'THYMALL

FOR A PRODUCT USED FOR THE TREATMENT OF SKIN DISEASES.
Claims use since Jan. 1, 1922.

Reg. No. 181,205. Registered Mar. 18, 1924. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France. Republished by Caron Corporation, New York, N. Y., a corporation of New York.

BAIN de CHAMPAGNE

FOR TOILET WATER FOR BATHING.
Claims use since on or about Aug. 1, 1923.

Reg. No. 182,585. Registered Apr. 15, 1924. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a corporation of New York. Republished by Caron Corporation, New York, N. Y., a corporation of New York.



FOR PERFUME, TOILET WATER, TALCUM POWDER.
Claims use since Dec. 1, 1912.

Reg. No. 188,507. Registered Aug. 26, 1924. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MOTHOBLOC

FOR INSECTICIDES.
Claims use since May 18, 1923.

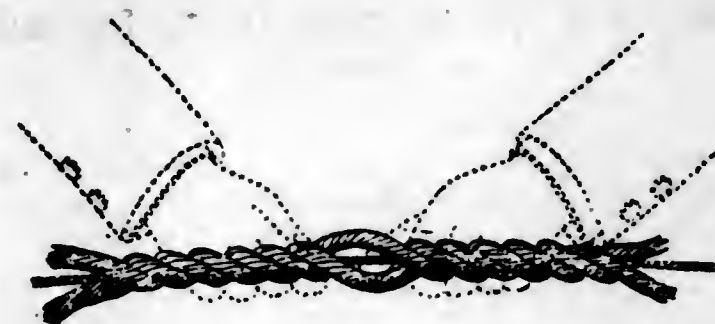
Reg. No. 228,949. Registered June 14, 1927. THE DAIGON CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

GLYXINE

FOR SUBSTITUTES FOR GLYCERIN.
Claims use since Dec. 1, 1925.

CLASS 7 CORDAGE

Reg. No. 170,596. Registered July 17, 1923. TUBBS CORDAGE COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.



The representation of the rope and the hands are disclaimed.
FOR ROPE MADE FROM FIBER.
Claims use since latter part of the year 1906.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 77,295. Registered Mar. 29, 1910. CHICAGO SPRING BUTT COMPANY, Chicago, Ill. Republished by Chicago Spring Hinge Company, Chicago, Ill., a corporation of Illinois, by change of name.

CHICAGO

FOR HINGES.
Claims use since June 1885.

Reg. No. 190,857. Registered Oct. 28, 1924. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant, present location Des Plaines, Ill.

Crysteel

FOR ENAMELED STAMPED METAL TABLE TOPS AND KITCHEN SHELVES MADE WHOLLY OR PARTLY OF ENAMELED STEEL.
Claims use since about Jan. 2, 1922.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 159,429. Registered Sept. 28, 1922. MAGNOLIA METAL COMPANY, New York, N. Y., a corporation of West Virginia. Republished by registrant, present location Elizabeth, N. J.

ADAMANT

FOR BABBITT, BEARING, AND ANTIFRICTION METALS AND ALLOYS.
Claims use since Dec. 12, 1901.

Reg. No. 164,628. Registered Feb. 20, 1923. MAGNOLIA METAL COMPANY, New York, N. Y., a corporation of West Virginia. Republished by registrant, present location Elizabeth, N. J.

DEFENDER

FOR BABBITT, BEARING, AND ANTIFRICTION METALS AND ALLOYS.
Claims use since Aug. 14, 1901.

Reg. No. 164,760. Registered Feb. 27, 1923. MAGNOLIA METAL COMPANY, New York, N. Y., a corporation of West Virginia. Republished by registrant, present location Elizabeth, N. J.

MYSTIC

FOR BABBITT, BEARING, AND ANTIFRICTION METALS AND ALLOYS.
Claims use since January 1893.

Reg. No. 166,841. Registered Apr. 17, 1923. MAGNOLIA METAL COMPANY, New York, N. Y., a corporation of West Virginia. Republished by registrant, present location Elizabeth, N. J.

POWER

FOR BABBITT, BEARING, AND ANTIFRICTION METALS AND ALLOYS.
Claims use since June 1913.

Reg. No. 346,331. Registered May 25, 1937. WORTHINGTON PUMP AND MACHINERY CORPORATION, Harrison, N. J., assignor to The Worthington Pump and Machinery Corporation, a corporation of Delaware. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

WORTHITE

FOR FERROUS METAL IN PIGS, METAL CASTINGS, AND FORGINGS, IN THE ROUGH, SEMI-FINISHED, AND FINISHED.
Claims use since Mar. 20, 1936.

CLASS 15

OILS AND GREASES

Reg. No. 241,782. Registered May 8, 1928. WISCONSIN ELECTRIC COMPANY, Racine, Wis. Republished by The Dumore Company, Racine, Wis., a corporation of Wisconsin.

DUMORE

FOR LUBRICATING OILS.
Claims use on oil since November 1917; and on grease since Nov. 5, 1927.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 153,399. Registered Mar. 21, 1922. ARMOR OIL & CHEMICAL COMPANY, Kansas City, Mo. Republished by Tnemec Company, Inc., Kansas City, Mo., a corporation of Missouri.

TNEMEC

FOR READY-MIXED PAINTS.
Claims use since July 15, 1921.

Reg. No. 181,608. Registered Mar. 25, 1924. MINNESOTA LANSBED OIL PAINT CO., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

TITANWHITE

FOR SEMI-PASTE PAINTS.
Claims use since Mar. 29, 1922.

CLASS 19

VEHICLES

Reg. No. 186,307. Registered July 8, 1924. THE T. H. SYMINGTON COMPANY, New York and Rochester, N. Y. Republished by The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland.



FOR JOURNAL BOXES FOR RAILWAY VEHICLES, TRUCK SIDE FRAMES, DRAFT RIGGING PARTS—NAMESLY, YOKES, CHEEK PLATES, BACK STOPS AND DRAFT KEYS.
Claims use since October 1908.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 120,343. Registered Feb. 5, 1918. CHICAGO FUSE MFG. CO., Chicago, Ill. Republished by Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois.



FOR ENCLOSED ELECTRIC FUSES, FUSE-LINKS.
Claims use since 1905.

Reg. No. 147,924. Registered Nov. 8, 1921. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Silkenamel

FOR MAGNET-WIRES.
Claims use since Jan. 1, 1910.

Reg. No. 147,927. Registered Nov. 8, 1921. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Gotenamel

FOR MAGNET-WIRES.
Claims use since Jan. 1, 1910.

Reg. No. 158,430. Registered Sept. 5, 1922. ECONOMY FUSE AND MANUFACTURING CO., Chicago, Ill. Republished by Economy Fuse and Manufacturing Company, Chicago, Ill., a corporation of Illinois.

CLEARSITE

FOR FUSES.
Claims use since Nov. 12, 1921.

Reg. No. 165,305. Registered Mar. 6, 1923. APPLETON ELECTRIC COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Electric Products" are disclaimed.
FOR LOCK NUTS, BUSHINGS, CONNECTORS (I. E., NIPPLES FOR ATTACHMENT TO OUTLET BOXES), SWIVEL FIXTURE JOINTS, ETC.
Claims use since Jan. 15, 1921.

Reg. No. 174,452. Registered Oct. 16, 1923. RESPRO INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant, present location Cranston, R. I.

"VOLTape"

FOR ELECTRIC INSULATING MATERIAL OF UNWOVEN FABRIC IMPREGNATED WITH AN ADHESIVE SUBSTANCE.

Claims use since Sept. 15, 1920.

Reg. No. 178,508. Registered Jan. 15, 1924. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant, present location Des Plaines, Ill.

PARABOLITE

FOR ELECTRICAL-LIGHTING FIXTURE UNITS.
Claims use since Nov. 1, 1915.

Reg. No. 185,250. Registered June 10, 1924. THE AUTOCALL COMPANY, Shelby, Ohio, a corporation of Ohio. Republished by registrant.

Autocall

FOR APPARATUS AND EQUIPMENT FOR USE IN PAGING SERVICE, FIRE-ALARM SERVICE, ETC.
Claims use since 1909.

Reg. No. 190,654. Registered Oct. 21, 1924. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant, present location Des Plaines, Ill.

TOP

FOR PUSH-BUTTON SWITCHES FOR AUTOMOBILES.
Claims use since June 1, 1921.

Reg. No. 286,182. Registered Aug. 18, 1931. WALTER KIDDE & COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant, present location Belleville, N. J.

SELEX

FOR FIRE DETECTING SYSTEMS COMPRISING ELECTRICALLY ACTUATED ALARM AND INDICATING APPARATUS TO INDICATE THE PRESENCE AND LOCATION OF FIRE UPON THE ACTUATION OF A HEAT RESPONSIVE MECHANISM INCLUDED IN THE ELECTRICAL SYSTEM.

Claims use since about Jan. 15, 1931.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 36,308. Registered Apr. 23, 1901. WITHINGTON AND COOLEY MFG. CO., Jackson, Mich. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

ZONIT

FOR FIRE DETECTING SYSTEMS COMPRISING ELECTRICALLY ACTUATED ALARM AND INDICATING APPARATUS TO INDICATE THE PRESENCE AND LOCATION OF FIRE UPON THE ACTUATION OF A HEAT RESPONSIVE MECHANISM INCLUDED IN THE ELECTRICAL SYSTEM.

Claims use since about Apr. 23, 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 89,787. Registered Jan. 7, 1913. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

FOR GOLF BALLS.
Claims use since January 1908.

Reg. No. 179,925. Registered Feb. 19, 1924. CUPPLES COMPANY MANUFACTURERS, St. Louis, Mo. Republished by The Worthington Ball Company, Elyria, Ohio, a corporation of Ohio.

Two-Up

FOR GOLF BALLS.
Claims use since on or about Dec. 20, 1922.

Reg. No. 181,142. Registered Mar. 11, 1924. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

MARVEL

FOR GOLF BALLS.
Claims use since June 13, 1923.

ACME

FOR HAY, MANURE, AND OTHER FARM AND GARDEN FORKS.
Claims use since Dec. 1, 1883.

Reg. No. 114,279. Registered Dec. 5, 1916. RANSOME CONCRETE MACHINERY COMPANY, New York, N. Y., and Dunellen, N. J. Republished by Ransome Machinery Company, Dunellen, N. J., a corporation of New Jersey.

RANSOME

The representation of the name-plate is disclaimed.
FOR CONCRETE MACHINES.
Claims use since January 1895.

Reg. No. 149,084. Registered Dec. 6, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

MAXI

FOR THREAD-CUTTING TAPS.
Claims use since July 31, 1917.

Reg. No. 149,933. Registered Dec. 27, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Little Giant

FOR SCREW CUTTING DIES, TAPS, TAPPING ATTACHMENTS, (DEVICES FOR ATTACHMENT TO MACHINES FOR RECEIVING AND OPERATING TAPS): DIBSTOCKS, TAP WRENCHES, SCREW PLATES, ETC.
Claims use since 1876.

Reg. No. 152,432. Registered Feb. 28, 1922. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Republished by registrant.

DEERING

FOR GRAIN BINDERS, RICE BINDERS, TRACTOR BINDERS, REAPERS, HEADERS, HEADER BINDERS, MOWERS, HAY RAKES, SWEEP RAKES, SIDE DELIVERY RAKES, TEDDERS, HAY LOADERS, HAY PRESSES, STACKERS, ETC.
Claims use since about 1874.

Reg. No. 152,433. Registered Feb. 28, 1922. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Republished by registrant.

McCORMICK

FOR GRAIN BINDERS, RICE BINDERS, TRACTOR BINDERS, REAPERS, HEADERS, HEADER BINDERS, MOWERS, HAY RAKES, SWEEP RAKES, SIDE DELIVERY RAKES, TEDDERS, HAY LOADERS, HAY PRESSES ETC.
Claims use since about 1848.

Reg. No. 166,033. Registered Mar. 27, 1923. MOWACK TOOL & MACHINE MANUFACTURING CORPORATION, Boston, Mass. Republished by Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts.

Reamrite

FOR REAMERS.
Claims use since Dec. 7, 1921.

Reg. No. 166,717. Registered Apr. 10, 1923. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

WORTHINGTON

FOR PUMPING MACHINERY, PUMPS, ETC.
Claims use since 1845.

Reg. No. 166,810. Registered Apr. 17, 1923. THE CHANDLER & PRICE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Craftsman

FOR PRINTING PRESSES AND PARTS THEREOF.
Claims use since Dec. 10, 1921.

Reg. No. 173,207. Registered Sept. 18, 1923. ACE HARDWARE MANUFACTURING CORPORATION, Philadelphia, Pa. Republished by Ace Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania.



FOR KNIFE AND EDGE-TOOL SHARPENING MACHINES.
Claims use since Aug. 10, 1922.

Reg. No. 179,631. Registered Feb. 12, 1924. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Republished by registrant.

McCORMICK-DEERING

FOR GRAIN BINDERS, RICE BINDERS, TRACTOR BINDERS, REAPERS, HEADERS, HEADER BINDERS, MOWERS, HAY RAKES, SWEEP RAKES, SIDE-DELIVERY RAKES, TEDDERS, ETC.
Claims use since Apr. 1, 1922.

Reg. No. 181,017. Registered Mar. 11, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM FACTORY MACHINERY AND APPLIANCES COMPRISING MILK VATS, PASTEURIZERS, MILK HEATERS, ETC.
Claims use since May 1, 1908.

Reg. No. 181,018. Registered Mar. 11, 1924. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY MACHINERY AND APPLIANCES COMPRISING MILK VATS, PASTEURIZED MILK, HEATERS, MILK HOLDERS, MILK COOLERS, ETC.
Claims use since about May 1, 1908.

Reg. No. 181,918. Registered Apr. 1, 1924. JAMES F. MACDONALD, doing business as Jas. F. Macdonald Company, San Francisco, Calif. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

BRUME

FOR RAKES.
Claims use since July 10, 1922.

Reg. No. 183,853. Registered May 6, 1924. LEACH COMPANY, Oshkosh, Wis., a corporation of Wisconsin. Republished by registrant.



FOR CONCRETE MIXERS, PAVING MIXERS, PORTABLE SAW RIGS, PORTABLE POWER PUMPS, AND BACK FILLERS.
Claims use since 1914.

Reg. No. 184,460. Registered May 27, 1924. E. C. ATKINS AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.



FOR SAWS, SAW SWAGES, SAW-FITTING TOOLS, MACHINE KNIVES, CIRCULAR KNIVES, GRASS HOOKS, DITCH-BANK CUTTERS, SAW HANDLES, SCRAPERS, SAW VISES, PLASTERING TROWELS, CORN KNIVES, CANE KNIVES AND BEET-TOPPING KNIVES.

Claims use since about June 1884 on saws; and since prior to November 1903 on the remaining articles.

Reg. No. 185,954. Registered July 1, 1924. STAR MANUFACTURING COMPANY, Carpentersville, Ill. Republished by Illinois Iron & Bolt Co., Carpentersville, Ill., a corporation of Illinois.



The words "Superior Quality" are disclaimed.
FOR PLOW AND LISTER SHARES, AND STOCK PARTS OR SHAPES THEREFOR.
Claims use since Apr. 23, 1923.

Reg. No. 185,955. Registered July 1, 1924. SKELTON SHOVEL COMPANY, INC., Dunkirk, N. Y. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.



FOR SHOVELS AND SPADES.
Claims use since July 28, 1923.

Reg. No. 185,969. Registered July 1, 1924. SKELTON SHOVEL COMPANY, INC., Dunkirk, N. Y. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.



FOR SHOVELS AND SPADES.
Claims use since June 28, 1923.

Reg. No. 186,814. Registered July 22, 1924. WALTER KIDDE & COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant, present location Belleville, N. J.

LUX

FOR FIRE EXTINGUISHING APPARATUS BY WHICH CARBONIC-ACID GAS OR OTHER FIRE EXTINGUISHING GAS IS DISCHARGED.
Claims use since about Apr. 1, 1923.

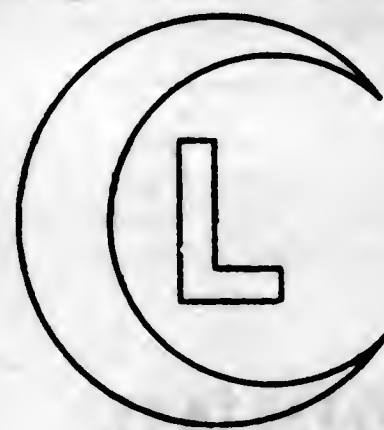
Reg. No. 187,136. Registered July 29, 1924. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind., and Oneida, N. Y. Republished by Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana.



FOR SHAFT SUPPORTS, SHAFT HANGERS, BEARINGS, ETC.
Claims use since July 15, 1903.

Reg. No. 188,962. Registered Sept. 9, 1924. THE AMERICAN FORK AND HOE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

GT LANE



The name "G. T. Lane" is disclaimed.
FOR HOES AND AGRICULTURAL HAND IMPLEMENTS FOR HOEING, DIGGING AND CULTIVATING.
Claims use since 1910.

Reg. No. 227,637. Registered May 10, 1927. HARNISCHFEGGER CORPORATION, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The words "Quality" and "Service" are disclaimed. The lining in the drawing indicates the color red.
FOR ELECTRIC TRAVELING CRANES, ELECTRIC HOISTS, GANTRY CRANES, HAND TRAVELING CRANES, CHAIN BLOCK TROLLEYS, GRAB-BUCKET HOISTS AND MONORAIL SYSTEMS, ETC.
Claims use since Jan. 1, 1913.

Reg. No. 261,958. Registered Sept. 24, 1929. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.



FOR AIR AND GAS PUMPS AND COMPRESSORS.
Claims use since November 1928.

Reg. No. 271,724. Registered June 17, 1930. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

MULTI-V-DRIVE

The words "Multi" and "Drive" are disclaimed.
FOR POWER-TRANSMISSION MACHINERY.
Claims use since September 1929.

Reg. No. 297,730. Registered Sept. 27, 1932. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

WORTHINGTON

FOR ROCK DRILLS, ROCK HAMMERS, SINKERS, DRIFTERS, ETC.
Claims use since September 1930.

Reg. No. 298,408. Registered Oct. 25, 1932. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.



FOR ROCK DRILLS, ROCK HAMMERS, SINKERS, DRIFTERS, ETC.
Claims use since September 1930.

Reg. No. 298,822. Registered Nov. 8, 1932. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

WORTHINGTON

FOR ROCK DRILLS, ROCK HAMMERS, SINKERS, DRIFTERS, ETC.
Claims use since September 1930.

Reg. No. 403,470. Registered Sept. 28, 1943. WORTHINGTON PUMP AND MACHINERY CORPORATION, Harrison, N. J., a corporation of Delaware. Republished by registrant.

Q-D

FOR SHEAVES AND PULLEYS.
Claims use since December 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 153,081. Registered Mar. 7, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

WORTHINGTON

FOR LIQUID METERS; PISTON METERS; DISK METERS; TURBINE METERS; WEIGHT METERS; FLOW METERS, BOILER FEED METERS, AND DISK COUNTERS.

Claims use since 1885.

Reg. No. 154,368. Registered Apr. 11, 1922. PRATT & WHITNEY COMPANY, New York, N. Y. Republished by Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey.

TRILOCK

FOR DIMENSION GAUGES AND ATTACHMENTS THEREFOR.
Claims use since Aug. 20, 1921.

Reg. No. 174,107. Registered Oct. 2, 1923. PRATT & WHITNEY COMPANY, New York, N. Y. Republished by Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey.

TRUS - FORM

FOR CALIPER GAUGES, SUCH AS SNAP AND PIN GAUGES.
Claims use since May 13, 1922.

Reg. No. 183,204. Registered Apr. 22, 1924. THE CREAM-ERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM FACTORY APPLIANCES, COMPRISING MILK WEIGHERS, CREAM WEIGHERS, MILK TESTERS, CREAM TESTERS, AND BUTTER TESTERS.

Claims use since May 1, 1908.

Reg. No. 183,205. Registered Apr. 22, 1924. THE CREAM-ERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM FACTORY APPLIANCES, COMPRISING MILK WEIGHERS, CREAM WEIGHERS, MILK TESTERS, CREAM TESTERS, AND BUTTER TESTERS.

Claims use since May 1, 1908.

Reg. No. 228,429. Registered May 31, 1927. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Republished by registrant.



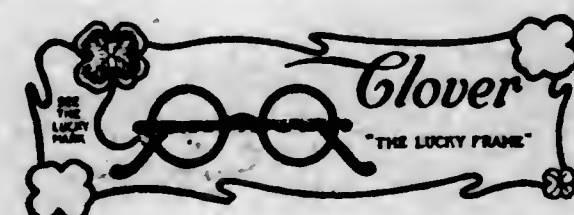
FOR SPECTACLE FRAMES.
Claims use since Jan. 18, 1927.

Reg. No. 228,430. Registered May 31, 1927. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

Clover

FOR SPECTACLE FRAMES.
Claims use since Jan. 18, 1927.

Reg. No. 230,098. Registered July 12, 1927. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Republished by registrant.



The representation of the spectacle frames and all words except "Lucky" and "Clover" are disclaimed.
FOR SPECTACLE FRAMES.
Claims use since Jan. 18, 1927.

Reg. No. 234,585. Registered Nov. 1, 1927. I. G. FARBEN-INDUSTRIE AKTIENGESELLSCHAFT, Frankfurt-on-the-Main and Berlin, Germany. Republished by General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware.

ISOLAR

FOR CAMERAS AND PARTS THEREFOR.
Claims use since May 29, 1926.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 151,542. Registered Feb. 7, 1922. M. A. MEAD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Boulevard

FOR WATCHES, WATCH MOVEMENTS, AND WATCHCASES.
Claims use since Oct. 15, 1920.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 178,780. Registered Jan. 29, 1924. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PIONEER

FOR BELT BUCKLES OF PRECIOUS OR IN PART PRECIOUS METAL.
Claims use since prior to 1914.

Reg. No. 183,384. Registered Apr. 29, 1924. THE WILSON FASTENER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

WILSNAP

FOR LINGERIE CLASPS.
Claims use since Nov. 10, 1923.
607 O. G.—5

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 186,350. Registered July 8, 1924. THE CREAM-ERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The lining is for shading purposes.
FOR DAIRY, CREAMERY, MILK-PLANT, ICE-CREAM-FACTORY, REFRIGERATING-PLANT, AND ICE-MAKING-PLANT MACHINERY AND EQUIPMENT, COMPRISING MILK FILTERS, STRAINERS, ICE-CREAM-MIX COOLERS, ICE-CREAM FREEZERS, REFRIGERANT COMPRESSORS AND PARTS THEREFOR, REFRIGERANT VALVES AND FITTINGS.
Claims use since about May 1, 1908.

Reg. No. 186,351. Registered July 8, 1924. THE CREAM-ERY PACKAGE MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR DAIRY, CREAMERY, MILK-PLANT, ICE-CREAM-FACTORY, REFRIGERATING-PLANT, AND ICE-MAKING-PLANT MACHINERY AND EQUIPMENT, COMPRISING MILK FILTERS, STRAINERS, ICE-CREAM-MIX COOLERS, ICE-CREAM FREEZERS, REFRIGERANT COMPRESSORS AND PARTS THEREFOR, REFRIGERANT VALVES AND FITTINGS.
Claims use since about May 1, 1908.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 162,472. Registered Dec. 19, 1922. O. D. BAKER COMPANY, Boston, Mass., and New York, N. Y. Republished by Holman-O. D. Baker Co. Inc., Boston, Mass., a corporation of Massachusetts.



WHAT THE WORLD RESTS ON

The words "What the World Rests on" are disclaimed. FOR MATTRESSES, BED SPRINGS, PILLOWS. Claims use since 1904.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 262,800. Registered Oct. 22, 1929. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

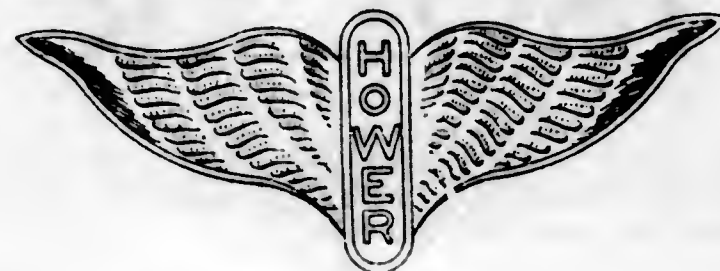


FOR STEAM CONDENSERS, STEAM-CONDENSING APPARATUS, STEAM ACCUMULATORS, AND FEED-WATER HEATERS. Claims use since November 1928.

CLASS 35

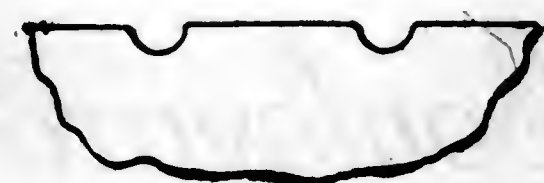
BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 179,039. Registered Feb. 5, 1924. HARRY C. HOWER, Chicago, Ill. Republished by Vogue Rubber Company, Chicago, Ill., a corporation of Illinois.



FOR PNEUMATIC TIRES AND TUBES. Claims use since Aug. 11, 1922.

Reg. No. 189,755. Registered Sept. 23, 1924. ARMSTRONG CORK COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant, present location Manheim Township, Lancaster County, Pa.



No claim is made to the representation of the packing. FOR GASKETS, WASHERS, AND PACKING OF CORK OR CORK COMPOSITION, AND FOR CORK OR CORK COMPOSITION IN THE SHEET ESPECIALLY ADAPTED FOR PACKING. Claims use since Dec. 24, 1923.

CLASS 37

PAPER AND STATIONERY

Reg. No. 159,309. Registered Sept. 26, 1922. CENTRAL PAPER COMPANY, Menasha, Wis., a corporation of Wisconsin. Republished by registrant.



FOR GUMMED PAPER. Claims use since July 1918.

Reg. No. 165,783. Registered Mar. 20, 1923. THE PARKER PEN COMPANY, Janesville, Wis., a corporation of Wisconsin. Republished by registrant.

PARKER

FOR FOUNTAIN PENS AND MECHANICAL PENCILS. Claims use on fountain pens since 1891; and on mechanical pencils since Nov. 11, 1921.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 157,464. Registered Aug. 8, 1922. AMBROS BOWYER, Chicago, Ill. Republished by registrant.

Motor Service

FOR PERIODICALS PUBLISHED MONTHLY. Claims use since on or about Sept. 1, 1921.

CLASS 39

CLOTHING

Reg. No. 103,891. Registered Apr. 20, 1915. ALFRED DECKER & COHN, Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.



FOR OVERCOATS. Claims use since May 1, 1913.

Reg. No. 151,287. Registered Jan. 24, 1922. THE ROBERT WISE COMPANY, Cincinnati, Ohio. Republished by The United States Shoe Corporation, Cincinnati, Ohio, a corporation of Ohio.

COBBIE

FOR SHOES MADE OF LEATHER, AND ALSO OF COMBINATIONS OF LEATHER AND FABRIC. Claims use since Feb. 20, 1921.

Reg. No. 175,733. Registered Nov. 13, 1923. EDWIN CRUTCHER, doing business as Golden Arrow Hosiery Mills, Nashville, Tenn. Republished by Edwin Crutcher, doing business as Golden Art Hosiery Company, Nashville, Tenn., a partnership.



FOR HOSIERY. Claims use since April 1922.

Reg. No. 174,425. Registered Oct. 16, 1923. MELLEN T. BIRD, doing business as M. T. Bird & Co., Boston, Mass. Republished by M. T. Bird & Co., Incorporated, Boston, Mass., a corporation of Massachusetts.



FOR CORRESPONDENCE PAPER, CORRESPONDENCE CARDS, ENVELOPES, AND BOXES FOR THE SOLE PURPOSE OF CONTAINING PAPER, ENVELOPES, AND CARDS, SOLD AS SUCH AND OFTEN CALLED PAPETERIE. Claims use since January 1889.

Reg. No. 184,246. Registered May 20, 1924. NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif. Republished by Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada.



FOR TOILET PAPER, PAPER TOWELS, PAPER-ROLL TOWELS, AND SERPENTINE (A NARROW RIBBON OF PAPER).

Claims use since June 1, 1916, on toilet paper; since Feb. 1, 1917, on paper towels; since Aug. 1, 1918, on paper roll towels; and since Nov. 1, 1919, on serpentine.

Reg. No. 191,306. Registered Nov. 4, 1924. THE PARKER PEN COMPANY, Janesville, Wis., a corporation of Wisconsin. Republished by registrant.

DUOFOLD

FOR PENS AND PENCILS. Claims use since Sept. 1, 1923.

Reg. No. 229,755. Registered July 5, 1927. KIMBERLY-CLARK COMPANY, Neenah, Wis. Republished by Kimberly-Clark Corporation, Neenah, Wis., a corporation of Delaware.

KIMPAK

FOR ABSORBENT WADDING MADE OF PAPER STOCK AND EMPLOYED PRINCIPALLY FOR PACKING FURNITURE AND OTHER ARTICLES. Claims use since Feb. 2, 1927.

Reg. No. 177,574. Registered Dec. 18, 1923. **THE DORMER BROTHERS COMPANY**, Cincinnati, Ohio. Republished by The Adler Company, Cincinnati, Ohio, a corporation of Ohio.

GOLDEN FLEECE



The words and abbreviations "Absolutely Clean Scoured—Extra Heels and Toes—Reg. U. S. Patent Office" are disclaimed.

FOR HOSIERY.

Claims use since July 31, 1923.

Reg. No. 182,054. Registered Apr. 1, 1924. **WEYENBERG SHOE MFG. CO.**, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

COMPLEX

FOR MEN'S, BOYS', YOUTHS' AND LITTLE GENTS' ALL-LEATHER SHOES, INCLUDING RUBBER-HEELED SHOES.

Claims use since Sept. 18, 1922.

Reg. No. 190,517. Registered Oct. 14, 1924. **CELLUCOTTON PRODUCTS COMPANY**, Neenah, Wis. Republished by International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.

FILLEX

FOR ABSORBENT PADS OR SHEETS FOR INFANTS' DIAPERS.

Claims use since June 2, 1924.

Reg. No. 231,422. Registered Aug. 16, 1927. **MASTERPIECE HOSIERY MILLS**, New York, N. Y. Republished by Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin.

Masterpiece



FOR HOSIERY; UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN; NEGLIGEEES, SWEATERS, BATHING SUITS, BLOOMERS, AND PYJAMAS.

Claims use since Feb. 23, 1926.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 175,097. Registered Oct. 30, 1923. **UNITED LACE & BRAID MFG. CO.**, Cranston, R. I. Republished by United Lace & Braid Company, Cranston, R. I., a corporation of Rhode Island.



FOR SHOE LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF LINEN, COTTON, SILK, OR WORSTED.

Claims use since Apr. 5, 1923.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 177,685. Registered Dec. 25, 1923. **JOHN FRIEDRICH**, Philadelphia, Pa. Republished by Blue Anchor Beverage Company, Philadelphia, Pa., a corporation of Pennsylvania.

Blue Anchor Inn

FOR GINGER ALE, SARSAPARILLA, AND ROOT BEER.

Claims use since Feb. 1, 1922.

Reg. No. 179,115. Registered Feb. 5, 1924. **JOHN FRIEDRICH**, Philadelphia, Pa. Republished by Blue Anchor Beverage Company, Philadelphia, Pa., a corporation of Pennsylvania.



The words "Sparkling" and "Extra Dry" are disclaimed.

FOR GINGER ALE, SARSAPARILLA, AND ROOT BEER.

Claims use since Feb. 1, 1922.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 45,182. Registered Aug. 8, 1905. **PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD.**, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

Pillsbury's

FOR FLOUR MADE FROM WHEAT.

Claims use since 1871.

Reg. No. 46,054. Registered Sept. 5, 1905. **STROMMEYER & METZEL**, Philadelphia, Pa. Republished by J. Strommeyer Company, Philadelphia, Pa., a corporation of Pennsylvania.

PENN MAR

FOR TABLE-SYRUP MADE FROM SUGAR-CANE.

Claims use since Sept. 15, 1903.

Reg. No. 98,393. Registered July 14, 1914. **INDERRIEDEN CANNING COMPANY**, Chicago, Ill. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

Angler

FOR CANNED VEGETABLES.

Claims use since Jan. 6, 1914.

Reg. No. 113,025. Registered Oct. 10, 1916. **DARLING & COMPANY**, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR PREPARED STOCK AND POULTRY FOODS.

Claims use since Dec. 17, 1913.

Reg. No. 147,672. Registered Oct. 25, 1921. **THE PROCTER AND GAMBLE COMPANY**, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

FLAKEWHITE

FOR COOKING FATS.

Claims use since April 1896.

Reg. No. 147,681. Registered Oct. 25, 1921. **SCHOENING-KOENIGSMARK MILLING CO.**, Valmeyer, Ill. Republished by Chelsea Milling Company, Chelsea, Mich., a corporation of Michigan.

JEFFY

FOR SELF-RISING WHEAT FLOUR.

Claims use since July 1916.

Reg. No. 147,810. Registered Nov. 1, 1921. **THE PROCTER AND GAMBLE COMPANY**, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Fritina

FOR COOKING FATS.

Claims use since Feb. 9, 1921.

Reg. No. 148,218. Registered Nov. 8, 1921. **THE PROCTER & GAMBLE COMPANY**, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

MOONSTAR
EDIBLE
COCOANUT OIL

The words "Edible Coconut Oil" are disclaimed.

FOR EDIBLE COCOANUT OIL.

Claims use since Jan. 11, 1921.

Reg. No. 151,816. Registered Feb. 14, 1922. **INDERRIEDEN CANNING CO.**, Chicago, Ill. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

MEADOW LARK



FOR CANNED VEGETABLES.
Claims use since Dec. 21, 1911.

Reg. No. 175,394. Registered Nov. 6, 1923. **BILOXI PACKING & TRADING CO.**, Biloxi, Miss. Republished by The Anticich Canning and Packing Company, Inc., Biloxi, Miss., a corporation of Louisiana.

American Beauty



FOR CANNED SHRIMP AND CANNED OYSTERS.
Claims use since Jan. 1, 1893.

Reg. No. 176,617. Registered Nov. 27, 1923. **THE SOUTHWESTERN MILLING COMPANY INC.**, New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.



The words "Harina Superior, Kansas City, U. S. A." are disclaimed. The drawing is lined for the color blue.
FOR WHEAT FLOUR.
Claims use since October 1914.

Reg. No. 178,627. Registered Jan. 15, 1924. **BILOXI PACKING & TRADING CO.**, Biloxi, Miss. Republished by The Anticich Canning and Packing Company, Inc., Biloxi, Miss., a corporation of Louisiana.

American Beauty

FOR CANNED SHRIMP AND CANNED OYSTERS.
Claims use since Jan. 1, 1893.

Reg. No. 178,993. Registered Feb. 5, 1924. **ALTON L. MILLER**, doing business as Charles N. Miller Co., Boston, Mass. Republished by Charles N. Miller Co., Boston, Mass., a corporation of Massachusetts.



FOR CANDIES.
Claims use since December 1919.

Reg. No. 182,084. Registered Apr. 1, 1924. **GOLDEN NUGGET SWEETS**, San Francisco, Calif. Republished by Golden Nugget Sweets Ltd., San Francisco, Calif., a limited partnership of California.



The words "Golden Nugget" and "Sweets" are disclaimed.
FOR FUDGE.
Claims use since Sept. 1, 1920.

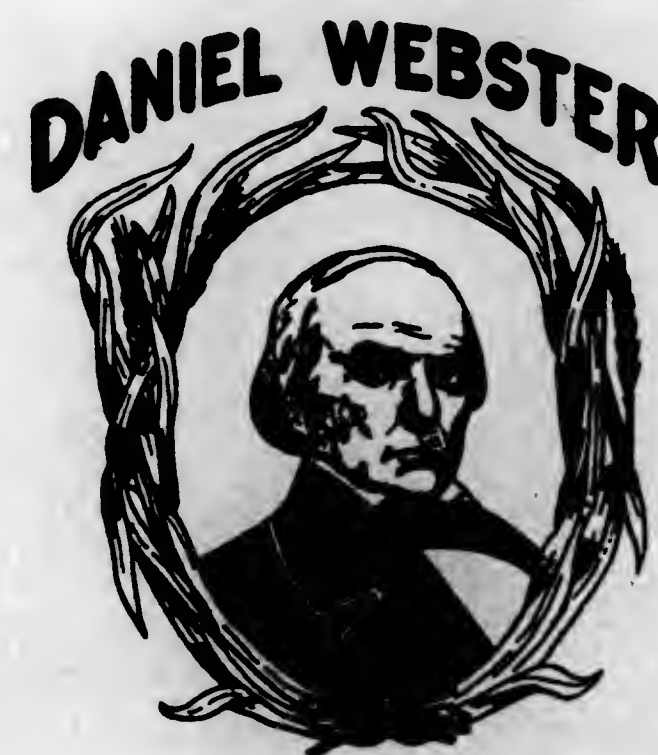
Reg. No. 223,720. Registered Feb. 8, 1927. **THE SOUTHWESTERN MILLING COMPANY, INC.**, New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.



LA ROSITA

FOR WHEAT FLOUR.
Claims use since Mar. 13, 1926.

Reg. No. 225,824. Registered Mar. 29, 1927. **EAGLE ROLLER MILL CO.**, New Ulm, Minn., a corporation of Minnesota. Republished by registrant.



FOR FLOUR MADE FROM WHEAT.
Claims use since Aug. 28, 1923.

Reg. No. 226,230. Registered Apr. 5, 1927. **CANNON VALLEY MILLING COMPANY**, Minneapolis, Minn. Republished by Cannon Valley Milling Co., Minneapolis, Minn., a corporation of Minnesota.



MARITIME

FOR WHEAT FLOUR.
Claims use since Dec. 17, 1924.

Reg. No. 227,575. Registered May 10, 1927. **E. CLEMENS HORST CO.**, San Francisco, Calif., a corporation of New Jersey. Republished by registrant.

ROSE

FOR MALT SYRUP FOR FOOD PURPOSES.
Claims use since Apr. 1, 1919.

Reg. No. 229,361. Registered June 28, 1927. **DAVID MICHAEL & CO.**, Philadelphia, Pa. Republished by David Michael and Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania.

MIXEVAN

FOR A FLAVORING FOR FOOD PRODUCTS.
Claims use since Nov. 4, 1926.

CLASS 47
WINES

Reg. No. 52,766. Registered May 15, 1906. **AMERICAN WINE CO.**, St. Louis, Mo. Republished by American Wine Company, St. Louis, Mo., a corporation of Delaware.



FOR CHAMPAGNE OR SPARKLING WINE.
Claims use since about January 1887.

Reg. No. 157,062. Registered Aug. 22, 1922. **GOLD SEAL**
PRODUCTS COMPANY, INC., Urbana, N. Y. Republished
by Urbana Wine Company, Inc., Hammondsport, N. Y.

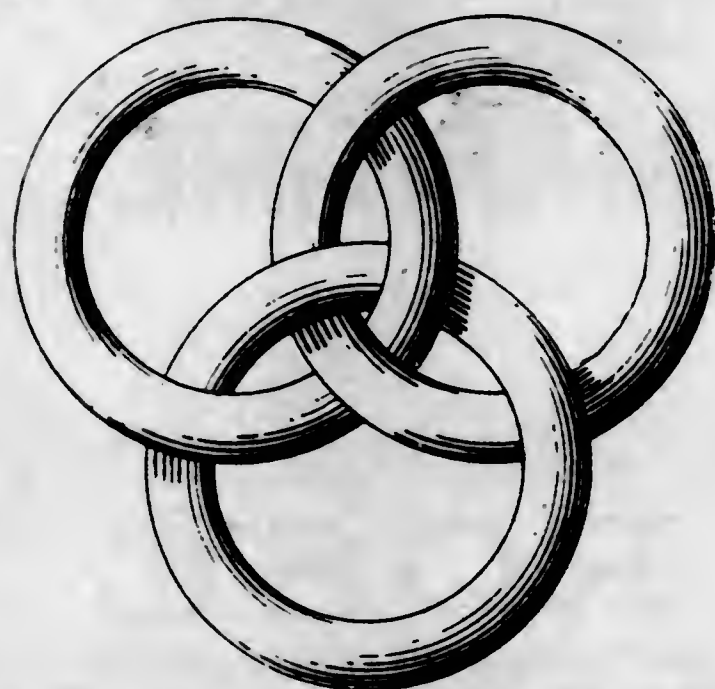
GOLD SEAL.

FOR CHAMPAGNES AND WINES.
Claims use since Jan. 1, 1882.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 79,462. Registered Sept. 13, 1910. P. BALLAN-
TINE & SONS, Newark, N. J., a corporation of New Jersey.
Republished by registrant.



FOR ALE, BEER, PORTER, STOUT, MALT SYRUP
AND MALT EXTRACTS.
Claims use since about 1880.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 113,673. Registered Oct. 31, 1916. BEMIS BRO.
BAG COMPANY, St. Louis, Mo., a corporation of Missouri.
Republished by registrant.

FLEXOTIS

FOR COATED FABRICS.
Claims use since Apr. 15, 1916.

Reg. No. 183,702. Registered May 6, 1924. WALTER R.
SCHINDLER, Los Angeles, Calif. Republished by Hot
Kap Manufacturing Company, Los Angeles, Calif., a
partnership.

HOTKAPS

FOR SEED AND PLANT PROTECTORS.
Claims use since about January 1921.

REISSUES

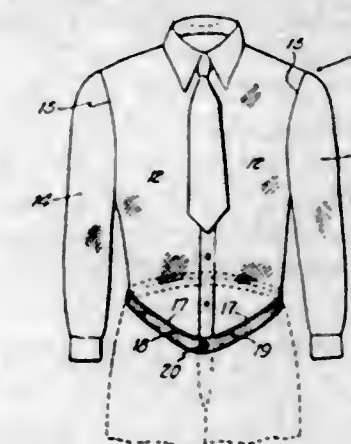
FEBRUARY 3, 1948

22,969

STAY-DOWN SHIRT

Sam Katz, New York, N. Y.
Original No. 2,418,774, dated April 8, 1947, Serial
No. 562,776, November 10, 1944. Application
for reissue September 25, 1947, Serial No.
776,112

2 Claims. (Cl. 2—115)



1. A stay-down shirt comprising a form-fitting
body portion having a rear section, and front sec-

tions placed side by side and secured each along
one vertical edge to the rear section, means to
secure the front sections detachably together, the
lower edges of said front sections being arranged
to terminate adjacent the waist line of an in-
tended wearer, said shirt being cut on the rear
section to provide a substantially inverted flat-
tened V-shaped lower rear edge beginning at a
point at the middle of the rear section and ex-
tending to the sides of the rear sections and a
more inclined lower edge on each front section
to form a substantially V-shaped lower edge at
front and rear when the front sections are se-
cured together, the said edges on the front sec-
tion extending below the natural abdominal bulge
of the wearer, and a belt comprising elastic mate-
rial attached to the lower edges of the front and
rear sections over the whole length thereof, said
belt of elastic material being stretchable in the
direction of its length and serving to hold the
lower edges of the body portion about the body
of a wearer with the inclined front edges of the
front sections disposed beneath the natural level
of the stomach of the wearer's abdomen.

PLANT PATENTS

GRANTED FEBRUARY 3, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print
a cut of the drawing.

783

ROSE PLANT

Jasper E. Crane, Wilmington, Del., assignor to
Edith C. Bosley, Mentor, Ohio
Application March 6, 1947, Serial No. 732,782
1 Claim. (Cl. 47—61)

The new and improved variety of hybrid tea

rose plant, substantially as herein shown and de-
scribed and essentially like its parent, Charles K.
Douglas, except that it is characterized as to nov-
elty by a flower of much darker color and more
velvety sheen that intensifies its lustre.

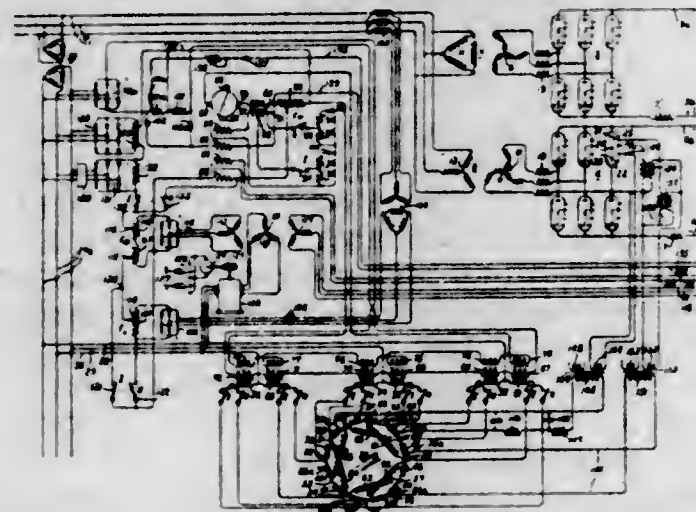
PATENTS

GRANTED FEBRUARY 3, 1948

2,435,187

ELECTRONIC CONVERTER

Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 12, 1944, Serial No. 539,942
17 Claims. (Cl. 175-363)

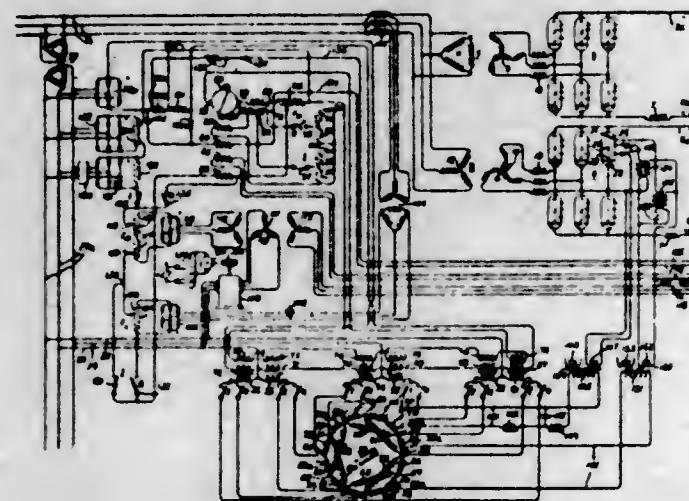


1. In an electronic conversion system, an alternating current circuit, a direct current circuit, electronic conversion apparatus interconnecting said circuits and comprising a plurality of electric discharge devices, each discharge device including an anode, a cathode and a control electrode for determining the instant of conduction between each anode and cathode, phase shifting means for shifting the phase of each control electrode from a predetermined phase relation with respect to its associated anode to a different predetermined phase relation for controlling the power transfer between said circuits, means including a pair of variable impedances for controlling said phase shifting means, and means comprising a single variable source of voltage for effecting an inverse change in the respective impedances of said pair of impedances for causing operation of said phase shifting means throughout its operating range with a single variable current.

2,435,188

PHASE CONTROL SYSTEM

Burnice D. Bedford, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 12, 1944, Serial No. 539,942. Divided and this application March 5, 1946, Serial No. 652,167
7 Claims. (Cl. 172-238)



1. In combination, a first electric circuit comprising a plurality of phase conductors, a second

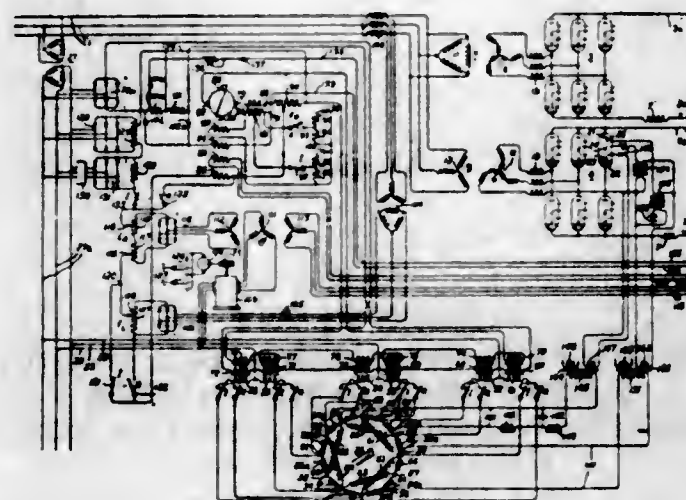
74

electric circuit comprising a plurality of phase conductors, means associated with one of said circuits for providing two terminals having a difference of potential therebetween, means comprising at least two impedances connected between said terminals, means including a single source of voltage variable in magnitude and associated with said two impedances for producing therefrom a voltage variable in magnitude, and means for introducing said variable voltage between the phase conductors of said first circuit and the phase conductors of said second circuit for producing a change in the phase relation between the voltages of said first and second circuits.

2,435,189

PHASE CONVERTING SYSTEM

Burnice D. Bedford, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 12, 1944, Serial No. 539,942. Divided and this application March 5, 1946, Serial No. 652,168
4 Claims. (Cl. 172-238)



1. In combination, a polyphase supply circuit comprising a plurality of phase conductors, an output circuit comprising phase conductors, an inductive coupling for interconnecting said supply circuit and said output circuit and comprising a plurality of windings connected to form a polygon, a plurality of other inductive windings inductively related to and interconnecting certain of said first mentioned windings for substantially fixing the voltages of said polygon in rigid polyphase relation, means including a plurality of pairs of variable impedance devices having end terminals and an intermediate junction terminal for each pair, said junction terminals being connected to different phase conductors of one of said circuits, means for connecting the end terminals of each pair of impedance devices to different pairs of spaced points on said polygon of windings, means for connecting the phase conductors of the other of said circuits to said polygon of windings, and means comprising a single source of variable voltage for inversely changing the impedance values of the respective impedances of each pair of impedances for changing the phase relation between the voltages of said supply circuit and said output circuit.

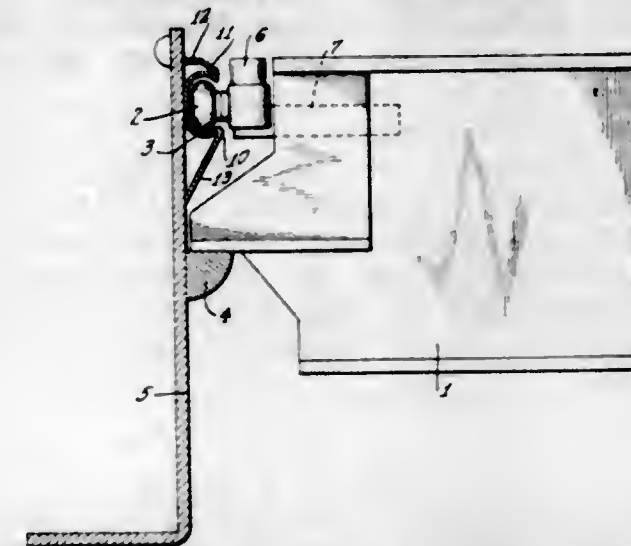
FEBRUARY 3, 1948

U. S. PATENT OFFICE

75

ROLLING HATCH BEAM TRACK

John G. Deegan, New York, N. Y.
Application December 28, 1944, Serial No. 570,196
7 Claims. (Cl. 114-201)

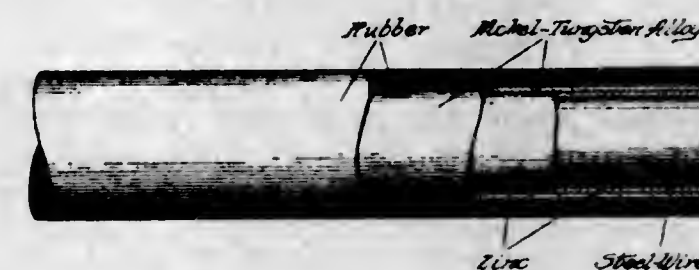


5. A hatch coaming track for supporting rolling hatch beams comprising a generally C-shaped web portion having a concave tread surface conforming substantially to the outline of the track wheel, upper and lower members, extending from the upper and lower edges of the web portion and connected along their outer edges with the adjacent coaming, the part of the upper portion adjacent the coaming being substantially flat and lying in the plane of the top surface of the hatch beam when it is in resting position, said track being free of projections beyond the tread portion in the direction of the hatch opening.

2,435,191

RUBBER COATED STEEL OBJECT

Orville E. Adler, Niles, Mich., assignor to National-Standard Company, a corporation of Michigan
Application November 6, 1943, Serial No. 509,204
5 Claims. (Cl. 29-195)



1. A rubber coated article comprising a ferrous base having firmly adherent to a surface thereof an electrolytically deposited layer of a rubber adherent alloy of 4% to 12% by weight of tungsten and a metal of the class consisting of nickel, cobalt and iron, and a coating of rubber adherently vulcanized thereon.

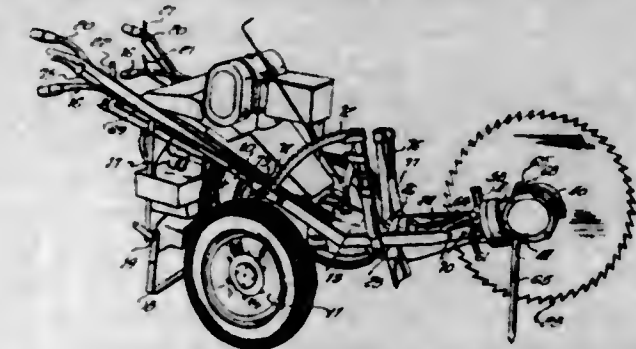
2,435,192

TWO-WHEELED TYPE LOG- AND TREE-CUTTING POWER SAW

George Arsneau, Dallas, Tex.
Application May 15, 1946, Serial No. 669,798
6 Claims. (Cl. 143-43)

1. A power saw, comprising a power unit; a pair of ground wheels supporting said power unit for tilting vertically thereon; a pair of handles secured at opposite sides of the unit and extending rearwardly thereof; a pair of auxiliary handles disposed in vertically spaced parallel relation with respect to the first pair; means carried by each pair of handles for controlling the said power unit; a torque tube vertically pivotally mounted on the power unit forwardly of the said

wheels; a shaft journaled in said tube and driven by the power unit through a universal joint; a

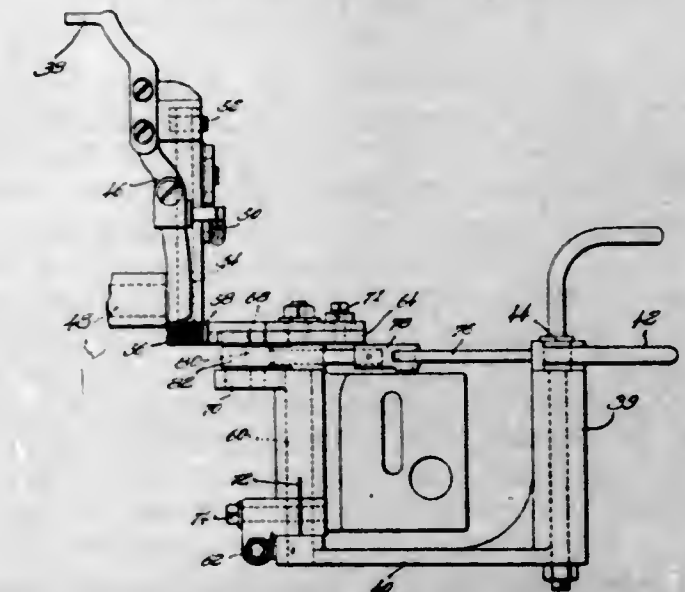


saw driven by the said shaft; and means for maintaining the torque tube in adjusted vertically pivoted position.

2,435,193

WORK GUIDING MEANS FOR SHOE SEWING MACHINES

Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 12, 1945, Serial No. 615,725
12 Claims. (Cl. 112-51)

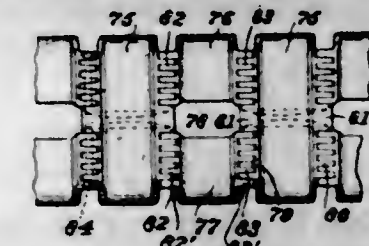


1. An outsole shoe sewing machine having a work support, a needle, an edge gage, and a manually operable arm mounted for limited movement to move the edge gage during sewing operations to either of two positions determined by the limits of arm movement, in combination with means actuable during sewing operations to shift the edge gage to a third position.

2,435,194

TANK TRACK

William J. Bigley, Jr., New York, N. Y.
Application November 1, 1944, Serial No. 561,441
8 Claims. (Cl. 305-10)



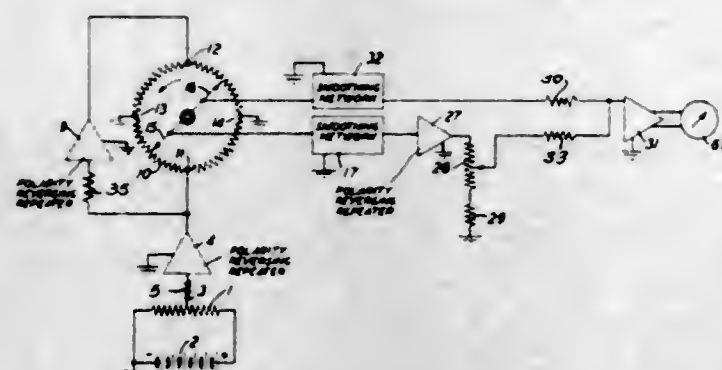
1. A tank or tractor track comprising a series of sections having transversely spaced apertured bosses on their end edges, the sections being assembled with the bosses on each section intermeshing with those on the adjacent sections and with the apertures in each set of intermeshing bosses in alignment, the outermost boss of each set having an inner aperture of the same diameter as the apertures in the adjacent bosses, a coaxial, enlarged bore communicating with said aperture and with the outer face of the boss and

an internal recess of still larger diameter in the wall of the bore between its ends, a pin extending through the aligned apertures, said bore having an inner wall constituting an outwardly presented face which is rigid against movement with respect to said bosses in a direction axially of said pin, an abutment disc in the inner end of the bore, and an expansible spring element confined in said recess in abutting relation to the disc to prevent endwise removal of the disc and the pin, said spring element serving to retain said disc with its inner surface in engagement with said outwardly presented face of said bore.

2,435,195

DATA SMOOTHING NETWORK

David C. Bomberger, Plainfield, Clarence A. Lovell, Summit, Henry G. Och, West Englewood, N. J., and Karl D. Swartzel, Murray Hill, and Bruce T. Weber, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1942, Serial No. 447,852
9 Claims. (Cl. 235—61.5)



1. In a system for computing the predicted value of a natural phenomenon, a source of voltage, means for varying the voltage from said source in accordance with the present changes in said phenomenon, a first electrical network associated with said voltage varying means for smoothing said varying voltage and having a time constant producing a time delay between the input and the output voltages of said first network, a second electrical network associated with said voltage varying means for smoothing said varying voltage and having a time constant larger than the period of the random variations in said voltage and including means for differentiating with respect to time said smoothed voltage, an electrical device controlled by said differentiated voltage for producing an output current varying proportionally to said differentiated voltage, a third electrical network for deriving from said output current a voltage proportional to the sum of the predicted change in said phenomenon and the time delay in said first network and means for adding said derived voltage to the output voltage of said first network.

2,435,196

CRACKING OF HYDROCARBONS WITH A BERYLLIUM PHOSPHATE CATALYST

George R. Bond, Jr., Paulsboro, N. J., and George Alexander Mills, Ridley Park, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 2, 1946, Serial No. 651,628
5 Claims. (Cl. 196—52)

1. The process which comprises cracking a hydrocarbon oil heavier than gasoline by subjecting the same to contact under catalytic cracking conditions with a beryllium phosphate.

**2,435,197
LANDING AND LAUNCHING APPARATUS FOR AIRCRAFT**

James H. Brodie, New Orleans, La.
Application October 4, 1944, Serial No. 557,211
30 Claims. (Cl. 244—110)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus of the class described comprising an elevated runway cable, a pair of guys connected to and supporting at least one end of said cable, a three-way connecting member by which said cable and guys are connected with the guys diverging from each other, a pair of masts spaced on either side of the projected line of said cable and carrying guide sheaves for said diverging guys whereby said masts can be erected and said guys thereafter tightened from the ground to support the end of the cable in elevated position without obstructing the flight path of an airplane approaching or leaving the cable, means movable along said cable for suspending an airplane therefrom, means mounted on said connecting member for moving an airplane vertically between said suspending means and the ground, and means supported by the cable and guys for lifting a man to said suspending means.

2,435,198

COATED WELDING ELECTRODE

Frank E. Browne, Upper Darby, Pa.
No Drawing. Application January 5, 1945, Serial No. 571,490
9 Claims. (Cl. 219—8)

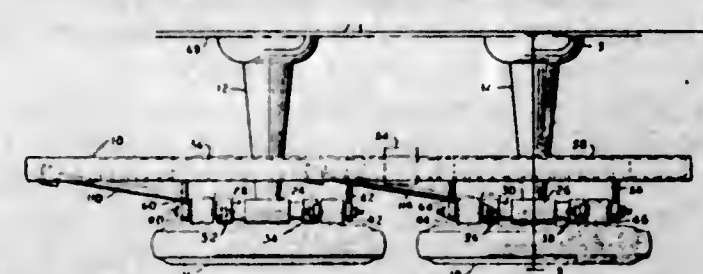
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A welding-electrode coating comprising in dry mix about the following parts by weight: a soluble alkali silicate 3, alkaline earth carbonate 4, cryolite 6, cerium ore 1, fluorspar 3, carbon 1, and at least one of the class comprising ferro-silicon, ferro-manganese, ferro-chromium, ferro-molybdenum, and manganese 2.

2,435,199

RESILIENT TORSION ROD SUSPENSION FOR TANDEM AXLE VEHICLES

Lawrence E. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application April 13, 1944, Serial No. 530,936
19 Claims. (Cl. 280—104.5)



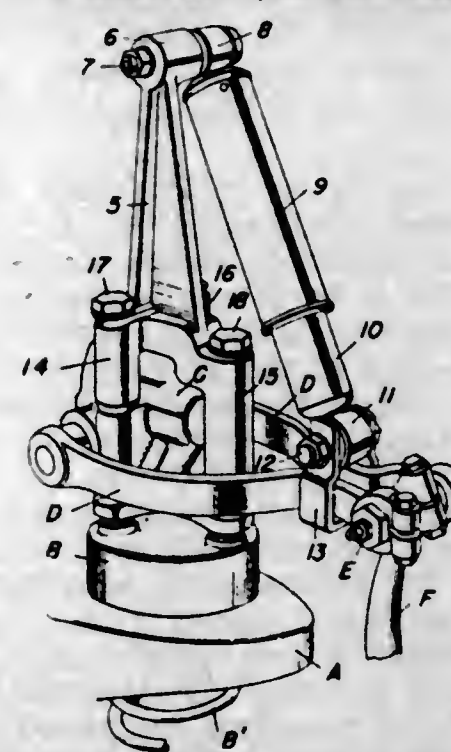
1. Suspension means for a vehicle having a load supporting platform and a pair of tandem axles disposed transversely of and below said platform comprising members, one for each end

of each axle, rotatably secured to said platform transversely of said axles and provided each with a pair of spaced apart lever arms extending beyond the adjacent side of said platform; a pair of spaced apart bracket members carried by each axle end, means pivotally connecting corresponding pairs of lever arms and bracket members along axes extending substantially parallel to the longitudinal medial line of said platform; torsionally resilient means operatively connected with said platform carried members to resist rotation thereof; and means operatively connected with said platform carried members for transferring rotation of said members in a reversed direction from one to the other on the same side of said vehicle.

2,435,200

SHOCK ABSORBER

Robert A. Clay, San Antonio, Tex.
Application August 9, 1946, Serial No. 689,578
6 Claims. (Cl. 188—88)

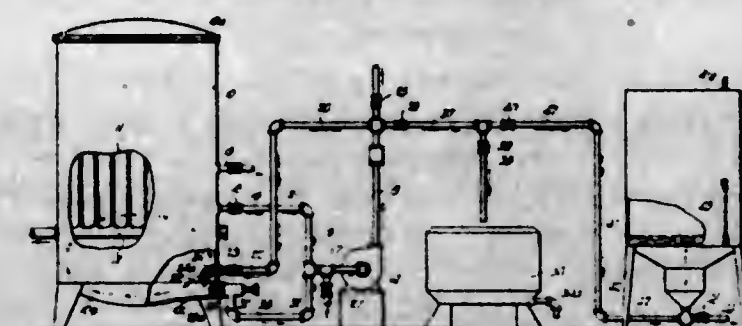


6. A dual shock absorber structure comprising a main shock absorber having a hydraulic cylinder and a pivoted arm connected therewith, said shock absorber having openings through which extend fixed studs, a bracket having a base provided with openings registering with the openings in said shock absorber, barrel nuts extending through the openings in said base and engaging said studs to secure said bracket in position on said main shock absorber, and an auxiliary extension-type shock absorber connected at one end to the free end of said bracket and at the other end to said arm, adjacent the end thereof.

2,435,201

WET CLEANOUT SYSTEM FOR FILTERS

Noel L. Cooperider, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application March 24, 1945, Serial No. 584,524
4 Claims. (Cl. 210—177)



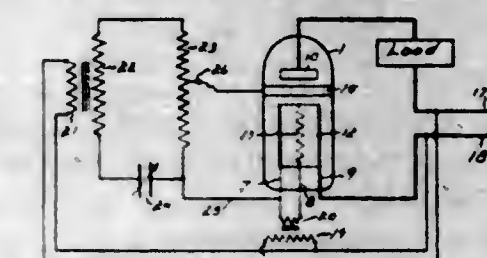
1. A wet cleanout system for filters used in the clarification of dry cleaners solvent comprising a

jet positioned within and adjacent the bottom of the filter for introducing a flushing liquid to agitate the accumulated muck, an outlet tube connected horizontally into the filter adjacent its bottom for withdrawing the suspended muck, a rotatable stem extending longitudinally of the tube, a pusher plate mounted on the stem covering the inner end of the tube and adapted to remove accumulated muck from said outlet opening with rotation of the stem.

2,435,202

ELECTRONIC TUBE AND CONTROL THEREFOR

Palmer H. Craig, Gainesville, Fla., assignor to Invex Corporation, New York, N. Y., a corporation of New York
Application May 20, 1942, Serial No. 443,717
3 Claims. (Cl. 315—268)



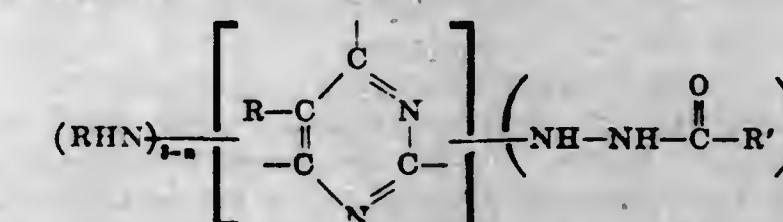
1. The method of controlling the current amperage in an electric circuit, which includes: connecting in the circuit the anode and thermoemissive cathode of a rectifier gaseous discharge electronic tube comprising a gas filled envelope in which the anode and cathode are spaced apart and a control electrode in the form of a band surrounding the envelope in a zone between the anode and cathode; impressing on the anode and cathode alternating potential sufficient to cause the tube to pass current; energizing the control electrode with alternating potential at the frequency of the impressed potential, and negative with respect to the cathode when the anode is positive with respect to the cathode; and causing current in the circuit to first decrease and then increase by continuously increasing the energization of the control electrode from a value at which current flows in the circuit to a value at which it is cut off and on through a range of values beyond the cut off value.

2,435,203

ACYLHYDRAZINO AMINO DERIVATIVES

Gaetano F. D'Alelle and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application August 26, 1942, Serial No. 456,262
18 Claims. (Cl. 260—251)

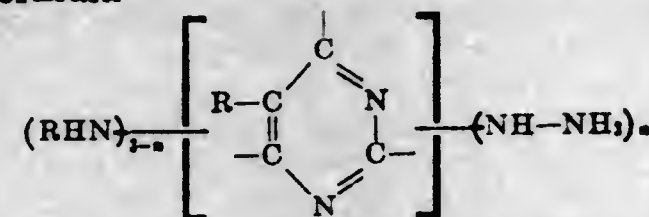
1. Chemical compounds corresponding to the general formula



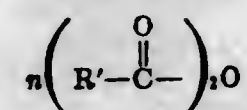
where n represents an integer and is at least 1 and more than 3, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and R' represents a member of the class consisting of monovalent aliphatic hydrocarbon radicals and monovalent aromatic and nuclearly halogenated aromatic hydrogen radicals.

13. The method of preparing new pyrimidine derivatives which comprises effecting reaction be-

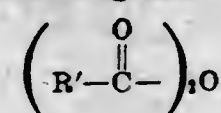
tween (1) a compound corresponding to the general formula



where n represents an integer and is at least 1 and not more than 3, and R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halohydrocarbon radicals, and (2) a compound corresponding to the general formula



where n has the meaning above given and



represents an anhydride of a carboxylic acid of the lower aliphatic, aromatic and nuclearly halogenated aromatic series.

2,435,204 HERBICIDES

John H. Davidson, United States Navy, South Haven, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application September 13, 1943, Serial No. 502,163

1 Claim. (Cl. 167-45)

A method for killing trees and shrubs which includes applying to the base of the plant at soil level an herbicide composition comprising as the principal effective ingredient ethylene bromide.

2,435,205 NONFOAMING COMPOSITIONS AND METHODS OF MAKING SAME

Garland H. B. Davis, Hillside, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1943, Serial No. 516,188

16 Claims. (Cl. 252-318)

1. A composition of matter consisting essentially of a metal sulfonate of a petroleum sulfonic acid and from .001-10% by weight of a fluoro-organic compound chosen from the group consisting of aliphatic and cyclo aliphatic fluoro-organic compounds, having from 5-50 carbon atoms to the molecule and containing 60-80% fluorine, 20-37% carbon and 0-3% hydrogen.

2,435,206 NONFOAMING COMPOSITIONS

Garland H. B. Davis, Hillside, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 31, 1943, Serial No. 516,547

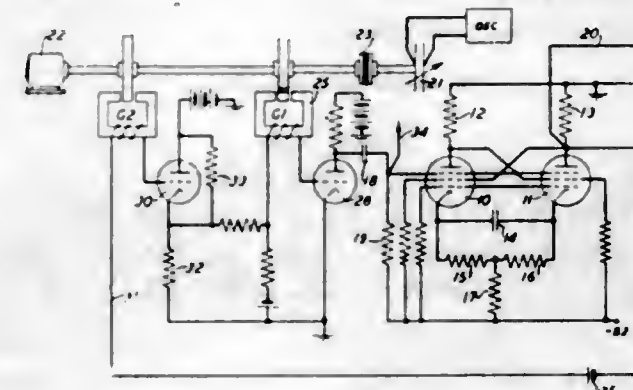
2 Claims. (Cl. 252-58)

1. A composition of matter consisting essentially of a mineral lubricating oil containing metallo-organic additives which tend to cause excessive foaming of said oil upon heating and/or working, and .0001 to 10% by weight of a substantially oil-insoluble anti-foaming agent selected from the highly fluorinated aliphatic hydrocarbons having

5 to 50 carbon atoms and composed of 60 to 80% fluorine by weight, 20 to 37% carbon, and 0 to 3% hydrogen.

2,435,207 PHASE SYNCHRONIZED PULSED TRIGGER CIRCUIT

Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1945, Serial No. 619,175
6 Claims. (Cl. 250-27)



1. In combination, a rectangular wave generator comprising a vacuum tube trigger circuit having two conditions of stable equilibrium and arranged to switch from one stable condition to the other in response to the application of a voltage pulse, a source of pulses recurrent at intervals corresponding to the polarity changes of the rectangular wave, circuit means for applying the pulses from said source to the trigger circuit, and phase synchronizing means comprising a second source of pulses timed to recur in alternate intervals between the pulses from said first source, a circuit for applying pulses from said second source to operate the trigger circuit, and means controlled by the rectangular wave output of the trigger circuit for blocking the transmission of pulses from said second source during alternate half periods of the rectangular wave.

2,435,208 PROCESS FOR TREATING FATTY MATERIALS

William R. Eipper, Philadelphia, Pa.
No Drawing. Application January 3, 1946, Serial No. 638,922

10 Claims. (Cl. 260-405.6)

1. The process of isomerizing a natural fat containing glyceryl esters of oleic acid comprising dispersing said fat in a fat solvent which is inert to nitrous acid in the presence of said fat and then contacting said dispersion of fat with nitrous acid at a temperature within the range of 10° C. to 40° C. and in the presence of at least one water miscible liquid chosen from the group consisting of acetone, diacetone and diacetone alcohol, which is inert to the fat but capable of inhibiting disintegration of the acid at the temperature of the reaction.

2,435,209 METHOD OF MAKING FLEXIBLE VENEER LAMINATE

Armin Elmendorf, Winnetka, Ill., assignor to The Flexwood Company, a corporation of Illinois
No Drawing. Application August 23, 1944, Serial No. 550,867

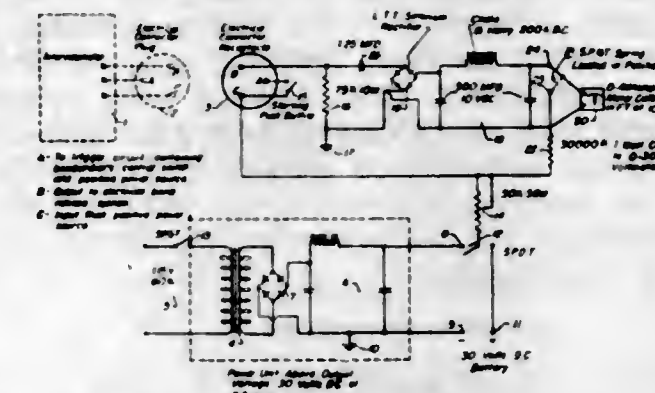
1 Claim. (Cl. 154-132)

The method of making a flexible, composite, wood-faced sheet of material applicable as a

wall finish, and having a polished, hardened, compressed outer wood surface, which comprises simultaneously bonding a single sheet of thin wood veneer having a moisture content approximating or exceeding the fibre saturation point, to a flexible backing, and drying the veneer and hardening and compressing the veneer, by subjecting the assembly to heat and pressure adequate to compress the veneer from 15% to 45% less than its normal air-dry thickness, while maintaining the exposed face of the wood veneer in contact with a smooth, polished plate effective to prevent the escape of steam through the face of the veneer, and employing the moisture of the veneer to plasticize the face of the veneer and to impart a hardness substantially greater than the hardness of the kiln dried wood.

2,435,210 INTERVALOMETER CALIBRATION CHECKER

Joseph A. Fahrner, United States Navy
Application October 16, 1945, Serial No. 622,666
1 Claim. (Cl. 175-368)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



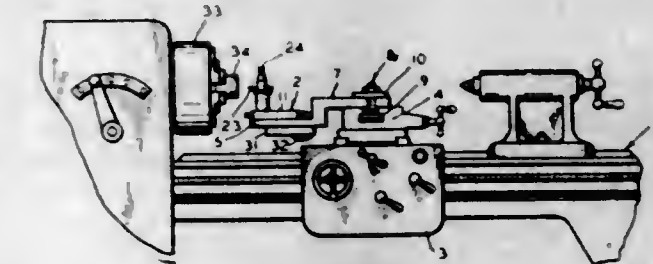
An apparatus for checking an intervalometer, comprising: a direct current source having a positive and a negative terminal; an electrical connector receptacle having a first, a second and a third prong; a variable resistor connecting said positive terminal and said first prong; a switch interposed between said variable resistor and said positive terminal; a switch connecting said first and said second prongs; a discharge resistor connecting said third prong and said negative terminal; a filter circuit; a selenium rectifier bridge connected across said filter and across said discharge resistor; a capacitor interposed between said rectifier and the positive side of said discharge resistor; a milliammeter connected across the output of said filter; a single-pole double-throw switch interposed between the positive side of said filter and said milliammeter; and a multiplier resistance connecting the remaining terminal of said double-throw switch and the variable resistance.

2,435,211 DRILLING FLUID COMPOSITION

James M. Gillet, Evanston, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application August 6, 1945, Serial No. 609,331
4 Claims. (Cl. 252-8.5)

1. A well drilling fluid suitable for use in wells having a ground temperature of the order of 160° F. and comprising an aqueous suspension of a colloidal clay and a sufficient amount of finely divided ferrophosphorus to give the drilling fluid a density of 10 to 26 lbs. per gallon, the ferrophosphorus having a 22 to 26% phosphorus content, and a particle size smaller than 200 meshes per inch and less than 2% by weight of the particles smaller than 3 microns in diameter.

2,435,212
TOOLHOLDER
John F. Golden, Lynn, and Harold J. Smith, Everett, Mass.
Application May 3, 1945, Serial No. 591,767
1 Claim. (Cl. 82-12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

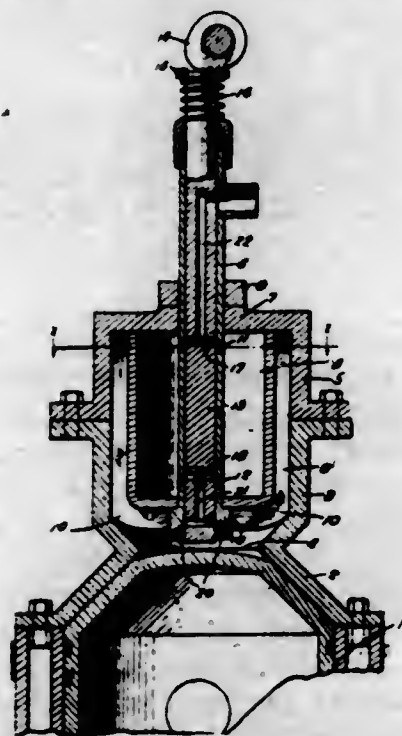


A tool holding attachment of the type described comprising, a supporting plate, a support at the rear edge of and integral with said supporting plate, said support extending upwardly from said supporting plate and including a rearwardly extending horizontal arm, said arm providing means by which said attachment may be supported, a swinging block adapted to be carried on the upper surface of said supporting plate, said swinging block having a T-shape guideway formed in its lower surface and extending longitudinally thereof, a vertically disposed pivot pin, said pivot pin adapted to be rotatably mounted through and substantially at the center of said supporting plate, a T-shape guide formed on the upper end of said pivot pin and adapted to be disposed in said T-shape guideway in said swinging block, a screw extending longitudinally of said T-shape guideway, said screw threaded through said T-shape guide and rotatably mounted in the end of said swinging block, means for rotating said screw, said rotation imparting radial movement to said swinging block with respect to said pivot pin, a tool post mounted vertically at the outer end of said swinging block, said post having a vertical slot therein, a sleeve about the outside of said post, a screw threaded in the top permitting the insertion and clamping of a cutting tool in said vertical slot against said sleeve, a gear located at the lower end of said pivot pin and keyed to said pivot pin, a shaft extending transversely of said supporting plate, a worm located on said shaft, said worm meshing with said gear, and a handwheel to turn said shaft causing said swinging block to be rotated about said pivot pin.

2,435,213
PREHEATED FUEL INJECTION DEVICE FOR INTERNAL-COMBUSTION ENGINES
Robert H. Hancock, Miami, Fla.
Application September 23, 1944, Serial No. 555,552
6 Claims. (Cl. 123-32)

1. In an internal combustion engine of the type wherein ignition is spontaneously effected in an atmosphere of highly compressed air, a charge forming device comprising means forming a liquid fuel chamber having a capacity to hold a sufficient body of liquid fuel for a plurality of charges, and normally full of liquid fuel, having a liquid fuel inlet at the top and a liquid fuel outlet at the bottom, means about said liquid fuel chamber forming an air compression chamber having a mouth communicating with the compression space within the engine cylinder, said liquid fuel outlet opening at the mouth, said compressed air chamber being of larger capacity than the clearance space within the engine cylinder when the engine piston is at the compression end of its stroke, at least the lower part of said fuel body

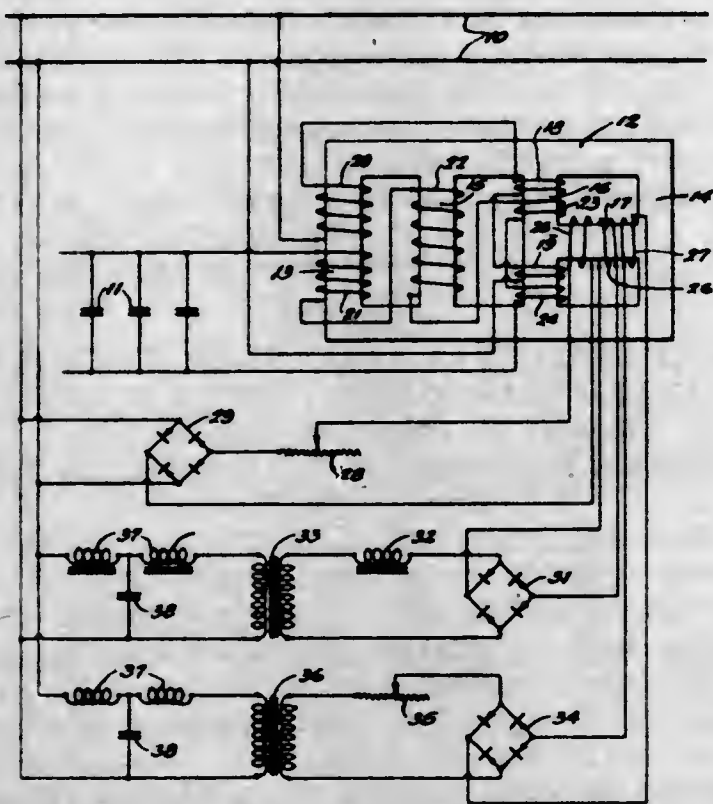
in said liquid fuel chamber being maintained at a temperature above the vaporizing point of the least volatile constituent of said liquid fuel by the heat of the compressed air in said compressed air chamber and heat of the explosion transmitted through the walls of said liquid fuel chamber, means for maintaining the liquid fuel body in said liquid fuel chamber under sufficiently high



pressure to prevent evaporation within said liquid fuel chamber, said means being constructed to simultaneously admit a charge into said liquid fuel inlet against the pressure maintained in said chamber and release an equal charge from said liquid fuel outlet, whereby the charge upon release expands instantly into a dry gas at the mouth of said compressed air chamber.

2,435,214

POWER FACTOR REGULATING APPARATUS
Eugene H. Haug, Glencoe, Ill., assignor to La Salle National Bank, Chicago, Ill., as trustee
Application August 26, 1944, Serial No. 551,338
2 Claims. (Cl. 172-246)



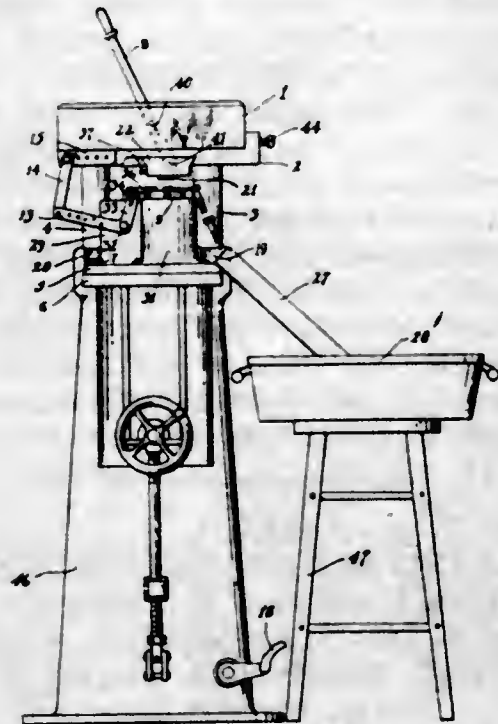
1. In combination with a power factor regulating apparatus, an alternating current supply, a saturating controlled transformer having three saturating windings, a number of primary windings serially connected, a number of secondary windings serially connected, a load taking a leading current, and three saturating control circuits, said load being connected to the output circuit of

said secondary windings, said three saturating windings being so wound that one has a fixed polarity, the second having an additive polarity relation to the first, while the third has a subtractive polarity relation to the first, the first of said saturating windings which has a fixed polarity being connected to one of said saturating control circuits which consists of a bridge type rectifier with a variable resistor connected to the output circuit of said rectifier, the second of said saturating windings which has an additive polarity being connected to one of said control circuits which consists of a T type resonant circuit for transforming constant potential to constant current, a current transformer in the output circuit of said resonant circuit, a variable resistor in series circuit relation in the output circuit of said current transformer, and a bridge type rectifier, the third of said saturating windings which has a subtractive polarity being connected to one of said saturating control circuits which consists of a T type resonant circuit for transforming constant potential to constant current, a current transformer in the output circuit of said resonant circuit, a variable resistor in series circuit relation in the output circuit of said current transformer, and a bridge type rectifier, the input side of said three control circuits being connected to the same supply as that feeding said saturating current transformer, and having said resonant circuits and said variable resistors and non-linear reactor of an impedance which will control the amount of leading current from said supply by said saturating transformer proportional to the voltage of said supply.

2,435,215

RECIPROCATING WORK CARRIER FOR MARKING MACHINES

Herbert P. Hintz, Moline, Ill., and William L. Klepac, Davenport, Iowa
Application December 29, 1944, Serial No. 570,426
1 Claim. (Cl. 101-4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



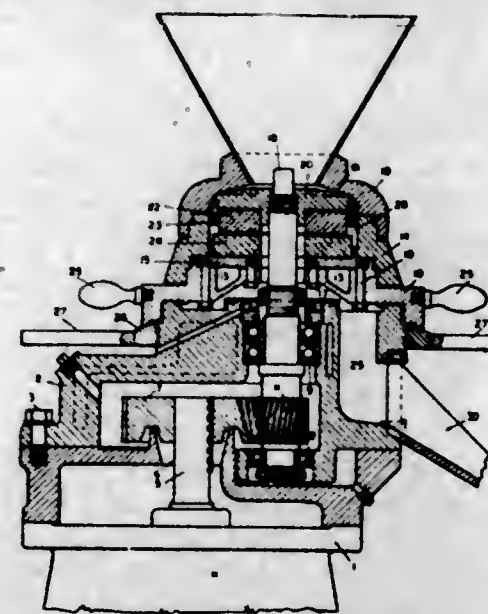
A symboling machine comprising a fixed upright base having an upward, overhanging portion including a stamping die, a carrier portion mounted on the base below the die and arranged for vertical motion to and from the die, a disc member having peripheral notches mounted on the carrier portion for rotation about a vertical axis, means on the carrier providing a guideway extending generally tangentially to the disc member, a slider in the guideway carrying a spring-

biased pawl engageable with the said notches for step-by-step rotation of the disc member, a bell-crank medially pivoted on the said means, and with one distal end engaging the slider and the other articulated to the said overhanging portion of the base whereby the pawl is reciprocated horizontally on cyclic vertical motion of the carrier portion, a guide member positioned to urge work pieces into snug engagement with the notches in the region of the die, resilient means extending within the outer periphery of the disc, yieldable to pawl-urged motion of the disc but rigidly retaining the disc against reverse motion, and a cam positioned on the carrier centrally of the disc and extending to the peripheral region of the notches for removal of the work pieces.

2,435,216

APPARATUS FOR MIXING

Maximilian P. Hofmann, Bay Village, Ohio, assignor to The C. O. Bartlett and Snow Company, Cleveland, Ohio, a corporation of Ohio
Application April 17, 1943, Serial No. 483,415
14 Claims. (Cl. 259-7)



1. In apparatus of the character described, the combination of a rotor member having a disc-like projection thereon having opposed faces and a stator embracing said rotor in close proximity to the opposite faces of said disc-like portion, said assembly provided with an inlet centrally of the first face of said disc-like projection and an outlet centrally of the second face of said disc-like projection, a plurality of impeller means carried by the said first face and so arranged as to provide therebetween a plurality of radially extending passages and to thus constitute a centrifugal pump in the space between said first face and adjacent stator parts, and said second face and adjacent stator parts comprising complementary conform surfaces and arranged in such closely spaced relation as to constitute a treating stage for the material caused to flow therethrough under the influence of said centrifugal pump.

2,435,217

FIREARM AND STOCK STRUCTURE THEREFOR

Cleves H. Howell, Jr., Estes Park, Colo.
Application May 2, 1945, Serial No. 591,599
7 Claims. (Cl. 42-72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A rifle having a stock formed of a forward and a rear section, said sections being detachably connected in end to end relationship behind and adjacent the rifle receiver, said rear section including a shank having an integral depending pistol grip at the rear end thereof forming a stock

607 O. G.-6

butt, said forward section adjacent its rear end having a depending integral pistol grip, and means for receiving and detachably mounting the rear stock section on the underside of and inter-

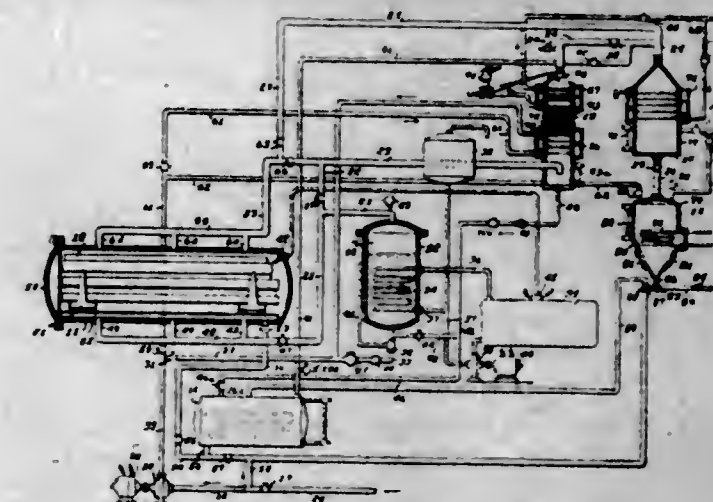


mediate of the ends of the forward stock section whereby said pistol grips are spaced relative to each other longitudinally of the forward stock section.

2,435,218

APPARATUS AND METHOD FOR DRYING WOOD

Monie S. Hudson, Spartanburg, S. C.
Application February 26, 1945, Serial No. 579,851
25 Claims. (Cl. 34-32)



13. A method of drying and preserving wood and wood products which comprises placing the same in a chamber, continuously introducing into said chamber an atmosphere of a drying medium having a boiling point above the boiling point of water, continuously removing water vapors evolved from the wood and wood products and the drying medium in vapor phase from said chamber, condensing at least a substantial part of the drying medium, pre-heating the condensate of the drying medium by passing the same in heat exchange relation to the vapors of the drying medium being condensed, returning the preheated condensate to the drying medium supply, condensing any remaining drying medium vapor for recovery, and condensing the water vapor and discharging the condensate thereof to waste.

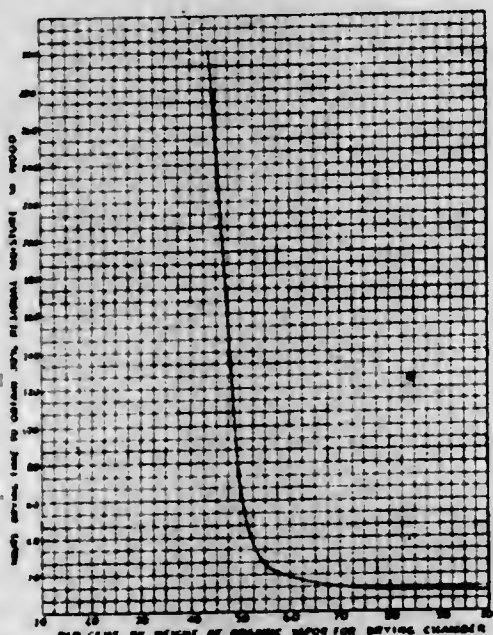
2,435,219

ART OF DEHYDRATING AND IMPREGNATING WOOD

Monie S. Hudson, Spartanburg, S. C.
Application September 17, 1947, Serial No. 774,639
7 Claims. (Cl. 117-57)

6. A rapid, high temperature method of dehydrating wood in a closed space, which is characterized by commercial drying of the wood in a matter of hours instead of days, comprising subjecting the wood to a highly heated vapor composition containing not substantially less than about 65% by weight of an inert organic vapor but less than a saturated atmosphere of said vapor, and an appreciable amount of water vapor not in excess of about 35% by weight, said organic vapor containing a toxic preservative compound, and being of a type suitable for permeating the wood and replacing the water in said wood and having no adverse effects on the wood, and said vapor composition being

heated to and maintained during drying at a high temperature substantially above the vaporization temperature of the moisture in the wood so that the moisture is flashed off as vapor, progressively displacing the liberated moisture

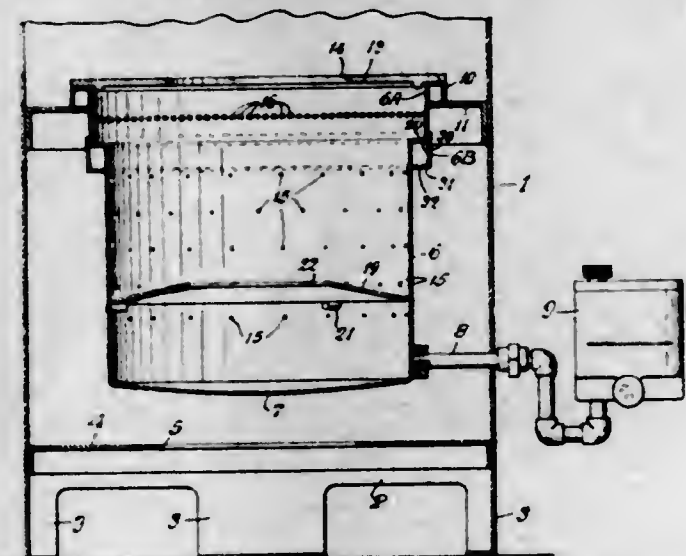


vapor so that the water vapor content of said drying vapor composition does not substantially exceed 35% by weight at any time during the drying treatment, and continuing this treatment until the desired degree of dryness of the wood is obtained.

2,435,220

BURNER POT AND AIR SUPPLY MEANS THEREFOR

Milton D. Huston, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware Original application June 26, 1942, Serial No. 448,539. Divided and this application January 15, 1944, Serial No. 518,320
7 Claims. (Cl. 158—91)

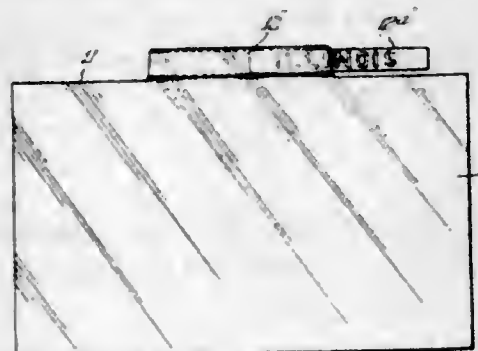


1. In a pot type burner, a burner pot open at one end, having two circumferential generally cylindrical side wall parts of different diameters, the part of larger diameter being nearer to the open end of the pot than the part of smaller diameter and an additional wall part connecting them, means for supplying a liquid fuel to the interior of the pot, the pot wall part of smaller diameter having therein a plurality of primary air inlet apertures circumferentially spaced thereabout and located at various distances from the open end of the pot, the pot wall part of greater diameter having therein a plurality of secondary air inlet apertures, the wall part of the pot between the two above mentioned cylindrical wall parts having therein a plurality of air inlet apertures adapted to deliver air in general parallelism with the axis of the pot and closely along the inner face of the pot wall part of larger diameter.

2,435,221

INDEX GUIDE

Charles E. Jones, Chicago, Ill., assignor to Rockwell-Barnes Company, Chicago, Ill., a corporation of Illinois
Application February 5, 1945, Serial No. 576,347
3 Claims. (Cl. 129—16.8)



3. An index guide comprising a generally rectangular sheet of material of a single thickness, said sheet of material being formed from a single flat extruded plastic strip, said sheet having an integral portion along one edge thereof which is relatively thicker than the body of the sheet, said thick portion having opposed exterior surfaces integrally joined with the adjacent surfaces of the body of the sheet and being characterized by an internal recess of relatively wide thin cross section which is adapted to receive endwise therein an index label of generally conforming cross section, said thick portion having a part thereof cut away to provide at a predetermined location along the edge of the guide a holder for receiving a label.

2,435,222

MARKING INK

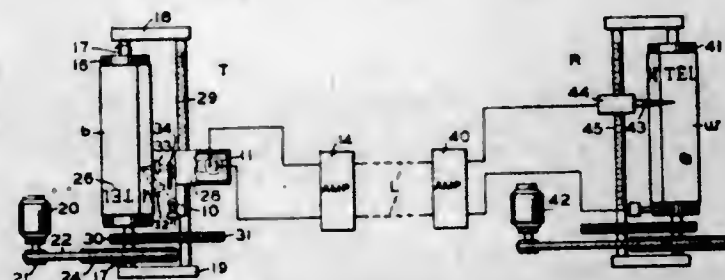
Bernard L. Kline, Manhasset, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
No Drawing. Application January 21, 1942, Serial No. 427,562
1 Claim. (Cl. 106—22)

A fluid marking ink consisting substantially entirely of glyceryl mono-ricinoleate and a dye dissolved in said partial ester.

2,435,223

MEANS FOR PRODUCING FACSIMILE TELEGRAPH SIGNALS

Bernard L. Kline, Manhasset, and Robert W. Harris, Garden City, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 26, 1944, Serial No. 523,966
1 Claim. (Cl. 178—7.1)



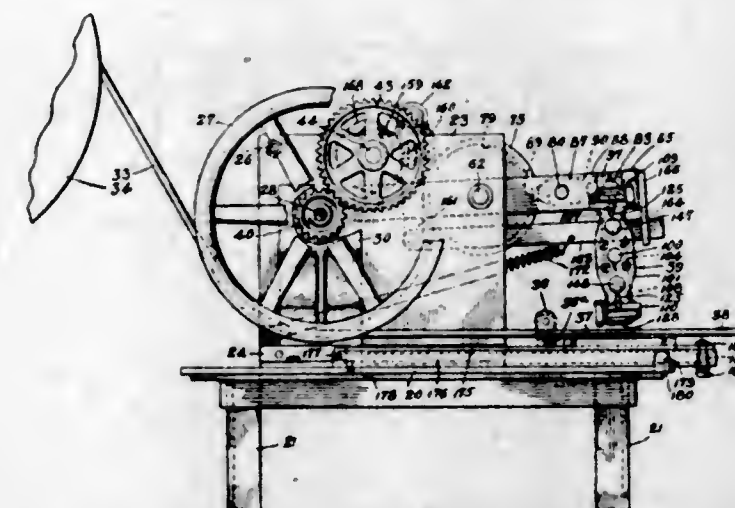
In a facsimile transmission system for deriving signals from a subject matter blank, a source of scanning light rays having high energy in the visible spectral region adjoining the infrared part of the spectrum and also in the infrared region, a photocell having high sensitivity to visible and invisible light in the region above approximately 650 millimicrons, a subject matter blank interposed between said light source and photocell and characterized in that the unmarked areas of the blank have low spectral absorption properties in the infrared region, the marked areas of the blank being delineated by a marking substance in solution having high spectral absorption properties to visible light in the region above approximately 650 millimicrons thereby to cause the photocell to distinguish sharply between the marked and unmarked areas on the blank notwithstanding the high energy of the infrared rays incident thereon from both areas.

the infrared region, the marked areas of the blank being delineated by a marking substance in solution having high spectral absorption properties to visible light in the region above approximately 650 millimicrons thereby to cause the photocell to distinguish sharply between the marked and unmarked areas on the blank notwithstanding the high energy of the infrared rays incident thereon from both areas.

2,435,224

DECALCOMANIA APPLYING MACHINE

Jesse D. Klopfenstein and Harry C. Rathke, Chicago, Ill., assignors to The Meyersord Company, Chicago, Ill., a corporation of Illinois
Application June 18, 1945, Serial No. 600,100
27 Claims. (Cl. 41—1)



27. A machine for applying decalcomanias to a moving article comprising a movable carrier having an absorbent member adapted to be moistened and to closely engage and support a sheet of decalcomanias, means for supporting said absorbent member and retaining means adapted to engage and hold the sheet of decalcomanias in close engagement with said moistened member, the said decalcomanias being arranged on said carrier in a direction across the path of movement of said article and the said carrier also being adapted to be moved across the path of movement of the article, means for moving said carrier into initial position in transferring engagement with said moving article, one of said decalcomanias being in aligned position on the carrier for engagement with the article, means for moving and maintaining said carrier in constant transferring engagement with said moving article during the transfer period, means for moving said carrier out of engagement with said article in advanced position, means for returning said carrier for movement to initial position, and means for moving said carrier in a direction across the path of movement of said moving article when the carrier is out of article-engaging position whereby another decalcomania may be brought into aligned operable position for engagement with an article.

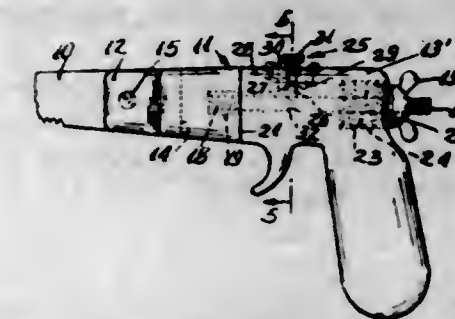
2,435,225

ANGULARLY ADJUSTABLE HANDLE FOR HAND SAWS

Irving Kolodner, Brooklyn, and Joseph Munves, New York, N. Y.
Application March 30, 1944, Serial No. 528,684
1 Claim. (Cl. 145—111)

A universal hand saw having a saw blade formed with a handle of separate sections including a front section attached to said blade and from which a stud extends and upon which a back section is rotatively mounted, and means for holding said back section in selected turned

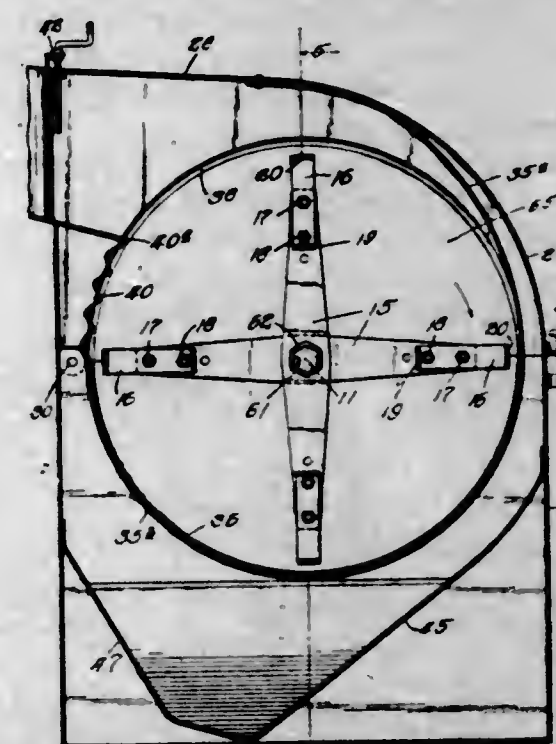
positions relative to said front section, comprising interengageable serrations between the adjacent faces of said sections for holding the back section against turning when engaged, a nut mounted on the end of said stud projected beyond the back of said back section, a spring mounted on said stud and operating between the adjacent faces of said nut and back section urging said back section towards said front section causing the serrations to engage each other, whereby the



2,435,226

DISINTEGRATOR HOUSING WITH DISH-SHAPED SIDES

Clarence W. Lanter, Du Page County, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application January 17, 1944, Serial No. 518,492
2 Claims. (Cl. 241—86)



1. In a disintegrator or hammer mill, a rotatable hammer blade, a disintegrator chamber defined by a housing about said blade, a unitary screen within said housing surrounding a major portion of the area of travel of the blade and concentric thereto for a part only of its length, said screen being so constructed and arranged that the screen has a greater radius of curvature at the beginning of the disintegrating zone but gradually diminishing until a constant radius is reached for approximately one-half the area of travel of said blade, an opening for introducing material to be ground into the chamber, an outlet opening for withdrawing ground material from a point near the bottom of the chamber, an

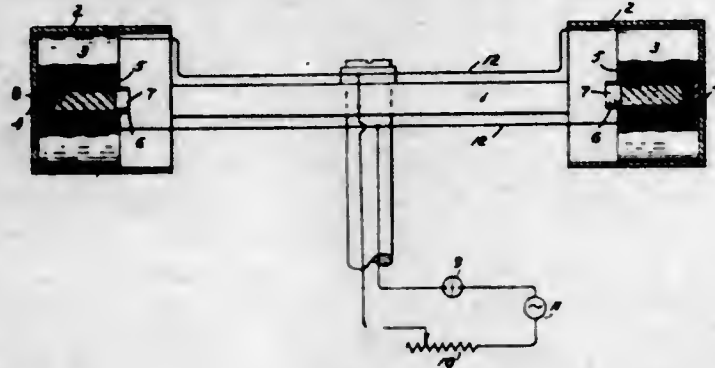
imperforate cantboard sloping toward the plane of the outlet opening, and said disintegrator housing having dish-shaped sides with the concave surfaces thereof being toward said hammer blade.

2,435,227

METHOD AND APPARATUS FOR PRODUCING ARTICLES FROM POWDERED MATERIALS

Horace H. Lester, Cambridge, Mass., assignor to the United States of America, as represented by the Secretary of War

Application August 25, 1942, Serial No. 456,027
9 Claims. (Cl. 75-22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

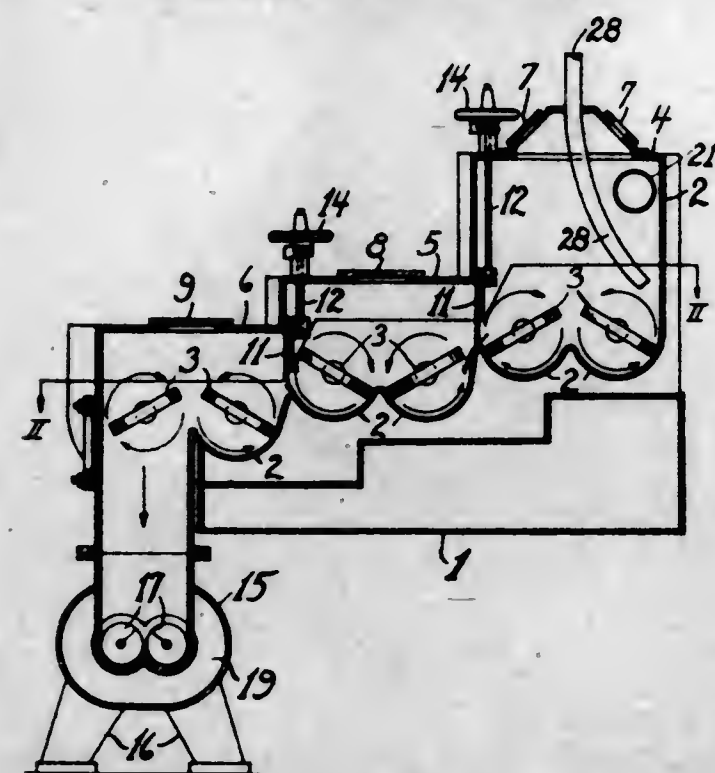


1. The method of producing an article from powdered materials which comprises placing the powdered material in a mold, vibrating said material and simultaneously with said vibrating action rotating said material about an axis normal to the direction in which the material is being vibrated to compact the material in the mold and thereafter sintering the compacted material to form an article of a coherent solid mass having a shape corresponding to that of the mold.

2,435,228

POLYMERIZATION APPARATUS

Matthew D. Mann, Jr., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application December 7, 1940, Serial No. 368,967
7 Claims. (Cl. 23-285)



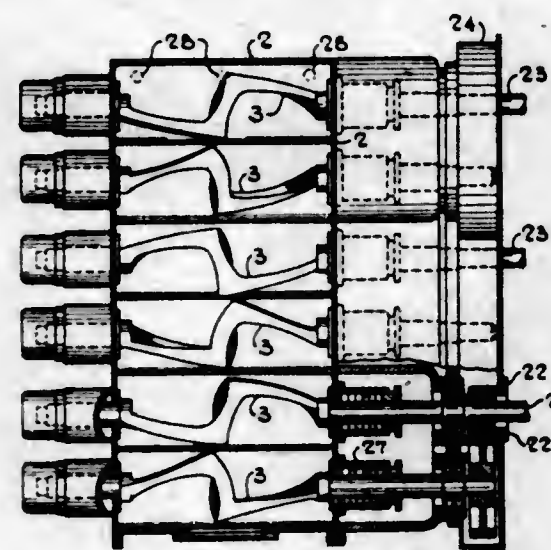
1. Apparatus for producing solid polymers comprising a closed chamber having an inclined bottom, vertically movable imperforate gates constructed and arranged to divide said chamber into a plurality of compartments having variable areas of communication therebetween adjacent the inclined bottom, a pair of kneader blades in each compartment adjacent the inclined bottom,

inlet conduits communication with that compartment having the highest portion of the inclined bottom, an outlet conduit extending from that compartment having the lowest portion of the inclined bottom to a chamber having an orifice, and an extruder worm in the last named chamber constructed and arranged to discharge solid material through said orifice.

2,435,229

KNEADER POLYMERIZATION PROCESS FOR OLEFINS

Matthew D. Mann, Jr., Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application June 23, 1944, Serial No. 541,775
11 Claims. (Cl. 260-93)

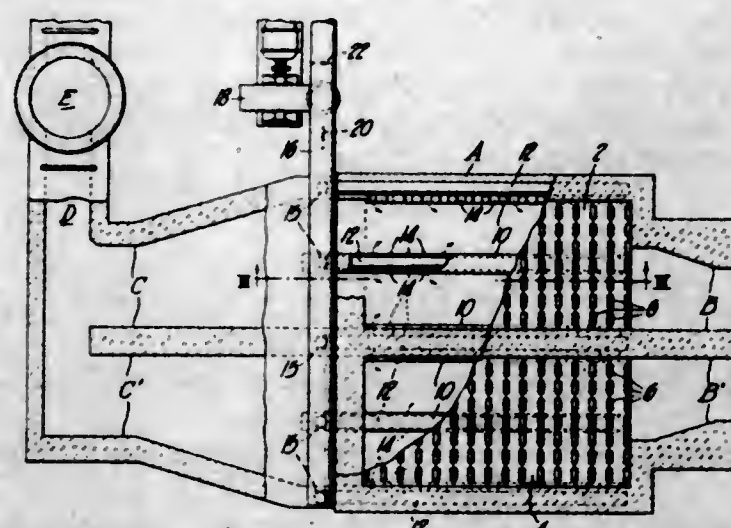


1. A polymerization process comprising the steps of mixing isobutylene with an inert liquefied normally gaseous organic refrigerant to bring it to a temperature within the range between -10° C. and -165° C., subjecting the mixture to a kneading treatment, and polymerizing the mixture under the influence of a kneading pulling and mixing action by the application thereto of a Friedel-Crafts type catalyst selected from the group consisting of gaseous boron trifluoride, aluminum chloride dissolved in a solvent selected from the group consisting of methyl chloride, ethyl chloride, and carbon disulfide, and boron trifluoride dissolved in said inert refrigerant.

2,435,230

REGENERATOR FOR OPEN HEARTH AND THE LIKE

John F. McLimans and Lewellyn L. Ausland, Duluth, Minn.
Application December 15, 1944, Serial No. 568,354
2 Claims. (Cl. 263-15)



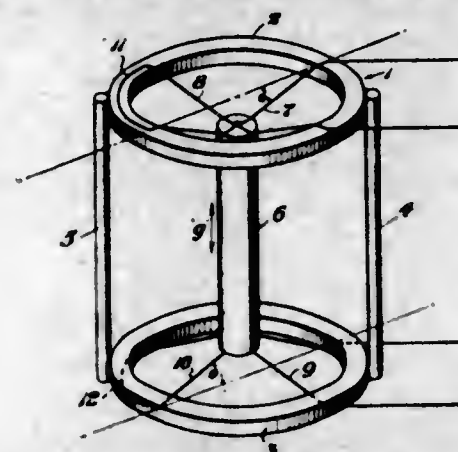
1. A regenerator comprising a chamber, checkerwork contained in said chamber and rider walls extending across said chamber for supporting said checkerwork, means for evenly dis-

tributing air to be heated through said checkerwork, said means comprising flues in said rider walls and ports opening therefrom at spaced points across the width of said chamber, and means for supplying air under pressure to said flues, said means comprising a manifold connected to a source of air under pressure and a plurality of risers having a smaller diameter than said manifold connecting said flues to said manifold.

2,435,231

ACCELERATION PICKUP

Albert E. McPherson, Bethesda, Md.
Application August 3, 1945, Serial No. 608,821
5 Claims. (Cl. 201-48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

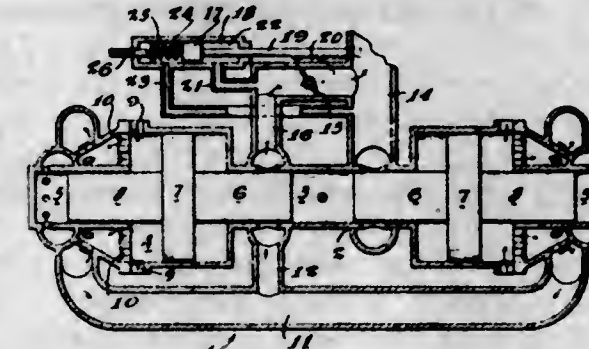


1. In an electrical resistance acceleration pickup: a rigid cylindrical frame structure; a cylindrical mass axially positioned intermediate the ends of said structure; quadrature spaced strain-sensitive wires fixed to the ends of said mass and secured to the corresponding ends of said structure, said mass, suspension angle, and dimensions and tension of said wires being so selected and adjusted as to result in a change in resistance in said wires proportional to the acceleration of said frame structure, said wires being adapted to be connected into a Wheatstone bridge circuit as adjacent arms thereof.

2,435,232

REGULATING THE SCAVENGING OF FREE PISTON ENGINES

Willard A. Morain, Hamilton, Ohio, assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y., a corporation of Virginia
Application November 10, 1945, Serial No. 627,860
12 Claims. (Cl. 123-46)



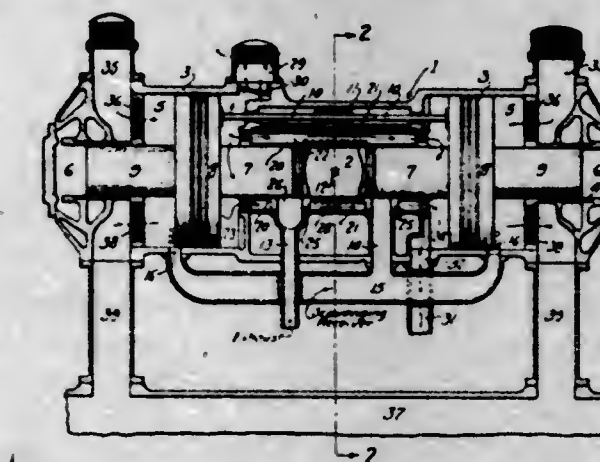
5. In a free piston internal combustion engine having a combustion chamber with an exhaust passage, and an air compressor chamber having an air inlet and outlet passages with the latter in scavenging connection with the combustion chamber, a valve in connection with one of said inlet and outlet passages operable to vary the scavenging connection pressure generated by the engine, and means in separate communication with said scavenging connection and exhaust passage operable by a predetermined differential

in the pressure therein to move said valve to maintain a predetermined relationship in the scavenging and exhaust pressures under varying operating conditions of the engine.

2,435,233

AIR COOLING MEANS FOR FREE PISTON ENGINES

George A. Mueller, Jr., and Paul S. Shirley, Hamilton, Ohio, assignors, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y., a corporation of Virginia
Application August 20, 1945, Serial No. 611,498
9 Claims. (Cl. 123-46)

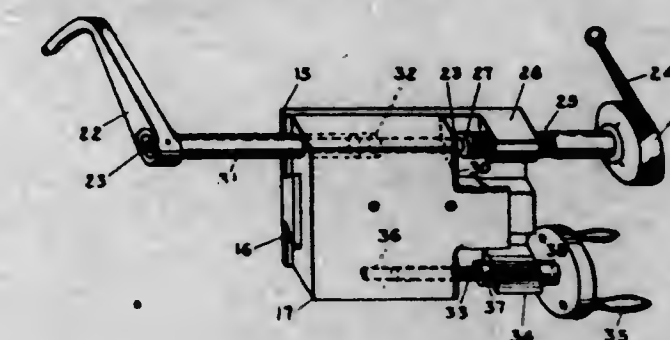


4. In an internal combustion free piston engine having a cylinder wall forming a combustion chamber, spaces at opposite ends of said chamber and oppositely moving pistons in said spaces, said cylinder wall having a space substantially around and lengthwise of its combustion chamber surface opening communication between said spaces, a check valve controlled inlet to one of said spaces for air under substantially atmospheric pressure and a check valve controlled outlet for the free flow of air from said other spaces, whereby on an outstroke of the pistons fluid is drawn into said spaces from the inlet and on an instroke of the pistons is forced from said spaces and through said outlet.

2,435,234

GRINDING WHEEL DRESSER

Gordon Munro, Bremerton, Wash.
Application April 20, 1945, Serial No. 589,435
9 Claims. (Cl. 125-11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



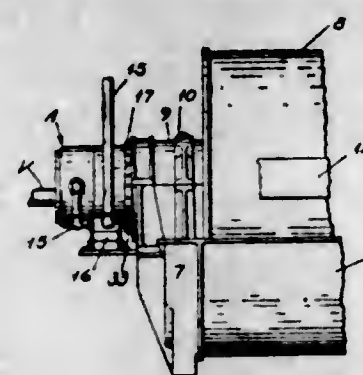
1. A grinding wheel dresser for dressing the grinding face of a grinding wheel and then placing the newly-dressed surface of the grinding wheel in the original plane of the grinding face, said dresser comprising a base, a grinding wheel support movably mounted on said base, a dresser means mounted for dressing movement against said grinding wheel and means for moving said grinding wheel support relative to said base the exact distance that said dressing means has moved into the grinding wheel, said latter means comprising abutting means on said dresser means and said base adapted to be separated as said dresser means moves into said grinding wheel

and then be brought back into abutting position to limit the movement of said grinding wheel support to the amount that the grinding wheel has been dressed.

2,435,235

CONTINUOUS VACUUM FILTER

Charles L. Porter, Carlsbad, N. Mex.
Application October 28, 1944, Serial No. 560,730
6 Claims. (Cl. 210—199)

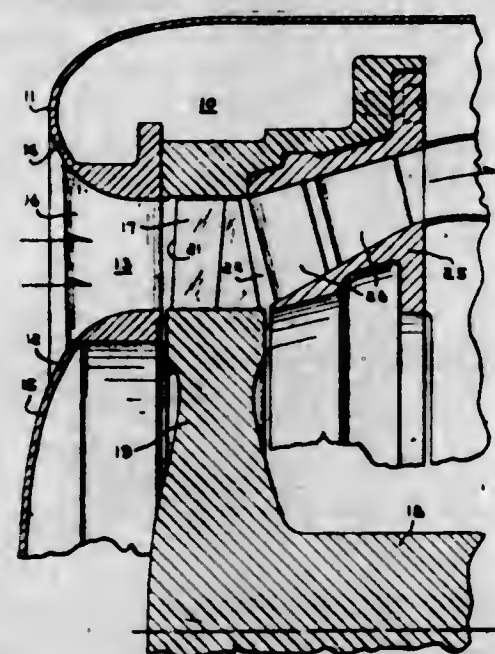


1. The combination with a continuous vacuum type filtering apparatus having a rotary drum provided with a plurality of filter compartments, and with which is associated control means for alternately connecting a vacuum conduit and an air pressure conduit with a filter compartment, of valve means for controlling flow through the air pressure conduit and comprising a rotatable valve member having conduit flow open and closed positions; means for moving the valve member to open and closed positions; and means mounted on said drum for actuating said moving means upon rotation of said drum, said valve member being moved to open position each time said air pressure conduit is connected to a filter compartment by said control means.

2,435,236

SUPERACOUSTIC COMPRESSOR

Arnold H. Redding, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 23, 1943, Serial No. 511,437
3 Claims. (Cl. 230—120)



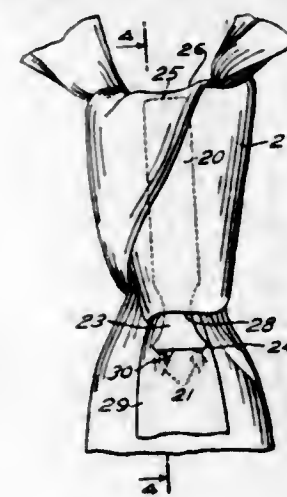
1. A compressor comprising a casing structure, a compressor rotor journaled axially in said casing structure and defining therewith an annular flow passage, blading carried by said rotor and extending across said annular flow passage, guide vanes carried by said casing structure and extending across said flow passage forward of said rotor blades and arranged to direct the gaseous medium to be compressed at a proper angle to said rotor blades, said rotor blades being substantially diamond-shape in section from root to tip and

leaving sharp inlet and outlet edges and intermediate apical portions, said blades being arranged so that the inlet edge of each blade together with an apical portion of the adjacent leading blade defines a restricted throat in the passage between the blades, said throat being substantially aligned with the direction of flow of the gaseous medium flowing through the blade passage for effecting a normal compression shock to gaseous medium entering said throat at superacoustic velocity relative to the moving blades and thereby provide an immediate reduction in the velocity of said medium and an immediate increase in the pressure thereof.

2,435,237

TIE STAY

Robert F. Reubush, Philadelphia, Pa.
Application January 30, 1946, Serial No. 644,317
7 Claims. (Cl. 2—153)



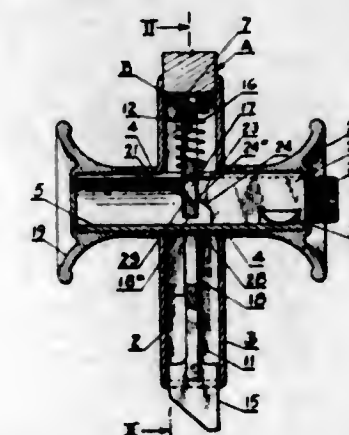
7. For a four-in-hand necktie, a tie stay consisting solely of a single, unitary substantially flat, relatively rectangular, elongated body member constructed solely for insertion vertically in the knot of the tie and between the back of the back part of the tie and the inner surface of the back turn of the knot, and engaging means integrally affixed consisting of two, spaced apart, relatively fairly short pins extending downwardly from the bottom edge of the body member and inclined in their upper half away from its plane and bent downwardly again in their lower half in a plane substantially parallel to its plane and adapted to penetrate the back of the back part of the tie for holding the stay fixed against slipping down, the dimensions of the stay being such that on insertion as above described in the knot and with the top of the body member against the under side of the topmost turn of the knot, the bottom end of the body member is exposed only slightly below the bottom of the back of the tie knot and only to an extent about sufficient to permit said exposed part to be grasped between the thumb and either the index and the middle finger in two opposed, shallow concave recesses, one along each of its side edges starting from a point substantially immediately above its bottom edge and for about a half inch along the side edge, both of said recesses bellying toward one another and adapted for holding while the pins penetrate the back of the back of the tie, the body member having substantially in its upper half a relatively slight arcuate turn so that its top edge would be in back of an imaginary straight plane drawn from the bottom edge along the body member and the engaging pins would be in front of said imaginary plane, said body member being of sufficient thickness to resist deformation during handling and of such width to permit its insertion into the knot without necessarily extending the width of the knot.

2,435,238

DOOR LOCK

Walter R. Schlage, Burlingame, Calif.; Anna Schlage, executrix of said Walter R. Schlage, deceased, assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California

Application July 23, 1945, Serial No. 606,580
4 Claims. (Cl. 292—169)



1. In a lock, a latch bolt, a retractor plate secured to the latch bolt, a rotatable tubular spindle passing through the retractor plate and having a rollback member formed thereon which is engageable with the retractor plate to retract the latch bolt when the spindle is rotated, a dog slidably mounted within the spindle and engageable with the retractor plate to dog the spindle against rotation, and means on the retractor plate to undog the spindle when the latch bolt is depressed.

2,435,239

PROCESS FOR REMOVING RESIN COATING FROM COPPER WIRE

Robert Ira Schub, Chicago, Ill., assignor to Joe A. Stone, trustee

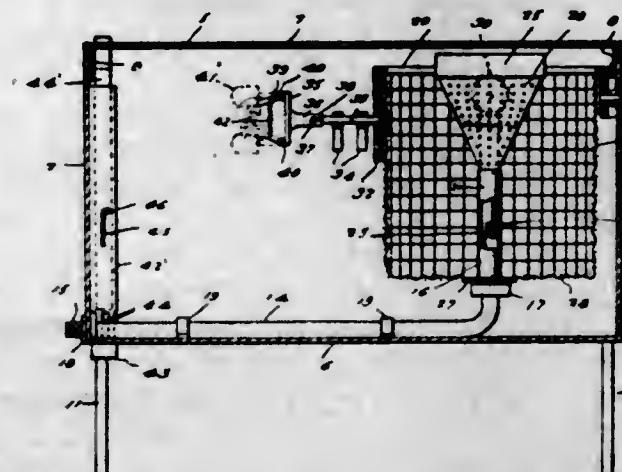
No Drawing. Application February 5, 1945, Serial No. 576,373
5 Claims. (Cl. 134—6)

4. A process of removing a polyvinyl formal resin coating from copper wire, comprising treating the coated surface with formic acid until the resin has softened, and then separating the softened resin from the surface.

2,435,240

DISHWASHING APPARATUS

David Semel, Los Angeles, Calif.
Application March 8, 1944, Serial No. 525,558
1 Claim. (Cl. 134—93)



Apparatus for washing dishes and the like comprising a tank, a cylindrical basket of reticulated material, a ring gear and pinions suspending the basket in the tank for rotation about a vertical axis, a water inlet pipe extending into said tank and terminating in an upright section extending through the bottom of the basket in

said vertical axis, a combined funnel-shaped sprayer and soap holder mounted in said section, and means mounted on said tank for rotating one of said pinions.

2,435,241

ENVELOPE FOR WINDING ELEMENTS

Frank J. Sigmund and William S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation, a corporation of Ohio

Application April 26, 1944, Serial No. 532,746
9 Claims. (Cl. 171—206)



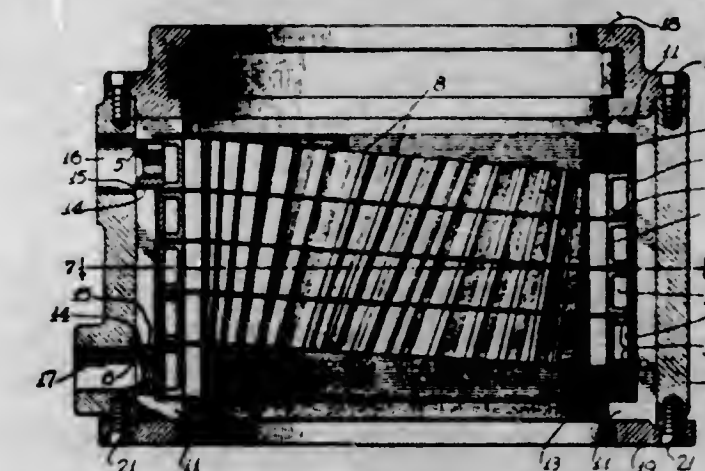
1. An envelope for a winding element having first and second end portions with an intermediate portion therebetween, said envelope comprising a first mass of insulating material covering the first end portion of the winding element, a second mass of insulating material covering the second end portion of the winding, and closure means for the intermediate portion of the winding element, said closure means including a split metal sleeve having a slit to receive the said intermediate portion of the winding element, said sleeve extending between the first and second masses of insulating material, and an additional mass of insulating material bridging the said slit and sealing the ends of the metal sleeve respectively with the first and second masses of insulating material.

2,435,242

METHOD OF MAKING GEAR HEATING COILS

Howard E. Somes, Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 11, 1945, Serial No. 572,318
6 Claims. (Cl. 29—155.56)

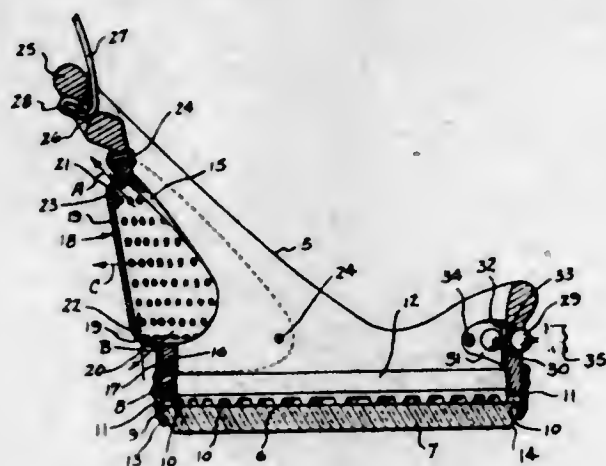


1. The method of forming a multi-turn inducing coil which consists in spirally severing an annular blank of electrically conductive material into multi-turn formation to form a cylindrical helix having inner and outer circumferential surfaces, rigidly holding the coil turns against relative movement, and then machining teeth in one circumferential face of the coil across a plurality of turns whereby the tooth elements of adjacent turns are in accurate alignment.

2,435,243

EYE PROTECTOR

Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts Application September 7, 1944, Serial No. 553,014 2 Claims. (Cl. 2-14)



1. In a device of the character described an eyecup member having an edge portion shaped to engage the face and having a forwardly extending wall portion terminating in an outer supporting edge, said wall portion, on the temporal side thereof, having an opening therein, and a shield overlying said opening, said shield having a centrally disposed dome-like portion cupped outwardly from the plane of its surrounding outer edge portion and shaped substantially to the outer contour shape of the opening and extending substantially throughout the area of said opening, said outer edge portion of the shield constituting a flange-like portion angularly disposed with respect to the side walls of the dome-like portion and lying substantially parallel with the top of said dome-like portion, said flange-like portion being shaped substantially to the contour of the adjacent outer wall of the eyecup surrounding the opening and to fit in contiguous relation therewith, said dome-like portion having spaced openings extending substantially throughout the area thereof with some of said openings lying in the side walls of the dome-like portion and being so disposed relative to each other as to afford increased lateral vision and simultaneously introduce ventilation in a direction transversely of the inner surface of the dome-like portion, and means connecting said flange-like portion with said eyecup member.

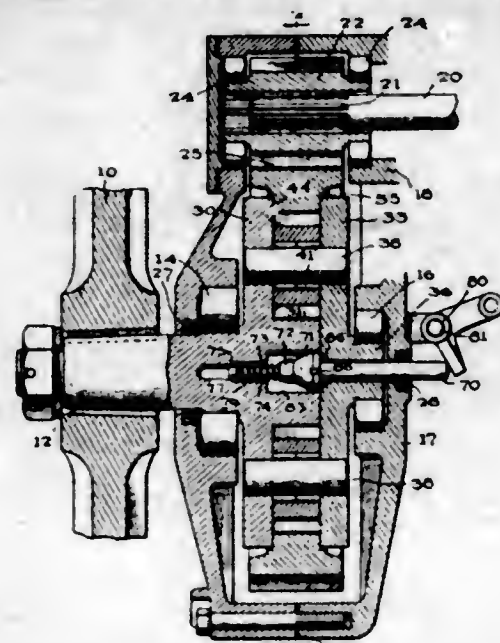
2,435,244

HYDRAULIC CLUTCH AND FINAL DRIVE SHAFT UNIT FOR TRACTOR VEHICLES

William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio Application May 8, 1943, Serial No. 486,241 15 Claims. (Cl. 180-75)

8. In a hydraulic unit for tractor-like vehicles, a final driving wheel, a live axle and means interposed between the said wheel and axle to drive the former from the latter with any desired degree of slippage, said means being arranged in a housing supported by the vehicle, and including a multiple hydraulic pump assembly, including a gear for each pump, mounted for rotation in said housing, a cooperating single gear for completing the pumps arranged concentric with and for movement relative to said assembly, valves carried by said assembly

for adjusting the rate of liquid flow from the several pumps, and means to individually driv-



ingly associate the assembly and single gear with one each of the wheel and axle.

2,435,245

STABILIZED POLYMERS OF ETHYLENE

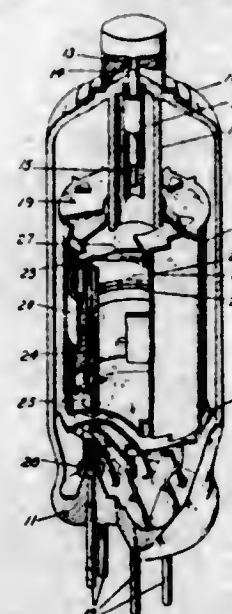
Daniel E. Strain, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware No Drawing. Application February 5, 1944, Serial No. 521,263 3 Claims. (Cl. 260-94)

1. A composition of matter consisting of a normally solid homopolymer of ethylene and from 0.001% to 5.0% by weight of diphenylamine-acetone condensation product, based on the weight of the homopolymer.

2,435,246

GASEOUS DISCHARGE DEVICE CONTAINING PERFORATED STARTING ELECTRODES

Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware Application February 14, 1946, Serial No. 647,463 4 Claims. (Cl. 250-27.5)



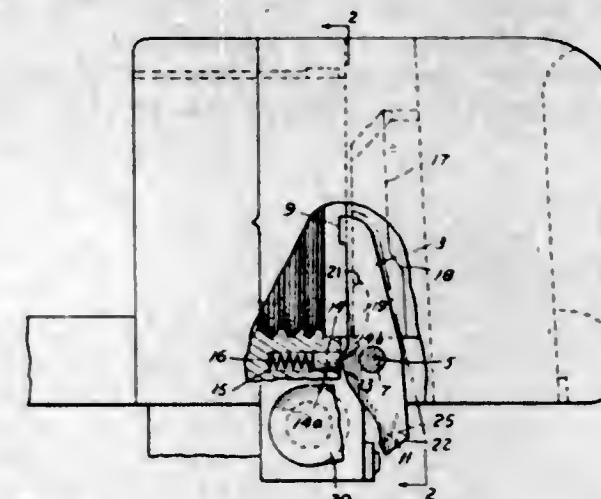
1. A gaseous discharge device comprising an envelope containing an ionizable gas, a plurality of electrodes supported within said envelope, said electrodes comprising an anode and a cathode therefor, and a third electrode, said last-named electrode having affixed thereto a hollow metallic tubular member, perforated at intervals, and containing an electron-emissive material therein, said last-named member being disposed in the path of a discharge between said anode and cathode, whereby said electron-emissive material is evolved by reason of the temperature normal in a discharge between said anode and cathode.

2,435,247

EXTRACTORS FOR GUNS WITH VERTICALLY SLIDING BREECH BLOCKS

William Summerbell, Washington, D. C. Continuation of application Serial No. 393,763, May 16, 1941. This application June 23, 1944, Serial No. 541,805

5 Claims. (Cl. 89-24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In a gun, the combination of a breech ring having a recess to receive a sliding breechblock, a pivot, an extractor arm pivoted thereon for movement between a forward and a rearward position, a plunger mounted for reciprocation in said breech ring, said plunger having a flat surface lying in a plane parallel to the axis of said pivot, a cam on said extractor arm cooperating with said plunger face and said cam having a flat surface lying in a plane parallel to the pivot axis of said extractor arm, said surfaces being in contact and forming an acute angle with each other when said extractor arm is in its forward position whereby said extractor arm is forced to a rearward position, said surfaces being in face-to-face contact and parallel with each other when said extractor arm is in its rearward position whereby said extractor arm is releasably held in said rearward position.

2,435,248

SUGAR COMPOSITIONS

Alexander M. Zenses, New York, N. Y., assignor of one-half to Musher Foundation, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application May 25, 1943, Serial No. 488,475

11 Claims. (Cl. 99-141)

1. A process of producing novel sugar compositions having a desirable maple flavor and being capable of manufacture into a fruit type jelly without the addition of fruit flavors which comprises preparing a combination of cane sugar constituents, said combination having an ash content of between 0.4% and 2% based upon the solids present and said combination also comprising (a) a material selected from the group consisting of molasses and "green" cane sugar syrup, which material is present in a sufficient amount to supply between 10% and 50% of the total ash content of the combination, and (b) a material selected from the group consisting of cane juice, raw cane sugar, washed raw cane sugar and the outer sugar film of raw cane sugar crystals, which latter material is present in a sufficient amount to supply between 90% and 50% of the total ash content of the combination, heating to a temperature of between 240° F. and 275° F. and then removing the undissolved materials.

2,435,249

SUGAR BASE COMPOSITION

Alexander M. Zenses, New York, N. Y., assignor of one-half to Musher Foundation, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application May 29, 1943, Serial No. 489,256

15 Claims. (Cl. 99-142)

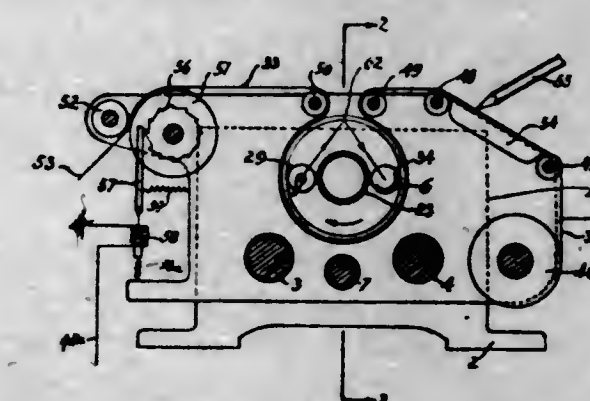
1. A method of producing a concentrated sugar base composition, capable, upon dilution with a sweetening agent, of use as a table syrup and upon acidification to pH 2.9 to 3.5, of use in the manufacture of fruit flavored syrups and jellies, which comprises removing the outer syrup film from the surfaces of raw cane sugar crystals, acidifying the said outer syrup film heat reacting and modifying said outer syrup film at a temperature of at least 240° F. and then filtering through an inert filtration agent.

2,435,250

INSIDE SCANNING FACSIMILE RECORDER

William S. Tandler and David S. Walker, New York, N. Y., assignors, by mesne assignments, to The Western Union Telegraph Company, New York, N. Y., a corporation of New York Application February 25, 1944, Serial No. 523,824

12 Claims. (Cl. 178-6.6)



1. A transmitter for facsimile systems comprising a continuous message carrier, a hollow transparent member to support the message containing portion of said carrier, means to transport said message onto the circumference of said hollow member, a light source to create a light spot on said message carrier, and a photostatic scanner rotatably located in the center axis of said hollow member, means to displace the latter in a longitudinal direction, substantially perpendicular to the transport direction of said continuous message carrier to effect helical inside scanning of the message on said continuous carrier, and means to transmit the energy impulses of said scanner to a receiver.

2,435,251

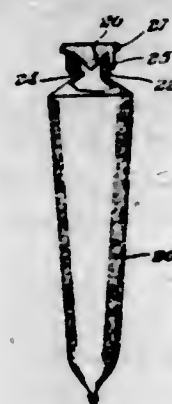
COLLAPSIBLE WALL TYPE CONTAINER

Charles A. Tome, Wilmington, Del. Application September 23, 1943, Serial No. 504,090 4 Claims. (Cl. 222-192)

1. A container comprising a flexible metal tube having an integral comparatively rigid head with a screw threaded nozzle, a cap for said nozzle composed of inert non-metallic material, a pellicle constituting a liner for said tube and nozzle, said cap having conical means to press the liner against the inside of the nozzle and having a screw threaded wall adapted to encircle and strengthen the nozzle.

4. A flexible container comprising a metallic tube and an inert, flexible, self-sustaining liner of organic material, said tube and liner being collapsed at one end to bring opposed parts thereof

into contact across the width of the tube and folded to form a closure, the engaging parts of the liner within the fold being self-integrated to



form a seal, and the tube having a notch extending partially through the metal and the liner of the fold.

2,435,252

ARYL PHOSPHORUS CONTAINING RESINS AND THE METHOD OF PREPARING THE SAME

Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application January 1, 1944, Serial No. 516,713

11 Claims. (Cl. 260-47)

2. The method of producing phosphorus-containing resins which comprises heating equal molecular proportions of a phosphorus compound having the formula



with an aryl compound having the formula HOROH wherein Y is a member of the class consisting of oxygen and sulfur when the phosphorus is pentavalent and is absent when the phosphorus is trivalent and R is aryl, the heating being carried out initially at a temperature sufficient to cause condensation with liberation of hydrogen chloride, then under reduced pressure at a temperature and period of time sufficient to effect a high degree of polymerization.

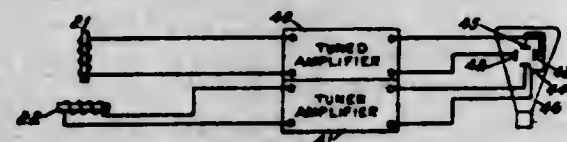
2,435,253

SYSTEM FOR SOUND RANGING

Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware

Original application May 13, 1940, Serial No. 334,774. Divided and this application February 17, 1943, Serial No. 476,244

7 Claims. (Cl. 177-386)



1. A submarine signaling system comprising, in combination, a pickup unit composed of two similar elements arranged substantially at right angles to each other, each of said elements having pickup surfaces positioned at points one half

wave length apart in the signaling medium at the signaling frequency, cathode ray tube indicating means having two pairs of parallel plates at right angles to each other, and means operatively connecting each of said elements to one pair of said parallel plates.

2,435,254

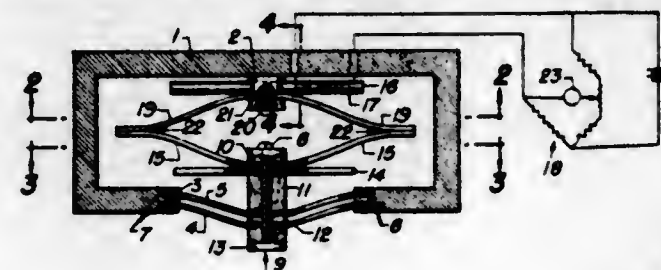
DYNAMIC STRAIN PICKUP

Walter Ramberg, Chevy Chase, Md.

Application September 25, 1945, Serial No. 618,597

3 Claims. (Cl. 201-52)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a dynamic strain pick-up a housing having an opening in one side thereof, a flexible means of high natural frequency mounted on the housing across the opening and adapted to respond to vibrations, a thrust member mounted on the flexible means, a resistance coil having a supporting core, mounted in the housing transversely of the thrust member, and an elliptic spring having an electrical conducting leaf and a non-conducting leaf, the latter being secured to the thrust member and the former bearing on the resistance coil and adapted to deflectably extend its bearing contact along the coil to vary the current passing therethrough as a function of the displacement of the thrust member.

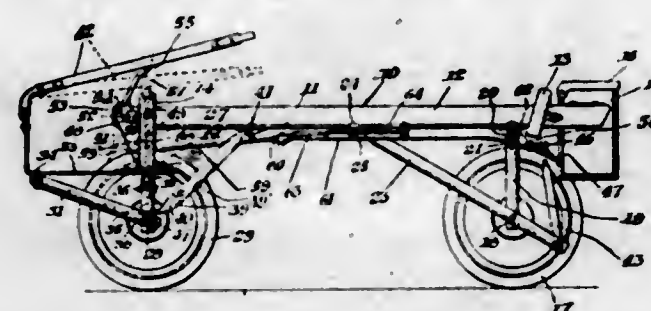
2,435,255

HANDLE OPERATED BRAKE

William Thomas Watson, West Vancouver, British Columbia, Canada

Application November 15, 1945, Serial No. 628,864

3 Claims. (Cl. 280-88)



1. A wagon comprising in combination a body, a front axle mounted to pivot about a vertical axis, wheels carried by said axle, a steering yoke connected to said axle, a steering handle extending to the rear over said body and hingedly connected to said yoke to control pivoting of said axle, a rear axle, wheels carried by said rear axle, two struts spaced apart and connected at one end to said body and extending to the rear of said axle, each strut being connected between its ends to said rear axle, two arms each pivotally connected at one end to a rearward strut extension, a brake beam extending transversely of said wagon to the rear of said axle and carried at the other end of said arms, two brake shoes carried by said beam, one in line with each rear wheel and means actuated by depression of said steering handle to draw said brake beam towards the front of said wagon to engage said brake shoes.

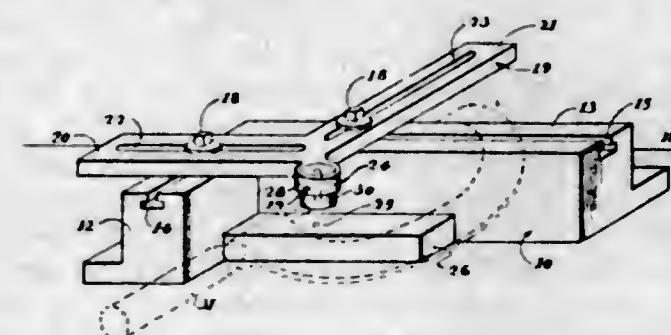
2,435,256

HOLE LOCATING AND DRILLING DEVICE

Henry G. Whitmore, Newburyport, Mass., assignor to Samuel C. Brody, Newton Centre, Mass.

Application May 10, 1944, Serial No. 535,002

3 Claims. (Cl. 77-62)



1. In a device of the class described, a flat top right-angled lower block comprising a pair of arms disposed at right angles to each other, said block having slots extending longitudinally of the upper face of each of its arms, a clamp piece within each of said slots and readily slidable along the length of said slots, an upper block having longitudinally slotted flat arms disposed across the slotted upper faces of the lower block arms, adjustable bolts passing through the slots in the arms of the upper block and anchored within said clamp pieces to permit adjustment of said upper block with respect to said lower block and to retain said blocks in adjusted position, and a drill guide carried at the exterior angle of juncture of the arms of the upper block and adjustably positionable over a piece of work located within the interior angle of the lower block and below the plane of the bottom surface of the upper block.

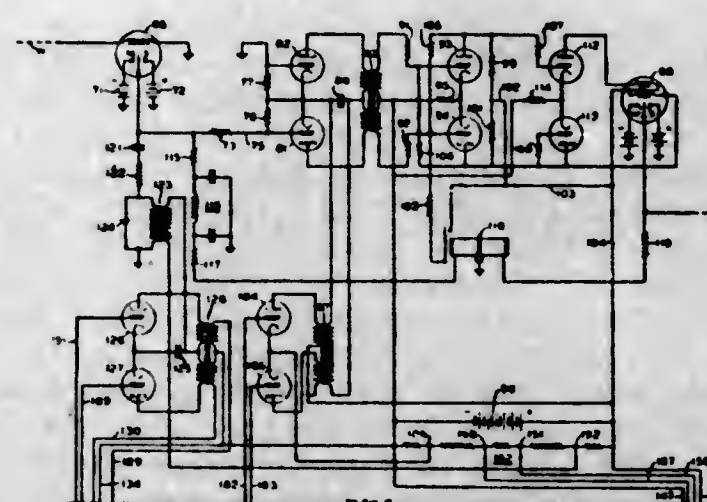
2,435,257

START-STOP ELECTRONIC REGENERATIVE REPEATER

Harold F. Wilder, Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application October 17, 1942, Serial No. 462,368

20 Claims. (Cl. 178-70)



1. A regenerative telegraph repeater comprising a signal receiving device, a signal transmitting device, means prepared for operation by said signal receiving device in accordance with the character of the received signals and operable to control said signal transmitting device, a delay network having a plurality of sections connected in cascade, means controlled by said receiving device for impressing a voltage on one terminal of said network preceding the receipt of a group of intelligence signals, and means controlled by voltages derived from succeeding sections of said network for timing in a predetermined manner the operation of said transmitting device control means.

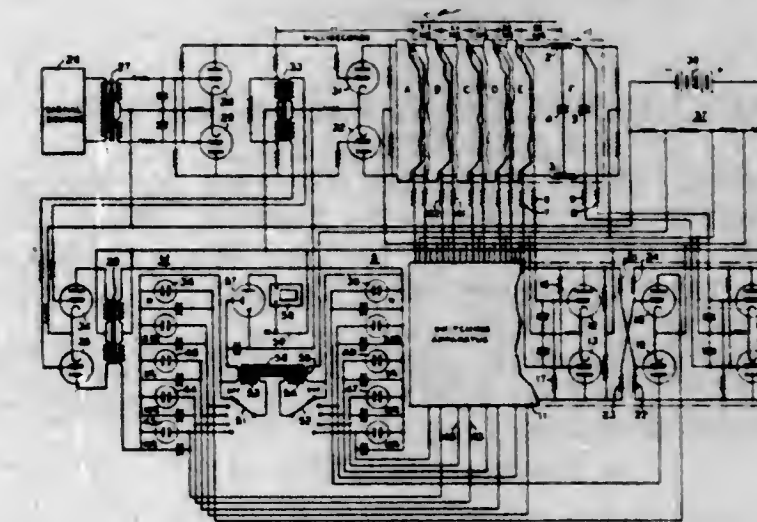
2,435,258

TELEGRAPH SIGNAL IMPULSE MEASURING DEVICE

Harold F. Wilder, Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application June 21, 1944, Serial No. 541,371

8 Claims. (Cl. 178-69)



1. In a telegraph signal distortion indicator, a delay network comprising a cascaded arrangement of a plurality of sections, means responsive to each signal transition for impressing upon one terminal of said network a voltage for propagation therethrough at a rate determined by the parameters of said network sections, means for deriving from successive sections of said network a series of impulses, means responsive to each transition from one signaling condition to another for generating another impulse, a plurality of indicating devices arranged to be influenced collectively by said another impulse and individually by respective ones of said series of impulses, and means for operating one of said indicating devices to show the approximate time distortion of the telegraph signals when two successive impulses generated by signal transitions occur at a frequency different from the propagation rate of said network.

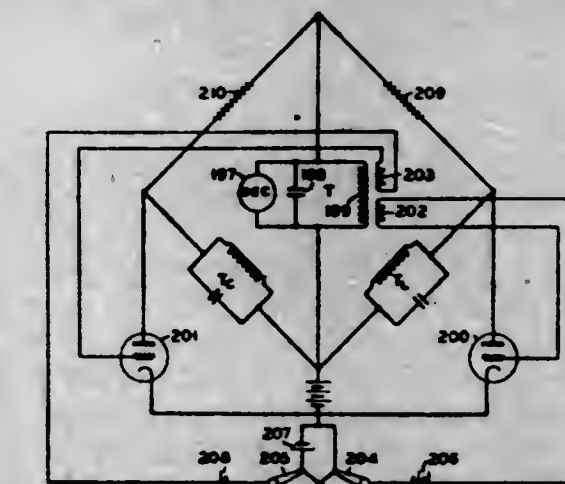
2,435,259

FREQUENCY CONTROL APPARATUS

Harold F. Wilder, Wyckoff, N. J., and Albert W. Breyfogel, Howard Beach, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Original application June 14, 1940, Serial No. 340,462. Divided and this application September 30, 1942, Serial No. 460,215

6 Claims. (Cl. 250-36)



1. In combination, an electronic oscillator, a source of primary periodic energy to determine the normal frequency of said oscillator, two auxiliary resonant generators respectively producing periodic energies one of which leads and the other of which lags the phase of said primary periodic energy by equal angles each of less than

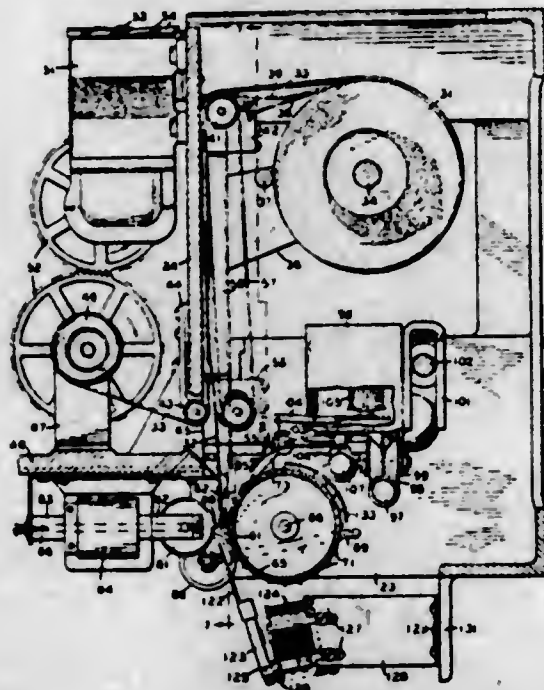
one-half wave length relative to said primary energy, means for combining said auxiliary periodic energies to supply supplementary energy to said oscillator in phase with said primary periodic energy, and means for oppositely changing the phase angles of said auxiliary energies to displace in phase said supplementary energy with respect to said primary energy.

2,435,260

SHEET FEEDER FOR FACSIMILE TELEGRAPH APPARATUS

Raleigh J. Wise, Dunellen, Garvice H. Ridings, Summit, and Robert D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Original application April 18, 1941, Serial No. 389,164. Divided and this application October 3, 1942, Serial No. 460,603

4 Claims. (Cl. 271-8)

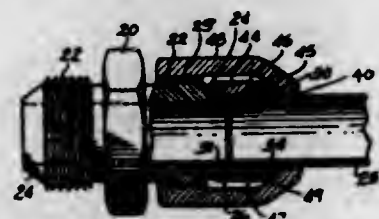


1. In a facsimile machine, a rotary recording cylinder, stationary means for supporting a sheet opposite said cylinder in spaced relation thereto, and means for moving said sheet laterally off said supporting means into engagement with said cylinder during rotation thereof, whereby the sheet is wrapped around the cylinder for scanning.

2,435,261

COUPLING DEVICE

George V. Woodling, Cleveland, Ohio
Application June 3, 1944, Serial No. 538,665
2 Claims. (Cl. 285-86)



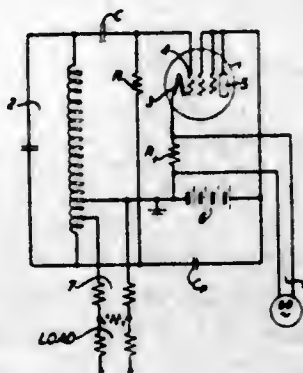
1. A device for attaching a tube having a flared end to a fitting element having an abutting end surface against which the flared end of the tube engages, said device comprising a hollow member adapted to fit around the tube and having means to engage the fitting element for securing said member to said fitting element, a solid collar in the hollow member adapted to surround the tube and disposed next adjacent to the flared end of the tube, said solid collar having reversible and substantially identical end surfaces, each con-

stituting substantially an internal cam surface with one of said cam surfaces engaging the flared end of the tube, a split collar in the hollow member disposed to engage the solid collar and adapted to be contracted about the tube at a place remote from the flared end of the tube, said split collar having reversible and substantially identical end surfaces, each constituting substantially an external cam surface with one of said external cam surfaces engaging the internal cam surface on the solid collar which is remote from the flared end of the tube, said hollow member having substantially an internal cam surface for engaging the other of the said external cam surfaces of the split collar and forcing the split collar against the solid collar, whereby the split collar is forcibly contracted by cam pressure upon both ends thereof around the tube to clamp the tube against longitudinal movement in the hollow member, said split collar upon contraction pressing against the solid collar and forcing the said one end of said cam surfaces thereon tightly against the flared end of the tube, whereby the flared end of the tube is pressed tightly against the abutting end surface of the fitting element for making a sealing engagement therebetween.

2,435,262

SELF-MODULATED OSCILLATOR

Alphons V. Wurmser, Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1944, Serial No. 519,747
7 Claims. (Cl. 250-36)



1. A self-modulated electric discharge tube oscillator comprising, an electric discharge tube having input and output electrodes and associated circuits all so interrelated as to cause the organization to generate a steady, substantially pure, wave of relatively high frequency, a relatively low frequency modulating wave source comprising a resistance-capacitance combination specific to said input electrodes for determining the modulating frequency, and an injection frequency means connected to said associated circuits adapted to coerce said low frequency combination and lock its frequency into a commensurable relation with its own frequency, said tube having a modulating as well as an amplifying characteristic whereby the organization as a whole is adapted to generate steady, pure, waves of both said relatively high and relatively low frequencies together with intermodulation products of the same.

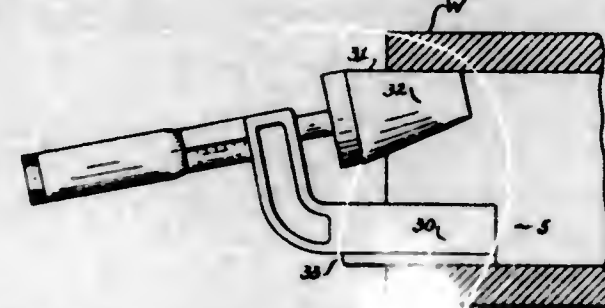
2,435,263

INTERNAL MICROMETER GAUGE

Paul F. Adrian, Worcester, Mass.
Application March 25, 1944, Serial No. 528,071
2 Claims. (Cl. 33-164)

1. An internal measuring device comprising a frame, a plunger threaded in said frame and axially adjustable by rotation relative thereto, a

cone mounted on the free end of said plunger and concentric therewith, and a gauge bar fixed on



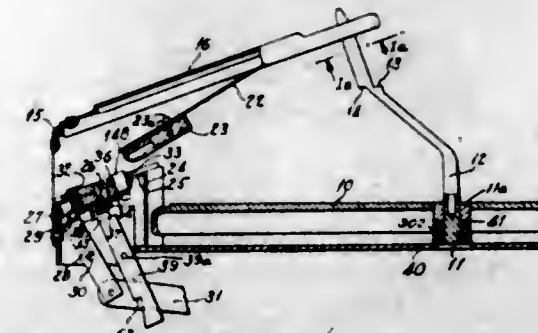
said frame and parallel to the most remote longitudinal surface element of said cone.

2,435,264

AUTOMATIC RECORD CHANGER FOR PHONOGRAPHS

Anders Johan Ansar, Nykoping, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Lidings, near Stockholm, Sweden, a corporation of Sweden
Application June 10, 1942, Serial No. 446,407
In Sweden July 24, 1941

6 Claims. (Cl. 274-10)



1. In an automatic record changer for changing mixed records of large and small diameter, a turntable, an arm extending upwardly in an inclined direction from the center of said turntable, means for retaining a stack of records on the upper end of said arm with said arm extending through the center perforation of each record, and means for engaging the periphery of the lowermost record in said stack and for displacing said lowermost record radially with respect to the stack, the horizontal distance between the center of said lowermost record and the center of said turntable being at least as great as one-half the difference between the diameters of large and small records, whereby a record, as it moves along said inclined arm from the bottom of the stack to said turntable, is further displaced radially through said horizontal distance.

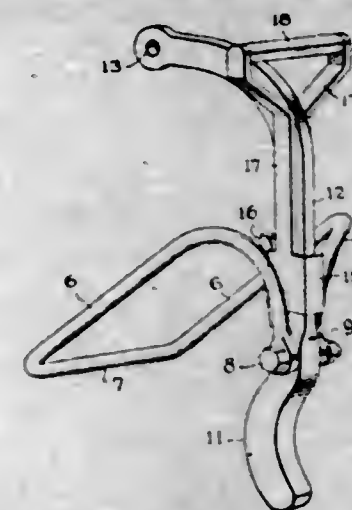
2,435,265

GRAPPLE

William B. Baker, Council Bluffs, Iowa, and Harold Rees, Omaha, Nebr.
Application November 12, 1946, Serial No. 709,226
3 Claims. (Cl. 294-104)

2. A grapple for use in inserting the shanks of coupler heads into coupler pockets, comprising in combination a stirrup adapted to engage the rear of a coupler head; a two-armed lever pivotally connected therewith, having on its lower arm a head adapted to engage the front of the same coupler head and having in the upper portion of its upper arm an offset with suspending connection arranged to develop a grappling tendency by the gravity of the grappled coupler and so dimensioned and arranged as to locate the point of suspension substantially vertically above the combined center of gravity of the grapple and the coupler sustained thereby; and a safety

clamp comprising a wedging member movable relatively to the upper arm of the lever, and shiftable to develop a clamping reaction between

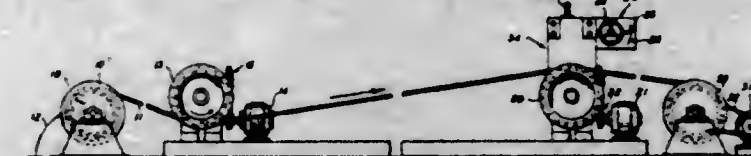


said arm and the front of the grappled coupler head, whereby engagement of the grapple is maintained independently of the gravity effect of the coupler.

2,435,266

APPARATUS FOR TESTING CABLES

Samuel E. Brillhart, Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 3, 1944, Serial No. 556,966
2 Claims. (Cl. 28-71.3)



1. In a testing apparatus, a capstan for advancing a conductor, a second capstan over which is advanced a conductor advanced by the first-mentioned capstan, an electric motor tending to rotate the second capstan at a predetermined peripheral rate of speed, a torque motor for applying a torque to the first-mentioned capstan, whereby the conductor is tensioned, a controller for controlling the torque of the torque motor, a handwheel for operating the controller, a fixed scale, and a pointer secured to the handwheel for indicating on the scale the amount of tension placed upon the conductor.

2,435,267

METHOD OF AFFIXING LABELS, WRAPS, ETC.

Leo Cahn, Forest Hills, N. Y., assignor to Consolidated Lithographing Corporation, Brooklyn, N. Y., a corporation of New York
No Drawing. Application May 15, 1946, Serial No. 670,644
6 Claims. (Cl. 216-62)

1. The method of heat-sealing a label carrying heat softenable material to the surface of an object, which comprises directing a flame against said surface and thereby heating the same to a temperature at least as high as the softening temperature of the heat softenable material of the label, and then applying said label to said heated surface while it is in said heated condition.

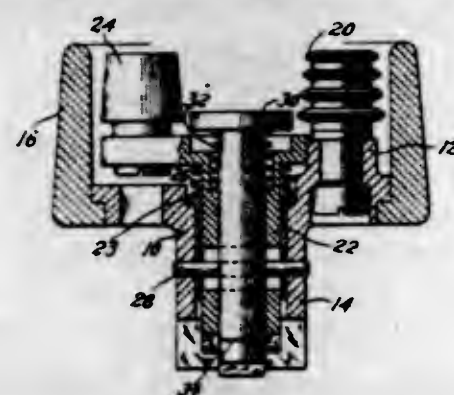
2,435,268

TAPER THREAD GAGE

Gordon E. Childs, Simsbury, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application October 11, 1944, Serial No. 558,142
5 Claims. (Cl. 33-199)

1. A screw thread gage comprising in combination, a body member having annularly grooved

rotatable gaging members adapted to engage the thread surfaces of the member being gaged, said members rotating when the member being gaged is being placed in gaging position, means to indicate the position of the member being gaged relative to said body member axially thereof when in its gaging position, supplemental gaging

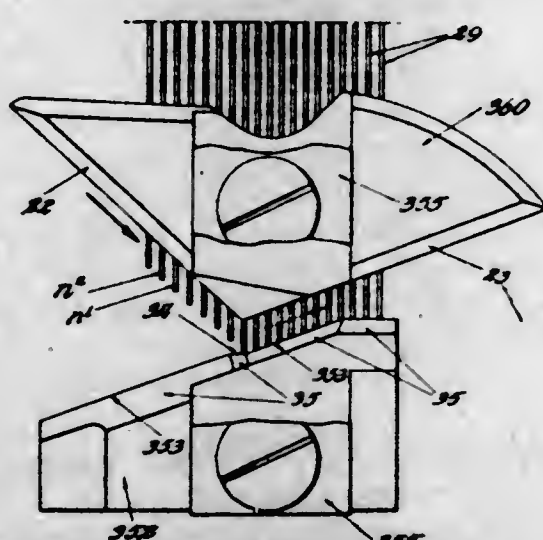


means engaging the outer surface of the threaded member being gaged, a member supporting said supplemental gaging means for movement parallel with the axis of the member being gaged, and means to indicate the position of said member supporting said supplemental gaging means when in its gaging position relative to said body member.

2,435,269

NEEDLE CAM FOR CIRCULAR KNITTING MACHINES

Horace L. Curtis, Gilford, and George H. McKinley and George H. Miller, Laconia, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application March 29, 1946, Serial No. 658,082
14 Claims. (Cl. 66—57)



1. In a circular knitting machine, a plurality of independent latch needles, operating butts on said needles, in combination with a stitch cam and an end raising cam therefor, said end cam being below the stitch cam and having a flat extending past the point of the stitch cam slightly less than the thickness of one needle.

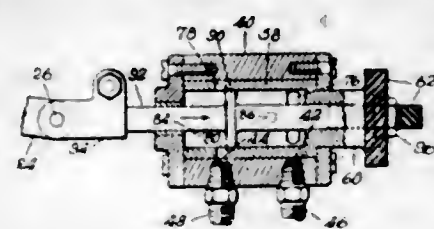
2,435,270

VALVED-CYLINDER TYPE MOTOR

Lee H. Cushman, South Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application May 26, 1943, Serial No. 483,668, now Patent No. 2,386,383, dated October 9, 1945. Divided and this application August 3, 1944, Serial No. 547,943
3 Claims. (Cl. 121—41)

1. A valve and motor mechanism comprising a casing having a plurality of inlet-ports and a plurality of outlet-ports arranged successively at different points longitudinally of the casing, said

inlet- and outlet-ports alternating in their longitudinal arrangement, a sleeve rotatable within the casing and provided with a plurality of sets of openings, each set being individual to one

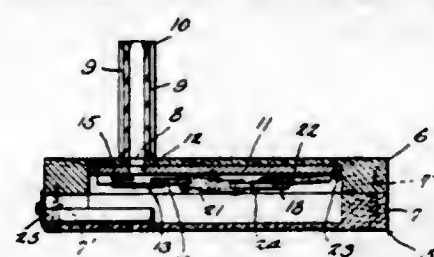


of the ports with its opening movable into successive registration with such port in the rotation of the sleeve, and a piston reciprocable within the sleeve.

2,435,271

ENVELOPE OPENER

Henry L. Dowell, Athens, Tex., assignor of one-half to Leon Barron, Athens, Tex.
Application April 24, 1946, Serial No. 664,530
2 Claims. (Cl. 164—41)

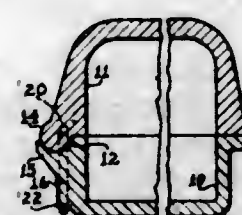


1. An envelope opener comprising a body having a slot formed in the upper surface thereof, spaced transparent guide members positioned on opposite sides of the slot and adapted to guide an envelope to the slot, a supporting plate secured within the body portion directly under the slot and in spaced relation with the slot, said supporting plate providing a support for an envelope held within the slot, a stationary blade secured adjacent to one edge of the slot, a pivoted blade mounted within the body and adapted to move under the slot in cutting relation with the stationary blade, whereby an envelope resting on the plate is cut.

2,435,272

HINGE CONSTRUCTION IN MOLDED RECEPTACLES

Philip J. Graham, Worcester, Mass., assignor, by mesne assignments, to Trig Corporation, Worcester, Mass., a corporation of Massachusetts
Application April 28, 1944, Serial No. 533,191
6 Claims. (Cl. 220—35)



1. A receptacle comprising a container and a cover formed of moulded plastic material, one of said moulded parts being shaped to form a bearing surface, the other part having an integrally moulded knuckle fitting against the bearing surface, said knuckle and bearing surface forming the sole receptacle hinge, one of said parts having two axially aligned pivot sockets parallel with the hinge axis, a wall of the other part having a locking projection which is opposed to and intermediate of said sockets, and a substantially U-shaped locking member having arms terminating in axially aligned pivot ends rotatable within said sockets and a locking base portion between

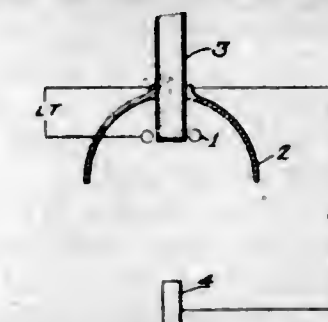
said arms which is interlocked with said projection and continually urges the hinge parts together, said base portion and arms of the U-shaped locking member substantially defining a plane which is parallel at all times to the hinge axis.

2. A receptacle according to claim 1 wherein the aligned sockets are eccentric to the hinge axis and the locking member is resilient and its arms swing across the outer ends of the knuckle and the axis of the hinge when the cover is moved, so as to hold the cover resiliently in a closed or an open position.

2,435,273

METHOD OF COATING WITH TUNGSTEN CARBIDE

Henry Stafford Hatfield, Hildersham, England
Application July 14, 1942, Serial No. 450,941
In Great Britain July 31, 1941
Section 3, Public Law 690, August 8, 1946
Patent expires July 31, 1961
6 Claims. (Cl. 117—93)



4. The method of coating a metallic surface which comprises applying to said surface powdered tungsten carbide, subjecting said surface together with said carbide to a focused beam of cathode rays for a time sufficient to amalgamate said metallic surface and said carbide.

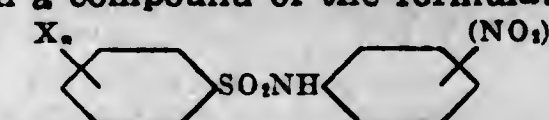
5. The method of coating a metallic surface which comprises applying to said surface powdered tungsten, contacting said tungsten on said surface with powdered carbon, and simultaneously subjecting said surface together with the powdered material thereon to a focused beam of cathode rays for a time sufficient to form tungsten carbide and to amalgamate said metallic surface with said carbide, said metallic surface being the anode relative to the source of cathode rays.

2,435,274

CONTROL OF INSECTS

William F. Hester, Drexel Hill, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Original application June 24, 1943, Serial No. 492,133. Divided and this application May 3, 1944, Serial No. 533,953
10 Claims. (Cl. 167—30)

4. The process of controlling insects which comprises supplying the environment of said insects with a compound of the formula:



wherein X is a halogen, n is an integer from one to five, inclusive, and m is an integer from one to three, inclusive.

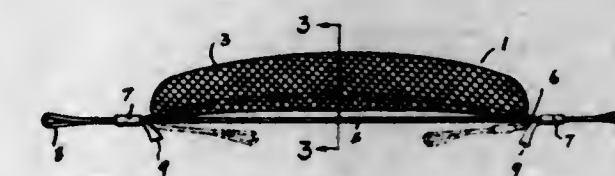
2,435,275

HAIR ROLLER

Clyde Simpson Hirsch, Sulphur, La.
Application June 12, 1945, Serial No. 598,945
2 Claims. (Cl. 132—55)

1. A hair roller comprising, an elongated mandrel formed of soft material contained in a fabric

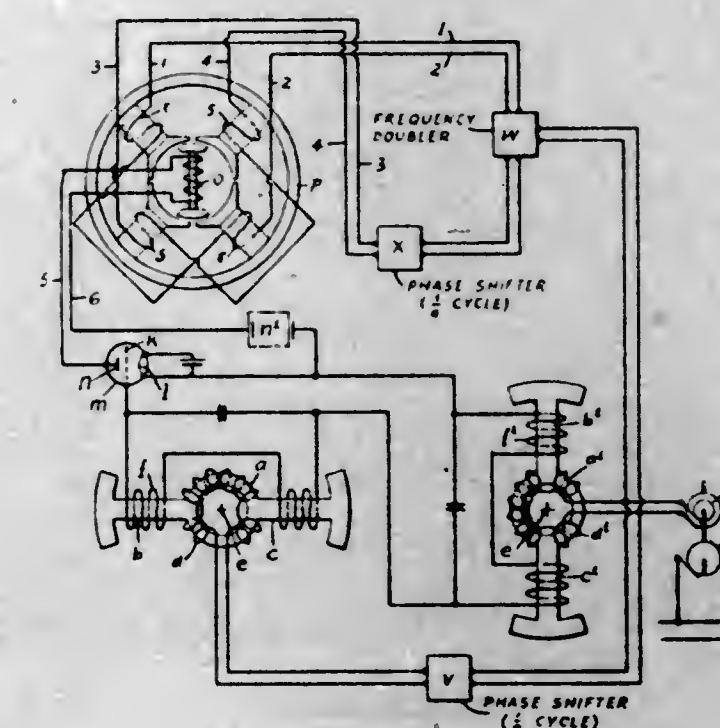
sac and being of a general arcuate contour and having major and minor transverse diameters, the major transverse diameter being uniform, substantially, from end to end of the mandrel, approximately parallel bars formed of bendable material, one of said bars extending lengthwise



through the mandrel from end to end and adjacent the side thereof which forms the inside of the arc and the other bar being arranged alongside said side of the mandrel, said bars being joined at their ends forming continuous loops which extend beyond the ends of the mandrel.

2,435,276

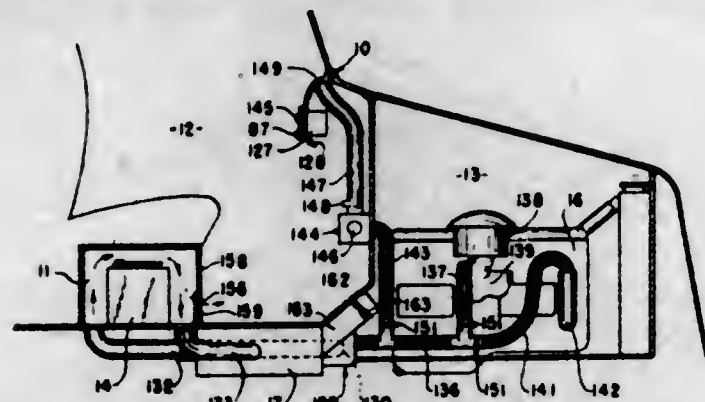
MAGNETIC FIELD INDICATING MEANS
Edward Lowther Holmes, Barkingside, Ilford, England, assignor of one-half to Henry Hughes & Son Limited, London, England, a British limited liability company
Application August 14, 1943, Serial No. 498,714
In Great Britain August 14, 1942
6 Claims. (Cl. 33—204)



6. A magnetic field indicating means comprising two symmetrical elements of magnetic material disposed in parallel planes and forming closed magnetic circuits therein, a pair of oppositely projecting poles on each element, the axes of each of said pairs of poles lying in the plane of symmetry of the corresponding element and being substantially perpendicular to one another, series connected windings disposed on each pole of said pairs of poles, windings disposed on said elements, means for energizing said element windings by alternating currents of given frequency that are displaced in phase by one-eighth of a cycle, respectively, thereby producing in said series connected pole windings a resultant voltage of double frequency whose magnitude is representative of the magnitude of an external field and whose phase is representative of the angle made by said field with one of said pole axes, means for amplifying said induced voltage, and means for determining the phase of the amplified voltage with respect to a voltage of said double frequency and of reference phase.

2,435,277

HEATING AND IGNITION CONTROL SYSTEM
Harry B. Holthouse, Chicago, Ill., assignor to
Motorola, Inc., a corporation of Illinois
Application July 12, 1943, Serial No. 494,325
15 Claims. (Cl. 123-179)

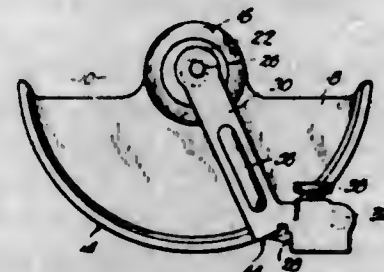


1. In a control system for an internal combustion engine having an increased mechanical friction at cold temperatures and including a starting battery with a reduced effective capacity at said cold temperatures such that the battery is incapable of turning over said engine for starting, the combination of means providing for the starting of said engine at said cold temperatures including an ignition system for said engine and a battery-operated heating system of internal combustion type for heating said engine and battery, said heating system having electrical air and fuel supply portions, and electrical means for heating said air and fuel to prepare the same for burning, a coil and an electric discharge means in said ignition system, said coil being of a construction to produce an electrical discharge at said discharge means effective to start said engine at the lowest effective capacity of said battery capable of turning over said engine, with the current demand of said electrical portions and electrical heating means being such as to provide for the operation of said heating system when the effective capacity of said battery is below said lowest effective capacity, a control circuit for said heating system including means for boosting the heat output of said electrical heating means at said cold temperatures, and means for projecting heat to said battery and engine, with said heat reducing the mechanical friction of said engine and increasing the effective capacity of said battery to at least said lowest effective capacity.

2,435,278

DERMATOME

George J. Hood, Lawrence, Kans.
Application February 22, 1945, Serial No. 579,196
7 Claims. (Cl. 128-305.5)

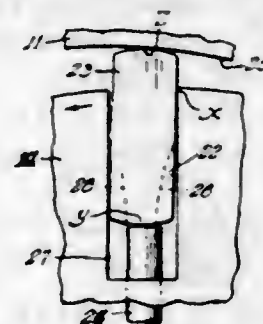


1. A dermatome comprising a holder having a convex surface rockable over and adapted to progressively lift the skin to be excised; a cutting blade; and a frame for supporting the said cutting blade adjacent to the surface of the holder for a cutting movement whereby a graft may be cut progressively as the skin is lifted, said frame comprising spaced abutments for the blade to limit its movement toward the convex surface of the holder when the blade is assembled with the remaining parts of the dermatome.

2,435,279

PUMP, VANE TYPE

Earl F. Hubacker, Highland Park, Mich., assignor to
Borg-Warner Corporation, Chicago, Ill., a
corporation of Illinois
Application October 25, 1943, Serial No. 507,570
2 Claims. (Cl. 103-136)

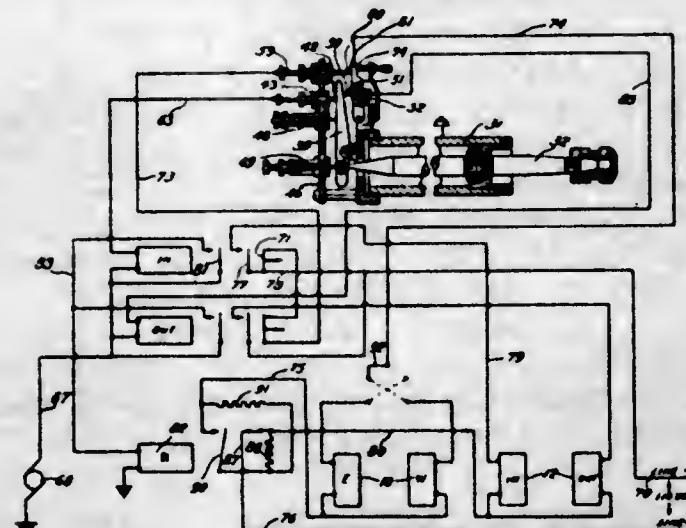


1. A rotary fluid pressure device of the vane-type adapted for rotation in two directions for providing respectively a pump and a motor, said device comprising a cylindrical housing having therein a bore defining a work chamber with cam surfaces; a rotor body rotatable in two directions in said bore; radial guide slots in said rotor having parallel unbroken side walls; and blades operable in said guide slots and having plane side faces converging towards each other in a direction radially outward with respect to the rotor axis whereby during either rotative movement of the rotor a tilting of the blades is effective to engage a tapered face of each blade in flat surface contact with the adjoining slot wall and to effect a clearance space between the other face of the blade and the other wall of the slot; and transverse channels in the radial inner regions of each blade, said channels and said clearance spaces together providing the sole means for conducting pressure fluid from said work chamber to the inner edges of said blades during either direction of rotation of said rotor.

2,435,280

CIRCUITS FOR TRACER CONTROLLED MACHINE TOOLS

Jacob J. Jaeger, West Hartford, Conn., assignor to
Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application June 28, 1943, Serial No. 492,543
4 Claims. (Cl. 192-84)



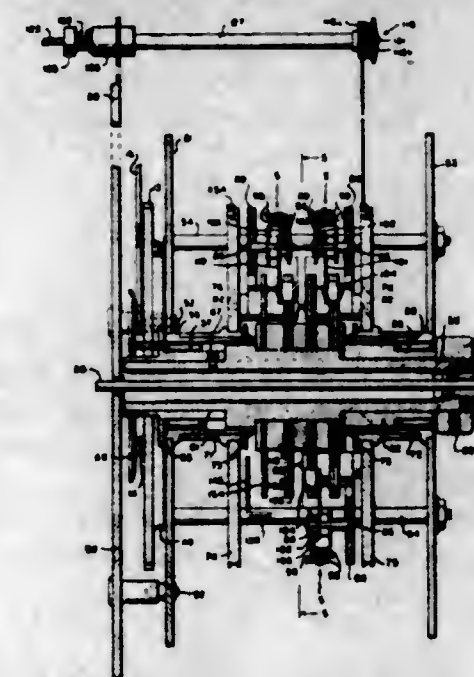
1. In a device controlled by a plurality of electromagnetic clutches, principal electrical means for each of said electromagnetic clutches connected for applying thereto a predetermined initial voltage, individual control means for controlling such application of each of said electrical means, and a single supplemental time delay electrical means connected to both of said principal electrical means adapted to substantially reduce the magnitude of the voltage maintained applied by said one principal electrical means to its clutch a predetermined time after

the application thereto of said initial voltage independent of other conditions, whereby pick-up time and releasing time and overtravel are reduced.

2,435,281

CONTROL INSTRUMENT

Arthur H. Jordan, Norristown, Pa., assignor to
The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 14, 1942, Serial No. 468,925
21 Claims. (Cl. 200-56)

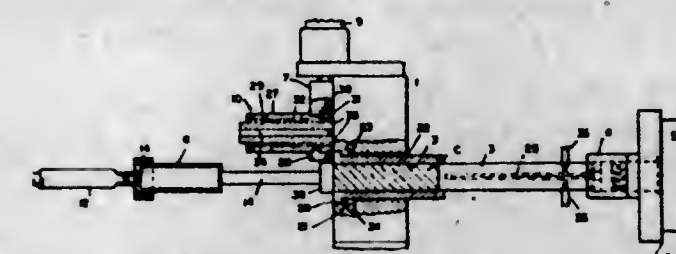


3. In a control instrument, the combination of a frame, a pair of spaced supports carried by said frame, each support having a hollow sleeve attached thereto, a switch supporting member mounted for rotation on each sleeve, a switch and a switch actuating lever carried by each switch supporting member, a part mounted for rotation in said sleeves, a plurality of disc shaped elements each having a depression in its periphery carried by said part, one element for each switch, the sides of said depressions and the periphery of said elements each cooperating with a switch actuating lever to move the same as said elements rotate, and means to rotate said part and the elements carried thereby to various positions.

2,435,282

PROCESS AND APPARATUS FOR EXTRUDING PLASTIC MATERIALS

Nathan Lester, Cleveland Heights, Ohio, assignor to
Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application November 19, 1943, Serial No. 510,937
12 Claims. (Cl. 18-12)



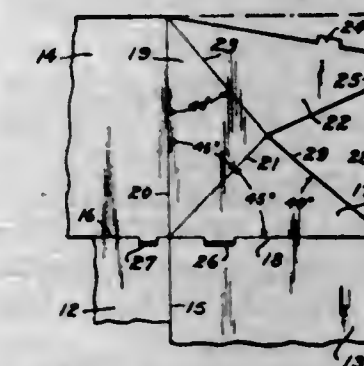
4. Apparatus for extruding plastic materials, comprising a pressure cylinder for receiving the material to be extruded, a die block transversely movable into and out of closing relationship with the end of said cylinder, an elongated forming die carried by said die block, one end of said die being adapted to communicate with said cylinder, and a movable plunger mounted in longitudinal alignment with said die when the latter is in communicating position with said cylinder, said plunger fitting within said die and being entrant therein from its other end.

607 O. G.—7

2,435,283

CARTON

Stephen Lighter, Milwaukee, Wis.
Application November 18, 1944, Serial No. 564,027
6 Claims. (Cl. 229-36)

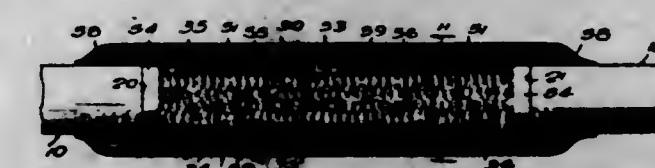


1. A carton formed of a single blank having a bottom and top panel at least one of which is provided with side and end walls foldably connected to the panel and being disposable either perpendicular to or flatly collapsed into the plane of said panel, the adjacent end edges of said side and end walls being foldably interconnected by a set of three approximately triangular corner sections one of which is foldably connected to one of said wall edges and another of which is likewise connected to the other of said wall edges and to said first mentioned section while the third section is foldably connected to said second mentioned section whereby said three sections are foldable from flat position in the plane of said panel into three-ply substantially triangular formation in engagement with one of said walls, and tongues projecting in several directions from said third section and being insertible in slots one formed near the end edge of the wall which is not engaged by the folded corner sections and another formed in said panel adjacent to the other wall so as to firmly hold the three-ply corner section assemblage snugly against said other wall and to lock the walls in upright position, the direct connected edges of the first and second corner sections of the flat blank being disposed at 45° angles with respect to both wall end edges and the other swinging edges of these two sections being disposed at approximately 40° angles relative to the end edges of their supporting walls, and all of said sections and locking tongues being formed from blank stock originally disposed within the corner rectangle.

2,435,284

SPLICE FOR CONDUCTORS AND METHOD OF SPLICING CONDUCTORS

Joseph E. Lodge, Baltimore, Md., assignor to
Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 4, 1943, Serial No. 501,208
9 Claims. (Cl. 174-84)

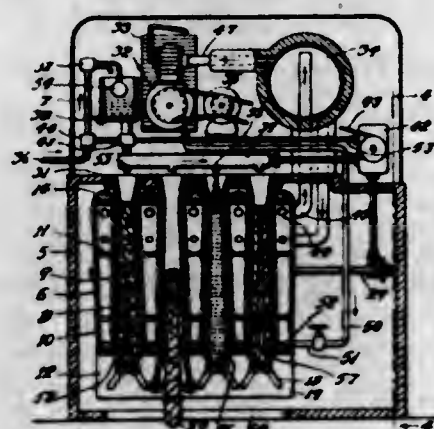


7. A splice for cables, which comprises a pair of cables, each of which has a strain-bearing sheath and at least one insulated conductor enclosed in the strain-bearing sheath, means for electrically connecting the conductor, a strain-bearing braided sleeve positioned over the electrically connected portions of the conductors and extending over the ends of the strain-bearing sheaths, and a continuous lashing wire wound tightly around the entire length of the sleeve

starting at one end thereof and ending at the other end thereof for fastening the strain-bearing braided sleeve mechanically to the ends of the strain-bearing sheaths and for taking all of the slack out of the braided sleeve so that any tensile strain applied to the spliced portion of the cable is borne by the sleeve.

2,435,285 ICE MACHINE

Louis V. Lucia, West Hartford, Conn.
Application March 16, 1944, Serial No. 526,724
11 Claims. (Cl. 62-106)

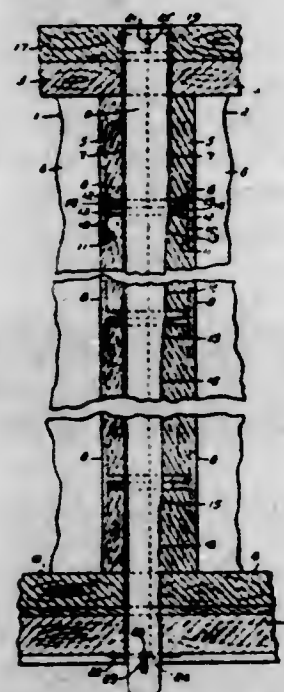


1. In a machine of the character described comprising a freezing compartment for forming a body of ice therein, a member providing a lining for the walls of said compartment, said member including a tubular structure suspended within said compartment and having stretchable walls, parallel separable bottom edge portions on said member projecting below the bottom of said compartment, a thickened portion at each of said bottom edges, and a bar extending through each of said portions; the said thickened portions being adapted to be squeezed together, upon the said bars being drawn together, and thereby providing a watertight seal for the bottom of said member.

2,435,286

PANEL AND CONNECTING MEANS THEREFOR

William E. Manhard, Picton, Ontario, Canada
Application January 5, 1946, Serial No. 639,363
In Canada February 1, 1945
7 Claims. (Cl. 20-4)



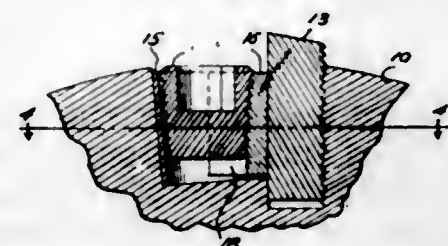
2. Means for clamping together two juxtaposed panels which comprises a series of spaced clamping members anchored in one of said panels, each said member having a leg portion extending out-

wardly from said panel, said other panel having recesses therein to receive the ends of said leg portions, a second series of spaced clamping members anchored in the other of said panels, each of said second series of members having a leg portion extending in overlapping contacting relation with one of said first leg portions, said first panel having recesses therein to receive the ends of said second series of leg portions, said leg portions each having an opening therein, at least a portion of said openings being in registry, the openings of at least one of said series of leg portions being successively smaller in size, and a spline driven through all of said openings and having a plurality of stepped wedging surfaces on one edge thereof each arranged to engage the edge portion of a different one of said openings of successively smaller size.

2,435,287

CUTTING TOOL

Frank P. Miller, deceased, late of Meadville, Pa., by Robert W. Thomas and Florence G. Miller, executors, Meadville, Pa., assignors to Robert W. Thomas, Meadville, Pa.
Application May 12, 1944, Serial No. 535,348
9 Claims. (Cl. 29-105)

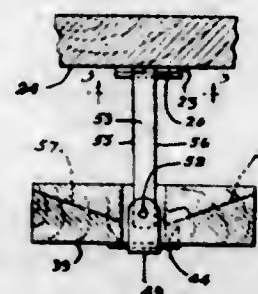


5. The combination of a tool body provided with a blade slot and a recess adjacent to and open to the blade slot, a blade in said slot, a blade clamping unit in said recess comprising a substantially U-shaped member, a shoe bridging the free end portions of the arms of said U-shaped member and having a groove cooperating with the curved portion of said member to form a bore, an actuating element in said bore and operative to move said shoe away from the curved portion of said member into clamping engagement with said blade, and means slidably connecting said member and shoe.

2,435,288

VENETIAN BLIND TILT-BAR SUPPORT

Jules Nisenson, New York, N. Y., assignor to Publix Metal Products, Inc., New York, N. Y., a corporation of New York
Application May 23, 1944, Serial No. 536,993
10 Claims. (Cl. 160-177)

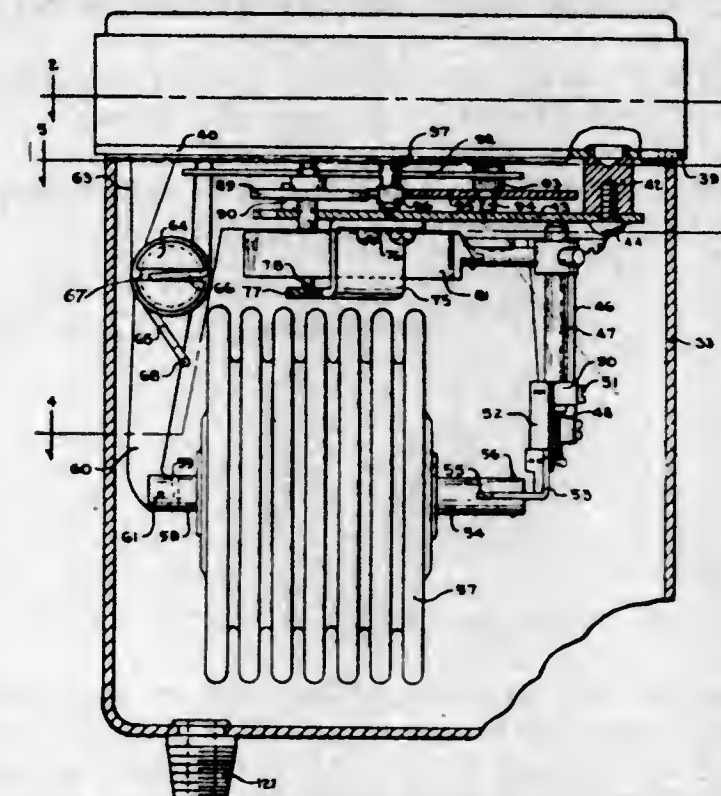


9. Venetian blind construction comprising: a head-bar; a tilt-bar having an orifice therein; a head-bar element secured to the head-bar; a tilt-bar element including a tilt-bar supporting plate and a suspension member pivotally connected to said plate and penetrating said orifice; and means to detachably connect said suspension member to said head-bar element.

2,435,289

ALTIMETER

Estel C. Raney, Delaware County, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application March 5, 1943, Serial No. 478,110
8 Claims. (Cl. 73-387)

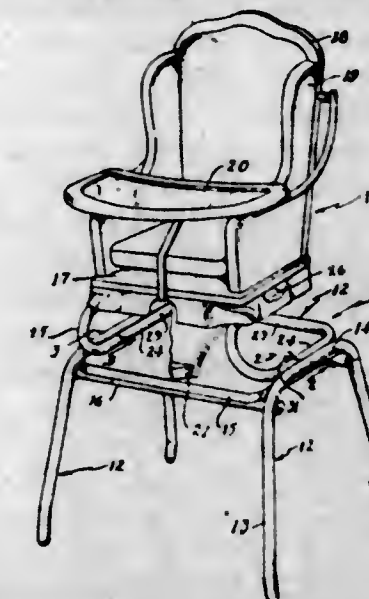


7. In a measuring instrument, in combination, a member having graduated indicia; an index member for the graduated indicia; means for moving one of said members relative to the other, said means including a rotatable element for driving the movable member, means for imparting rotary movement to said rotatable element including an element responsive to changes in a condition, said last element having relatively movable parts, one of said parts being movable in response to changes in said condition and supported by and adapted when moved to impart rotational movement to the rotating element; a pivotally mounted dial; a cam attached to the dial and movable therewith; a cam follower riding on the cam, said cam follower being connected with the other part of the condition responsive device; and means for rotating the dial and cam.

2,435,290

CHILD'S CONVERTIBLE CHAIR TABLE

David I. Scharaga, Mount Vernon, N. Y.
Application June 2, 1947, Serial No. 751,685
3 Claims. (Cl. 155-39)



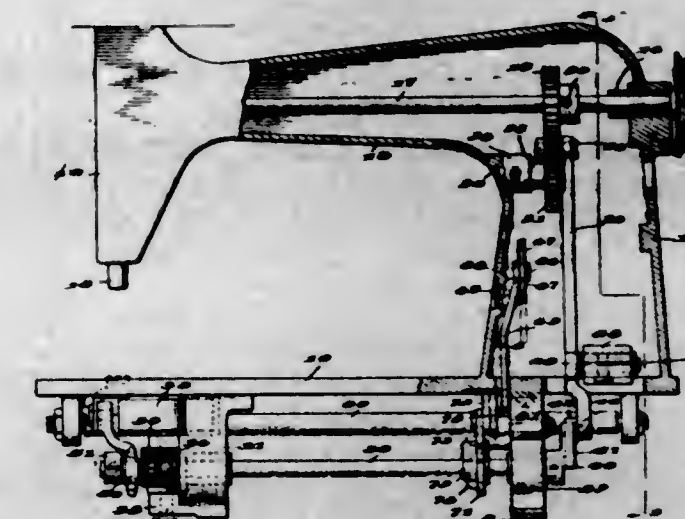
3. An article of furniture comprising a table member consisting of a pair of spaced side supporting elements, a pair of connecting elements therebetween, said side supporting elements including horizontal rails spaced above said con-

necting elements, a table board supported on said connecting elements, the top surface of the table board lying substantially flush with the underside of said horizontal rails, and a chair member having a seat portion and a seat supporting portion including horizontally disposed runners adapted to rest on the said table board and to fit snugly between said rails, each adjacent the inner face of the respective rail, and releasable interengaging means on said runners and said rails for securing the chair member on the said table member.

2,435,291

SEWING MACHINE

Bernard A. Schmitt, Chicago, Ill.
Application August 6, 1945, Serial No. 609,116
9 Claims. (Cl. 112-210)



1. In a household type sewing machine, in combination, a bed plate, a standard, an arm and a needle-bar supporting head, a main shaft extending through the standard and arm into the head, a rotary hook drive shaft extending beneath the bed plate parallel to the main shaft, means to drive said hook drive shaft with a one-to-one ratio from the main shaft, an oscillatable feed shaft substantially parallel to the hook drive shaft, a cam on the hook drive shaft, a connecting rod having straight, opposed follower surfaces engaging said cam in planes parallel to the axis of the rod, means pivoting the opposite end of said rod to an arm on said feed shaft, an eccentric on said hook drive shaft, a feed dog carrier having a fork at one end engageable with said eccentric and having the opposite end pivoted to an arm on said feed shaft, a link pivoted to said connecting rod near one of said follower surfaces, a fulcrum for the opposite end of said link and means to adjust the position of said fulcrum to vary the amount of axial movement imparted to said rod by said cam.

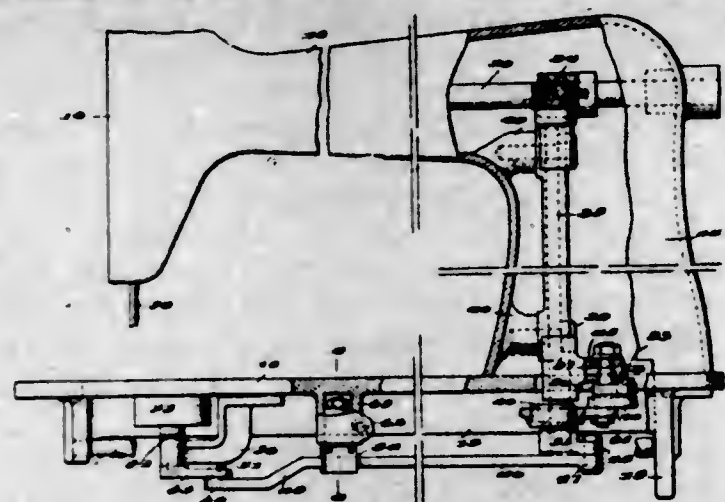
2,435,292

SEWING MACHINE

Bernard A. Schmitt, Chicago, Ill.
Application November 14, 1945, Serial No. 628,561
8 Claims. (Cl. 112-191)

1. In a household type sewing machine, in combination, a bed plate, a standard thereon, an arm extending from the standard and supporting a head, a rotary main shaft extending through the standard and arm and into the head, a vertical shaft journaled for rotation in the standard, one-to-one ratio gears driving the vertical from the main shaft, a shuttle shaft journaled for rotation about a vertical axis beneath the bed plate, a crank on the vertical shaft beneath the bed plate, a crank on the shuttle shaft, a

slide on one of said cranks, a connecting rod pivoted to one of the cranks and to said slide, an

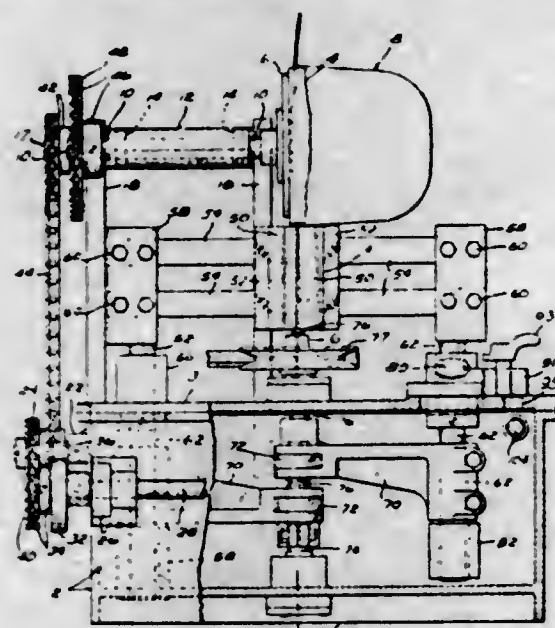


intermediate guide fulcrum for said rod, and means pivoting said guide beneath said bed plate.

2,435,293

BRIM POUNCING MACHINE AND METHOD OF POUNCING

Paul Schultze, Danbury, Conn., assignor to Doran Brothers Incorporated, Danbury, Conn.
Application April 12, 1944, Serial No. 530,596
21 Claims. (Cl. 223-20)



1. In hat-making apparatus, a pouncing tool comprising, a flexible metallic pad member presenting a substantially rectangular pad face supported at the sides of the face by integral spring portions which are held together in a zone behind the central portion of the pad member, and flexible arm means connected to said pad member at one extremity and adapted to be oscillated from the other extremity, whereby the oscillation causes a whipping vibratory movement of the pad member.

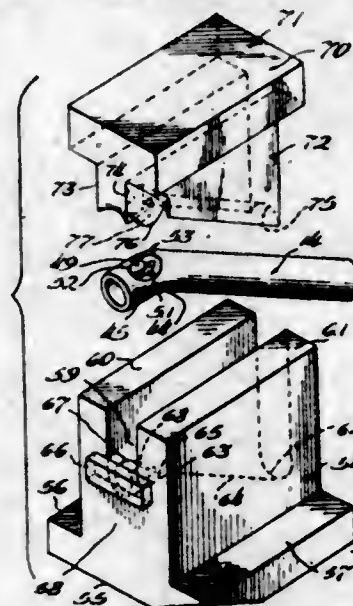
2,435,294

DIE FOR SLOTTING AND SHAPING BICYCLE TRUSS TUBE ENDS

Frank W. Schwinn, Chicago, Ill.
Original application November 19, 1943, Serial No. 510,876. Divided and this application May 3, 1945, Serial No. 591,798
2 Claims. (Cl. 153-2)

1. A die assembly for making truss tubes comprising, in combination, a female die member having a groove of a size and shape to fit and provide support for substantially half of the periphery of a tube, said female die also having at one end of said groove a mandrel carried by the female die and of a shape and size to fit into and support the end of said tube, the inner end of said mandrel having a partially cylindrical concave surface with the axis of the cylindrical surface transverse

to the axis of the groove, and a male die member having a base portion and a projecting flange portion of a size to fit and be received by said groove in the female die, said flange portion having thereon near one end a partially cylindrical formation extending transversely of the longitudinal axis of the flange portion and projecting outwardly from a longitudinally extending arcuate



groove in the tube-engaging end of said flange portion, whereby engagement of said dies with the tube provides the tube with a transverse groove adjacent one end, said flange portion of the male die also having thereon a cutting member extending longitudinally of the flange portion and projecting therefrom to cut a slot in the wall of the tube at said transverse groove prior to and during the formation of the transverse groove.

2,435,295

PREPARATION OF THIOCARBANILIDE AND ITS HOMOLOGS

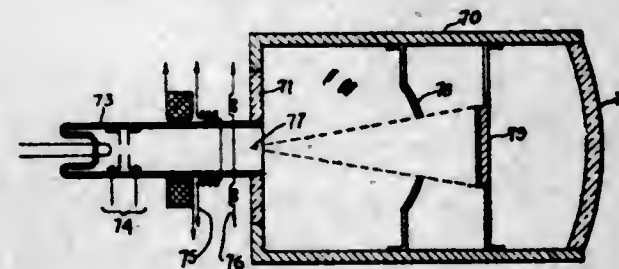
Henry L. Stasse, Hawthorne, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application May 18, 1945, Serial No. 594,492
9 Claims. (Cl. 260-552)

1. A process for the production of a member of the group consisting of thiocarbamilide and its methyl homologs which comprises reacting a member of the group consisting of aniline and toluidines with carbon disulfide in the presence of organic bases containing the pyridine nucleus boiling within the range of 150° to 210° C.

2,435,296

CATHODE-RAY TUBE PROJECTOR

Constantin S. Szegho, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application December 23, 1944, Serial No. 569,501, which is a division of application Serial No. 442,835, May 13, 1942. Divided and this application November 29, 1945, Serial No. 631,707
2 Claims. (Cl. 250-164)



1. In combination, a fluorescent surface, a support of conducting material therefor, an electron gun for exciting said surface, a first mirror for reflecting light emanating and emerging from said surface, a second mirror for reflecting light

reflected by the first mirror, a correcting plate in the path of the light rays reflected by the second mirror, and an evacuated chamber enclosing said gun, surface and first mirror and the wall of which is partly made up of said second mirror and plate.

2,435,297

DISPENSER FOR MATCHES AND THE LIKE

Loren Thomas and Ladford Bell,
Port Huron, Mich.
Application March 5, 1947, Serial No. 732,423
1 Claim. (Cl. 312-84)



A device of the character described comprising an upright container whose rear wall and side walls are stationary and whose front and top walls are formed as a rectangular lid which is pivotally connected to the lower portions of the side walls, a drum having a longitudinally grooved periphery and being rotatably arranged in the lower portion of said container and connected to knobs which are outside of said side walls, a block being secured to said rear wall adjacent said drum and having a wedge-shaped lower portion and an outwardly bulged upper portion into which extends an inclined slot which is in alignment with the inclined outer surface of said wedge-shaped portion, a plate having a rearwardly rolled lower edge portion and being vertically slidable on the inclined surface of said block and adapted to rest normally against said drum, and a downwardly inclined slide having an upwardly curved lower portion and being secured to and protruding over the lower section of said container adjacent said drum and extending within said container up to the juncture of said block and said rear wall, the width of said drum, said block and said plate being slightly less than the distance between the inner sides of said side walls, all substantially as described.

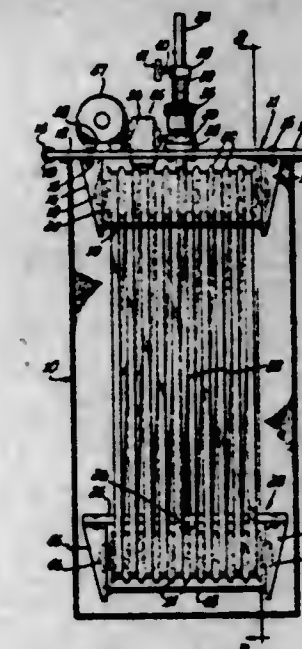
2,435,298

PORTABLE FILM RACK

John F. Van Leuven, Pacific Palisades, Calif.
Application July 1, 1944, Serial No. 543,073
3 Claims. (Cl. 271-2.3)

1. In a portable film processing unit the combination of: an upper frame adapted for resting upon a tank; a plurality of film carrying spools freely rotatably mounted in said frame, a lower frame, a plurality of film carrying spools freely rotatably mounted in said lower frame, connecting means between the upper and lower frames, said connecting means comprising a rod secured at its lower end to said lower frame and freely extending through the upper frame; a fitting secured to the upper frame slidably receiving said rod; a lower collar on said rod seated on the up-

per face of the fitting, a cap on said fitting retaining said collar thereon, an upper collar on said rod spaced apart from said lower collar, a coiled tension spring having its ends secured in

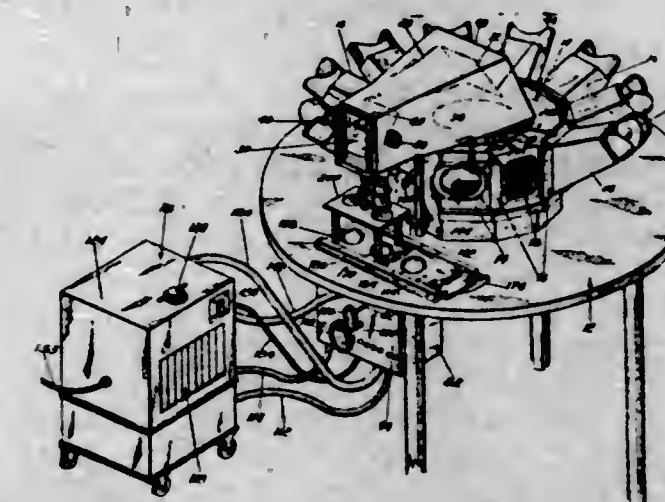


said collars, means on said collars engageable with said rod to selectively fix said collars to said rod, and means mounted in the fitting engageable with said rod to prevent rotation of the said rod.

2,435,299

MICROSCOPE PROJECTING AND VIEWING APPARATUS

Edwin C. Weiskopf, New York, N. Y.
Application December 27, 1943, Serial No. 515,736
7 Claims. (Cl. 88-24)



1. In apparatus which comprises a viewing chamber provided with a plurality of viewing openings, and means for transmitting a beam of light from a magnifying instrument into said chamber, said means including means forming a passage for said light and reflecting means for reflecting the light from said passage into said chamber through an opening between said passage and said chamber, said passage being provided with a light-entrance opening for the beam of light from said magnifying device, means for projecting light through the magnifying device comprising a high-power mercury-vapor tubular lamp, and means for mounting said tubular lamp in horizontal position transversely of the optical axis of the magnifying device and in vertical alignment with the optical axis of the lens system of said magnifying device.

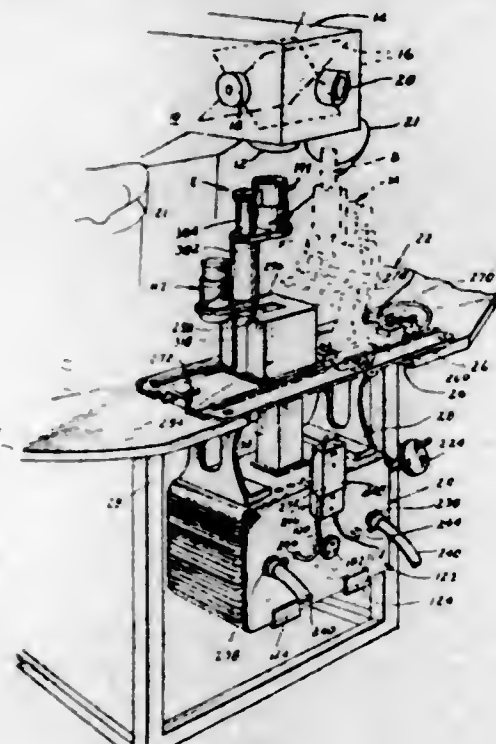
2,435,300

PROJECTOR FOR MICROSCOPES AND OTHER MAGNIFYING DEVICES

Edwin C. Weiskopf, New York, N. Y.
Application June 2, 1945, Serial No. 597,286
12 Claims. (Cl. 240-2)

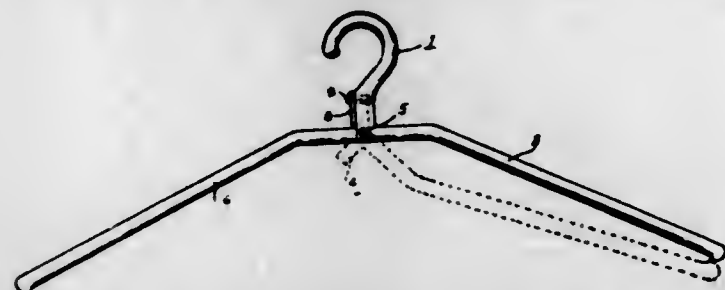
4. In a light projector for a microscope and for a different magnifying device, a horizontal

support provided with a longitudinal guide for said microscope and said magnifying device, a vertical light tube having its outlet end positioned between the opposite ends of said guide for registering either with the lens system of the micro-



scope or with the lens system of said different magnifying device, a lamp housing having a light-outlet in light-transmitting relation to said light tube for the passage of light from said housing through said light tube.

2,435,301
COLLAPSIBLE COAT HANGER
Norman Langley Wingate, Albany, Ga.
Application November 20, 1945, Serial No. 629,761
2 Claims. (Cl. 223-94)

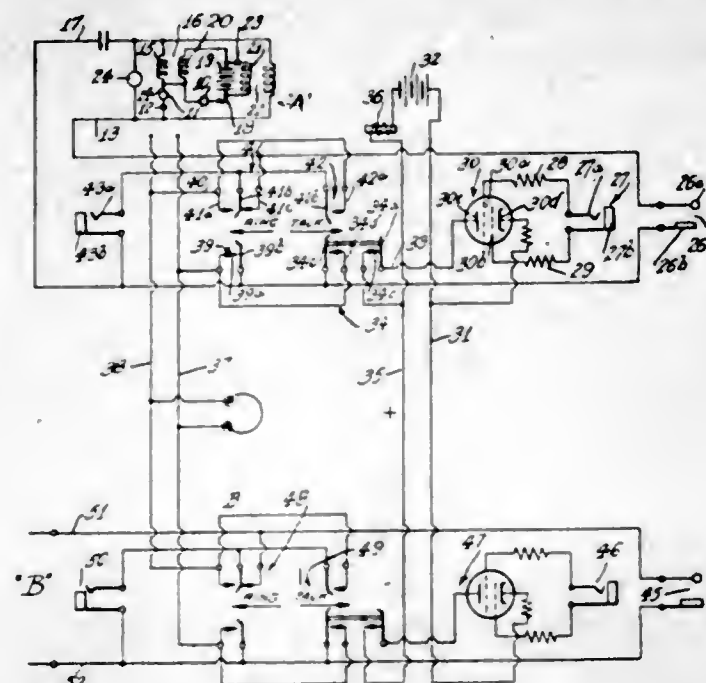


1. A collapsible coat hanger comprising a hook member provided with a shank, a first arm extending from one side of the shank of said member and secured to the shank, a slot formed in an end face of the shank of said hook member, a second arm extending from the opposite side of the shank of the hook member, a lug carried by the inner-end of said second arm, said lug being arranged within said slot and mounted for pivotal movement about a horizontal axis, and detent means embodying a member on said shank movable toward and away from said slot for releasably retaining said lug in said slot.

2,435,302
TELEPHONE SYSTEM HAVING A CALLING AND SUPERVISORY SIGNALING DEVICE
Don H. Young, Valley Stream, and Frank R. Mallalieu, Forest Hills, N. Y., assignors to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application April 3, 1946, Serial No. 659,230
8 Claims. (Cl. 179-75)

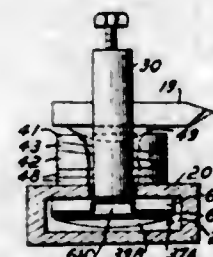
1. In a local battery telephone system, the combination of at least two, two wire telephone

lines, telephone sets connected to said lines, a switchboard, a glow tube at the switchboard corresponding to each of said telephone lines, each tube having a cathode, a plate and a pair of grids, a switchboard operator's telephone set at said switchboard, means connecting the wires of each telephone line to different grids of its corresponding glow tube, means for applying a potential to said cathode and plate of each tube insufficient to cause said tubes to glow but suf-



ficient to maintain said tubes glowing upon energization of said grids, means at the telephone set connected to each line for applying a potential to said lines sufficient to energize said grids of the corresponding tube and cause said tube to glow, and a switching means for connecting said operator's telephone set to a telephone line and simultaneously removing the potential from the plate and cathode of the tube corresponding to the line to which the operator's set is connected.

2,435,303
TOOL POST ASSEMBLY FOR MACHINE TOOLS
Roy L. Dorn, Riverdale, Calif.
Application October 10, 1944, Serial No. 558,006
4 Claims. (Cl. 82-37)



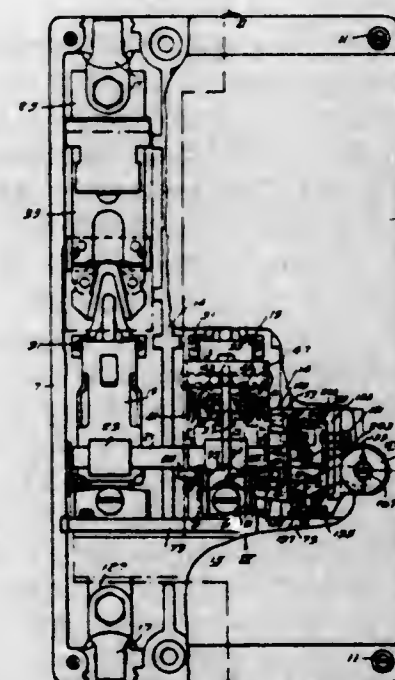
1. In a device of the character described, a tool post adapted for anchoring a tool holder thereon, the tool post having a base attached thereto, the base having the under surface curved both laterally and longitudinally, the upper face of the base being curved in one direction only; an independent block having the under surface curved to neatly fit the upper surface of the base and adapted to slide thereon; the upper surface of said first independent block being curved with the diameter of the curve at right angles to the diameter of the under curve of the first independent block, a rectangular key extending across the upper face of the first independent block at right angles to the diameter of the curve of the upper face of the first independent block; a second independent block approximately rectangular in form having a curved surface on the under face adapted to fit on to,

and to slide on the upper face of the first independent block, and a key way on the under side of the second independent block adapted when assembled with the first independent block to receive the key on the first independent block, holes through the first independent block and the second independent block adapted for the tool post to loosely pass therethrough, the device having a tool post support the support having an inverted T slot therein, adapted for the tool post base, the first independent block and the second independent block when assembled together to pass within said inverted T-slot, the assembled base, the first independent block and the second independent block when within the slot being adapted to permit the post to lean within a limited degree in any direction from the vertical.

2,435,304
METHOD FOR RECOVERING CHROMIUM VALUES FROM ORES
Charles V. Foerster, Canton, and Arthur T. Cape, Columbus, Ohio, assignors to Coast Reduction, Inc., Watsonville, Calif., a corporation of Delaware
No Drawing. Application May 11, 1944,
Serial No. 535,196
17 Claims. (Cl. 23-56)

1. The method of recovering metal values from ores of the Mayari type, which comprises roasting a mixture of the ore and an alkali metal compound of the group consisting of the hydroxide, carbonate and bicarbonate of sodium and potassium, leaching the mixture with cold water so as to remove silica, manganese and alumina values therefrom, and then leaching the residue with hot water so as to remove chromium values.

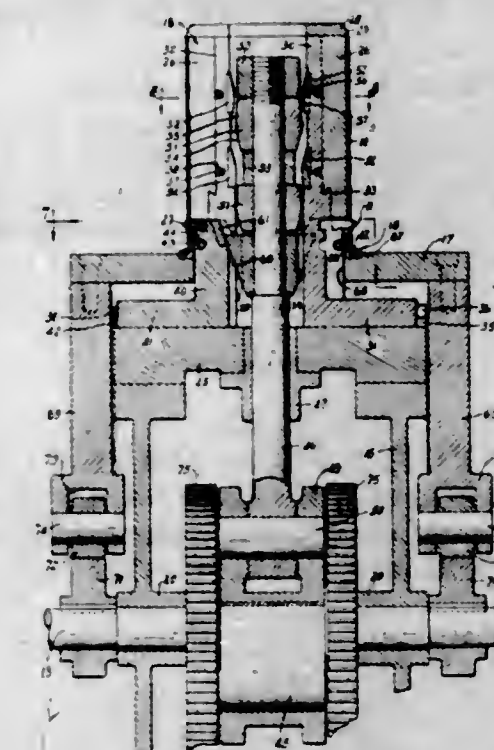
2,435,305
CIRCUIT BREAKER
George G. Grissinger, Wilkinsburg, Ture Lindstrom, Edgewood, and Jerome Sandin, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 18, 1941, Serial No. 415,616
25 Claims. (Cl. 200-109)



1. In a circuit breaker, a base, relatively movable contacts, an operating member movable to an open and to a closed position for opening and closing said contacts, a member releasable to cause opening of said contacts irrespective of the position of the operating member, said elements being mounted on said base, and a locking

element mounted on said base and movable transversely of the direction of movement of the operating member and the releasable member and into the path of opening movement of said operating member and said releasable member to prevent opening movement of said operating member and to prevent release of the releasable member.

2,435,306
EXPANDING DIE FOR SIZING, CURLING, AND BEADING METAL DRUMS
Carl C. Grotnes, Park Ridge, Ill.
Application December 20, 1945, Serial No. 636,204
13 Claims. (Cl. 153-2)



2. In a machine of the class described, in combination, a sizing die comprising a plurality of axially elongated die elements arranged in a circular series and supported for radial movement, means carried by said die elements forming a radially projecting abutment at one end of the die, means normally holding said die blocks in a retracted position to condition the die for receiving a sheet metal shell to be operated on, and actuating means for said sizing die including a member movable axially of the series of die elements and operative in one portion of its movement to shift the die elements outwardly for expanding the shell to predetermined size and operative in another portion of its movement to permit limited retraction of the die elements whereby to release the shell therefrom while maintaining said abutment in position for engagement with the end of the shell.

6. In a machine of the class described, in combination, a frame, a die head mounted on said frame with one end unobstructed to facilitate the placement of a sheet metal shell thereon, said die head including independently operable sizing and beading dies, an edge curling die supported on said frame adjacent the other end of said die head for movement axially thereof against the end of the shell, retractable abutment means carried by said head for holding the shell against endwise movement during the operation of said curling die, and means for actuating said dies and said abutment means in predetermined timed relation to first expand the shell to predetermined size, to curl one edge of the shell, to form a circumferential bead therein, and finally to release the shell for removal from the machine.

11. In a machine of the class described, in combination, an annularly arranged set of sizing die elements, an annularly arranged set of bead ex-

panding die elements disposed in axial alinement with said sizing die elements, a member for supporting each die element, and a single supporting plate for directly supporting and guiding said members for independent radial movement.

2,435,307

METAL-PHTHALOCYANINES CONTAINING HALO-METHYL GROUPS AND PROCESS OF PREPARING SAME

Norman Hulton Haddock and Clifford Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 12, 1946, Serial No. 653,956. In Great Britain November 17, 1944

11 Claims. (Cl. 260—314.5)

1. A phthalocyanine compound of the general formula $Q-(CH_2X)_n$, wherein Q is the radical resulting from the removal of n hydrogen atoms from the phenylene nuclei of a metal-phthalocyanine, X stands for a halogen atom of the group consisting of Cl and Br, and n is a numeral not less than 1.

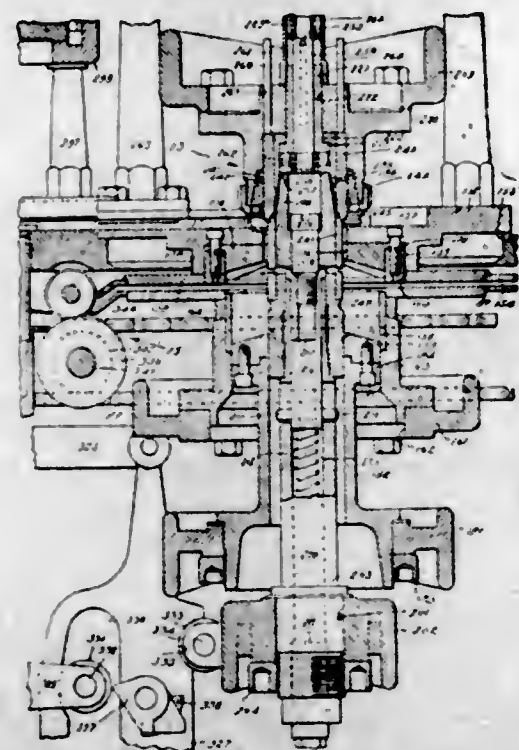
2,435,308

MACHINE FOR MAKING PAPER CUPS

Leo M. Harvey, La Canada, Calif.

Application December 17, 1942, Serial No. 469,306

15 Claims. (Cl. 93—60)



6. In a die mechanism of the character described, a pair of die parts moved toward each other to form a cup, a pair of sleeves for forming a bead on the cup, one sleeve being shiftably related to each die part, and friction means normally resisting movement of one sleeve relative to its related die part.

2,435,309

MECHANISM FOR BLANKING MATERIAL FOR CUPS OR THE LIKE

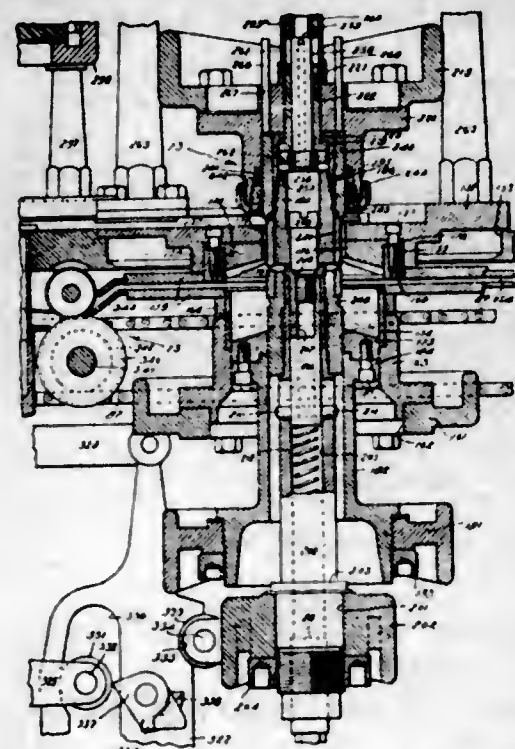
Leo M. Harvey, La Canada, Calif.

Original application December 17, 1942, Serial No. 469,306. Divided and this application March 23, 1944, Serial No. 528,385

14 Claims. (Cl. 164—22)

1. In a mechanism of the character described a crank shaft, a roller for feeding a strip of material horizontally above the shaft, means operated by the throw of the crank shaft for intermittently operating the roller, a die operable to cut blanks from the strip of material, and means

operated by the shaft for actuating the die while the roller is at rest including a crosshead carrying



a die part and a cam operated by the shaft for operating the crosshead.

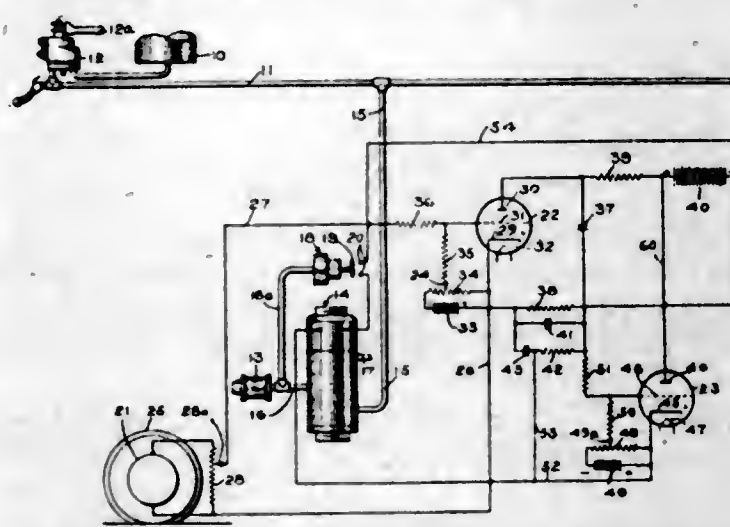
2,435,310

ELECTRONIC BRAKE CONTROL APPARATUS

Claude M. Hines, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 26, 1944, Serial No. 560,390

8 Claims. (Cl. 303—21)



1. A control system for controlling rotation of a rotary member comprising an alternating current generator driven by said rotary member and having a frequency of output voltage substantially proportional to the rotative speed of the rotary member, a resistor, a condenser, a source of direct-current voltage, an electron discharge device so constructed and arranged as to cause said condenser to be alternately charged by said direct current source and discharged through said resistor repeatedly at a frequency corresponding to the frequency of the output voltage of said generator thereby to establish a voltage drop across said resistor substantially proportional to the rotational speed of the rotary member, and means controlled by variation in the voltage drop across said resistor for controlling the rotation of the rotary member.

2,435,311

GARTER BELT

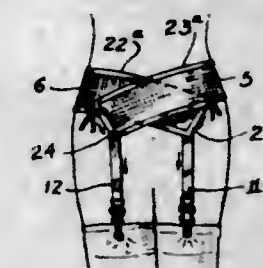
Geraldine M. Kimmell, Pasadena, Calif.

Application August 7, 1945, Serial No. 609,382

5 Claims. (Cl. 2—315)

1. A wrap-around garter belt, comprising a band, a rear right and a rear left garter posi-

tioned intermediate the ends of the band extending beyond the rear garters, front left and front right garters attached to the lower corners of the band, one garter at each end of said band, fastening means positioned at each of the corners opposite each of said front garters, said right front and left front garters being spaced from each other upon said belt to be positioned respectively close to the right and left hips of the wearer when the garter belt is in position, fasten-



ing means positioned near the lower edge of the band intermediate the left front and the rear right garter and adapted to enter into fastening engagement with the fastening means positioned at the end of the band upon which the right front garter is attached, and additional fastening elements positioned intermediate the rear left garter and the front right garter and adapted to enter into fastening engagement with the fastening means positioned at the end of the band upon which the right front garter is attached.

2,435,312

SOLVENT FOR DEGREASING IRON AND ALUMINUM

Walter Klabunde, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 24, 1945,

Serial No. 612,548

2 Claims. (Cl. 252—172)

1. A solvent for degreasing iron and aluminum comprising trichlorethylene containing, as stabilizer against condensation reactions of trichlorethylene catalyzed by said metals, 0.02 to 1% by weight of diisobutylene.

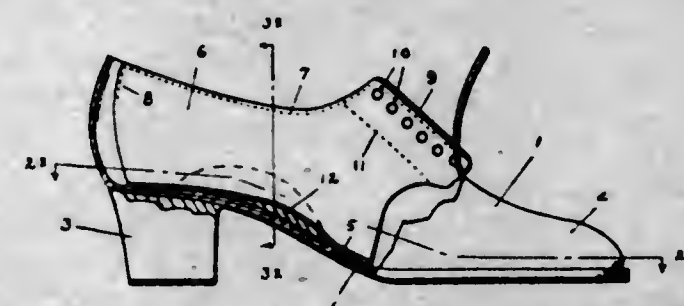
2,435,313

SPECIAL LINING FOR SHOES FORMING PRESCRIPTION POCKETS

Richard E. Knowles, Rochester, N. Y., assignor to W. B. Coon Company, Rochester, N. Y., a corporation of New York

Application January 29, 1945, Serial No. 575,068

2 Claims. (Cl. 36—8.5)



1. In a shoe having an upper, a sole and an insole and extra lining fastened at its top to one side of the shoe on the inside of the shoe by a row of stitches placed above the bottom of the shoe, said lining extending around the quarter lining from the lace holes of the shoe to the heel portion of the shoe said lining being left loose at the bottom and extending half way over the insole of the shoe and being capable of being lifted away from the insole.

2,435,314

METHOD OF NITRATING ORGANIC COMPOUNDS

Vaman B. Kokatnur, New York, N. Y., assignor to Antoxygen, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 5, 1940,

Serial No. 368,614

4 Claims. (Cl. 260—467)

1. The process of nitrating an organic volatile nitratable compound capable of forming an azeotrope with water, consisting of the steps of mixing an excess of said compound with nitric acid, heating to cause the excess of said compound to vaporize jointly with water at approximately the temperature of the desired reaction, and removing the vapors thus produced from the reaction mixture.

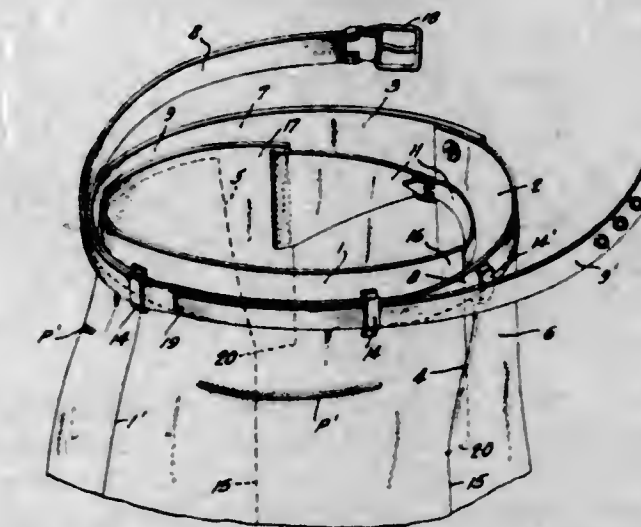
2,435,315

ADJUSTABLE WAISTBAND

Samuel Kreps, New York, N. Y.

Application January 25, 1946, Serial No. 643,356

2 Claims. (Cl. 2—237)



1. A garment embodying an adjustable waist comprising a rear portion and a front portion sewed together at the sides with seams terminating a substantial distance below the waistline, a forwardly disposed extension on each side of the rear portion above each seam, a frontal part on each side of the front portion overlapping the respective adjoining extension of the rear portion to obtain an adjustment of the waist dimension in dependence upon the extent of overlap of said frontal parts over said extensions, and a belt member connected to each frontal part passing rearwardly over and around the rear portion and to the front of the garment for providing a convenient adjustment at the front of the garment for the extent of overlap of said movable frontal parts over said rear portion and extensions thereof.

2,435,316

OPTICAL FOCUSING MEANS FOR IMAGE TRANSLATING DEVICES

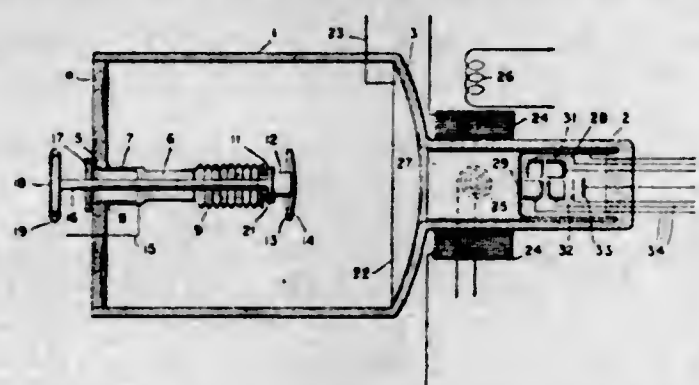
Christian C. Larson, Fort Wayne, Ind., assignor, by means assignments, to Farnsworth Research Corporation, a corporation of Indiana

Application November 1, 1943, Serial No. 508,545

5 Claims. (Cl. 250—164)

1. In an image translating device, an evacuated envelope having a light refractive transparent window, a reflecting member in said envelope facing said window, a threaded stud supported by said window, a gas-tight flexible tubing having one end fixed relative to said window, an energy translating member mounted on said flexible tubing and facing said reflecting member, and a threaded rod operatively engaging said threaded stud and engaged with said flexible

tubing, one end of said rod being exterior of said envelope for operation to alter the spacing be-

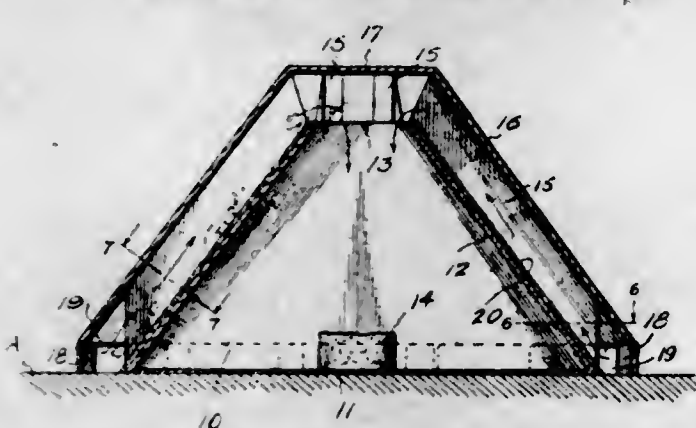


tween said energy translating member and said reflecting surface.

2,435,317

INSECT TRAP

Edward N. McGrew, Fort Smith, Ark.
Application October 20, 1943, Serial No. 507,034
1 Claim. (Cl. 43-121)



A trap of the class described comprising an inner container in the shape of a frustrum of a cone having a restricted opening in the top thereof and a closed horizontal bottom, the container being adapted to contain a bait, ribs formed upon the outer face of the inner container and extending from the bottom to the opening formed in the top of the container, each rib having a vertical wall at its lower ends extending substantially at right angles to said horizontal bottom, a removable cover enclosing the container resting upon said ribs and having a top overlying and spaced from the opening formed in the top of the container, the space between the ribs constituting upwardly inclined runways leading from the bottom of the container to the top opening thereof, the cover having an open lower end extending beyond the vertical walls of the ribs thereby providing an unobstructed shielded runway entirely around the bottom of the container communicating with the lower ends of the upwardly inclined runways, and depending spaced tongues supporting the lower edge of the cover and spaced from the lower edge of the bottom and spaced from the vertical walls of the ribs, the spaced tongues defining entrance openings to the runway.

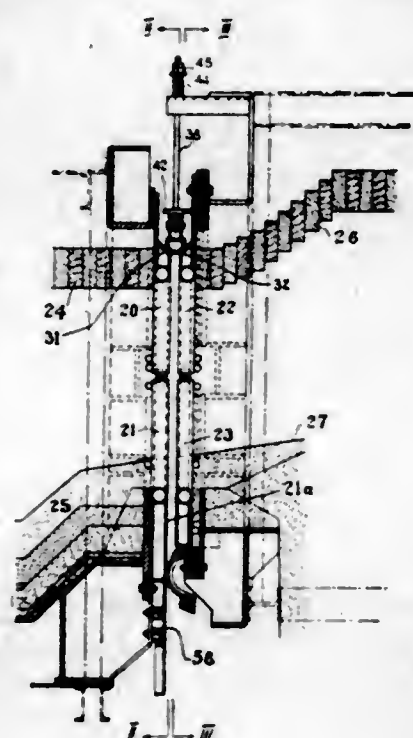
2,435,318

WATER-COOLED PORT STRUCTURE FOR TILTING HEARTH FURNACES

Harry L. McFeaters, New Castle, Pa., assignor to Pennsylvania Engineering Works, a corporation of Pennsylvania
Application May 16, 1945, Serial No. 593,991
22 Claims. (Cl. 263-44)

3. In combination with the water cooled end structures of two adjacent, horizontally spaced furnace ports, one of which is rotatable and one stationary, ledges on such structures, spaced one from the other leaving a clearance gap there-

between, a water cooled device supported on such ledges and bridging the top and side portions of such gap, means carried by the stationary struc-

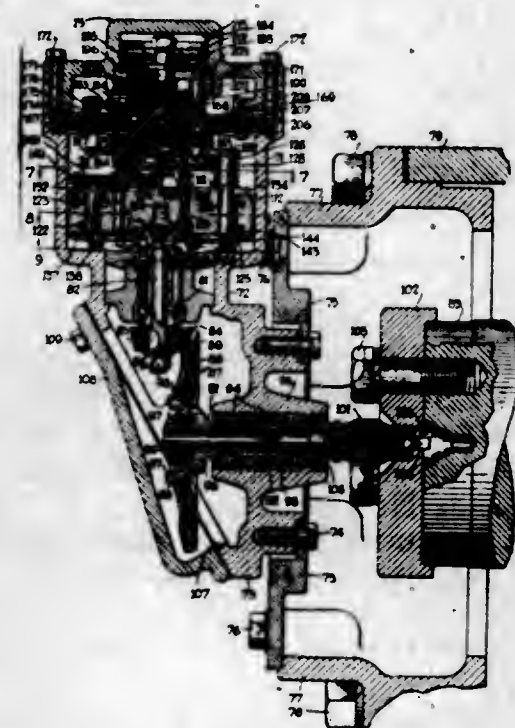


ture for yieldingly holding such device in place, and pivoted means closing the bottom portion of the space between such end structures.

2,435,319

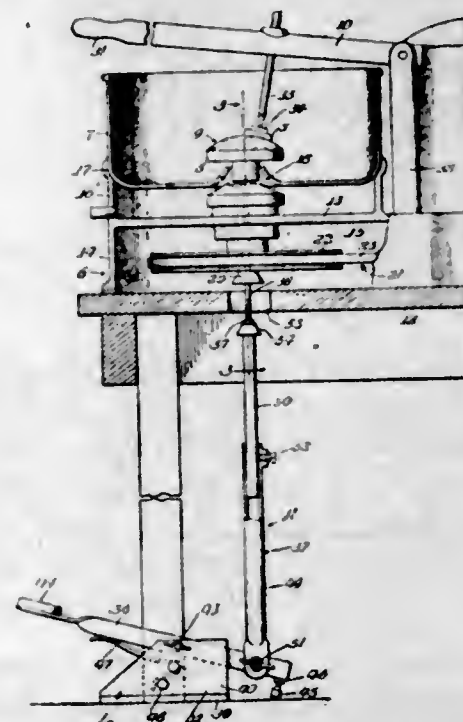
INERTIA OPERATED CONTROL DEVICE

Joseph C. McCune, Edgewood, and George K. Newell, Pitcairn, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 28, 1942, Serial No. 467,236
10 Claims. (Cl. 200-52)



1. A rotary inertia device comprising a rotary member, a fly-wheel, means associating said fly-wheel and said rotary member in a manner to cause the fly-wheel to be driven according to the rotation of the rotary member and in such a manner that said fly-wheel shifts rotatively out of a certain position relative to said rotary member in accordance with the rate of change of speed of said member, control means operatively responsive to the rotational movement of the fly-wheel with respect to the rotary member, and means for locking said fly-wheel in its said certain position with respect to the rotary member to prevent the undesired operation of said control means.

2,435,320

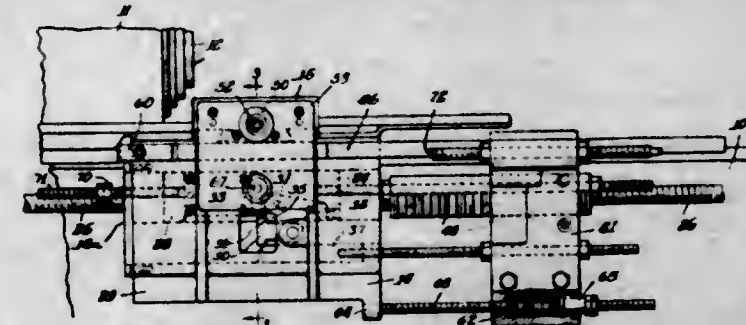
EYEGLASS LENS GRINDING APPARATUS
Leopold H. Metzger and Wilson B. Muse, Chicago, Ill., assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill., a corporation of Illinois
Application May 1, 1946, Serial No. 666,314
11 Claims. (Cl. 51-134.5)

1. In a lens grinding apparatus of the type that comprises an upstanding rotatably mounted spindle with driving means therefor, and a horizontal grinding wheel having a hub part shaped to slide into interfitting relation with the upper end of the spindle when the wheel is shifted downwards toward the spindle and adapted when in such relation to connect the wheel for frictional drive by said spindle, a device designed for use in disconnecting the wheel from the spindle after a lens grinding operation and embodying a lever located beneath the spindle and mounted and arranged so as to swing to a limited extent back and forth in a vertical plane, and an elongated upstanding member having the lower end thereof pivotally connected to the lever and its upper end disposed adjacent the spindle, adapted when the lever is swung to its fullest extent in one direction to raise the wheel to a small extent with respect to the spindle and effect breaking of the frictional drive between the wheel hub part and the spindle, and comprising a pair of telescopically arranged sections connected together so that they are adjustable longitudinally one relative to the other in order to vary the operative length of the member.

2,435,321

MACHINE TOOL

Sexten P. F. Ogren, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application December 23, 1944, Serial No. 569,531
11 Claims. (Cl. 82-21)



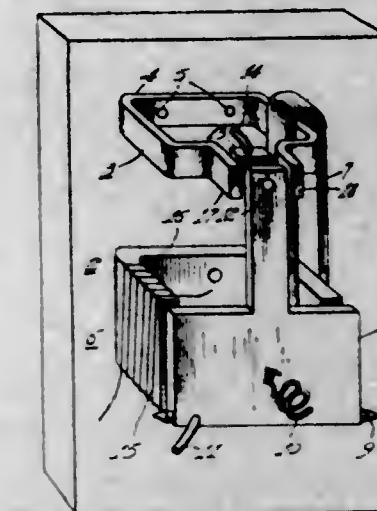
1. In a machine tool having a bed, a carriage reciprocally mounted on the bed, a cross slide on the carriage, a reversible driving member common to the cross slide and carriage, a driving connection from said member to the carriage, in-

cluding a traveler movable longitudinally of the bed, a block carried by said traveler and mounted for limited movement thereon, said block having a shoulder, a dog movably mounted on the carriage and formed to engage the shoulder of the block for driving the carriage forward, a fixed guide bar slidably contacting the dog to maintain its engagement with the block, said dog riding off the main guide surface of said bar and thus becoming disengaged from the block and terminating the forward travel of the carriage before termination of the forward movement of said traveler, and means actuated by the traveler to effect the transverse feeding movement of the cross slide after completion of the forward travel of the carriage, the reversal of the traveler causing said limited relative movement of the block and permitting the dog to ride in reverse direction along a surface of the guide bar to control an initial reversal of the carriage to provide tool relief during return travel of the cross slide resulting from the reversal of the traveler.

2,435,322

CIRCUIT INTERRUPTER

John C. Ponstingl, Wilkensburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 29, 1945, Serial No. 585,461
10 Claims. (Cl. 200-87)

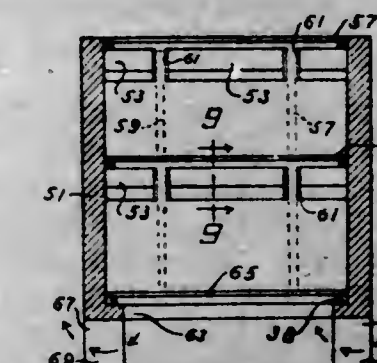


6. In a direct-current circuit interrupter, a relatively stationary contact, a movable contact separable from the stationary contact to establish an arc, an operating magnet including a movable armature carrying the movable contact, an operating coil for setting up magnetic flux in the operating magnet to thereby cause closure of the contacts, a blowout magnet for assisting in the extinction of the arc, and current conducting means coupling the operating magnet with the blowout magnet to induce magnetic flux in the blowout magnet upon a change of magnetic flux in the operating magnet.

2,435,323

OUTDOOR CONVERTIBLE GRILL OR STOVE

Stanley A. Pospisil, Miami, Fla.
Application October 6, 1944, Serial No. 557,502
3 Claims. (Cl. 126-25)



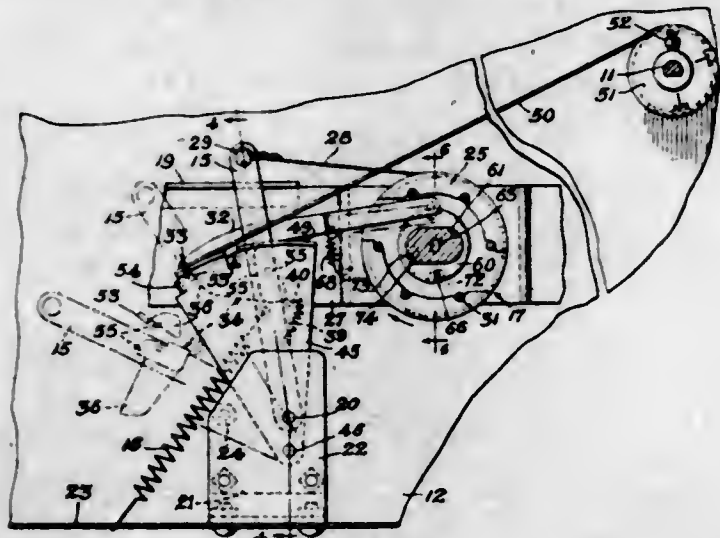
1. In a housing for a convertible barbecue grill or stove, a heat resisting grill housing having a

front wall and a back wall joined by two side walls forming a substantially rectangular enclosure open at the top and bottom, an open area in said front wall, grate support means extending from the inner surfaces of the front and back walls at various levels for supporting grates horizontally at various spaced vertical positions, said grate support means being provided with guide spaces extending vertically through said grate support means on the inside of the back wall and provided with guide spaces extending vertically through the grate support means on the inner side of the front wall in aligned relation to the guide spaces on the back wall for receiving and supporting the opposite edges of grates to be supported and spaced vertically in said housing.

2,435,324

TIME CONTROLLED VALVE OPERATING MECHANISM

Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application March 31, 1944, Serial No. 529,011
14 Claims. (Cl. 161—9)



1. Time controlled mechanism for use with a valve adapted to be opened manually, comprising, in combination, an actuator adapted to be connected to the movable member of the valve, spring means urging said actuator to an inactive position, latch means for holding said actuator in either of two operated positions, manually operable means for moving said actuator to either of said operated positions against the force exerted by said spring means, and adjustable timing means operable to disengage said latch means and thereby release said actuator for return to inactive position by said spring means, said actuator being effective in returning from one operated position to partially close the valve and in returning from the other operated position to completely close the valve.

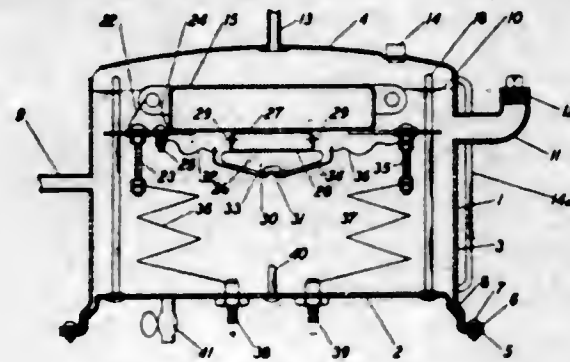
2,435,325

STEAM GENERATOR

Ludwig Reichold, Winsted, Conn., assignor to The Sillex Company, Hartford, Conn., a corporation of Connecticut
Application August 16, 1944, Serial No. 549,687
2 Claims. (Cl. 219—38)

1. A device of the character described comprising a container, a plurality of vertically disposed rods mounted in the container and forming guides, a float mounted in the container, radially disposed arms extending from the float, the arms being provided with openings to receive the guides, a plurality of lugs mounted on the float, a heating coil supported by the lugs and exposed to a body of liquid in the container adjacent the

upper surface thereof, a mercury switch hingedly mounted on the bottom of the float and connected in series with the heating coil, and a post mounted on the bottom of the container to tilt

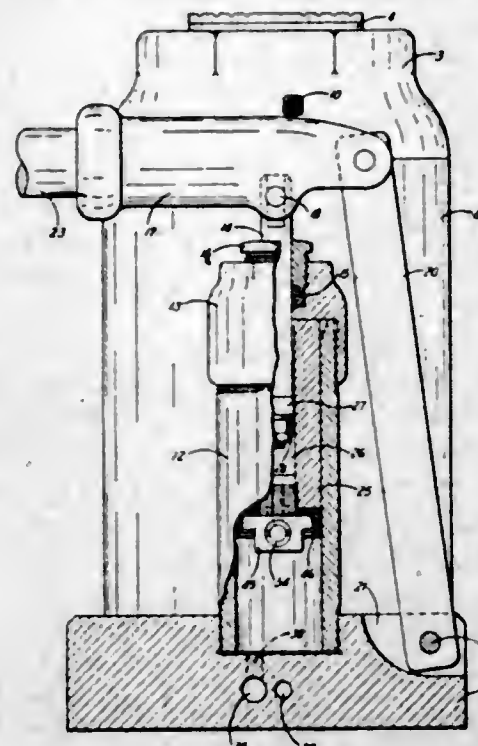


the mercury switch and disconnect the coil from the source of current as the float is lowered in the container to bring the switch into engagement with the post.

2,435,326

FLUID PUMP

Frank H. Schwerin, Ben Avon, Pa., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 2, 1945, Serial No. 580,667
6 Claims. (Cl. 103—37)

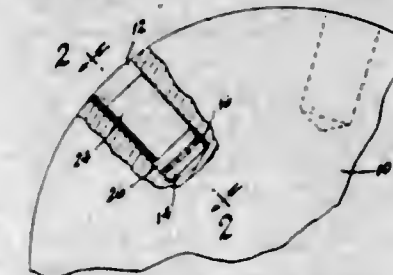


1. In fluid pressure actuated apparatus, a pump comprising a cylinder provided at one end with a fluid passage adapted to connect the cylinder with a fluid reservoir and with a load, check valve means associated with said passage to keep fluid from flowing from the load and cylinder to the reservoir, an axially reciprocable plunger extending into the outer end of the cylinder, means connected to the outer end of the plunger for reciprocating it to pump fluid through said passage from the reservoir to the load, a floating piston in said cylinder provided with an axial bore therethrough receiving the inner end of the plunger for reciprocation therein, means carried by said piston for limiting retraction of the plunger from said bore, a valve body connected to the end of said bore opposite said plunger and provided with inlet and outlet passages connecting said cylinder with said bore, a check valve in each of said valve passages, and an adjustable spring maintaining said outlet check valve closed against fluid pressure in said bore until the piston builds up the fluid pressure between it and the load to a predetermined value that restrains inward movement of the piston.

2,435,327

BOWLING BALL ATTACHMENT

Bernard J. Seurynck, Detroit, Mich.
Application August 13, 1945, Serial No. 610,533
3 Claims. (Cl. 273—63)

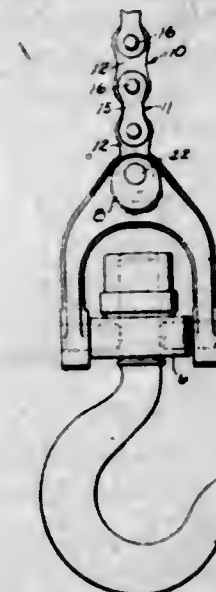


1. A finger sleeve adapted to be disposed within the finger receiving hole of a bowling ball comprising, in combination, a base portion removably receivable within said hole, means supported by and within the limits of the base having a part operable to be projected outwardly therefrom to detachably engage the ball within the hole, a cylindrical sleeve segment detachably coupled with the base above said part and projecting upwardly therefrom to overlie a portion of the surface of the hole.

2,435,328

CHAIN CONNECTION

Ralph E. Smith, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application December 22, 1945, Serial No. 636,558
2 Claims. (Cl. 294—1)



1. The combination with a load hook, of a roller chain having a terminal link comprising spaced parallel side plates pivotally secured at one end to the adjacent link and having aligned apertures at the other end, a boss formed on said load hook, said boss having a pair of transverse slots located inwardly from the ends thereof and spaced apart to receive said side plates, a bore extending through said boss disposed substantially perpendicular to and intersecting said slots, and a pin projecting through said bore and through the apertures in said side plates, said boss providing bearings for said pin on opposite sides of each of said plates.

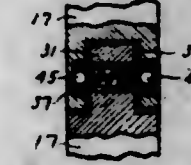
2,435,329

PIPE WRENCH

Don M. Stainbrook, Detroit, Mich.
Application December 9, 1944, Serial No. 567,400
3 Claims. (Cl. 287—96)

1. A sectional element for a pivotally joined member comprising, a section body, a tongue projecting centrally from one end of said body, a pair of hubs projecting laterally from opposite sides of said tongue, an aperture extending axially into each hub, a retainer in each hub, spring

means tending to urge the retainer outwardly, means holding the retainer in the hubs with portions of the retainers protruding therefrom, said section having a slot opening centrally into the other end of a width slightly greater than the width of said tongue, a pair of retainer slots opening laterally and cooperatively in opposing rela-

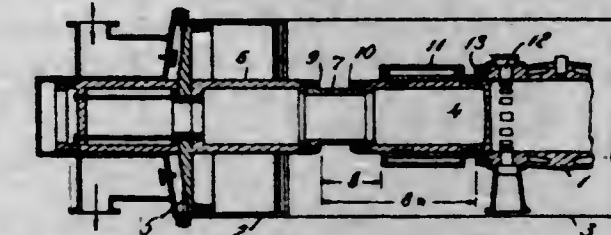


tions in the opposite sidewalls of said central slot, said retainer slots opening out through one side of said section for receiving the hubs from the tongue of an adjacent section to be coupled therewith, and retainer depressions in the retainer slots for receiving the spring pressed retainer from a section to be coupled therewith.

2,435,330

FREE-PISTON ENGINE WITH COMPRESSOR CYLINDER AND INTERNAL-COMBUSTION CYLINDER

Hans Steiner, Winterthur, Switzerland, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland
Application August 25, 1943, Serial No. 499,917
In Switzerland October 17, 1942
4 Claims. (Cl. 230—56)



1. A free-piston engine and compressor apparatus which comprises a combustion cylinder for the engine piston, a compressor cylinder longitudinally spaced from the combustion cylinder, a compressor piston in the compressor cylinder, a removable guide attached to an end of the combustion cylinder in which the power piston travels, a removable intermediate piece attached to the compressor piston which serves as a guide for the compressor piston, and a second removable intermediate piece interconnecting the first-mentioned intermediate piece with the power piston, the power piston being shorter than the aggregate lengths of the second removable intermediate piece and the removable guide, the distance between the cylinders being greater than the length of the power piston so that the power piston may be removed from the engine when the second removable intermediate piece and the removable guide are disconnected from the pistons and power cylinder respectively.

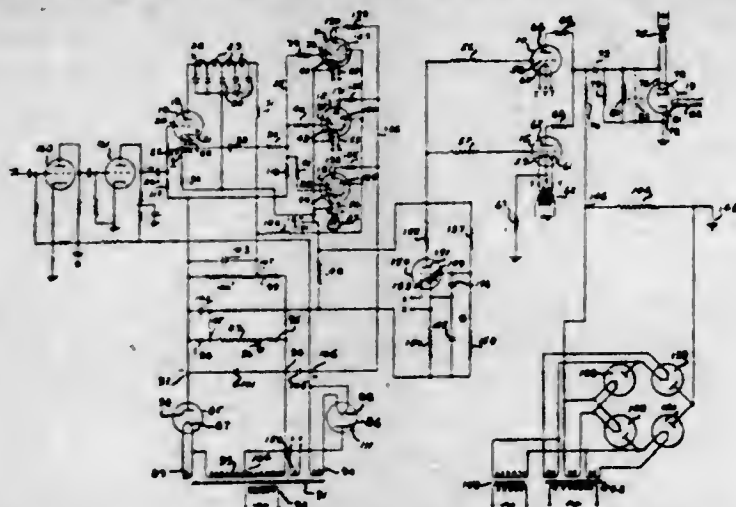
2,435,331

VACUUM TUBE AMPLIFIER

Jabez C. Street, Belmont, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy
Application October 4, 1943, Serial No. 504,924
6 Claims. (Cl. 250—27)

6. An amplifier comprising a thermionic tube having at least a plate, a grid, and a cathode, a cathode circuit for said tube, means associated with said cathode to raise the potential of said cathode with respect to a predetermined reference potential in proportion to the amount of current flowing through said cathode circuit, a condenser associated with the grid of said tube,

means to charge said condenser, means to initiate the discharge of said condenser, whereby a positive voltage pulse is applied between said grid and cathode, means to cause the potentials of



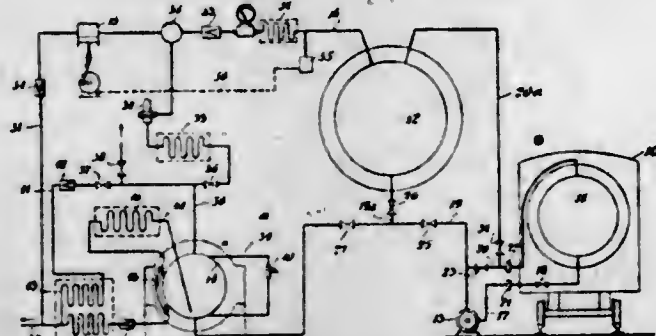
said condenser and said discharging means to follow the potential changes of said cathode, and an output circuit connected to said cathode, to obtain voltage variations therefrom.

2,435,332

METHOD OF AND APPARATUS FOR STORING AND DISPENSING LIQUEFIED GASES

James G. Van Vleet, Larchmont, and George W. Patch, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application September 16, 1942, Serial No. 458,532
16 Claims. (Cl. 62-1)



1. A method of storing a liquefied gas and delivering the material from a main storage container closed to the atmosphere and provided with means for transferring charges to an auxiliary container which comprises maintaining the pressure in said auxiliary container at an elevated pressure substantially in excess of that in the main storage container suitable for supplying consuming apparatus, withdrawing gas material from said auxiliary container and supplying it in gaseous form and at suitable temperature to consuming apparatus, and maintaining the pressure in said storage container at or below a predetermined value by withdrawing gas from the accumulation thereof in said storage container and elevating the pressure thereof and delivering it direct to the consuming apparatus.

2,435,333

SOAP COMPOSITIONS

Ellis R. White, Albany, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 15, 1943, Serial No. 510,428

11 Claims. (Cl. 260-398.5)

11. An organic composition comprising as an essential ingredient a soap composed of the salt of a fatty acid having at least 10 carbon atoms, said composition being normally subject to deterioration by oxidation and stabilized by having dissolved therein a small amount of a salt of a saturated N-aromatic alpha amino carboxylic

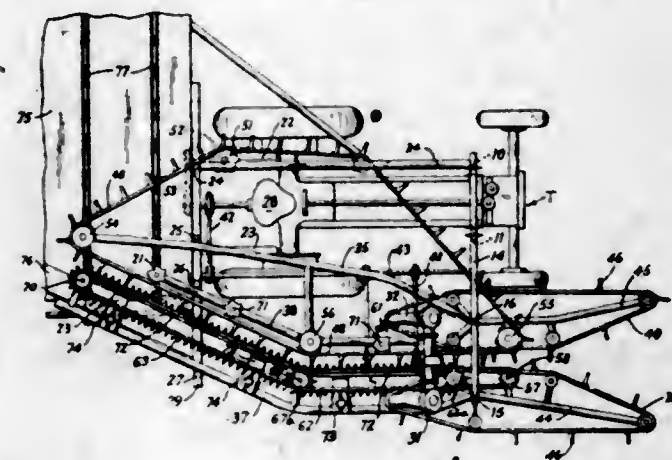
acid wherein a saturated non-aromatic hydrocarbon group of at least 12 carbon atoms is attached to the carbon atom alpha to the carboxyl group, and wherein the nitrogen atom is attached to an aromatic carbon atom.

2,435,334

CONVEYING MECHANISM FOR HARVESTERS

Allan R. Wurtele, Mix, La.

Application September 7, 1944, Serial No. 552,953
8 Claims. (Cl. 198-162)



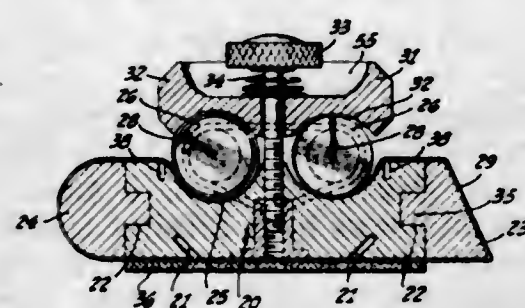
1. In a harvester for plants having stalks, conveyor means for said stalks comprising a power-driven endless chain, each link of said chain having a laterally projecting lug extending outwardly therefrom, a second endless chain, means for mounting said chains with portions thereof operable parallel and adjacent to each other in the same plane, and a plurality of relatively pointed elements projecting outwardly from said second chain and extending between the lugs of each pair of adjacent links, said elements having their pointed ends spaced from said first-named chain, whereby said elements cooperate with said first-named chain to hold stalks interposed therebetween against longitudinal movement.

2,435,335

HAND FINISHING TOOL

Willard H. Andrews, Los Angeles, Calif.

Application July 19, 1946, Serial No. 684,824
10 Claims. (Cl. 51-187)



1. In a hand tool of the class described comprising in combination: a plurality of rollers having means therein adapted to secure the end of a strip of abrasive material; a work engaging member of generally prismatic shape, a portion of the cross-sectioned contour of which is shaped to correspond to the cross-sectional contour of a work-piece being polished; a body member having groove means therein adapted to receive said rollers; tongue-and-groove means in said body and said working member for effecting interlocking engagement between them; a strip of abrasive material having each of its ends secured to one of said rollers and being passed around said working members and said body whereby rotation of said rollers tensions said abrasive material and holds said working members in secure engagement with said body member; and clamping

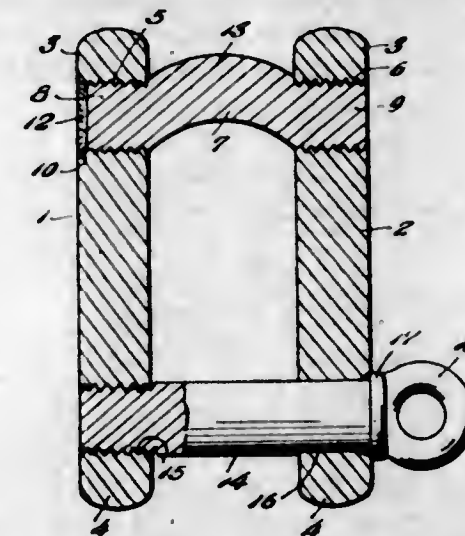
means operatively engaged with said body member and adapted to frictionally engage said rollers to immobily secure the same with said tension in said abrasive material.

2,435,336

SHACKLE

Robert E. Belvel, Hayward, Calif.

Application August 9, 1944, Serial No. 548,771
2 Claims. (Cl. 59-86)



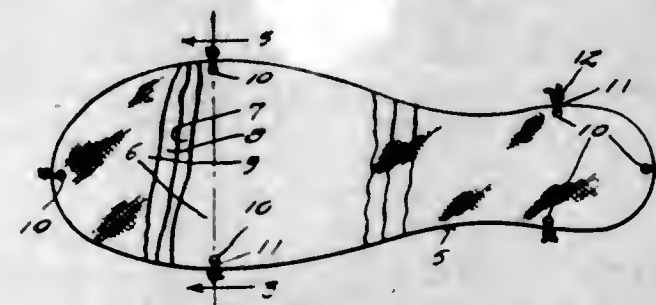
1. A shackle comprising a pair of opposed side links, and a pair of cross pins connecting said links together at opposite ends thereof, one of said pins being permanently connected at one of its ends to one of said links and having the other link threaded onto its other end to permit the cranking detachment thereof, the other cross pin being slidably extended through said other link and having an end threaded into the link to which said one cross pin is permanently connected.

2,435,337

LAMINATED INSOLE FOR SHOES

Alva Billingsley, Lamesa, Tex.

Application April 12, 1946, Serial No. 661,821
2 Claims. (Cl. 36-44)



1. In an insole for shoes, a relatively thick base ply formed of a flexible, elastic and waterproof material, an upper section super-imposed thereon and comprising a plurality of fabric plies of different materials, the plies constituting said upper section being bonded together, and tie means for detachably securing said bonded plies to the base ply.

2,435,338

OIL CONTROL VALVE

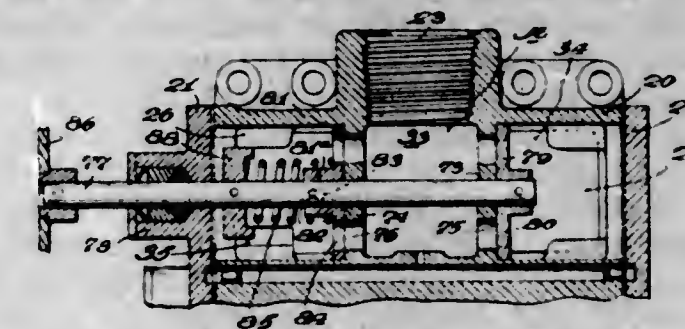
Harry T. Booth, Glencoe, Ill., assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Original application July 29, 1942, Serial No. 452,763. Divided and this application December 5, 1942, Serial No. 467,995

2 Claims. (Cl. 277-19)

1. An oil control valve comprising a longitudinal housing structure having a pair of partitions therein dividing the housing into an intermediate inlet chamber between two outlet chambers, said partitions having aligned valve ports therein, a rotatable shaft extending longitudi-

nally through the chambers of said housing, disk valve elements mounted on said shaft to rotate therewith, said disk valve elements having ports therethrough corresponding with ports in the partition elements with which they cooperate, said disk valve elements being so mounted on said shaft that when the ports of one disk line



up with the ports through the partition with which it cooperates the ports through the other disk will be in a midway position between the ports through the partition with which it cooperates, and at least one of said disk valve elements being movable axially along said shaft to open the ports in its cooperating partition irrespective of its position of rotational adjustment.

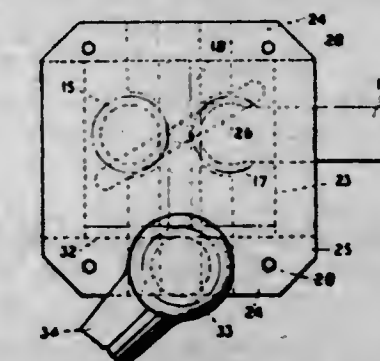
2,435,339

ACTUATING MECHANISM

Thomas John Robert Bright, Allesley, near Coventry, England

Application April 6, 1946, Serial No. 660,181

In Great Britain February 14, 1945
Section 1, Public Law 690, August 8, 1946
7 Claims. (Cl. 74-29)



1. Actuating mechanism, for a slidable part such as a window of a motor-car, including a pair of base plates, means holding said base plates in spaced superposed relation, at least one pivotally-mounted arm to shift said part, a slidable member operatively connected with said arm to turn the latter about its pivotal axis, thereby to shift said part, when said member is slid, a second member slidable in a plane parallel to, and in a different direction from, that of the first, said members being disposed between said plates and being respectively guided thereby, and a pin-and-slot connection between said members providing an irreversible connection by which said second member can slide said first.

2,435,340

PROCESS FOR THE TREATMENT OF MARMATTIC ZINC ORES

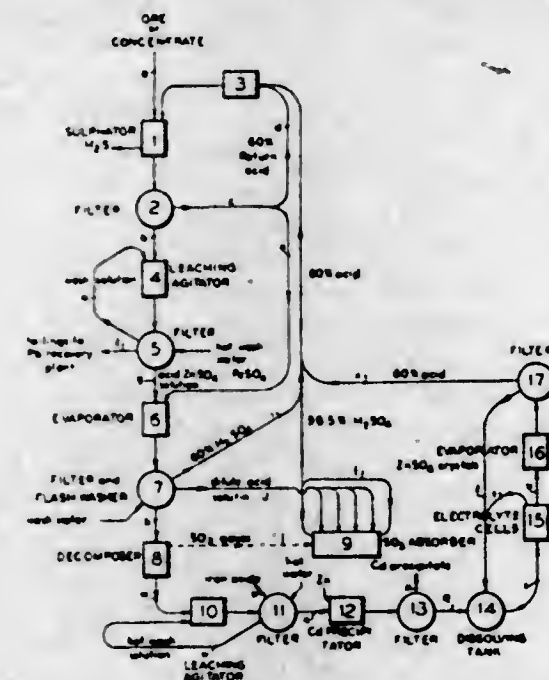
Niels C. Christensen, Salt Lake City, Utah, assignor to Combined Metals Reduction Company, Salt Lake City, Utah, a corporation of Utah

Application May 1, 1944, Serial No. 533,633

5 Claims. (Cl. 204-119)

1. The process of treating marmattic zinc sulphide ores and concentrates which consists in grinding said ores or concentrates with an excess of hot sulphuric acid containing in the neighborhood of 60% H₂SO₄ so as to convert the ZnS and FeS in the zinc mineral in said ores or concen-

trates to solid ZnSO_4 and FeSO_4 and drive off the sulphur as H_2S , separating the excess acid from the solid sulphates and ore residue and using said excess acid in the treatment of more ore or concentrate, leaching said mixture of ore residue and solid sulphates with hot water to form a concentrated solution of sulphates, separating said sulphate solution from the ore residue, adding 60% H_2SO_4 in sufficient amount to carry in suspension the solid sulphates formed in the subsequent concentrating operation, evaporating said last solution to bring the acid concentration therein to approximately 60% H_2SO_4 so as to precipitate ZnSO_4 and FeSO_4 from said acid solution, separating the precipitated sulphate crystals from the concentrated acid and using said acid for the treatment of more ore or concentrate, heating the mixture of crystals of ZnSO_4 and FeSO_4 in the presence of oxygen to decompose the FeSO_4 and form Fe_2O_3 and SO_3 , absorbing the SO_3 in concentrated acid



to form concentrated H_2SO_4 and using said acid in the treatment of more ore or concentrate, leaching the mixture of Fe_2O_3 and ZnSO_4 with hot water to form a concentrated ZnSO_4 solution, separating the Fe_2O_3 from the ZnSO_4 solution, treating the hot ZnSO_4 solution with Zn to precipitate metals below zinc in the electromotive series, separating the precipitated metals from said solution, mixing the purified ZnSO_4 solution with sulfuric acid electrolyte from an electrolytic cell and with precipitated ZnSO_4 crystals to form an electrolytic solution, electrolyzing the latter in the aforementioned electrolytic cell to recover zinc therefrom and form H_2SO_4 in solution, removing a portion of the electrolyzed solution, concentrating said portion to raise the concentration of acid therein to approximately 60% H_2SO_4 and thereby precipitate the ZnSO_4 crystals therefrom, separating the ZnSO_4 crystals from said concentrated acid, using said concentrated acid in treating more ore or concentrate as described, and using said separated ZnSO_4 crystals together with another portion of the electrolyzed solution for mixing with more purified ZnSO_4 solution to form an additional quantity of electrolytic solution for electrolysis.

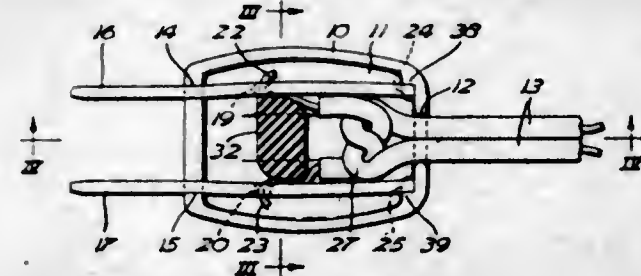
2,435,341

ELECTRICAL CORD PLUG

Chester W. Cummie, Rochester, N. Y., assignor to Product Technicians, Inc., Rochester, N. Y.
Application November 27, 1946, Serial No. 712,705
7 Claims. (Cl. 173-361)

6. In an electrical cord plug, a body member having a central well formed in one surface

thereof, a groove in said surface extending between said well and the outer margin of the body member for receiving a two-wire electrical cord, a pair of spaced grooves likewise extending between said well and the outer margin of the body member and a pair of plates of conducting material disposed therein, said plates projecting at their inner ends into said well and at their outer ends outwardly of said body member for engagement with an electrical outlet, each of said plates having an opening therethrough adjacent its inner end whereby the end of one of the wires of said cord may be threaded therethrough, and a cover element adapted to seat against said sur-



face of said body member, interlocking means in the bottom of the central well of said body member, and said cover member having means interlockable with said interlocking means by relative turning movement of the body member and the cover element with the cover element against said surface, and said cover element having a cam portion for acting against said plates upon interlocking movement of said parts for clamping the wires thereagainst, said cover member having a portion projecting toward the body member and adapted to come into registry with and snap into said cord receiving groove when the interlocking means and the cam means reach their final assembled positions.

2,435,342

SPACE HEATER AND HEAT OUTPUT INDICATOR THEREFOR

Edward M. Douthat and Edwin Esson, Kansas City, Mo., assignors to Locke Stove Company, Kansas City, Mo., a corporation of Missouri
Application July 5, 1943, Serial No. 493,587
2 Claims. (Cl. 73-343)



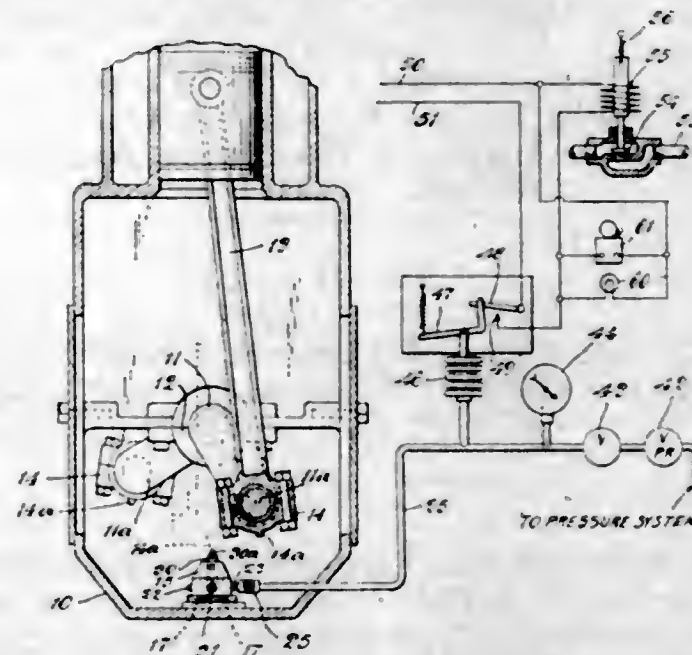
2. In combination with a space heater having a combustion chamber, a packet spaced exteriorly of the combustion chamber to provide an air circulatory passageway therebetween, the wall of the combustion chamber having a recess therein and the jacket having an opening in registration with said recess, of a temperature responsive indicator comprising a pointer and a scale, a casing having a rear plate for the pointer and scale, a cylindrical housing extending from the rear plate, a shaft pivotally mounted in the cylindrical housing and rear plate to which the pointer is attached, a bimetallic coil mounted in the outer end portion of the housing and attached to the shaft for rotating the same, the indicator being mounted in the opening of the jacket with the outer end portion of the cylindrical housing seated in the recess in the wall of the combustion chamber, whereby the bimetallic coil is sub-

stantially sealed off from the space between the jacket and wall of the combustion chamber and will partake of the temperature of the combustion gases in the combustion chamber.

2,435,343

POWER SHUTOFF AND SIGNALLING APPARATUS

Lewis W. Downey, Oak Park, Ill.
Application May 18, 1944, Serial No. 536,216
4 Claims. (Cl. 123-198)

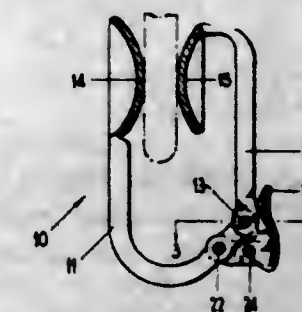


3. The combination with an engine comprising a rotatable crank shaft, a piston rod, and means connecting one end of said piston rod to said crank shaft including a bearing member retaining the connected end of said piston rod in a normal orbit during rotation, of a displaceable member positioned adjacent the normal orbit of the connected end of said rod for displacement by the latter from said position upon movement of said portion from said orbit upon failure of said bearing member to retain the connected end of the piston rod in said orbit, a fuel supply line for the engine, a normally open valve in said line, and means controlled by said trigger for effecting closure of said valve upon said displacement of said trigger.

2,435,344

EARRING

Eugene Farkas, New York, N. Y.
Application May 15, 1946, Serial No. 669,751
3 Claims. (Cl. 63-14)



1. In a clamping earring of the bow type comprising in combination, a clamping bow composed of a stationary bow element and of a movable bow element hinged to said stationary element, the free ends of said bow elements having integral clamping plates with convex surfaces facing each other, said surfaces in operative position providing point contact on an ear lobe from opposite sides, a toggle link pivotally mounted on said stationary element, and having passage means therethrough, said movable element having an extension opposite said free end and designed to pass through said passage means, said toggle link having a pin transversely thereof and positioned

607 O. G.-8

2,435,345

PILES AND METHOD OF MAKING THE SAME

Eugène Freyssinet, Neuilly-sur-Seine, France
Application June 8, 1945, Serial No. 598,314
In France July 19, 1944
12 Claims. (Cl. 61-56)

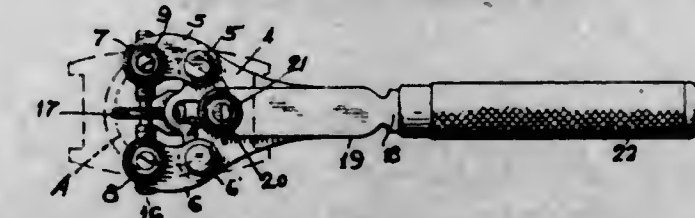


3. The process of simultaneously constructing and driving a pile into ground, which comprises sinking a first pile section together with a plurality of reinforcements, each of which is fast with said first pile section through an end thereof and has a length substantially averaging at least the depth to which said pile is to be buried, the reinforcements being so arranged as to emerge from said first section substantially flush with its peripheral surface, thus forming a cage in line with said first section; adding to the first section, within said cage, successive pre-built pile sections, each one in line with the preceding section, while driving the sectional pile into ground as section addition proceeds; tensioning a length of said reinforcements corresponding to that of each newly added section, whenever a further section is added; and fastening said cage with its component reinforcements still in tensioned condition to said newly added section.

2,435,346

WRENCH FOR REMOVING THE BACKS OF WATERPROOF WATCHES

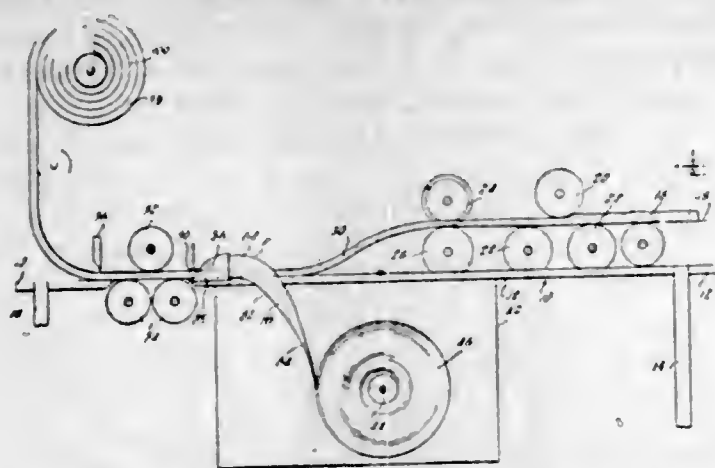
Lloyd Ghiglieri, Oakland, Calif.
Application March 27, 1945, Serial No. 585,042
2 Claims. (Cl. 81-6)



1. In a wrench, a supporting structure having a pair of relatively adjustable jaws mounted at one end and a threaded shank secured to its other end, means for adjusting the jaws with respect to one another, an adjustable tubular handle member slidably mounted on the shank and having one end threaded and its opposite end formed with an extension, a third jaw carried by the extension, and an internally threaded sleeve extending around the threaded end of the shank and having two distinctive sets of threads engaging, respectively, with the threads of the shank and the threads of the tubular handle member, whereby when the sleeve is rotated the tubular handle member is moved to adjust the third jaw with respect to the other two jaws.

2,435,347 BLANKET INSULATION AND METHOD OF AND APPARATUS FOR FORMING THE SAME

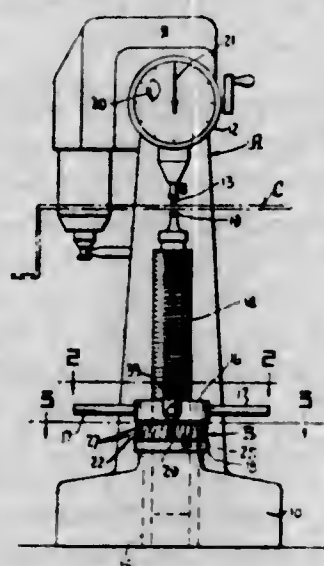
Lawrence M. Gilman, Gilman, Conn.
Application March 13, 1946, Serial No. 654,162
7 Claims. (Cl. 154-27)



1. An apparatus for opening and filling an elongated envelope wrapping with blanket insulating material, which envelope consists of an elongated sheet of material having a central portion, a pair of side portions, and a pair of top flap portions, each of which flaps is substantially half the width of the central portion, one of the flaps being wider than the other and adapted to overlap same, the apparatus comprising conveying means to move the envelope sheet at a constant speed laterally, means to spread the side walls and flaps of the moving sheet to expose the central portion thereof to permit access to the top of the central portion, conveying means to move an elongated strip of insulating material at the same speed as the envelope sheet, and means to deposit same on the exposed central portion, means to fold the flaps over and on top of the strip with the flap edges overlapping, and means to secure the overlapped edges together.

4. The method of forming a blanket of insulating material which comprises the steps of forming an elongated empty envelope, flaring the envelope to permit access to the interior thereof, depositing a batt of insulating material inside the flared envelope, and thereafter folding the envelope over the batt and sealing same.

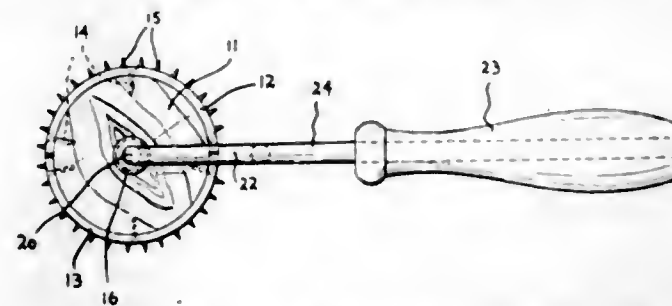
2,435,348
HARDNESS AND THICKNESS GAUGE
Torjus Groff, Brinsmade, N. Dak.
Application June 22, 1944, Serial No. 541,566
5 Claims. (Cl. 73-81)



1. In a machine for testing the hardness of a material and including a penetrator and a screw and a nut arranged to urge said screw endwise to place the material under pressure against the penetrator during the hardness testing operation,

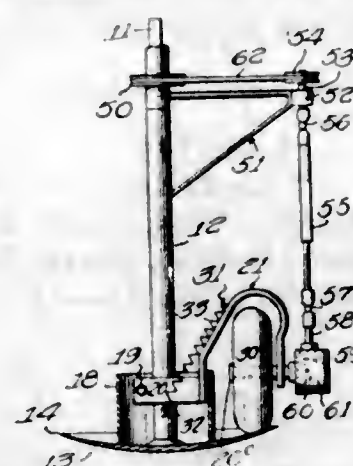
means for simultaneously gauging the thickness of the material comprising a collar fixed around the screw, an index carried by the nut to travel around the collar as the screw is moved endwise, said collar having spaced openings in its circumference the spacing of which represents fractions of a complete revolution of the nut and of a resulting range of movement of the screw, and a pin adapted to be inserted in any selected opening in the collar to lie in the path of the index and limit movement of the nut with respect thereto.

2,435,349
WALLPAPER PERFORATOR
Eulis T. Hall, Kansas City, Mo.
Application August 10, 1945, Serial No. 610,154
2 Claims. (Cl. 164-99)



1. A device of the character described comprising a cylinder, a pair of semi-cylindrical plates closely covered with projecting very sharp points, said cylinder being formed of a material to which the plates may be removably secured, means for securing the plates to the cylinder, bearings in the opposite ends of the cylinder, and a forked handle having means for rotatable engagement with the bearings.

2,435,350
HARVESTER WITH TOPPER AND EJECTOR
Howard E. Hall, Boise, Idaho, assignor to J. A. Terteling & Sons, Boise, Idaho, a partnership consisting of J. W. Terteling and N. L. Terteling
Application October 26, 1944, Serial No. 560,412
5 Claims. (Cl. 55-107)

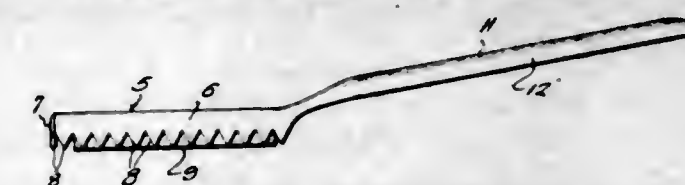


1. An ejector mechanism for a beet harvester or the like comprising a rotatable shaft, a cutting disc secured to the end of said shaft for rotation therewith, a stationary sleeve surrounding said shaft, a support pivotally secured to said sleeve adjacent said shaft end, a rubber tired wheel rotatably mounted on said support, and spring means connecting said support and sleeve for resiliently holding said wheel in contact with the inner face of said disc.

2,435,351
COMBINATION FISH SCALER AND SCRAPER
Steven H. Hay, Racine, Wis.
Application March 6, 1946, Serial No. 652,420
1 Claim. (Cl. 17-7)

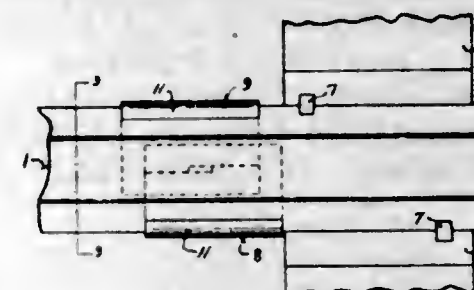
A fish scaler and scraper comprising, a substantially rectangular plate formed with flanged

marginal edges at longitudinal sides and one end thereof, said edges extending from one side of said plate and being cut to provide scale removing teeth, a plurality of flanges struck out from the mid portion of said plate, said flanges being



disposed between and parallel with the longitudinal edges of said plate and defining scraper blades, the scraping edges of said blades being substantially coplanar with the extremities of said teeth, and a handle formed integrally with the remaining end of said plate.

2,435,352
RAIL ANCHOR
John P. Heuer, Pittsburgh, Pa.
Application October 6, 1945, Serial No. 620,687
1 Claim. (Cl. 238-321)

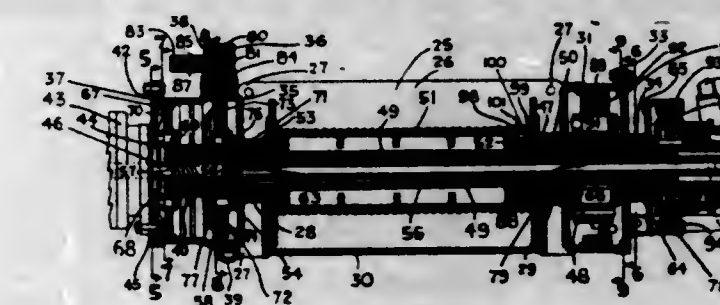


The combination with a railroad track rail, of a pair of similar clamping members arranged in opposed relation to each other, each of said members comprising a flat oblong horizontally disposed supporting plate positioned under the base of the rail, each of said plates carrying a clamping jaw extending along the outer side edge thereof and engaging and overlapping respective side edges of the base of the rail, each of said plates carrying a securing flange extending along the inner edge thereof and depending at an angle relatively to said plate, each of said members having an open longitudinally disposed slot of substantial length formed at the juncture of said plate with said flange, said slot having an angularly disposed wall at the flange side thereof decreasing the width of said slot from the outer end toward the inner end thereof, said angularly disposed wall being provided with teeth, said juncture having the underside thereof roughened opposite the slotted end thereof, said juncture of one of said pair of members being engageable in the slot of the other of said pair of members to cause the toothed wall of the slot of one of said pair of members to engage and grip the said roughened juncture of the other of said pair of members for securely interlocking said pair of members together on the base of the rail.

2,435,353
MATERIAL HANDLING APPARATUS
Joseph J. Hite, St. Paul, Minn., assignor to American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware
Application May 8, 1944, Serial No. 534,674
10 Claims. (Cl. 254-187)

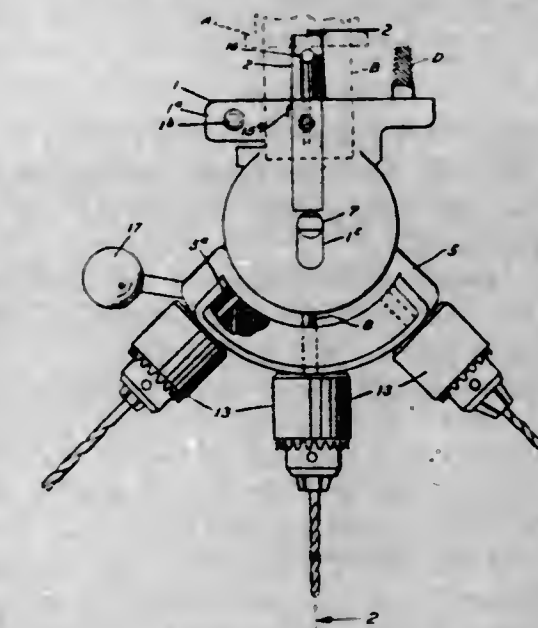
10. Material handling apparatus comprising a drum, a rotatably mounted drum shaft fixedly supporting said drum, an electric motor for causing said drum shaft to be rotated, a device adapted to be manually actuated to cause said drum shaft to be rotated, an operative connection between said electric motor and said drum

shaft constituted as a first speed reduction gearing arrangement, a second speed reduction gearing arrangement, a clutch shaft, a clutch mechanism and a third speed reduction gearing arrangement, said first speed reduction gearing arrangement being interposed between said electric motor and the second speed reduction gearing arrangement, said second speed reduction gearing arrangement being interposed between the first speed reduction gearing arrangement and the clutch shaft, said clutch shaft being connected to the clutch mechanism, and said third speed reduction gearing arrangement being interposed between said clutch mechanism and said drum shaft, an operative connection between said



device adapted to be manually actuated and said drum shaft constituted as a fourth speed reduction gearing arrangement, said second speed reduction gearing arrangement, said clutch shaft, said clutch mechanism and said third speed reduction gearing arrangement being interposed between said device adapted to be manually actuated and said second speed reduction gearing arrangement, means for causing said fourth speed reduction gearing arrangement to be stationary while said first speed reduction gearing arrangement is operative, and means for causing said first speed reduction gearing arrangement to be stationary while said fourth speed reduction gearing arrangement is operative.

2,435,354
TURRET ATTACHMENT FOR DRILL PRESSES
Arch Hotchkiss, Jr., and Harold E. Haynes, San Diego, Calif., assignors to Reconstruction Finance Corporation, Los Angeles, Calif., a corporation of the United States and Arch Hotchkiss, Jr.
Application July 30, 1945, Serial No. 607,808
9 Claims. (Cl. 77-25)



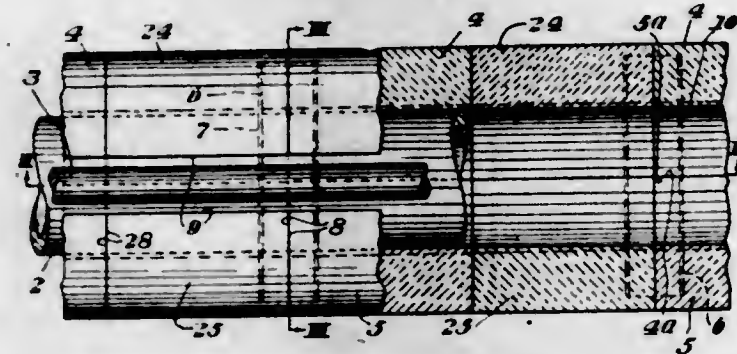
1. In a turret attachment for drill presses, the combination of an attachment frame member adapted to be attached to the vertically movable shank of the drill press, a spindle frame member having a plurality of chuck shafts journaled therein, bearing pins in connection with said spindle frame member vertically shiftably mount-

2,435,362

WORK-SUPPORTING STRUCTURE AND PROTECTIVE MEANS FOR FURNACES AND THE LIKE

William A. Morton, Mount Lebanon, Pa., assignor, by mesne assignments, to Manufacturers Trading Corporation, Cleveland, Ohio, a corporation of Delaware

Application December 11, 1942, Serial No. 468,730
4 Claims. (Cl. 263-6)

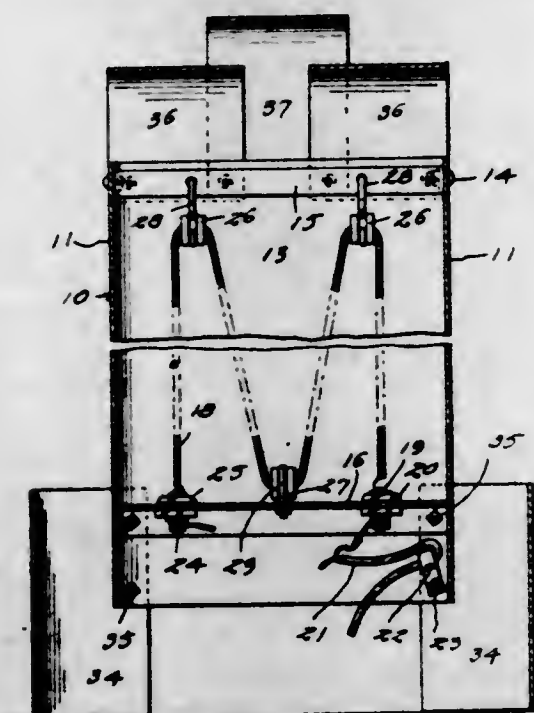


1. Work-supporting structure comprising an elongated work-supporting member disposed to support work resting thereon and having a longitudinally extending work-engaging portion at its upper part, preformed protective means disposed generally about the work-supporting member to protect the same but with the work-engaging portion exposed to engage work supported by said structure, the upper surface of the structure at opposite sides of the work-engaging portion having plastic protective material applied thereto.

2,435,363

ELECTRIC HEATER

Charles E. Patisaul, Milledgeville, Ga.
Application July 19, 1944, Serial No. 545,584
3 Claims. (Cl. 219-34)



1. A heater of the class described having a casing open at the front, supporting means for the casing elevating the same, a heating element within the casing, and a top for the casing comprising generally U-shaped hood sections, one of such sections extending above the remainder.

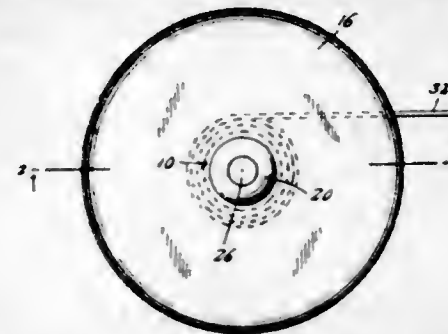
2,435,364

GYRO TOP

Willie T. Pearson, Vicksburg, Miss.
Application November 1, 1945, Serial No. 626,081
1 Claim. (Cl. 46-70)

In a top, the combination of a spindle having dissimilar shaped floor engaging ends, tubes fixed to the opposite ends of said spindle, and having

their outer ends forming continuations of the spindle ends, an integrally formed hub and spaced parallel wheel discs loosely mounted on said spindle

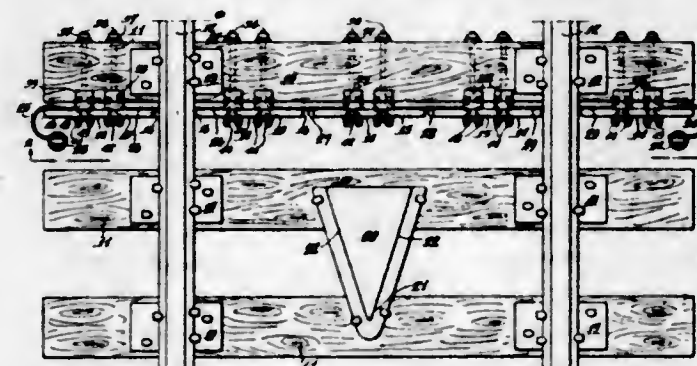


die for axial and lateral movement with respect thereto, and said hub being adapted to receive and support a winding cord.

2,435,365

DRAGGING EQUIPMENT DETECTOR

Ernest K. Post, Collingswood, N. J.
Application June 15, 1944, Serial No. 540,367
18 Claims. (Cl. 246-169)

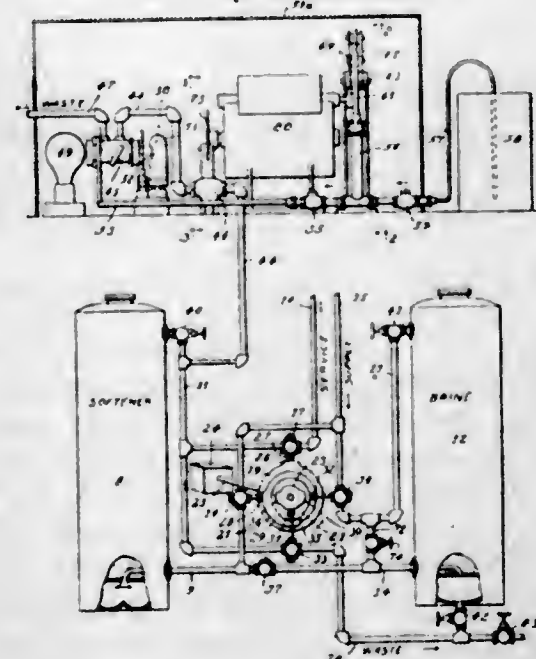


1. In a detector for dragging railway equipment, a frangible front engagement bar, converging supporting bars connected to the ends of the engagement bar, legs for the supporting bars, a pair of electric wires extending transversely of the legs, brackets for supporting the wires and legs, and clamping means for forcing the legs against the wires and the wires against the brackets.

2,435,366

AUTOMATIC WATER SOFTENER

Arthur L. Riche, Rockford, Ill., assignor to Automatic Pump & Softener Corporation, Rockford, Ill., a corporation of Illinois
Application January 27, 1934, Serial No. 708,589
4 Claims. (Cl. 210-24)



1. The combination in a base exchange water softener, of a softening tank, valve means for controlling the flow of water and brine to and from said tank, light sensitive testing means for testing the effluent from said tank by measuring

the stoppage of light caused by the addition of a reagent to the effluent, means for driving said valve means in response to said test, and means for calibrating said testing means including a light filter for producing a known stoppage of light, the filter being manually movable to operative position, switch means for disconnecting said valve driving means, and means for manually adjusting the intensity of the light passing through said filter.

2,435,367

PARACHUTE AND MEANS FOR PROJECTING AND OPERATING THE SAME

Alfred L. Ruthven, Denver, Colo.
Application February 1, 1943, Serial No. 474,240
9 Claims. (Cl. 46-86)



1. In a device of the character described, a projectile having a relatively heavy tip portion, and a parachute having shroud lines, means for attaching the shroud lines of the parachute to the rear portion of the projectile and a releasable engagement of the parachute crown with the projectile's tip portion, said engagement comprising members carried respectively by, and on one side of, the projectile and by the crown adapted to interengage and be held in interengagement by a pull exerted on the parachute parallel to the projectile axis but to disengage by a pull exerted on the parachute at an angle to the axis of the projectile and a fin affixed to the projectile and aligned with said engaging member on one side thereof whereby to maintain the releasable engagement means on the upper side of the projectile during its arc of travel resulting from the expenditure of the projecting force.

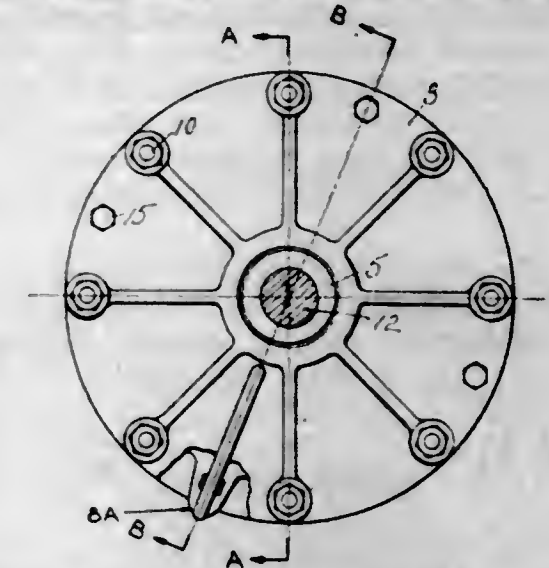
2,435,368

CLUTCH

Charles W. Sadler, Essex, Conn.
Application March 12, 1945, Serial No. 582,270
4 Claims. (Cl. 192-85)

1. A clutch of the character described comprising a housing having a chamber therein and secured to a driven shaft, a driving disk contained within said housing and having a hub extending therethrough, a driving shaft secured to said hub, a nonmetallic friction disk contained loosely within said chamber at each side of said driving disk, an expansible disk shaped member contained within said chamber between each of said friction disks and the walls of said chamber, a buffer disk between each of said expansible disks and

friction disks and secured to said housing for rotation therewith, the said driven shaft having

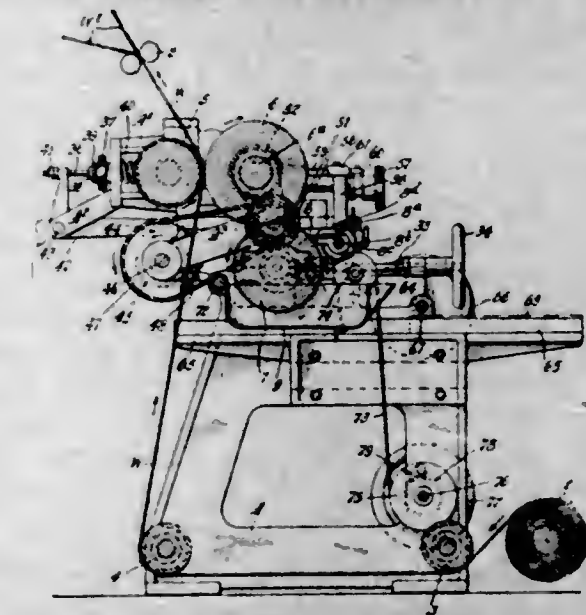


a passage therein, and means communicating said passage with said expansible disks.

2,435,369

MARKING OR PRINTING MACHINE

Donald R. Simonds, Hillcrest, N. J., assignor to Industrial Tape Corporation, a corporation of New Jersey
Application September 27, 1943, Serial No. 503,888
6 Claims. (Cl. 101-227)



1. In a machine for printing upon adhesive material which offers a certain amount of resistance to feed movement, the combination of a printing unit through which the material passes with its adhesive face in contact with the impression cylinder, pulling means located beyond the printing unit and acting to exert a positive pull on the traveling material to break its adhesion to the impression cylinder after the printing operation, driving means for the printing unit operating to impart to the traveling material a greater linear speed than that of the pulling means, and a speed compensating device controlled by the traveling material for causing the printing unit to be rotated at a peripheral speed corresponding with the linear speed of the traveling material.

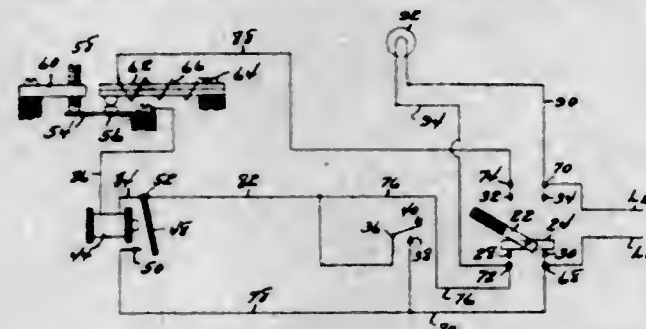
2,435,370

INTERVAL SWITCH

George Speer, Laurelton, Long Island, N. Y.
Application December 18, 1944, Serial No. 568,675
3 Claims. (Cl. 171-97)

2. In a switch structure of the class described, a main control switch having two circuit closing positions, an auxiliary control switch, a relay and an automatic switching means, said switches being electrically interconnected with a current source and an electrical device to be controlled, said main control switch being manually oper-

able to one of its circuit closing positions to connect said current source directly with said electrical device for its continued operation until the main control switch is set to the other of its circuit closing positions, said auxiliary control switch being manually and momentarily operable to connect said current source to said relay and said automatic switching means, said relay oper-



ating to shunt the current from said source about said auxiliary control switch and to pass it through said automatic switching means to said electrical device, following the opening of said auxiliary control switch, said automatic means operating after an elapsed time period to open the circuit on said current source for rendering said relay and said electrical device inoperative.

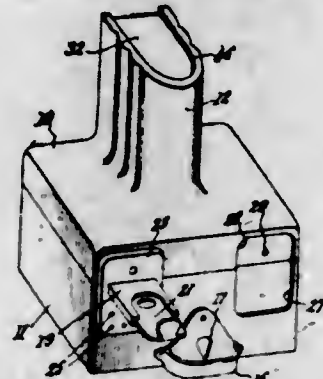
2,435,371

SECTIONAL CASING

James E. Stout, Mount Dora, Fla.

Application November 3, 1943, Serial No. 508,837

1 Claim. (Cl. 220-4)



A body casing comprising two sections meeting in a substantially horizontal plane having sockets in one end of the upper section above said plane and slots in the under face of the upper section with the elongation of the slots in the same direction as the axial length of the sockets, plates upstanding from and connected to the lower section at the socketed end of the upper section and overlapping said sockets, dowels projecting from the plates above the said plane in position to enter said sockets, pins upstanding from the upper face of the lower section in position to enter the slots of the upper section and substantially abutting the ends of said slots nearest said plates, the ends of both sections opposite said sockets having dowel pockets, a plate extending in common over such pocketed ends of both sections and having dowels to occupy such pockets to prevent the separation of the sections at the pocketed ends and means for locking said last named plate to the upper section.

2,435,372

TIMING VALVE FOR TRACK SANDERS

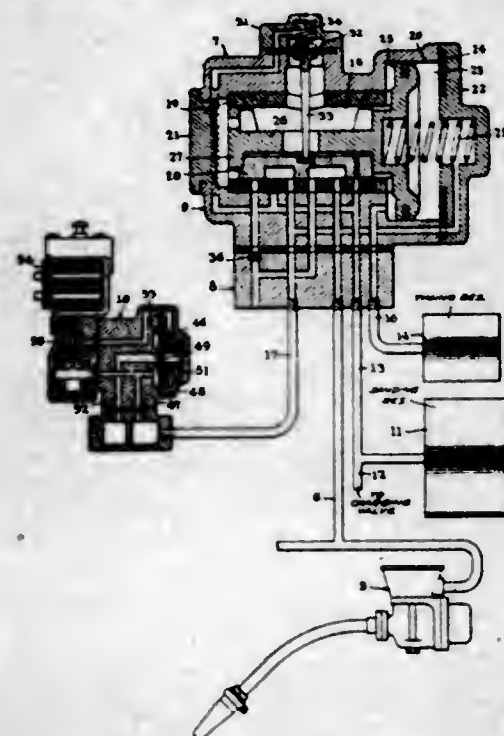
Henry Norton Sudduth, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application January 26, 1945, Serial No. 574,719

2 Claims. (Cl. 291-3)

1. The combination of a source of sanding air; an air operated sander; means forming a slide

valve chamber; an expansible chamber motor having a movable abutment subject on one side to pressure in the valve chamber and on the other side to pressure in a control chamber; a ported slide valve coacting with a ported seat in the chamber and connected to be shifted by said abutment between an inward running position in which it vents the sander and charges both the valve chamber and the control chamber from said



source, an outward sanding position in which it connects the sander with said source and affords a large capacity vent from the control chamber and a restricted vent from the valve chamber and an intermediate position in which it charges the control chamber without charging the valve chamber; means biasing the abutment and valve inward toward running position; and means for causing said abutment and valve to shift from running to sanding position.

2,435,373

HEAD FOR VENETIAN BLINDS

Charles J. Van Buren, Fort Lauderdale, Fla.

Application September 11, 1945, Serial No. 615,622

16 Claims. (Cl. 160-167)



6. In a head structure for Venetian blinds, comprising a fixed head plate and a cap plate swingable to closed and open positions, cam means disposed on said fixed plate for elevating the cap plate at the termination of its swinging movement to closed position.

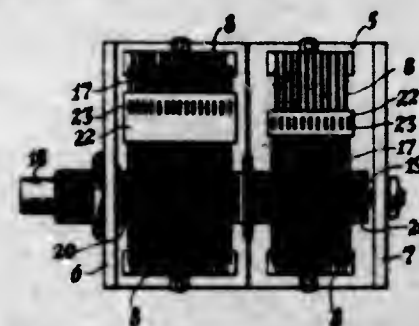
2,435,374

VARIABLE CONDENSER

Morton R. Weissman, West New York, N. J.

Application July 25, 1946, Serial No. 686,184

1 Claim. (Cl. 287-52)



In a support for the rotor plates of a variable condenser, a rotary shaft having a plurality of

spaced annular grooves, rotor plates in said grooves secured between the walls thereof and means to facilitate swaging of the shaft between the plates in the grooves comprising knurled surfaces on said shaft.

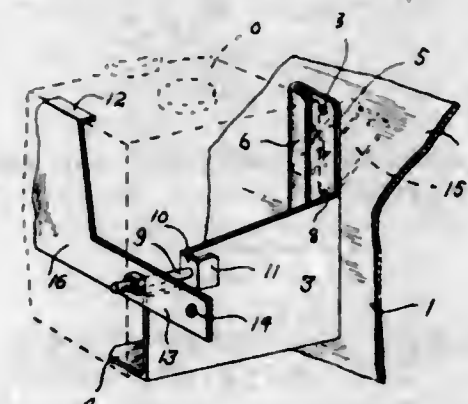
2,435,375

BATTERY BRACKET AND HOLDER

Carl A. Werner, Superior, Wis.

Application February 18, 1946, Serial No. 648,313

5 Claims. (Cl. 180-68.5)



1. A bracket for holding a battery on a support comprising two like major parts and a minor part, said major parts each comprising a battery engaging main vertical wall portion, a horizontal supporting portion extending at right angles from the lower end of said main wall portion on which said battery may stand, a support engaging vertical portion extending at right angles to said main wall portion in the same direction as said horizontal portion and having means for securing said major parts to said support, the longitudinal vertical edge of said support engaging portion being bent inwardly forming a battery engaging bead, and said main wall portion having a portion thereof bent outwardly in a direction opposite to said horizontal portion to hold means to adjustably unite said minor part with said major parts, said minor part being removable and adjustable and forming a closure to hold said battery within said bracket.

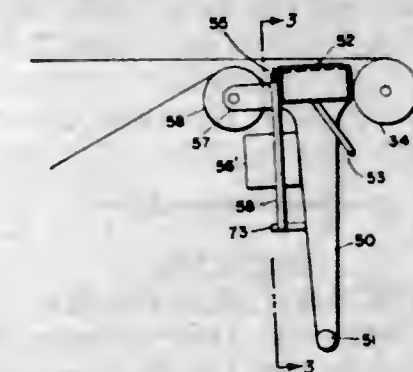
2,435,376

PAPER JOINING MACHINE

Kenneth H. Wilcoxon, Cabin John, Md.

Application September 18, 1944, Serial No. 554,709

3 Claims. (Cl. 154-42)



1. In a machine adapted normally to have a web of fabric moving therethrough, means for joining to such a web another web, said means comprising a member adapted to lie adjacent one side of the said first web when in one position and having means for releasably holding one end of said other web, means for stopping said first mentioned web, means for applying pressure to one of said webs thereby to force the same against the other web, means for cutting said first mentioned web behind the joint thus formed and for releasing said second mentioned web, and a roller

or the like adapted to receive said other web ahead of said member, a roller behind said member, said cutting means being located between said member and the first mentioned roller and having a cutting stroke ending beyond the periphery of said roller.

2,435,377

MAN'S UNDERGARMENT

Rothermel Wise, Lancaster, Pa.

Application March 7, 1946, Serial No. 652,551

3 Claims. (Cl. 2-234)



1. An undergarment composed of knitted material comprising a composite front panel having upper, intermediate and lower sections, the upper and intermediate sections extending from side to side, the said upper section extending from the waistline to substantially the groin line of the garment and from side to side thereof, the intermediate section extending from said groin line downwardly to and terminating just above the crotch, said intermediate section comprising two panels overlapping each other at the center of the garment and forming a fly opening, the lower section being attached to the lower edge of the intermediate section and forming the front of the crotch portion of the garment, said upper section having its wales running in a vertical direction to provide horizontal stretch of the garment, and relatively inelastic means connecting the upper and intermediate sections and the intermediate and lower sections and extending across the garment from side to side thereof.

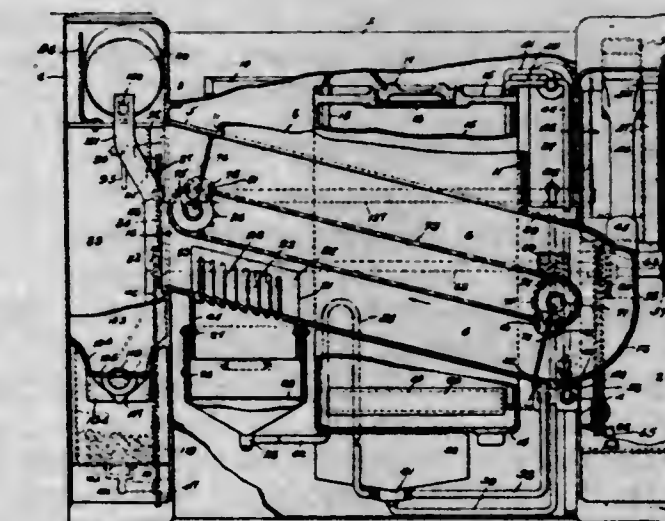
2,435,378

CORN POPPING AND DISPENSING APPARATUS

Ernest E. Zideck, Detroit, Mich., assignor of one-half to Joseph Hagler, Ortonville, Mich.

Application October 31, 1944, Serial No. 561,304

17 Claims. (Cl. 99-238.4)



13. Popcorn dispensing apparatus including an inclined popping chamber having an open upper end, a hopper for receiving material from said end, a heating element, a hot fats holder constituting means for transmitting heat from the heating element to the popping chamber, means

for directing measured quantities of unpopped corn into the popping chamber, means for directing hot fats from the holder under pressure into the popping chamber, means for conveying popped corn to the open end of the popping chamber for delivery into the hopper, and a valve normally closing the hopper, said valve including a rotatable salt dispenser, and means operating in timed relation with the conveyor for directing salt into the dispenser.

2,435,379

PREPARATION OF SPHEROIDAL CATALYST
Raymond C. Archibald, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 14, 1943, Serial No. 514,295
4 Claims. (Cl. 252—259.2)

1. In a method for preparing substantially spheroidal catalyst particles suitable for use in moving-bed catalyst reaction systems, the steps of contacting an acidic, inorganic sol capable of forming a gel in the form of dispersed droplets with a body of liquid substantially immiscible with said sol, said liquid containing ammonia as a coagulating agent in solution, and maintaining said droplets dispersed in said liquid for a time sufficient to convert said sol droplets into relatively stable gel particles of spheroidal shape.

2,435,380

PROCESS FOR PREPARING CATALYSTS
Raymond C. Archibald, Berkeley, and Robert A. Trimble, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 4, 1944, Serial No. 552,714
22 Claims. (Cl. 252—228.4)

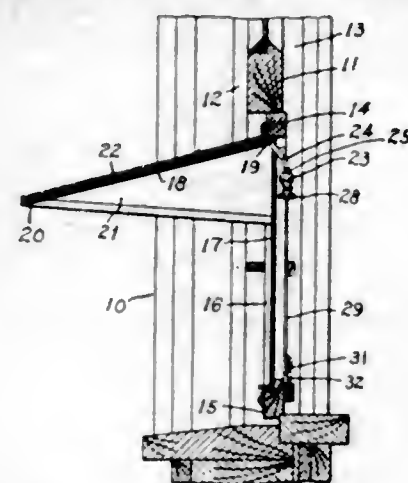
1. An improved process for preparing a catalyst of mixed sulfides of an element of the left sub-group of group VI of the periodic table and of a metal of the iron-group, comprising the steps of treating an aqueous alkaline solution of a salt of a thioacid of said element with an aqueous solution of a water-soluble salt of said metal and with a water-soluble acid to precipitate the sulfides of said element and of said metal, said thioacid salt solution containing sulfide ions in an amount at least equivalent to said metal and said acid being in sufficient amount to obtain a pH of between 1 and 3 at which the sulfide of said element is substantially insoluble the precipitation being carried out at a temperature below about 50° C., removing the water from the precipitate of mixed sulfides, and subjecting the resulting dried sulfides to reducing conditions.

2,435,381

WINDOW SCREEN SHUTTER
George A. Borts, Alliance, Ohio
Application January 20, 1945, Serial No. 573,725
4 Claims. (Cl. 98—1)

1. Ventilator and shutter construction including a ventilator frame, a shutter hinged at its upper edge to said frame for swinging downwardly thereon by gravity, a folding lever arm comprising a yoke, means rigidly attaching the yoke at an angle to said shutter, a ring pivoted in said yoke, a rod slidably mounted near its upper end in said ring, a shoulder at the upper end of the rod, a socket in the yoke adapted to receive the upper end of said rod, and latch means on the frame releasably engaging the lower portion of the rod when the upper end of the rod is engaged

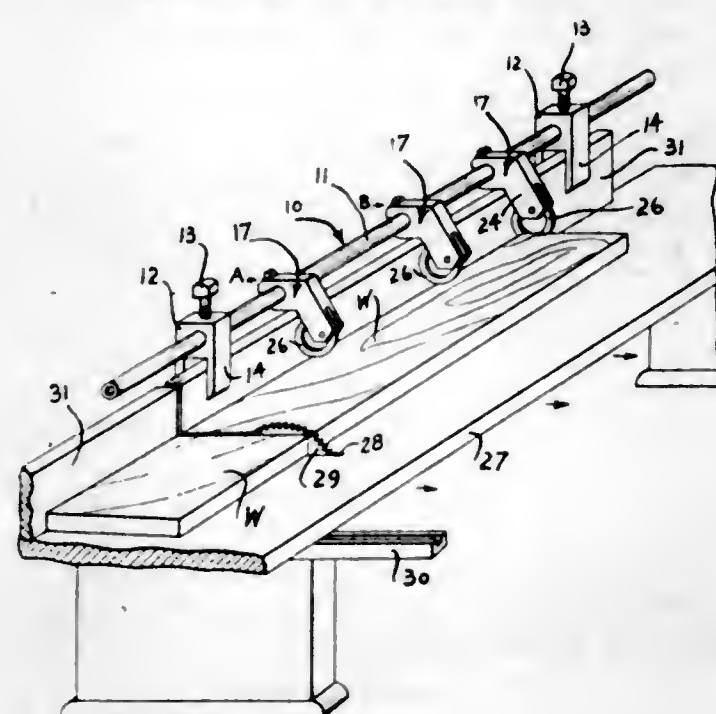
in said socket for holding the shutter in open position and arranged to fracture when moist-



tened to released the lever arm for automatically closing the shutter.

2,435,382

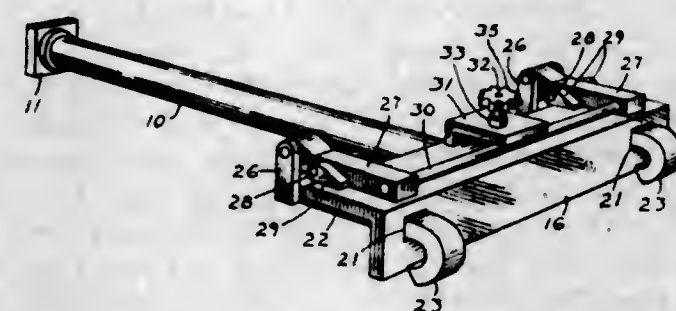
ADJUSTABLE AUTOMATIC SAW-TABLE GAUGE
Henry T. Caskey, Oakland, Calif.
Application April 11, 1945, Serial No. 587,730
2 Claims. (Cl. 143—174)



2. The combination with a saw having a movable table and a fence, of a gauge comprising a supporting bar, means to clamp the supporting bar to the fence, stops carried by the supporting bar and overhanging the table, each stop bifurcated at its overhanging end and stop rings suspended in the bifurcated ends of the stops and adapted to rest upon the table when no work is supported on the table beneath the overhanging ends of the stops.

2,435,383

TRAILER HITCH
Paul Chaffin, Harristown, Ill.
Application October 11, 1946, Serial No. 702,838
7 Claims. (Cl. 280—33.44)

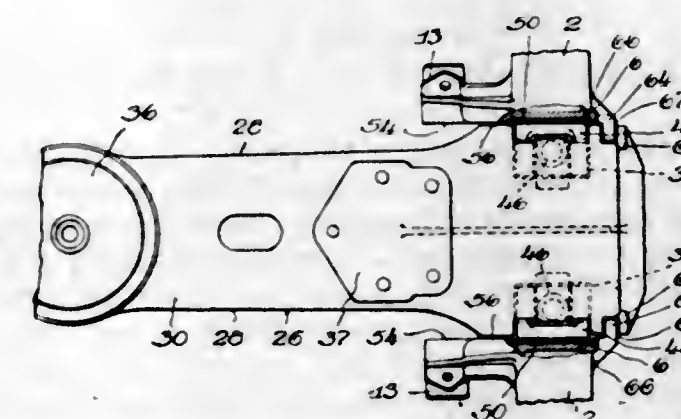


1. A trailer hitch comprising an elongated draft-bar mountable with freedom of rotation

about its longitudinal axis on the trailer, said draft-bar having a hitching cross-head at its forward end, a pair of longitudinally movable and upwardly and downwardly swingable lock members located respectively on said cross-head adjacent opposite ends of the same, the forward ends of said lock members having keeper-engagement hooks, lever members hingedly mounted on said cross-head in substantially parallel relation above said lock members, an operative connection between the rearward ends of said lock members and said lever members whereby movement of the lever members imparts either an opening or closing movement to said lock members depending upon the direction of movement of said lever members, and a releasable clamping member on said cross-head holding said lever members in the closed position of said lever members and that of said lock members and for releasing both sets of members, at will.

2,435,384

RIDE CONTROL TRUCK
Claus J. Werner Clasen, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 17, 1944, Serial No. 563,822
17 Claims. (Cl. 105—197)



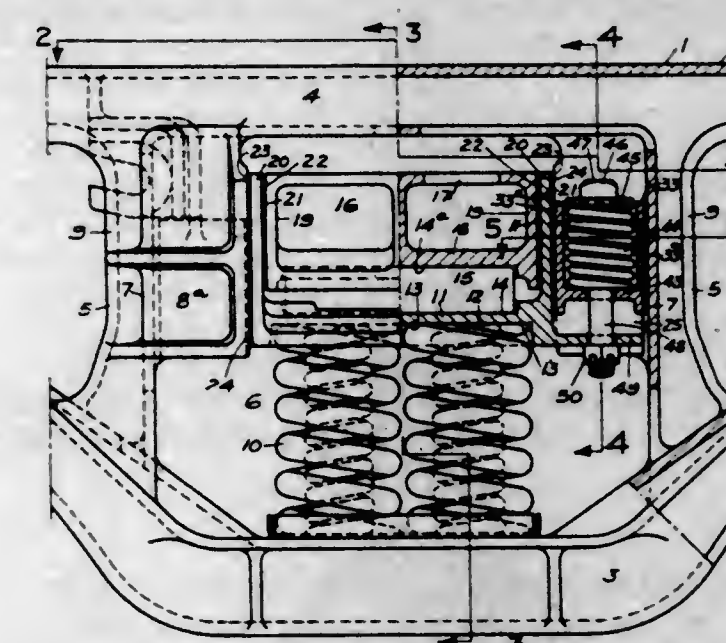
12. In a railway car truck, a side frame having spaced columns defining in part a bolster opening, a spring group in said opening, a bolster end seated on said spring group, a vertical flange extending outwardly from the inboard side of each column, opposed bolster guide surfaces on said flanges for engagement with the side walls of said bolster end when a violent lateral movement of the bolster occurs, friction means housed in said side walls and in engagement with said columns and accommodating only relatively minor oscillations of said bolster, and interlocking means on said columns on the outboard side thereof cooperating with said bolster end to slidably interlock said bolster end therewith.

2,435,385

FRICTION DAMPED RAILWAY TRUCK
Glenn F. Couch, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application October 9, 1944, Serial No. 557,869
20 Claims. (Cl. 105—186)

2. In a railway truck wherein a side frame is provided with spaced columns each having transversely spaced surfaces therein and a transversely movable bolster positioned between the columns, the combination of, a spring plate between said columns in supporting relation to said bolster and bearing upon a nest of coil springs, shoes between said spaced surfaces and rigid with said spring plate, wedges between said spaced surfaces and engaging said shoes, oppositely facing pockets in

said shoes and wedges, wear means interlocked with said shoes and wedges in said pockets, and



resilient means in said pockets urging said wear means against said spaced surfaces.

2,435,386

ELECTRON DIFFRACTION CAMERA
Norman R. Davidson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 27, 1946, Serial No. 686,692
17 Claims. (Cl. 250—49.5)



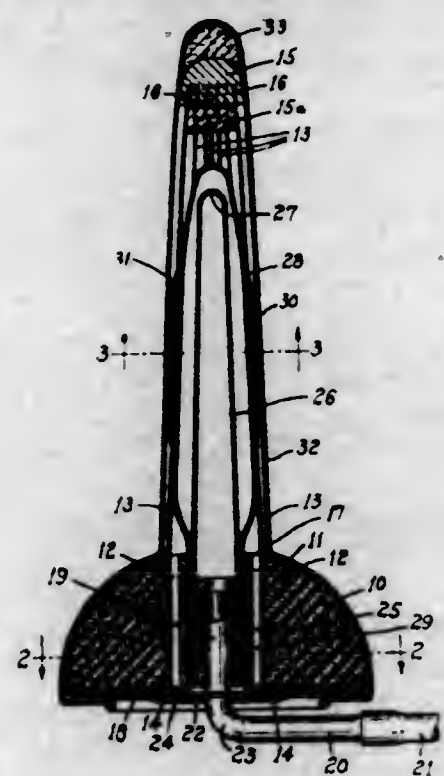
1. The method of employing a monokinetic electron beam and a substantially uniform magnetic or radial electrical field for deriving an electron diffraction pattern of a specimen comprising projecting said beam through said field to refract said beam in an arcuate path, introducing said specimen into said field and into the middle region of said beam path to provide diffraction of electrons of said beam, and imaging said diffracted electrons at the completion of said path to provide a sharply focused electron diffraction pattern of said specimen.

2,435,387

INFLATABLE DILATOR
Harry L. Eckard, Massillon, and James W. Kennedy, Canton, Ohio, assignors to Better Health, Inc., Massillon, Ohio, a corporation of Ohio
Application August 14, 1946, Serial No. 690,526
12 Claims. (Cl. 128—344)

1. A dilator comprising a base, an inner stretchable sack supported by the base, an outer

stretchable cover, a set of metal guards between said sack and said cover, a band of non-stretch-

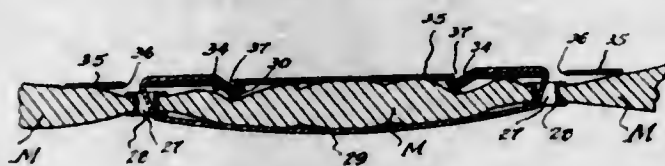


able material surrounding and attached to said metal guards, and means for distending said sack and cover and said metal guards.

2,435,388

MATTRESS HANDLE

Annette Fridolph, New York, N. Y.
Application February 8, 1940, Serial No. 317,797
In Great Britain February 8, 1939
12 Claims. (Cl. 16—125)

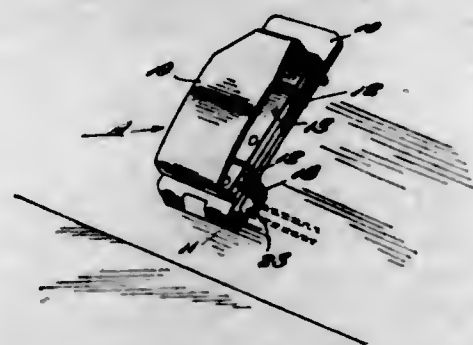


1. A handle for use on upholstered articles such as mattresses or the like comprising a fibrous wall having spaced apertures formed therein, a flexible handle strip, means at each end of said handle forming a transverse, relatively stiff head, and means freely positioned behind said wall for receiving said heads comprising a relatively stiff member extending along said wall in alignment with the apertures therein, said heads being arranged to be projected through said apertures and retained by said member by margins of apertures of less width than said heads, said handle being arranged to extend between said apertures on said wall.

2,435,389

STOP LIGHT SWITCH FOR AUTOMOBILES

Wilford R. Good, Clio, Mich.
Application January 19, 1946, Serial No. 642,239
1 Claim. (Cl. 200—59)



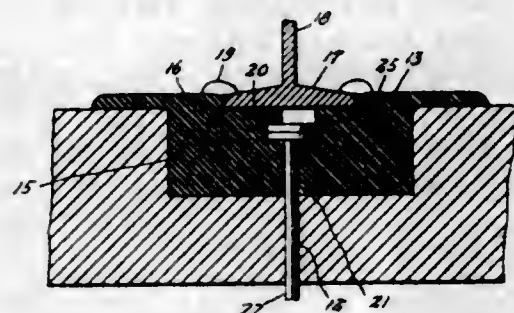
A stop light switch adapted detachably to be secured to the accelerator pedal of a motor ve-

hicle comprising a body of electrical insulating material extending substantially throughout the length and breadth of the accelerator pedal, said body having a substantially V-shaped recess in its upper end, a contact plate on the upper convergent wall of the recess, a treadle of yielding conducting material fixed to the body at the end opposite the recess, said treadle being of a length and breadth coincident with the length and breadth of the body and lying in spaced relation to the top surface of the body, an intumed tongue of conducting material on the end of the treadle opposite the fixed end, said tongue extending into the recess and engaging the contact plate when there is no pressure on the treadle.

2,435,390

TIE AND TIE PLATE ASSEMBLY

Philip D. Grover, Chicago, Ill.
Application September 26, 1944, Serial No. 555,866
1 Claim. (Cl. 238—10)

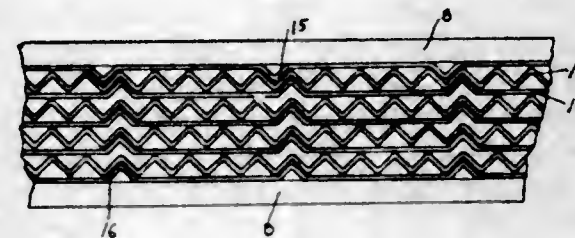


In a tie and tie plate assembly for model railroads, a tie having parallel transverse grooves therein, tie plates of resilient insulating material, depending portions associated with said tie plates engageable in said grooves, and means integral with said tie plates for securing a rail thereto, said last-mentioned means comprising extending protuberances secured to said plate and formed in simulation of spike heads.

2,435,391

RIBBON BURNER

Sarah H. Gunderman, Pittsburgh, Pa.
Application February 28, 1944, Serial No. 524,234
3 Claims. (Cl. 158—116)



1. In a ribbon burner having a grid for dividing a gas stream into a multitude of small streams, said grid comprising a plurality of metal strips made of a combination of two alternate strips having transverse angular grooves of different depth and spacings and arranged side by side to form a grid one of said strips having wide angular grooves uniform in size and equally spaced throughout, the other strip having straight portions and narrow and shallow angular grooves uniform in size and spaced at intervals and when the strips are arranged side by side each narrow groove will nest within one wide groove to form a grid, the space between the two different angles on the said strips being means for allowing for the expansion and contraction of the straight portions of the strips.

2,435,392

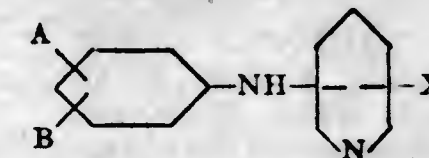
AMINO ARSENICALS AND PROCESS FOR PREPARING SAME

Cliff Struthers Hamilton, Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application June 19, 1943,
Serial No. 491,563

15 Claims. (Cl. 260—271)

1. A compound of the formula



where the NH group is attached to the pyridine nucleus at one of the positions 2 and 4, B is a member of the class consisting of —H, —OH, —O-alkylene-OH, —Cl and —Br, X is a member of the class consisting of —H, —NO₂, —NH₂ and —NH₂HA', A' being the anion of an acid having a dissociation constant of at least 10^{-3.5}, A is an arsenical grouping of the class consisting of —AsO₂H₂, —AsO₂HM, —AsO₂M₂, —AsO, —As(OH)₂, —As(SCH₂COOH)₂ and

—As(SCH₂COOM)₂

and M is a basic salt-forming group.

2,435,393

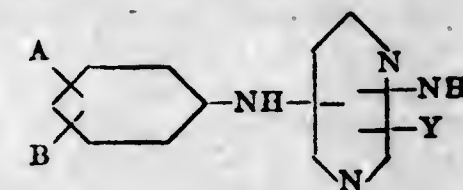
ARSENIC DERIVATIVES AND PROCESS OF PREPARING SAME

Cliff Struthers Hamilton, Lincoln, Nebr., and Clarence Kenneth Banks, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application June 19, 1943,
Serial No. 491,564

13 Claims. (Cl. 260—242)

1. A compound of the formula



and its HA' acid addition salts, where B is a member of the class consisting of —H, —OH, —O-alkylene-OH, —NH₂ and NO₂, Y is a member of the class consisting of —H, —NH₂, —Cl, —Br, —alkyl, —alkylene-OH, A' is the anion of an acid having a dissociation constant of at least 10^{-3.5}, A is an arsenical grouping of the class consisting of —AsO₂H₂, —AsO₂HM, —AsO₂M₂, —AsO, —As(SCH₂COOH)₂, and

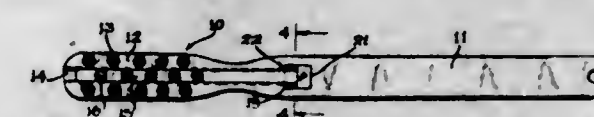
—As(SCH₂COOM)₂

and M is a basic salt-forming group.

2,435,394

ADJUSTABLE TOOTHBRUSH

James P. Hawley, Bronxville, N. Y.
Application December 26, 1946, Serial No. 718,473
5 Claims. (Cl. 15—201)



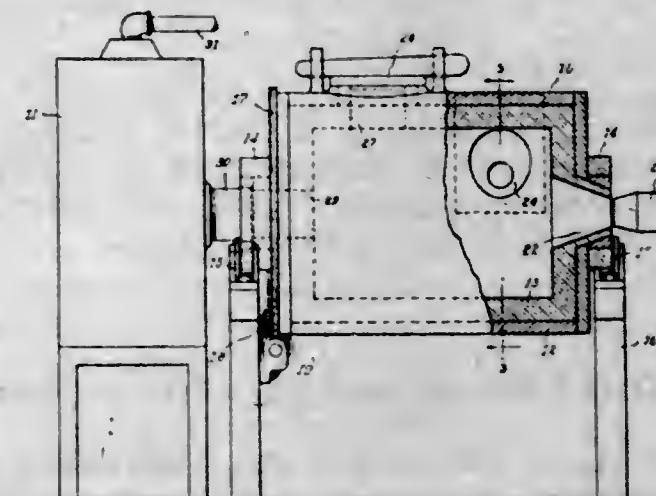
1. A brush having a brush head and a handle portion, said brush head and handle portion having a slot extending axially therethrough, said

brush head having brush bristles at opposite sides of the slot and respectively in transverse alignment with one another, a slide longitudinally adjustable within the slot and having bristles adapted to be aligned with the bristles on the brush head, means disposed within the handle for limiting the movement of the slide whereby the bristles upon the slide may be brought into either transverse alignment with the bristles on the brush head or staggered with respect thereto, said means for limiting the movement of the slide comprising a button secured to the inner end of the slide, and an opening in the handle adapted to be abutted by the button, at one end or the other when the slide has been moved into one or the other of its positions.

2,435,395

FURNACE BURNER ARRANGEMENT

Robert C. Hopkins, Alliance, Ohio
Application December 20, 1943, Serial No. 514,933
2 Claims. (Cl. 263—33)

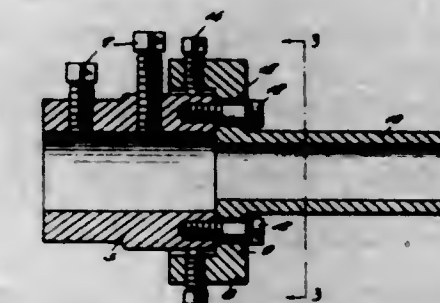


1. In combination with a horizontal cylindrical furnace having a charging and pouring door in one side, an axially disposed opening in each end and a tangentially disposed opening adjacent to one end, a tangentially disposed burner communicating with the tangential opening and an axial burner communicating with the adjacent axial opening, the other axial opening forming a discharge port for the products of combustion of the burners.

2,435,396

CENTERING RING FOR ADJUSTABLE TOOL HOLDERS

Alfred Fred Koch, Cincinnati, Ohio
Application December 4, 1944, Serial No. 566,427
1 Claim. (Cl. 279—6)

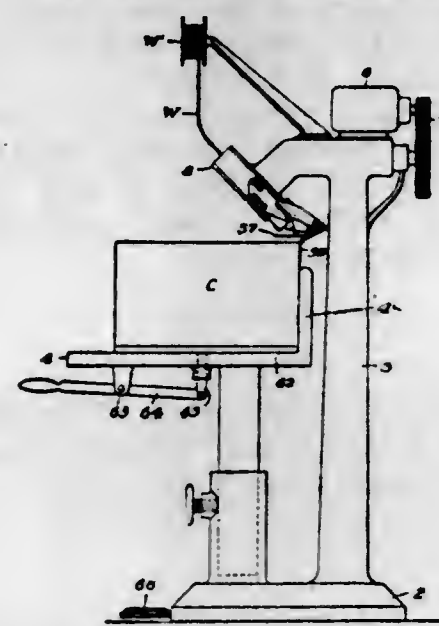


A centering attachment for the tool holder of a lathe and comprising a bushing adapted for mounting in the lathe, a flange on the outer end of the bushing, a ring on the outer edge of the flange and adapted for freely receiving one end of the tool holder, studs freely inserted through the flange and engaging the tool holder and set screws carried by the ring for engaging the sides of the tool holder to center the tool holder in the ring.

2,435,397

CONTAINER CLOSING METHOD AND APPARATUS

Joseph C. Lang, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application March 3, 1944, Serial No. 524,849
13 Claims. (Cl. 93-42)

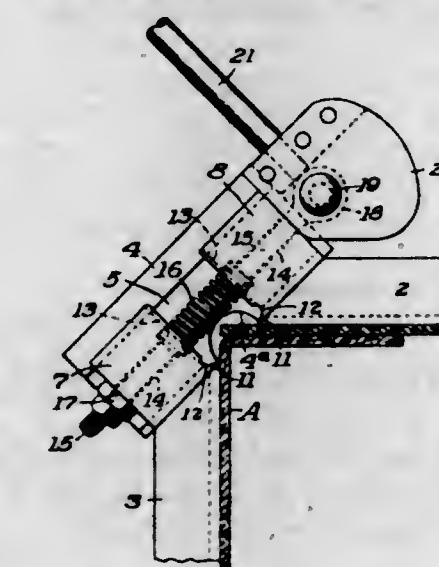


1. The method of closing a carton which comprises pinching together a corner between two intersecting initially disconnected perpendicular surfaces thereof together into parallelism and passing fastening means therethrough.

2,435,398

METHOD AND APPARATUS FOR CLOSING CARTONS

Joseph C. Lang, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application June 3, 1944, Serial No. 538,578
21 Claims. (Cl. 93-42)



1. Apparatus for setting fasteners comprising a pair of opposed jaw members adapted to engage and squeeze intersecting portions of the object to be fastened into a gather, and means for shaping a fastener around and through said gather.

2,435,399

PROCESS FOR THE PREPARATION OF INDOLALHYDANTOIN

John E. Livak and Maxton F. Murray, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 23, 1944, Serial No. 560,032
4 Claims. (Cl. 260-309.5)

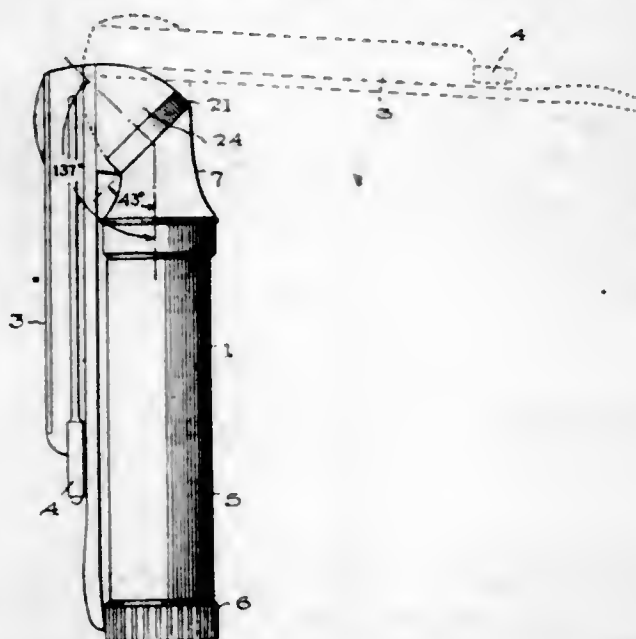
1. In a method for the production of tryptophane from 3-indole aldehyde and hydantoin,

the step of heating to a reaction temperature between 50° and 120° C., a mixture of one part by weight of 3-indole aldehyde, approximately its molecular equivalent of hydantoin, and at least one part by weight of an alkanolamine selected from the class consisting of di- and tri-alkanolamines having from 2 to 3 carbon atoms in each alkanol radical.

2,435,400

LARYNGOSCOPE

Walter K. Long, Auburn, N. Y., assignor to William N. Allyn, Skaneateles, N. Y.
Application October 5, 1945, Serial No. 620,459
25 Claims. (Cl. 128-11)

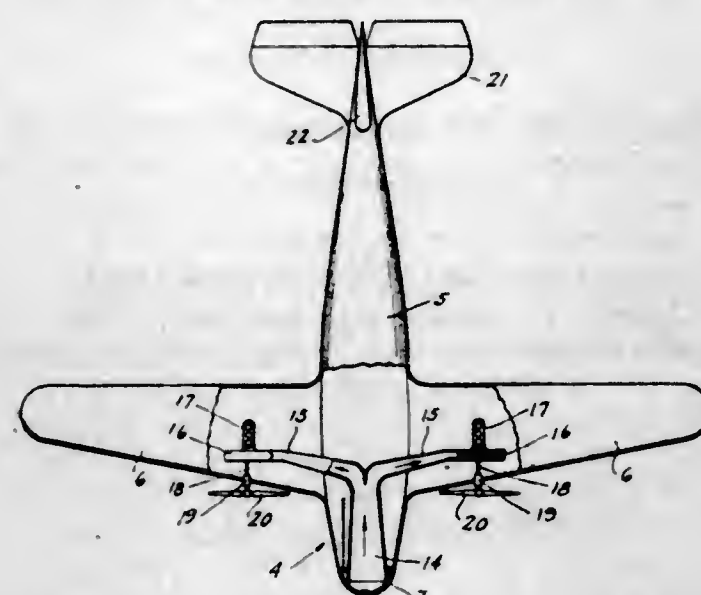


1. An instrument of the class described, comprising a supporting handle having a flat, inclined face on one end thereof, a laryngeal blade having a head on one end thereof, said head being provided with a corresponding flat, inclined face, and means for pivotally connecting the blade to the handle with the respective inclined faces in rotative abutting engagement with each other, whereby on rotation of the blade to one position relative to the handle, the blade will assume a folded position substantially parallel and adjacent to the handle, and on rotation of the blade to another position, the blade will assume an extended position projecting from the handle substantially laterally therefrom.

2,435,401

AUXILIARY PROPELLER DRIVE

Robert P. Martin, Seattle, Wash.
Application April 24, 1942, Serial No. 440,331
1 Claim. (Cl. 244-53)



In a propulsion system for an aircraft comprising a fuselage, wings on the fuselage, a plurality

2,435,403

CYCLIC ALCOHOLS AND THEIR PREPARATION

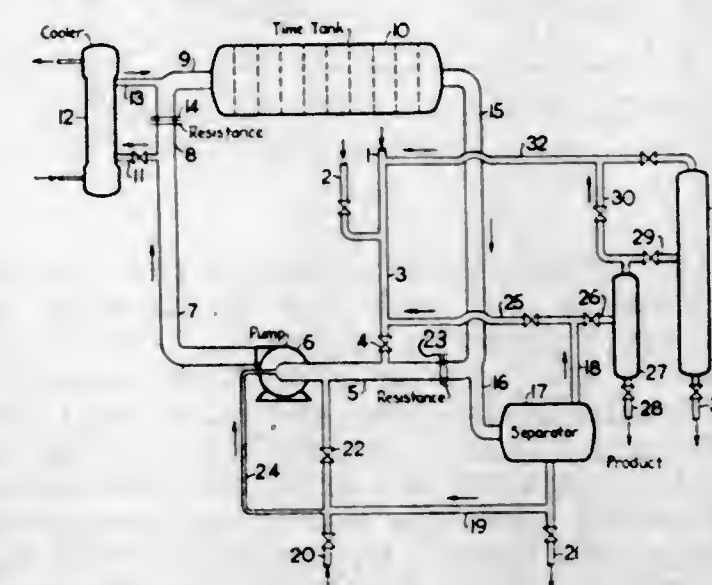
Rupert C. Morris, Berkeley, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 30, 1942, Serial No. 441,245
8 Claims. (Cl. 260-617)

1. A process for preparing cyclohexyl methyl carbinol from butadiene and methyl vinyl ketone which process comprises reacting butadiene with methyl vinyl ketone at a temperature of about 100° C. and at a pressure sufficient to maintain the methyl vinyl ketone in the liquid phase, reacting the resulting cyclohexenyl methyl ketone with hydrogen in the presence of Raney nickel catalyst at a pressure of about 40 atmospheres and at a temperature of about 165° C., and separating the resulting cyclohexyl methyl carbinol.

2,435,402

PRODUCTION OF MOTOR FUELS

Sumner H. McAllister, Lafayette, and Edwin F. Bullard, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 14, 1938, Serial No. 245,714
13 Claims. (Cl. 260-683.4)

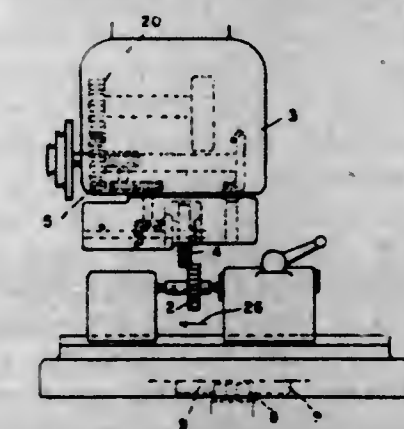


12. In a process of alkylating a saturated tertiary carbon atom-containing hydrocarbon by reaction with an olefinic compound of the group consisting of olefinic hydrocarbons and the corresponding unsaturated chlorides in the presence of concentrated sulfuric acid, the improvement which comprises maintaining a circulating stream of a dispersion of catalyst acid and saturated tertiary hydrocarbon-containing reaction mixture, feeding into said stream of circulating dispersion said olefinic compound and a stoichiometric excess of saturated tertiary carbon atom-containing hydrocarbon, withdrawing a portion of the reacted dispersion while recycling remaining dispersion having the same composition to contact with the reactants, separating the withdrawn dispersion into a phase containing alkylation product and excess unreacted saturated tertiary carbon atom-containing hydrocarbon and an acid phase, dividing said separated alkylation product-containing phase into two streams each having the same composition, recycling one of said separated alkylation product-containing streams to mix with the feed of said olefinic compound before it contacts the acid whereby a substantially higher ratio of said saturated tertiary carbon atom-containing hydrocarbon to said olefinic compound is maintained at the point of contact of said olefinic compound with the acid than is present in the feed, fractionating the other of said alkylation product-containing streams to separate the alkylation product from the excess unreacted tertiary carbon atom-containing hydrocarbon present therein and returning the latter to mix with the feed.

2,435,405

METHOD OF SHAVING GEARS

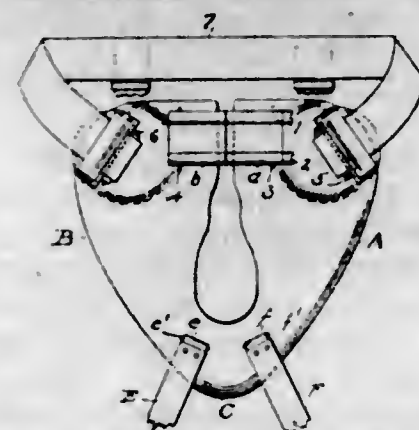
Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Original application January 10, 1944, Serial No. 517,726, now Patent No. 2,380,261, dated July 10, 1945. Divided and this application March 19, 1945, Serial No. 583,433
3 Claims. (Cl. 90-1.6)



1. The method of shaving the teeth of a narrow face width gear member which comprises rotating the gear member and a circular gear-like cutter member in mesh at crossed axes with the center of crossed axes passing through the cutter member adjacent one end thereof, reciprocating one of the members parallel to the axis of the gear member while the members are in mesh so that the center of crossed axes traverses the entire face of the gear member, and relatively feeding the members toward each other at one end only of the reciprocations.

2,435,406
TRUSS

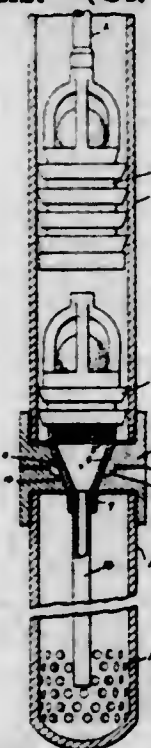
Edgar E. France, Quitman, Ga.
Application January 18, 1946, Serial No. 642,073
2 Claims. (Cl. 128—96)



1. A truss comprising a body member composed of separate right and left hand sections united at their lower ends and relatively adjustable laterally, said sections being rigid at their upper portions and increasing in flexibility toward their lower extremities, an adjustable connection between their upper ends, and body straps connected to said sections.

2,435,407
OIL WELL PUMP

Durham W. Pryor, Lockport, Ill.
Application January 25, 1946, Serial No. 643,388
6 Claims. (Cl. 103—39)



1. An oil well pump comprising a length of pipe, having perforations at the lower end thereof, a second length of pipe, a coupling interconnecting said pipes, a standing valve in said second pipe, a hollow inverted cone-shaped tube carrying said standing valve, said coupling having an inverted cone-shaped seat formed on the interior thereof for receiving said cone-shaped tube and radial orifices extending laterally therethrough, said cone-shaped tube also having radial orifices extending laterally therethrough and communicating with said first-mentioned orifices and forming lateral air passages therewith, a piston in said second length of pipe, and a valve associated with said piston.

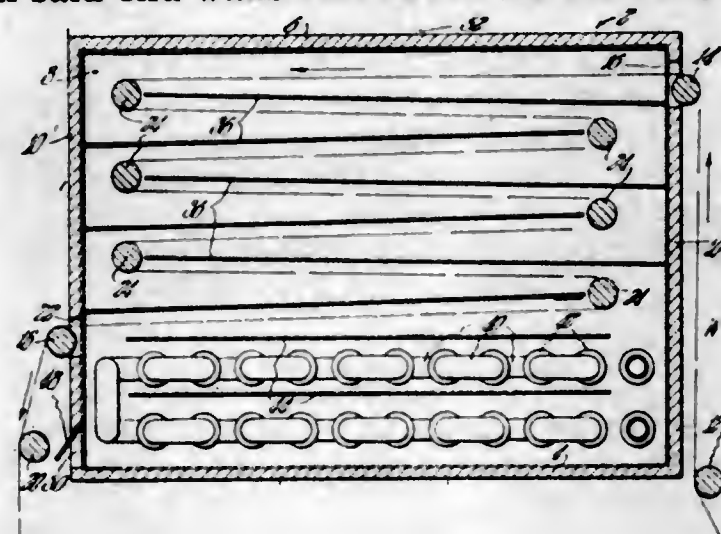
2,435,408

WEB DRIER WITH ZIGZAG RUNS

Alphonse Rancourt, Pittsfield, Mass., assignor to
Bradford C. Dennis, Pittsfield, Mass.
Application October 4, 1946, Serial No. 701,155
1 Claim. (Cl. 34—159)

An apparatus of the class described comprising in combination, opposite and adjacent lower, up-

per, side and end walls forming a closed compartment, one end wall adjacent its upper end having an entrance slot for a web of cloth and the opposite end wall having an outlet slot below the plane of said entrance slot, a row of rolls rotatable on horizontal axes disposed in vertically spaced relation adjacent said end walls and between said slots for guiding a web of material from said entrance slot back and forth in horizontal runs to said outlet slot, said rolls of one row having their longitudinal axes disposed in horizontal planes intermediate corresponding planes of the rolls of the other row, substantially horizontal baffles spaced vertically in said compartment secured to said side walls, said baffles inclining upwardly from said end walls and above the rolls adjacent

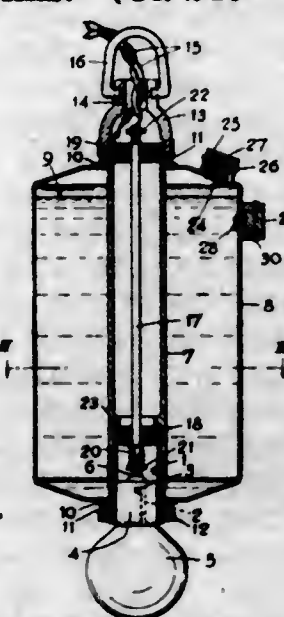


thereto to the longitudinal axes of the rolls adjacent opposite end walls and terminating adjacent thereto providing horizontal passageways connected at the ends thereof adjacent said rolls, heating means in the lower portion of said compartment, and a baffle extending between said side walls and terminating at a distance from said end walls providing upwardly extending passageways at opposite ends thereof for heated air from said lower portion of the compartment to the lowermost horizontal passageway, and the opposite end wall having an inlet for air leading into said lower portion of the compartment, said heating means including a continuous conduit for steam having spaced runs disposed in parallelism with said rolls and provided with radiating fins.

2,435,409

COOLING ELECTRIC LAMPS

Kenneth Frederick Rushton, Bedmond, near
Watford, England
Application March 13, 1945, Serial No. 582,443
In Great Britain May 13, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 16, 1963
2 Claims. (Cl. 240—47)



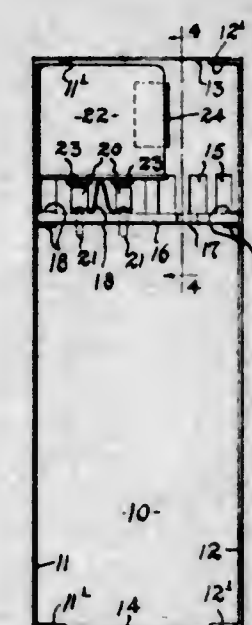
2. A self-contained liquid-cooled electric lamp-holder for supporting an electric lamp bulb with

a single pole cap, comprising a container for a liquid coolant, a tube extending through an entire dimension of said container, an electric lamp socket mounted at one end of said tube, insulating means mounted in said tube, a rigid conductor guided by said insulating means and axially slidable within said tube, and carrying collar means adjacent either end, and spring means co-acting with one of said insulating means and one of said collar means for urging the said rod against the single pole of an electric lamp cap inserted in said socket, the other of said collar means co-acting with the other of said insulating means to limit the action of said spring means.

2,435,410

BALLAST STRUCTURE FOR ELECTRON DISCHARGE DEVICES

Walter H. Simson, Ridgewood, N. J., assignor to
Duro-Test Corporation, North Bergen, N. J., a
corporation of New York
Application April 6, 1946, Serial No. 660,024
3 Claims. (Cl. 174—52)



1. An article of manufacture comprising a housing having a series of vents in the walls thereof, an insulating partition within said housing, supporting clips engaging said partition on opposite sides and formed from the material struck out to form said vents, spring contact fingers mounted on said partition, a ballast component having electrical connections, and means for resiliently holding said component in said housing with its contacts in engagement with said spring fingers.

2,435,411

DIOLEFINE POLYMER RESINS

Frank J. Soday, Swarthmore, Pa., assignor to The
United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 7, 1942,
Serial No. 450,084
2 Claims. (Cl. 260—93)

1. As a new composition of matter, the resinous polymer obtained by the polymerization in the presence of an acid-acting metallic halide catalyst of a light oil fraction free from more than 5% cyclopentadiene by weight and containing 50-80% diolefines, 20-48% amylenes, and 2-5% pentanes, and from 0.1-10% of a stabilizing agent consisting of the products of reaction of acetone with an aryl amine selected from the group consisting of aniline, p-amino diphenyl and diphenyl-p-phenylene diamine, said composition being free from objectionable odor due to oxidation of the resinous polymer.

607 O. G.—9

2,435,412

PLASTICIZED NATURAL RESIN MATERIAL

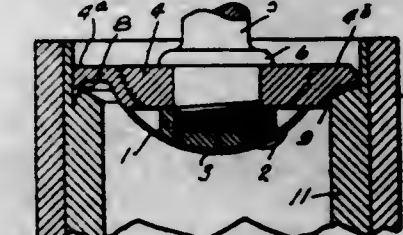
Frank J. Soday, Swarthmore, Pa., assignor to
The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application October 22, 1942,
Serial No. 462,995
11 Claims. (Cl. 106—240)

1. A new composition of matter comprising one of a group consisting of natural resins, esters of natural resins and hydrogenated esters of natural resins and as a plasticizer for said resin in aromatic oil having an aromatic hydrocarbon content of at least 95% and boiling above 210° C., said oil containing a plurality of oily aromatic hydrocarbons and having been physically separated from other components including pitch components of petroleum tar produced in the vapor phase pyrolysis at average temperatures above 1300° F. of petroleum oil in the production of combustible gas, in the composition the resin and aromatic oil being included in the reciprocal proportions of 30% to 70% of one and 70% to 30% of the other.

2,435,413

PIPE REAMER

Emory Day Stanley, Cranford, N. J.
Application June 19, 1947, Serial No. 755,567
6 Claims. (Cl. 131—246)



6. A smoking pipe reamer comprising a base member including a shell of substantially semi-spheroidal shape having burrs struck out therefrom and having its annular edge slotted in diametrically opposed portions, and an internally threaded socket member secured axially therein, the socket member having substantially the same width as the slot and having its top face on a level with the bottom of the slot, a blade fitting in the slot and resting on top of the socket member and having an opening therethrough substantially midway of its ends, the length of the blade being such that it protrudes beyond the base member at both ends when the opening is axially over the socket member, a cutter on each end of the blade, a stem passing through the opening and engaged in the socket, means on the stem to hold the blade in the slot when the stem is so engaged, and a handle on the stem.

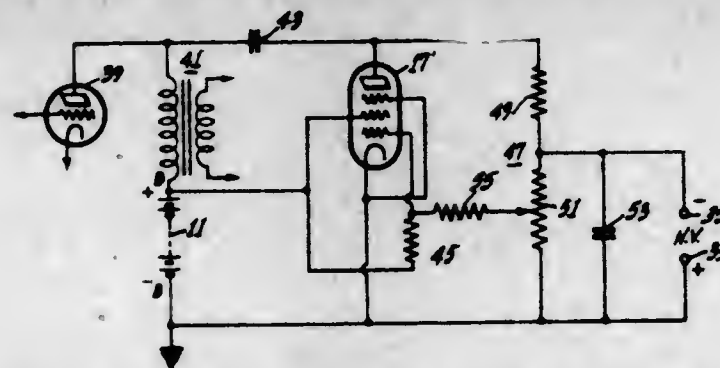
2,435,414

VOLTAGE REGULATED RECTIFIER CIRCUIT

George C. Sziklai and Robert R. Thalner, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application February 24, 1944, Serial No. 523,732
10 Claims. (Cl. 175—363)

1. Voltage regulating rectifier apparatus for a source of alternating potential comprising a thermionic tube having at least an anode, a cathode, a screen electrode and a control electrode, means for applying said alternating potentials between said anode and said cathode, a source of substantially stable predetermined bias potentials, means for applying said bias potentials to said screen and to said control electrodes to provide substantially constant anode-cathode current characteristics, means for deriving rectified

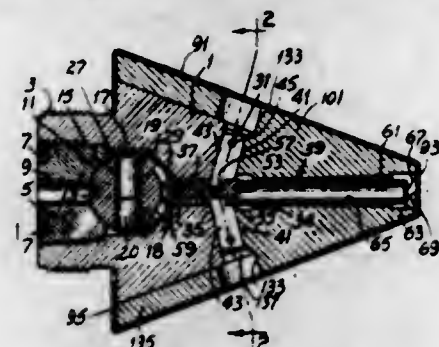
potentials from said tube, and means for applying at least a portion of said rectified potentials



to said control electrode to stabilize said derived voltage.

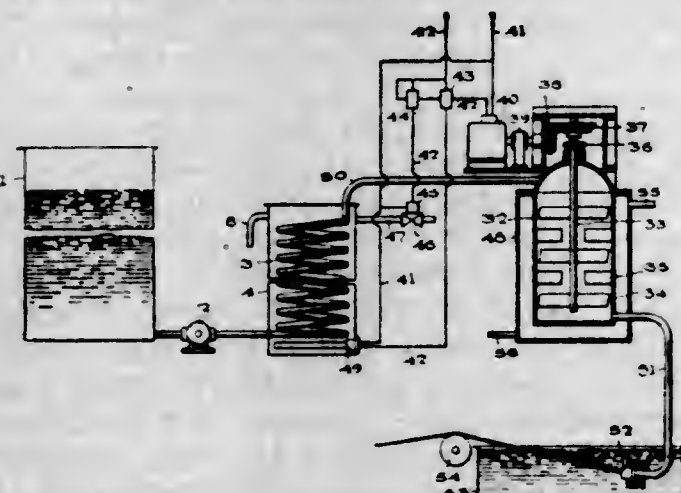
2,435,415 FUZE

Parke H. Thompson, Kirkwood, Mo., assignor to Amp Corporation, St. Louis, Mo., a corporation of Missouri
Application October 4, 1945, Serial No. 620,291
8 Claims. (Cl. 102-74)



1. A fuze comprising a body adapted to be spun upon a longitudinal axis, a gyroscopic rotor having a gyroscopic axis, an adjusting means cooperating with said rotor to position it in either of two acute angular positions of said gyroscopic axis with respect to said longitudinal axis, said rotor under rotation of the body being adapted to precess in opposite directions from the respective alternate position into a position of said gyroscopic axis parallel with said longitudinal axis, and a detonating means carried by the rotor having oppositely positioned "quick" and "delayed" elements adapted to be reversely related on said longitudinal axis depending upon which position the rotor assumes upon said axis.

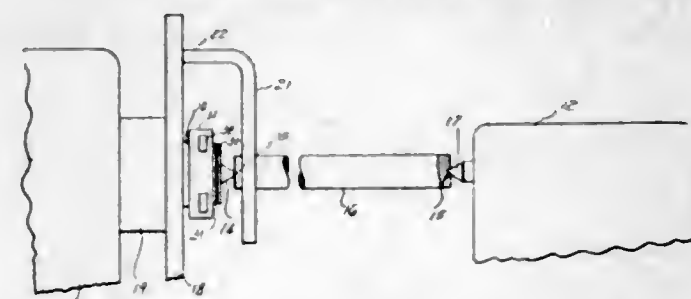
**2,435,416
APPARATUS FOR AGING SOLUTIONS OF COLLOIDAL MATERIAL**
Robin H. K. Thomson, Kilwinning, and William Sever, Troon, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 13, 1945, Serial No. 588,204
In Great Britain April 28, 1944
4 Claims. (Cl. 18-8)



1. Apparatus for wet spinning a solution of organic colloidal material which is susceptible

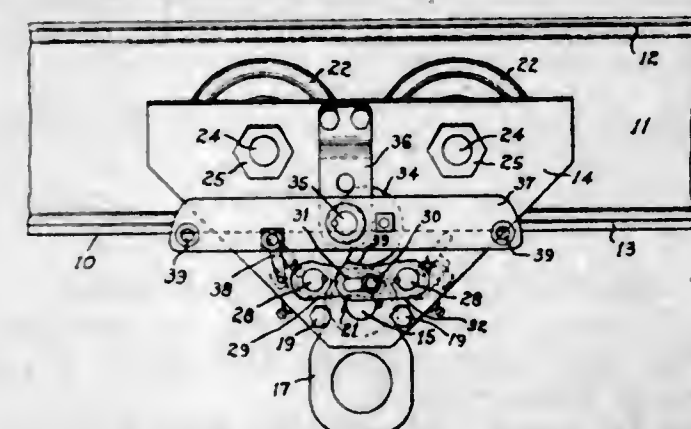
to progressive change in viscosity on ageing which comprises in combination a heat exchange unit with a heated element for continually heating a stream of the colloidal solution, a heat exchange unit for continually cooling a stream of the colloidal solution subsequently to heating in said first heat exchange unit to a substantially constant controlled lower temperature, means for controlling the amount of heat supplied to said heated element in accordance with variations in the viscosity of said cooled solution stream, a spinneret and a conduit leading from the first heat exchange unit through said cooling unit and said heat supply control means to said spinneret.

**2,435,417
COMPENSATING CENTER SUPPORT**
David W. Wirebaugh, Cincinnati, Ohio
Application June 26, 1945, Serial No. 601,574
17 Claims. (Cl. 82-33)



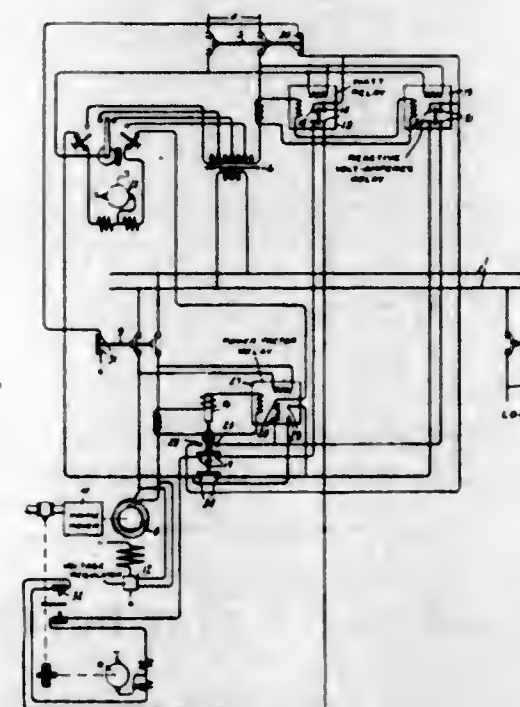
1. A compensating center for rotatably supporting a work piece comprising the combination of a supporting sleeve, a plunger adjustable longitudinally of said sleeve and having a conical tip adapted to engage in a center hole in a work piece and having an externally threaded portion, and contractable means cooperating with the externally threaded portion of the plunger and actuated by movement of said work piece to a predetermined position with respect to said sleeve for automatically clamping said plunger in adjusted position.

**2,435,418
TROLLEY LOCKING DEVICE**
Hal F. Wright, Lisbon, Ohio, assignor to Chester Manufacturing Company, Lisbon, Ohio, a firm
Application March 5, 1945, Serial No. 581,123
11 Claims. (Cl. 188-42)



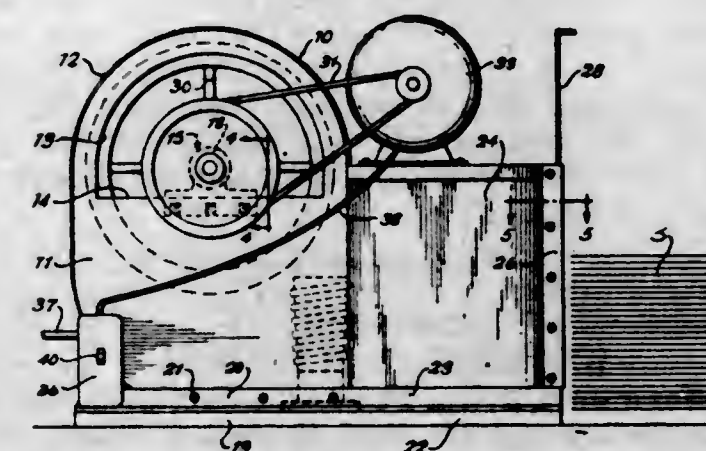
1. In combination with a flanged rail, a trolley including spaced side plates, means connecting the side plates together at their lower ends, pairs of wheels journaled upon the inner sides of the side plates and mounted upon the flanges on opposite sides of the rail, a spaced pair of oppositely angled cam locking members pivotally mounted between the side plates below the rail, one locking member being located below each pair of wheels and means for operating said cam locking members in unison to move them into frictional engagement with the under side of the rail at points substantially below the centers of each pair of wheels to lock the trolley against movement in either direction on the rail.

**2,435,419
POWER AND REACTIVE VOLT-AMPERE REGULATING ARRANGEMENTS FOR PARALLEL-CONNECTED ALTERNATING CURRENT SOURCES**
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application October 30, 1946, Serial No. 706,757
12 Claims. (Cl. 290-4)



1. In a regulating arrangement for use in an alternating current system in which a load is supplied by two parallel-connected sources one of which is a prime mover driven generator, the combination of means responsive to the watt output of one of said sources for controlling the supply of energy to the prime mover of said prime mover driven generator so that a predetermined one of said sources supplies the entire watt demand of the load until it reaches a predetermined value and then the other source supplies the watt demand of the load in excess of said predetermined value, and means responsive to the reactive volt-ampere output of one of said sources for controlling the voltage of one of said sources to cause a predetermined one of said sources to supply the entire reactive volt-ampere demand of the load.

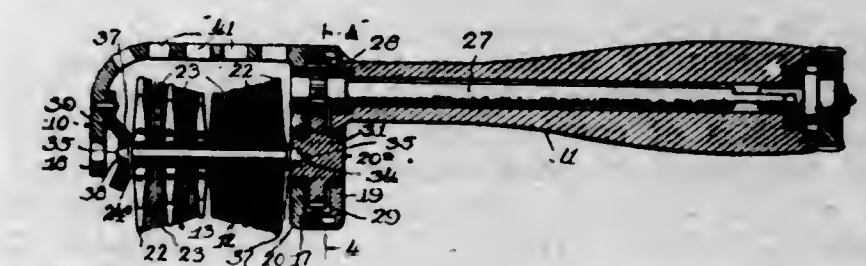
**2,435,420
DRIER FOR PHOTOGRAPHIC PRINTS**
Harold W. Beernink, Holland, Mich.
Application May 22, 1945, Serial No. 595,177
1 Claim. (Cl. 34-243)



Apparatus for drying a stack of sheets which includes a base, a pair of spaced parallel walls rising from the side edges of the base each terminating at its upper end in a semi-circular extension, at least one of the extensions having a

substantially semi-circular air inlet opening, a hood attached to the back edges of the side walls and extending upwardly and around the semi-circular extensions to form a fan chamber, a shaft rotatably supported on the side walls and extending transversely therethrough substantially in alignment with the axis of the semi-circular extensions, a fan mounted on the shaft within the fan chamber, a pair of spaced divergent walls at the front edge of the side walls, a top wall joining the uppermost edges of the divergent walls to form a flared discharge nozzle through which an air blast created by the rotation of the fan within the fan chamber will be directed outwardly, a motor mounted on the top and having driving connection with the shaft, an electrical heating unit adjacent the junction of the fan chamber and the discharge nozzle, an electrical switch carried by the fan housing and adapted coincidentally to complete a power circuit through the motor and the heating unit and a panel mounted at the forward ends of the divergent walls to move vertically and regulate the size of the discharge end of the discharge nozzle.

**2,435,421
POWER-OPERATED TOOTHBRUSH**
Paul H. Blair, Chicago, Ill.
Application March 5, 1943, Serial No. 478,075
1 Claim. (Cl. 15-22)

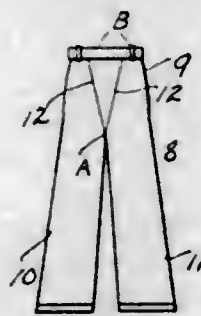


In a power-operated tooth brush, an open-sided frame, a pair of coupling members mounted at one end of said frame, power-operated means for rotating said coupling members in opposite directions, a pair of bearing supports at the opposite end of said frame comprising two leaf-springs each having one end fixed on said frame and the other free end extending toward the open side of said frame, said free end having an aperture therein for receiving the outer end of its respective shaft in detachable bearing relation, and two rotary brush elements adapted to be disposed in exposed end-to-end laterally offset relation with each other, each having similar bearing and connecting means at both ends thereof adapted for selective engagement either with said coupling members or with said bearing supports, whereby said brush elements may be reversed end to end or interchanged between upper and lower positions in said frame.

**2,435,422
TROUSERS SLACKS**
Marcia C. Bohr, San Francisco, Calif.
Application September 14, 1944, Serial No. 553,977
1 Claim. (Cl. 2-227)

A garment of the character described embodying in its construction a hip section area and leg sections depending from said hip section area to complete trousers, there being inverted pleats at the front and back of said hip section area, the said pleats being expansible throughout their length to provide and confine a skirt-like fulness to said hip section area without detracting from the trousers effect of said leg sections, said pleats

beginning adjacent the belt line of said hip section area and extending in said area at an angle



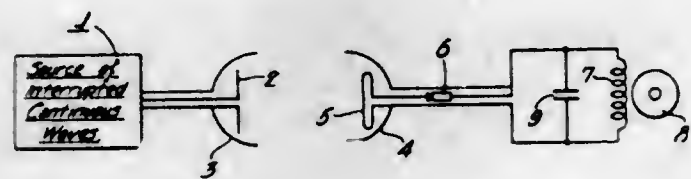
toward the crotch portion of said garment and terminating therein.

2,435,423

MICROWAVE OPERATED MECHANISM

Richard G. Clapp, Haverford, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application March 22, 1944, Serial No. 527,613
10 Claims. (Cl. 318-217)



1. A wireless system for operating an electrical mechanism by means of power transmitted at hyper frequencies, comprising means for generating pulses of carrier wave energy substantially in the form of interrupted continuous waves, means for radiating said wave energy, means for receiving said wave energy, means responsive to said received wave energy for establishing a low frequency pulse signal, means for converting electrical power into mechanical power, said last-named means comprising elements including a winding tuned to the n th harmonic of the pulse frequency, where n may be any small integer, and connections for impressing said low frequency pulse signal on said tuned winding, said tuned winding being shock excited into continuous oscillation by said pulse signal.

10. A method of operating a motor at low frequency by means of high frequency wave energy, which comprises producing time-spaced pulses of said wave energy having a low rate of occurrence, rectifying said pulses of high frequency wave energy to produce pulses at a frequency corresponding to said rate, and utilizing said last-named pulses to produce a low frequency alternating voltage capable of operating said motor.

2,435,424

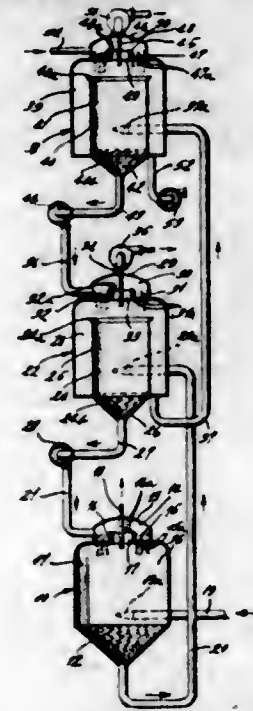
REGENERATIVE HEATING DEVICE

John F. Crews, Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif., a corporation of California

Application April 12, 1946, Serial No. 661,515
2 Claims. (Cl. 159-18)

1. In a heating device a tank defining a heating chamber, said tank having a perforated top wall, an open-topped container extending through the bottom wall of the tank into spaced relation from the perforated top wall thereof and having a side wall spaced inwardly from the side wall of the tank to cooperate therewith in defining an annular space between the walls, a cap on the perforated top wall of the tank defining a feed chamber above the perforations in said top wall

for feeding liquid in spray form into the heating chamber above the open top of the container, and



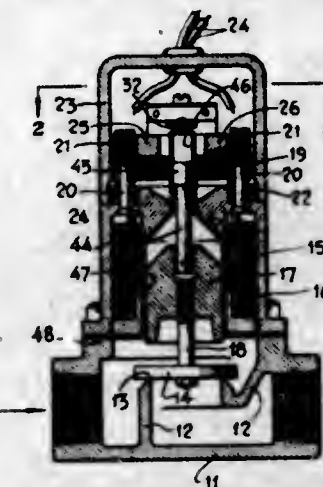
means for injecting heating fluid into the space between the side walls of the container and tank.

2,435,425

MAGNETIC CONTROL DEVICE

Lewis L. Cunningham, Los Angeles, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California

Application April 13, 1943, Serial No. 482,880
6 Claims. (Cl. 175-336)



1. In a magnetic control device: a U-shaped permanent magnet, flux-conducting means extending from each of the polar ends of the arms of said magnet in a direction at right-angles to the plane of the arms of the magnet to form a pair of pole faces in a plane parallel to that of said arms, a generally flat armature cooperable with the magnet and disposed in a plane substantially parallel to that of said pole faces, said armature normally being held by the magnet in attracted position with respect to said pole faces and biased in a direction away from them, and means movable into a position between the side arms of the magnet for so shunting the flux thereof that the armature then moves under the force of said bias.

2,435,426

EXTRUSION MACHINE

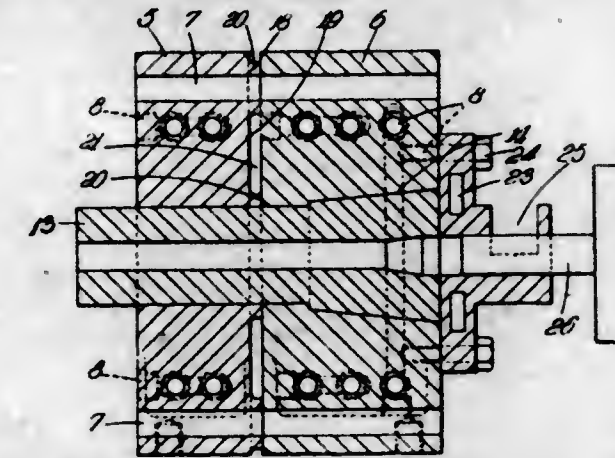
Drury Norman Davies, Feltham, England, assignor to Cellomold Limited, Feltham, England

Application June 21, 1943, Serial No. 491,683
In Great Britain July 27, 1942

1 Claim. (Cl. 18-12)

An extrusion apparatus for extruding thermosetting materials comprising at least two main horizontal supporting columns, a press table consisting of at least two parts having apertures

through which said columns pass whereby the table is rigidly supported, bolts engaged in bolt holes in said parts whereby said parts are fixed together in contact with each other, die-receiving apertures in both said parts forming a continuous die-receiving aperture, a die located in said aperture said die having an internal bore, a channel in each of said parts each channel being independent of the other whereby it is adapted to contain a heating medium of different tem-



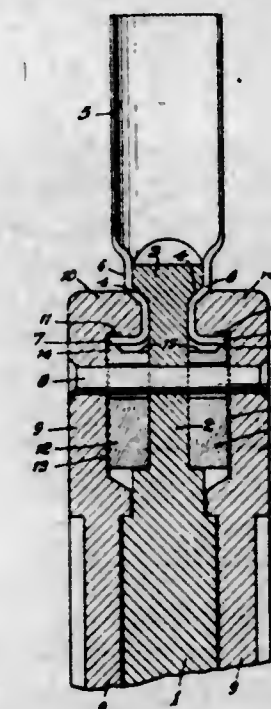
perature from the other, bosses on one at least of said parts which bosses surround the said apertures and holes whereby recesses are provided between the bosses so as to provide a transverse heat insulation between the two parts, means for cooling the material at the inlet end of the press table, the meeting surfaces of the parts being disposed at some distance from the said cooling means and at a part of the die bore which has the final cross-sectional shape of the finished extrusion.

2,435,427

TURBINE WHEEL

David P. Eastman, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware

Application September 16, 1946, Serial No. 697,361
9 Claims. (Cl. 253-77)



1. In combination in a turbine wheel, a main wheel member, said member having an enlarged bead at its periphery, a plurality of buckets positioned on said wheel, said buckets provided with parts embracing said bead, and a plurality of holding members positioned one on each side of said wheel member, said holding members provided with inwardly extending parts, adapted, under the influence of centrifugal force, to grip said bucket parts, and means for holding parts of said bucket together, and additional gripping members positioned between said wheel member and said holding members and shaped to contact

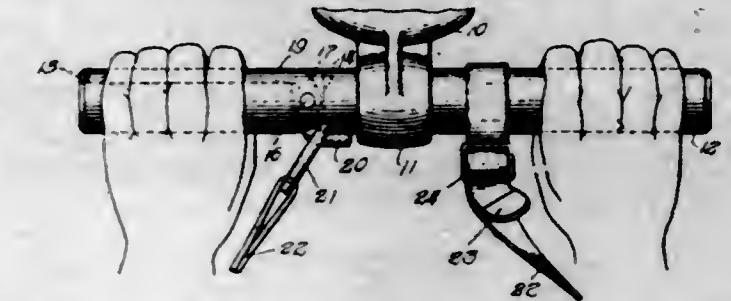
said bucket members, said additional members shaped, under the influence of centrifugal force, to exert an increasing pressure upon said bucket members.

2,435,428

SAFETY BELT

Lawrence F. Erbach, Chicago, Ill., and Arnold T. Riedi, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware

Application July 19, 1946, Serial No. 684,878
7 Claims. (Cl. 51-174)



7. A safety belt attachment for a manually movable machine adapted to be pushed and pulled by the operator and provided with a handle and a belt with one end secured to part of the machine and the other end provided with a catch member, means to connect said catch member to the handle comprising a latch member movable mounted in the handle and having means for ready attachment to, and detachment from, said catch member and means adapted to be grasped by the operator for locking said catch member by said first mentioned means, said member being automatically unlocked when the operator releases his grip.

2,435,429

ALKYD RESINS

Theodore W. Evans, Oakland, and David E. Adelson, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 11, 1943,

Serial No. 498,432

6 Claims. (Cl. 260-75)

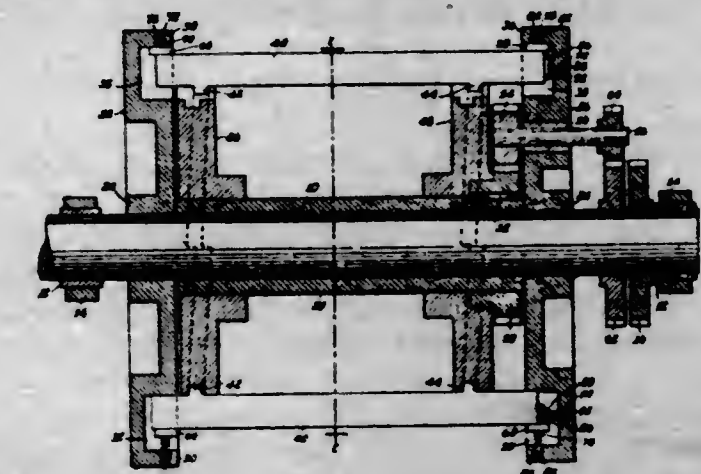
1. A process of forming a resin comprising reacting under polyesterification conditions 2-(hydroxymethyl)-1-propen-3-ol with a dicarboxylic acid anhydride in molecular proportions of between 10:1 and 1:10.

2,435,430

YARN-ADVANCING REEL

Alvin L. Ewing, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 1, 1946, Serial No. 644,939
6 Claims. (Cl. 28-71.6)



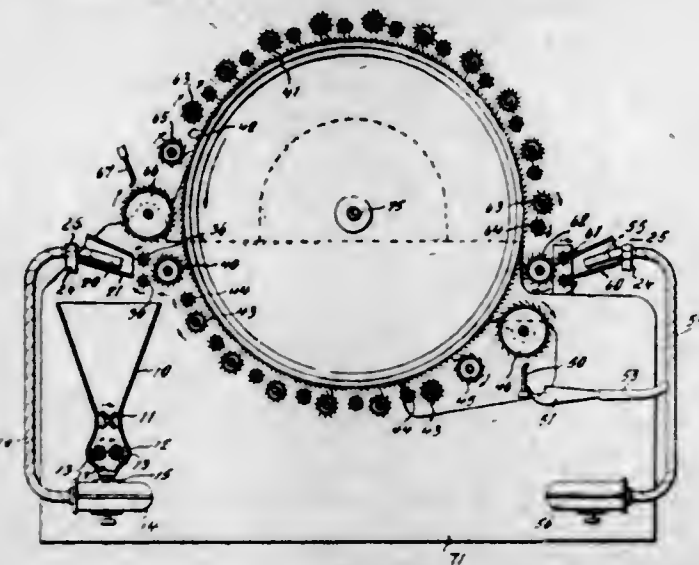
1. In an apparatus for continuously advancing yarn in the form of a helix, a reel, means to rotate

said reel, a plurality of equidistantly spaced yarn-supporting bars arranged circumferentially of the reel and constituting the periphery thereof, each of said yarn-supporting bars being mounted for radial and axial movement, a rotating cam, a cam follower carried by each yarn-supporting bar co-operating with said cam, said cam being of a shape to impart radial movement to the yarn-supporting bars at predetermined times whereby each of said yarn-supporting bars can be moved into and out of yarn-contacting position and axial movement to the yarn-supporting bars in the direction of the yarn advancement over the reel when said bars are in yarn-contacting position and in the opposite direction when said bars are out of yarn-contacting position, means continuously urging the cam follower in contact with said cam, and tension means continuously urging the yarn-supporting bars in a direction opposite to the yarn advancement over the reel.

2,435,431

CARDING MACHINE

Mitchell S. Fain, New Haven, Conn.

Application January 25, 1946, Serial No. 643,295
5 Claims. (Cl. 19—100)

1. A carding machine comprising a main roll, a plurality of units of worker and stripper rolls along the lower periphery of the main roll for one carding operation, and a plurality of units of worker and stripper rolls along the upper periphery of the main roll for another carding operation, a first feed, means for removing partially carded stock from the main roll after the first carding operation, an intermediate feed for returning the partially carded stock to the main roll, and means for removing the finished carded material after the final carding operation.

2,435,432

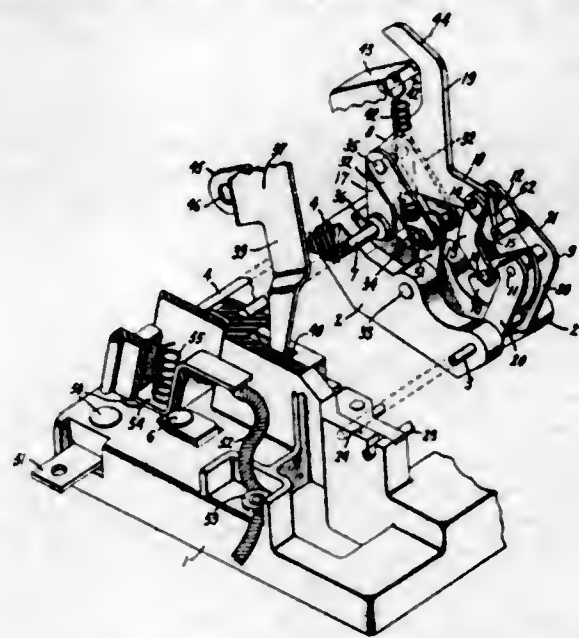
ELECTRIC SWITCH

John A. Favre, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application May 21, 1946, Serial No. 671,185
9 Claims. (Cl. 200—116)

1. An electric switch comprising a movable circuit controlling member and means for moving said member to and maintaining it in one circuit controlling position comprising a movable resetting element, a stop, a toggle interconnecting said member and said element movable over center against said stop to effect movement of the member to said circuit controlling position when the element is in a given position, a collapsible mechanism operable in a rigid condition to hold said element in said given position, a movable operating lever, means for limiting movement of

said operating lever in one direction, and yielding means interconnecting said operating lever and said toggle and arranged upon movement of



the operating lever in said one direction while the collapsible mechanism is in the rigid condition to effect movement of said toggle over center against its stop.

2,435,433

LATCHING MECHANISM FOR ELECTRIC SWITCHING DEVICES

Claude D. Hayward, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application September 7, 1946, Serial No. 695,515
6 Claims. (Cl. 74—2)

1. In a latching mechanism for electric switching devices, a pivotally supported tripping member, a latching element mounted on said member for movement relatively thereon only in a direction at a predetermined angle to the pivotal axis of the member, said element having a latching edge substantially parallel to the pivotal axis of the member while in different positions thereon, and means for securing said element on said member against relative movement in said different positions.

2,435,434

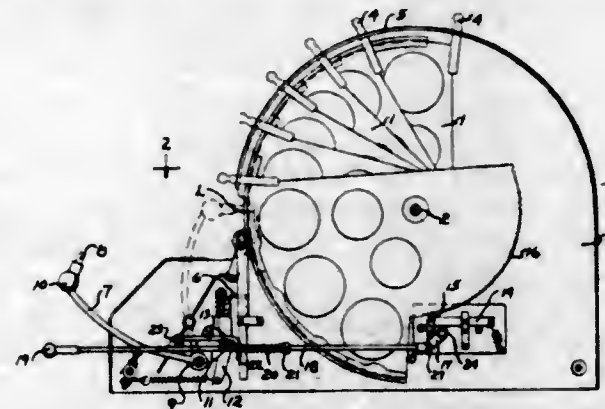
LOCKING MECHANISM FOR TYPE WHEELS OF PRINTING MACHINES

Frank Kosmer, Syracuse, N. Y., assignor to Philip N. Braun Inc., Los Angeles, Calif., a corporation of California

Application July 14, 1945, Serial No. 605,013
3 Claims. (Cl. 101—95)

1. In a printing machine, the combination of movable type carrying members operable individually to set different type at the printing line, and printing mechanism including a reciprocally movable operating member; of locking mechanism operable to hold the type carrying members in their set positions, including an element common to all of the type carrying members, motion transmitting mechanism between the op-

erating member and the locking element, a spring arranged to yieldingly transmit the motion of the operating member to the locking mechanism in one direction only when the operating member is being moved from starting position toward printing position, means operable at will to shift the locking element to unlocked position, the locking element including a rock arm and the release means including a rod

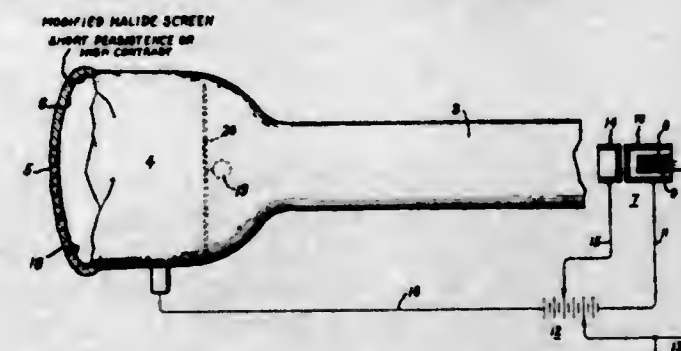


connected to the rock arm eccentric to its axis, and an over-the-center spring device anchored at one end at a fixed point relative to the movement of the rock arm and having its other end connected to the rock arm and movable with the rock arm during the operation of the rock arm from either side of a straight line passing through the axis of the rock arm and the anchoring point of the spring to the other side thereof.

2,435,435

CATHODE-RAY SCREEN

Gorton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 6, 1943, Serial No. 482,025
10 Claims. (Cl. 250—164)

1. A cathode ray device containing a screen consisting of a blend of alkali halide and a halide of alkaline earth metal, the latter halide constituting less than ten per cent of the entire composition.

2,435,436

CATHODE-RAY TUBE SCREEN

Gorton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application Dec. 18, 1943, Serial No. 514,815
11 Claims. (Cl. 250—164)

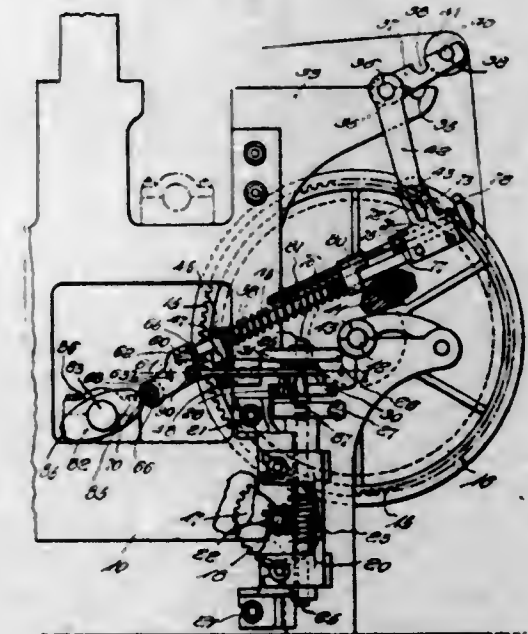
1. For use in a cathode ray tube having means for producing and deflecting an electron beam, a screen comprising a layer of silver-activated zinc sulfide phosphor exposed to the electron beam, a

layer of copper-activated zinc cadmium sulfide phosphor exposed to the radiations emitted by the zinc sulfide layer on excitation thereof and a layer of alkali silicate between said phosphor layers protecting the zinc cadmium sulfide layer from electron impingement.

2,435,437

LOOM LET-OFF MECHANISM

Jesse Odell Foster, Linwood, and George Rome Clawson, Salisbury, N. C.

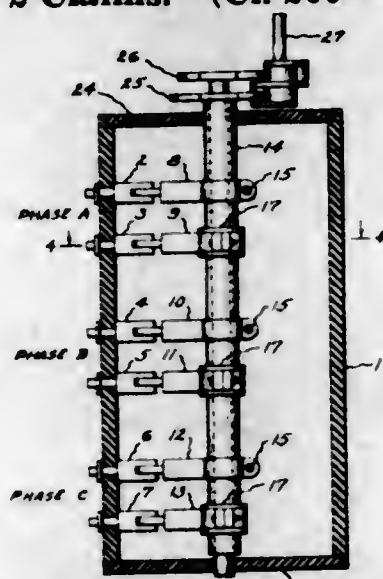
Application February 15, 1946, Serial No. 647,785
4 Claims. (Cl. 139—110)

1. In a loom provided with a frame operably supporting weaving instrumentalities including a drive shaft rotatable in timed relation with components of the said weaving instrumentalities, a warp beam, a whip roll over which warp yarns from the warp beam are guided, a rockable whip roll shaft, whip roll arms secured to the whip roll shaft and rotatably supporting the whip roll whereby the whip roll is mounted for swinging movement about the whip roll shaft, and a whip roll lever secured to the whip roll shaft, the combination of a movable tension link operably connected with the whip roll lever and operably interposed between it and the drive shaft, a composite bracket having a supporting component secured to the loom frame, a bearing component secured to supporting component and having a bearing aperture formed therein to slidably receive the tension link, a spring supported by the tension link and having one terminal abutting the bearing component to bias the tension link for movement towards the whip roll to thereby force the whip roll against the warp yarns, adjusting means engaging the opposed terminal of the spring to adjust the degree of bias exerted by the spring against the tension link, a cam rigidly secured to the drive shaft to operably engage the tension link to positively move the whip roll against the warp yarn tension resistance to a predetermined position during each pick of the loom, the extent of movement of the tension link towards the cam during each pick of the loom being determined by the degree of spring tension adjustment and the consequent warp yarn tension exerted against the whip roll, let-off mechanism operably connected with the warp beam, and means for operably connecting the tension link with an operating component of the let-off mechanism whereby movement of given amplitude of the tension link imparts movement of commensurate amplitude to the let-off mechanism to let off the requisite length of warp yarn at each pick of the loom.

2,435,438

ELECTRIC SWITCH

John Fowler, Stockport, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a British company
Application June 19, 1946, Serial No. 677,660
In Great Britain November 29, 1945
2 Claims. (Cl. 200-6)



1. A polyphase multi-pole per phase switch comprising, in combination, a rotatable shaft, a relatively rotatable sleeve on said shaft, a plurality of axially spaced circumferentially extending slots in said sleeve, separate rotatable contact arms relatively loosely mounted on said sleeve, separate means extending through said slots for respectively attaching said arms to said shaft for simultaneous rotation therewith, additional rotatable contact arms respectively axially adjacent the first-mentioned contact arms, said additional contact arms being attached relatively rigidly to said sleeve for simultaneous rotation therewith, and respectively separate sets of cooperating fixed contacts for said contact arms.

2,435,439

GARMENT SPOTTING APPARATUS

Don O. Goodwin, St. Louis, Mo., and Basil J. Yanchenko, Syracuse, N. Y., assignors to G. A. Braun, Inc., Chicago, Ill., a corporation of Illinois
Application January 24, 1946, Serial No. 643,010
1 Claim. (Cl. 68-5)



A garment finishing board comprising an elongated body formed with an internal vacuum chamber extending lengthwise thereof and a top plate for a portion of said chamber, the top plate being flat and impermeable, a brush forming a cover for the remaining portion of the chamber, the brush having a perforated backing and up-standing bristles, the ends of which are exposed and substantially flush with the surface of the top plate.

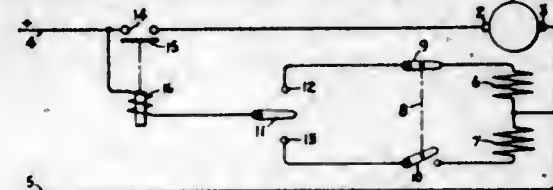
2,435,440

REVERSIBLE MOTOR DRIVE

Douglas H. Graham, Coventry, England, assignor to General Electric Company, a corporation of New York
Application September 8, 1946, Serial No. 695,327
In Great Britain August 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 14, 1964
9 Claims. (Cl. 318-267)

1. A reversible drive for a driven load including

an electric motor having an armature and a split two-part shunt field exciting winding for exciting said motor in opposite directions, means for selectively energizing said field exciting winding parts in response to different predetermined conditions of the driven load, means for controlling

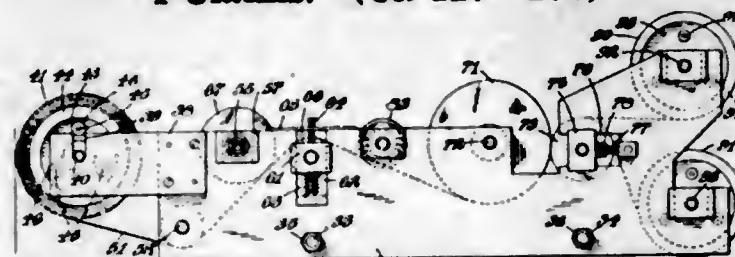


the energizing of said motor armature, and means for opening and closing the motor armature circuit through said armature energizing control means in response respectively to deenergization of said field exciting winding and energization of either part thereof.

2,435,441

PROCESS FOR DEMETALLIZING METALLIZED PAPER

Richard Alfred Grouse, London, England, assignor to A. H. Hunt Limited, London, England, a company of Great Britain
Application October 20, 1943, Serial No. 507,042
In Great Britain October 23, 1942
4 Claims. (Cl. 117-102)



1. The method of demetallizing a selected area of that surface of a strip of very thin paper upon which there has been previously deposited an extremely thin layer of metal, which comprises continuously maintaining in direct contact with the exposed surface of such metal layer two spaced electrical conductors of opposite polarity one of which makes direct electrical contact with a relatively small area of said surface and the other of which makes direct electrical contact with a larger area of that surface, passing sufficient current through said conductors and metal layer to cause the density of the current passing directly between the conductor of smaller contacting area and the metal layer to be sufficiently high to cause volatilization of the metal directly contacted by said last mentioned conductor, and, while maintaining the current flow, continuously advancing the strip so as to continuously bring fresh areas thereof into contact with said conductors, the speed of advancement being such that volatilization of the metal at the point of contact between the strip and the conductor of smaller strip conducting area proceeds uninterruptedly and an unbroken elongated demetallized area is created.

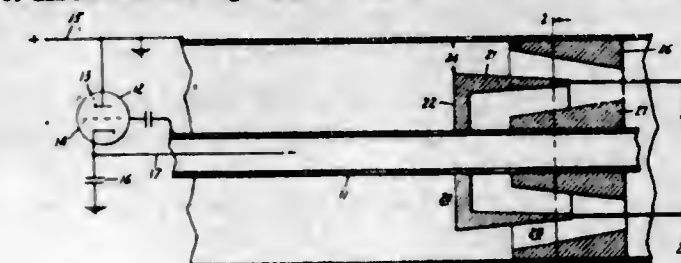
2,435,442

TUNING ARRANGEMENT FOR CONCENTRIC TRANSMISSION LINE RESONATORS

Anatole M. Gurewitsch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 23, 1943, Serial No. 515,345
4 Claims. (Cl. 178-44)

2. In combination a space resonant system of the concentric transmission line type comprising a tubular outer conductor and a centrally disposed inner conductor, exciting means for establishing electromagnetic waves within said system, and means for adjusting the resonant frequency of said system, said means comprising a pair of

reflecting members attached respectively to the outer surface of said inner conductor and the inner surface of said outer conductor, said members being substantially co-extensive along said conductors and having opposed tapered surfaces defining a wedge-shaped region therebetween, and a metallic cup-like member connected to said



inner conductor and extending into said region an adjustable distance, said metallic member forming with said conductors two serially connected sections of concentric transmission line and said sections and said resonator being tuned over a wide band of frequencies as the position of said metallic member is adjusted.

2,435,443

SEPARATION OF GEM CYCLIC HYDROCARBONS FROM NONGEM CYCLIC HYDROCARBONS BY SELECTIVE DEHYDROGENATION

Vladimir N. Ipatieff and Herman Pines, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 17, 1944,
Serial No. 531,497
7 Claims. (Cl. 260-668)

6. A process for separating a gem alkyl cyclohexane from a mixture thereof with a non-gem alkyl cyclohexane which comprises subjecting said mixture to dehydrogenation in the presence of a dehydrogenation catalyst at a temperature at which substantially only said non-gem alkyl cyclohexane is dehydrogenated to form an aromatic hydrocarbon and said gem alkyl cyclohexane is left substantially unchanged, and thereafter separating said aromatic hydrocarbon from said gem alkyl cyclohexane.

2,435,444

DEVICE FOR LAUNCHING TORPEDOES

Bjornulf Johnsen, Summit, N. J., assignor to Leonard P. Frieder, New York, N. Y.
Application March 27, 1945, Serial No. 585,170
11 Claims. (Cl. 114-239)



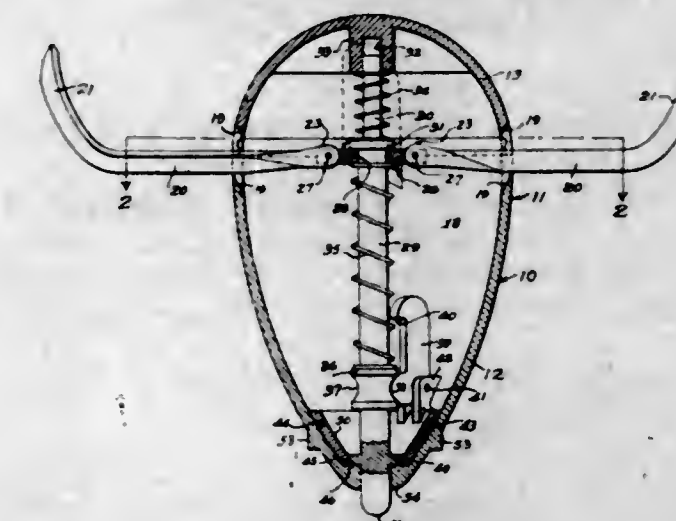
1. A device for launching torpedoes which comprises a member adapted to be extended by com-

pressed air, a carrier for said member to which said member is attached, said carrier being connected to said torpedo, a pull member connected to said carrier, and means operated by said first-named member adapted to disconnect said carrier from said pull member when said torpedo is launched.

2,435,445

FLYING TOP

Joseph Kerezi, Dearborn, Mich.
Application April 26, 1946, Serial No. 665,063
13 Claims. (Cl. 46-75)

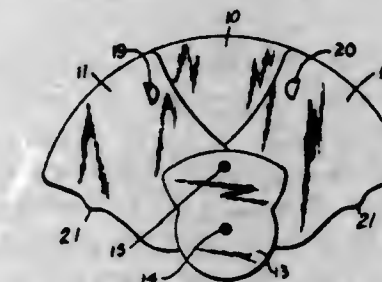


1. A flying top comprising a hollow casing having openings therethrough, retracting mechanism mounted within said casing, a plurality of rotor blades connected to said retracting mechanism and retractable at least partially into said casing, and mechanism responsive to the impact of said top with an external surface for extending said blades upwardly and outwardly through said openings.

2,435,446

FOLDING FAN

Frank H. Klie, deceased, late of Paris, Ill., by Lillian E. Klie, executrix, Paris, Ill.
Application February 1, 1945, Serial No. 575,623
2 Claims. (Cl. 230-269)



1. In a fan comprising a plurality of overlapped sections composed of flexible material, the combination with certain of said sections of interlocking means consisting of tongues cut in the material of certain of said sections at points in the outer portions and within the edges thereof and positioned to lie adjacent an edge of an adjacent section when the fan has been expanded, said tongues adapted to be bent away from the surrounding material and into engagement with such edges.

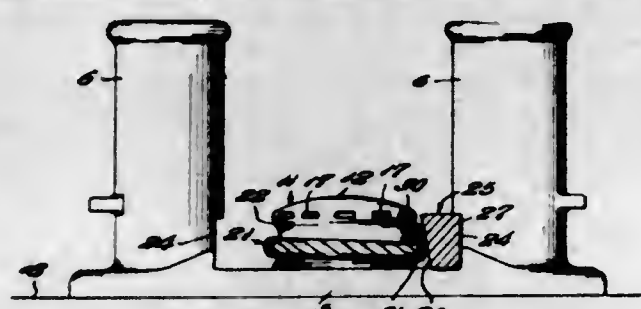
2,435,447

MOORING BITT

Karl C. Kortum, Petaluma, Calif.
Application May 2, 1946, Serial No. 666,748
8 Claims. (Cl. 114-218)

1. A mooring bitt structure comprising in combination, a base and an upstanding bitt thereon, an eccentric sheave rotatably mounted on said base adjacent to said bitt, said bitt being provided with a flat surface portion adja-

cent to said sheave, a hawser passing around said sheave, and a wedge, said wedge co-acting



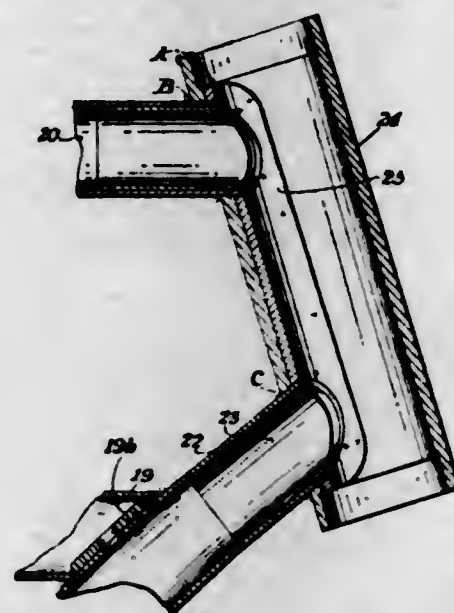
with said flat surface portion and with said sheave to stopper said hawser.

2,435,448

METHOD OF MANUFACTURING TUBULAR FRAME STRUCTURES

Herman L. Kraeft, Cleveland Heights, and Leonard J. Walters, Shaker Heights, Ohio, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 6, 1943, Serial No. 513,163
5 Claims. (Cl. 29-176)



2. The method of manufacturing tubular velocipede frame structures comprising effecting a substantially precise assembly of the joining surfaces of the tubular members by reinforcing the walls of certain tubular members having a larger diameter with closely fitting metallic inserts which substantially double the wall thickness, forming separated transversely extending bores in said double walled part of the tubular members and the bores being of substantially the same diameter as the end diameters of other tubular members of smaller diameter whereby a circular bore having a bearing area substantially twice the thickness of the larger tube is provided, providing said last mentioned members with tubular reinforcing inserts, close fitting the tubular members one to another by inserting the smaller diameter ends of said members temporarily fixing said inserted ends within the interior of the larger tube into the bores formed in the other members, fixing the thus assembled members with spot welds or the like, producing simultaneously a localized brazing of the joints of the assembly by disposing unfused copper at each joint region and so positioning the assembled frame within a brazing furnace that each of the copper pieces is maintained at its desired locus relative to the surfaces to be joined, subjecting the entire assembly and the copper pieces to a non-oxidizing temperature sufficiently high to cause the copper to flow by gravity and by capillary attraction between the surfaces of the interfitted parts of the tubular members, maintaining the assembly

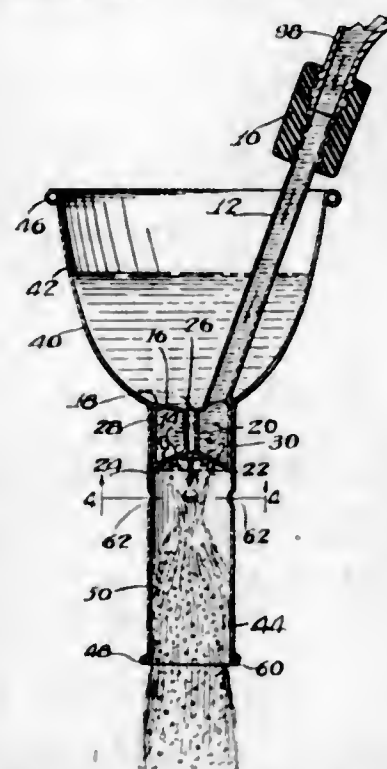
in said position during a sufficient cooling period in a non-oxidizing environment to permit the copper to solidify and finally cutting away the ends of the smaller tubes which are disposed within the interiors of the larger tubes.

2,435,449

FOAM FORMING APPARATUS

Wallace Kubacki, Reading, and Radcliffe Morris Urquhart, Wayne, Pa.; said Kubacki assignor to said Urquhart

Application December 6, 1944, Serial No. 566,918
2 Claims. (Cl. 261-76)



1. An apparatus adapted to direct a mixture of dilute foamaceous liquid and entrained gas against the surface of a body of liquid exposed to a gas to form a light bodied foam, comprising an elongated tube adapted to be positioned vertically with its lower end open, a receptacle attached to the top of the tube and forming an integral portable unit with said tube, a drain from said receptacle communicating with said tube at its upper and central portion and directed substantially axially of said tube, means substantially surrounding said drain and forming a series of jets for discharging a liquid downwardly through said tube, said jets being directed so as to converge along the axis of said tube, means for supplying a liquid under pressure for discharge through said jets, and a series of openings in the walls of said tube below said jets for admission of air to the upper portion of said tube but below said jets.

2,435,450

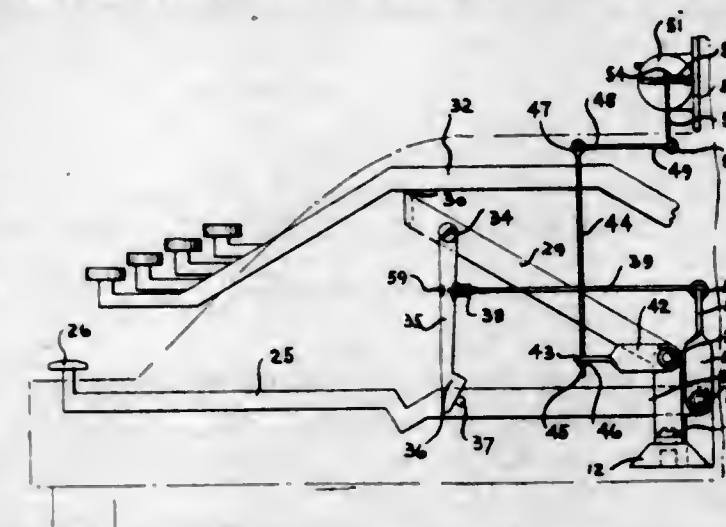
WORD COUNTER FOR TYPEWRITERS

Carl W. Lamb, Inskip, Tenn.

Application May 2, 1945, Serial No. 591,554
1 Claim. (Cl. 235-102)

In combination with a typewriter and a word counter therefor including a pair of transversely spaced bearing members, a shaft rotatably mounted therebetween, forwardly extending spacer bar supporting arms fixed to the ends of said shaft, a spacer bar connected between the forward ends of said arms, transversely spaced upright bearing members disposed exteriorly of said transversely spaced bearing members, a stub shaft rotatably supported on one of said upright bearing members, a bail member including a transversely extending bar and rearwardly and angularly extending supporting arms pivotally supported on one of said upright members and on said stub shaft, a plurality of key levers en-

gaging the transversely extending bar of said bail member, a pin on the side of one of said spacer bar supporting arms, a depending hook link pivotally supported by one of said bail bar supporting arms, levers secured to said rotatable shaft and said stub shaft having apertured ends extending at an angle to each other, a word counter, means for connecting the operating means of the counter with the lever on said stub shaft, a link rod connected with the lever connected with said rotatable shaft having a



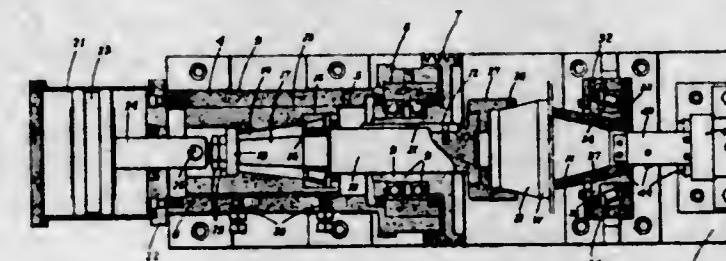
resilient connection with said depending hook link, and a resilient tensioning means between the bail supporting arm and its supporting upright bearing member whereby operation of a type bar will lower the hook link to engage the pin on the spacer bar and operation of the spacer bar will move the hook link a greater amount to operate the counter before the hook is released by the link rod connected between the lever on the rotatable shaft and the hook link.

2,435,451

HEADSTOCK AND CENTERING REST ASSEMBLY

Robert G. Le Tourneau, Peoria, Ill., and Carl Graham and Herman G. Huth, Toccoa, Ga., assignors to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California

Substituted for abandoned application Serial No. 470,352, December 28, 1942. This application March 24, 1947, Serial No. 736,772
7 Claims. (Cl. 77-3)



1. In a lathe, a mandrel having a work engaging head on one end thereof, means mounting the mandrel for rotation and axial movement, an axially immovable, driven pulley, and a power cylinder; the pulley surrounding the mandrel in direct driving but relatively slidable relation, and the power cylinder being axially aligned and connected with the mandrel to effect axial sliding movement thereof independently of said pulley.

2,435,452

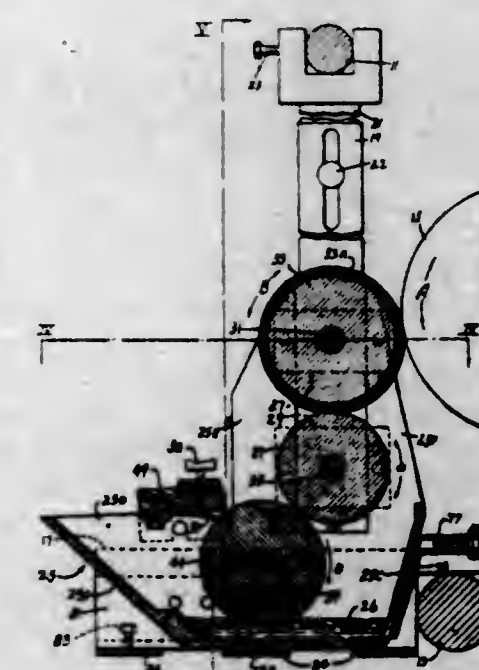
COLOR INKER FOR CYLINDER PRESSES

Albert W. Linn and Albert C. Forbes, Memphis, Tenn.

Application May 5, 1945, Serial No. 592,150
3 Claims. (Cl. 101-350)

1. An auxiliary device for inking type plates of a cylinder printing press having ink distribut-

ing rolls; which device includes an ink holder or trough, rollers having shafts carried and journaled in bearings carried by said trough, including an ink pick-up roller depending into said trough, an intermediate roller in ink transfer adjacency above said pick-up roller, but not in contact therewith, and an ink transfer roller in driving contact with and above said intermediate roller; means for supporting said trough from and anchoring same to said press, with said transfer roller in driven and ink transfer contact with a distributing roll of said press, means for regulating the amount of ink delivered by said pick-up roller to said intermediate roller, and means for driving and reversing the direction of rotation



of said pick-up roller relatively to said transfer roller, comprising a worm wheel mounted on the shaft of said pick-up roller, a worm meshing with said wheel, bearings carried by said trough, a shaft carrying said worm journaled in said bearings and longitudinally shiftable with relation to said bearings, said shaft extending across the end of the shaft of said transfer roller, a bevel driving gear carried by said transfer roller shaft, a pair of complementary bevel gears mounted on said shaft in spaced relation and position for respective engagement with said driving gear by opposite longitudinal shift of said shaft, means translatable at option to engage and hold said shaft and gears carried thereby in either shifted position to effect said reversal.

2,435,453

DETERGENT BRIQUETTE

James Douglas MacMahon, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application July 21, 1945,
Serial No. 606,483

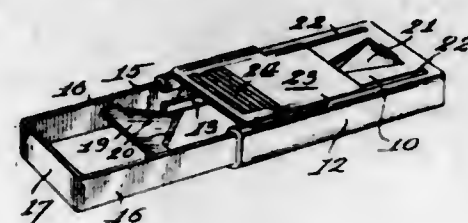
3 Claims. (Cl. 252-135)

1. A detergent briquette substantially free from a silicate, physically stable, hard, strong and non-deliquescent, consisting of a dense crystalline aggregate consisting essentially of the following constituents in proportion by weight within the respective indicated ranges: total water about 30-50%, at least one detergent of the group consisting of sodium carbonate and trisodium phosphate aggregating from about one-tenth to about one-half the total formula weight, and at least one polyphosphate of the group consisting of tetrasodium pyrophosphate, sodium tripolyphosphate, sodium tetrakisphosphate and sodium hexametaphosphate aggregating about 5-50%, but not exceeding about 15% of sodium tetraphosphate and sodium hexametaphosphate.

2,435,454

CIGARETTE PACKAGE OPENER AND CLOSURE

Joseph Maldonado, Los Angeles, Calif.
Application January 26, 1945, Serial No. 574,689
3 Claims. (Cl. 206—41.5)

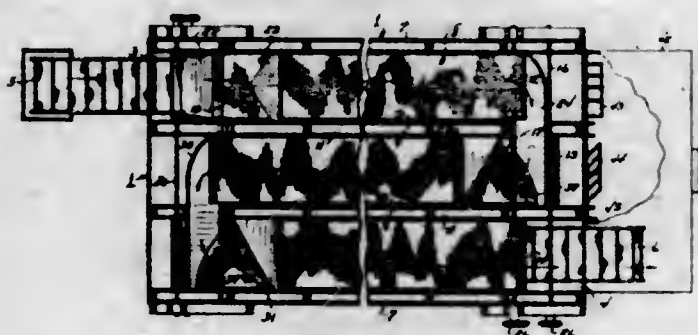


1. A cigarette package opener and closure comprising a pair of telescopically associated members adapted when closed to provide a cap for a cigarette package, one of which members has a pair of channel shaped side members and a top plate, which side members extend beyond the inner end of said top plate to form an opening at one end of said top plate, a member arranged for sliding movement on said top plate and adapted to close the opening therein, the other telescopic member including parallel side straps that are arranged for sliding movement in the channel shaped side members of the other telescopic member, an end rail connecting the outer ends of said side straps and a transversely disposed blade disposed between and connected to said side straps for cutting through these portions of the end and side walls of the package that are disposed beneath the opening at the end of said top plate.

2,435,455

DEHYDRATING MACHINE WITH CONVEYORS PROVIDING PLURAL TREATED MATERIAL PATHS

Bernard C. Mathews, Chicago, Ill.
Application May 22, 1944, Serial No. 536,793
5 Claims. (Cl. 34—203)



2. A dehydrating apparatus comprising a housing partitioned to form longitudinally extending chambers in side by side relation to each other, conveyors of foraminous material in said chambers each having a receiving end and a discharge end, troughs passing through the partitions for delivering material from discharge ends of the conveyors to receiving ends of adjoining conveyors, a box at one end of said housing communicating with said chambers below the conveyors, means for delivering hot air into said box, shutters for controlling flow of hot air from said box into said chambers and thereby regulating temperature of air in the chambers, and means adjacent the opposite end of said housing for withdrawing air from the chambers above the conveyors.

2,435,456

FATTY ACIDS FROM COTTONSEED FOOTS

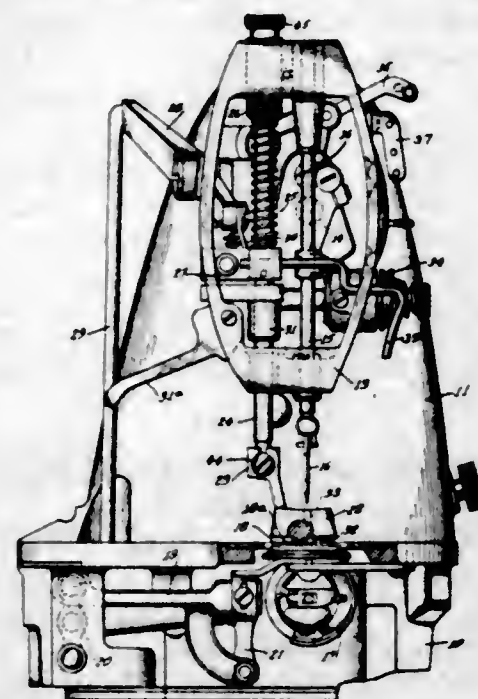
Herbert K. McClain, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application December 6, 1943, Serial No. 513,172
8 Claims. (Cl. 260—419)

8. The process which comprises saponifying with caustic soda cottonseed oil refining foots selected from the group consisting of raw foots and acidulated foots, treating the resulting soaps with an oxidizing agent selected from the group consisting of persulfates, peroxides and hypochlorites of cations which form water-soluble soaps, acidulating these treated soaps thereby forming dark colored oxidation products in the resulting fatty acids, and distilling these fatty acids.

2,435,457

ROPE WHIPPING SEWING MACHINE

Philip T. McLendon, Atlanta, Ga., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application February 4, 1944, Serial No. 521,057
6 Claims. (Cl. 112—2)



1. A machine for securing ends of rope against raveling or untwisting, comprising rope end holding means, devices cooperating with said holding means for imparting intermittent rotation to a rope end held by said means, said devices including a feed dog disposed below said holding means and movable in a direction transverse to the axis of the rope end and adapted to engage and rotate the rope end upon such movement, and stitch forming devices comprising a reciprocable needle-carrying needle bar at one side of said rope end holding means and complementary stitch forming means at the opposite side of said rope end holding means, said rope holding means being so disposed relative to the path of reciprocation of said needle that said path intersects said rope end between its axis of rotation and its periphery.

2,435,458

CATIONIC ISOQUINOLINE PESTICIDE

Hugh H. Mosher, Teaneck, N. J., and Frank L. Howard, Kingston, R. I., assignors to Onyx Oil & Chemical Company, a corporation of Delaware
No Drawing. Application December 9, 1943, Serial No. 513,626
4 Claims. (Cl. 167—33)

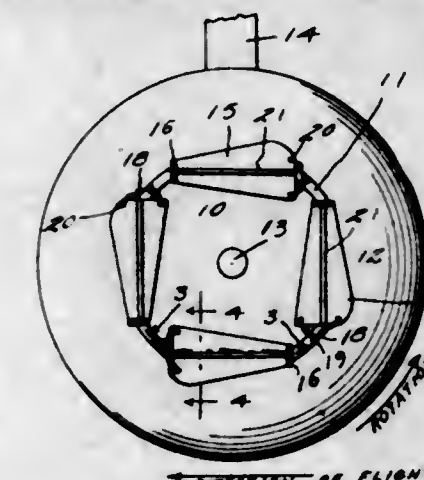
1. In the treatment of higher plants to protect them against the action of pests and fungi.

etc., the improvement which comprises applying to organs of the plants a cationic isoquinolinium compound having attached to its nitrogen an acid radical and a straight chain hydrocarbon radical containing 8 to 18 carbon atoms.

2,435,459

AIRPLANE LANDING GEAR

William L. Oden, Nashville, Tenn.
Application February 19, 1943, Serial No. 476,438
3 Claims. (Cl. 244—103)



1. An airplane wheel comprising a wheel annulus, a plurality of pivotal plates in a circular arrangement on one side of the wheel annulus, and a spring at the point of pivotal connection of each plate to cause the opposite end of such plate to move away from the side of the wheel, said spring acting independently of, and in addition to, any air pressure which might be imposed upon such plate, and means for preventing excessive outward movement of the plates in their pivotal action in response to air pressure and the action of the spring.

2,435,460

PROCESS OF PREPARING ALDEHYDIC MATERIAL

Charles I. Parrish, Drexel Hill, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 20, 1944, Serial No. 531,985
9 Claims. (Cl. 260—340)

1. The process of treating an α -alkylene oxide of from 2 to 5 carbon atoms to convert it into a product comprising the para-aldehyde of a monomeric aldehyde isomer of said alkylene oxide which comprises bringing gaseous chlorine as a catalyst into contact with said alkylene oxide, in a liquid phase reaction, and maintaining contact between chlorine and said alkylene oxide to convert said oxide into said product.

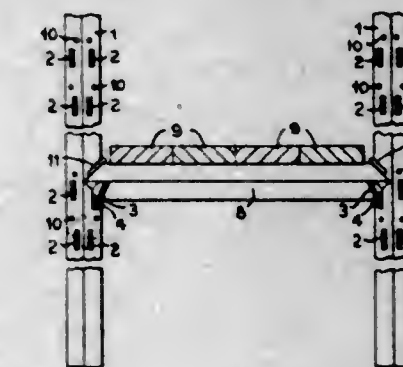
2,435,461

SCAFFOLDING

William Alfred Parker, Marton, Blackpool, England
Application April 23, 1946, Serial No. 664,215
In Great Britain May 16, 1945
4 Claims. (Cl. 304—2)

1. A scaffolding comprising in combination uprights of square tubular cross-section having in all their sides apertures distributed along their lengths, the uprights being disposed with two adjacent sides of one upright opposite two adjacent sides of another upright, separate brackets hooked into horizontally registering apertures in the said sides and projecting therefrom, separate connecting members of square tubular cross-

section and having slots engaging the said brackets from above and loosely supported by the said brackets, and separate spring clips engaging others of the said apertures and disposed

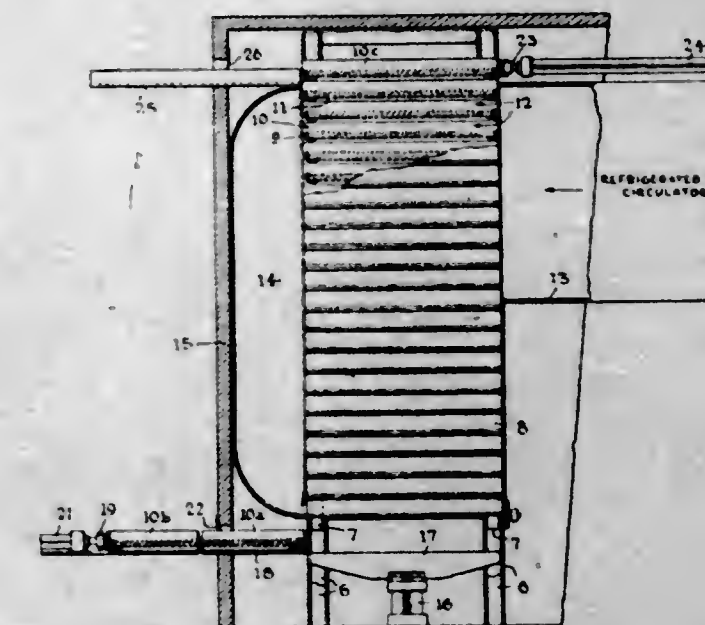


above the said connecting members and forming above the said connecting members obstructions which prevent accidental lifting of the connecting members out of engagement with the brackets.

2,435,462

FOOD FREEZING APPARATUS

Velt C. Patterson, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application February 27, 1946, Serial No. 650,421
4 Claims. (Cl. 62—102)



1. The combination of a guiding tower; a plurality of trays adapted to be advanced through said tower in a stack, conveyor means for withdrawing trays successively from the stack at the discharge end thereof; refrigerative means effective in the tower to chill the trays and their contents to sub-freezing temperatures; power means for advancing the stack of trays through the tower; and deflecting means adapted to engage successive trays as they approach the discharge end of the stack, and cause them to move laterally relatively to the stack as an incident to the feeding motion of the stack.

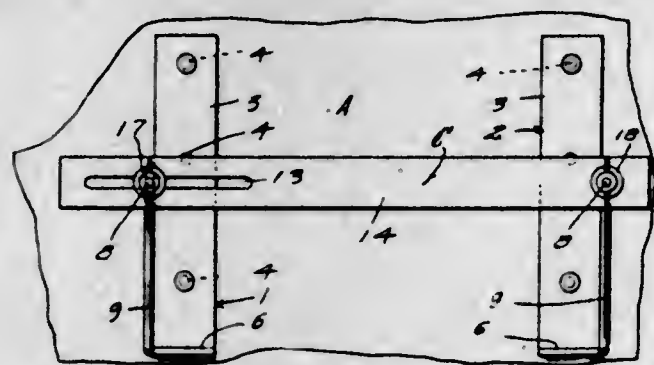
2,435,463

ADJUSTABLE BATTERY CARRIAGE

Russell J. Pettingill, Superior, Wis.
Application March 25, 1946, Serial No. 656,914
2 Claims. (Cl. 180—68.5)

1. A battery carriage comprising a pair of corresponding laterally spaced supporting brackets of right-angular form, adapted to be bolted to the dash board of an automobile, under the hood, V-shaped end guards welded to the supporting brackets, a front cross bar co-acting with said end guards in holding the battery in place, and

means for adjustably connecting one of the end guards with one end of the front cross bar, where-



by the corresponding supporting bracket is susceptible of lateral adjustment to accommodate batteries of different lengths.

2,435,464

MOISTUREPROOF POLYVINYL FILMS

Milton R. Radcliffe, Glen Rock, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application March 11, 1944, Serial No. 526,119

1 Claim. (Cl. 260—36)

A self-supporting vinyl chloride-vinylidene chloride copolymer film having enhanced resistance to the passage of water vapor therethrough comprising chiefly a vinyl chloride-vinylidene chloride copolymer containing at least 60% of the elements of vinyl chloride together with 1.5% of dicetyl ether.

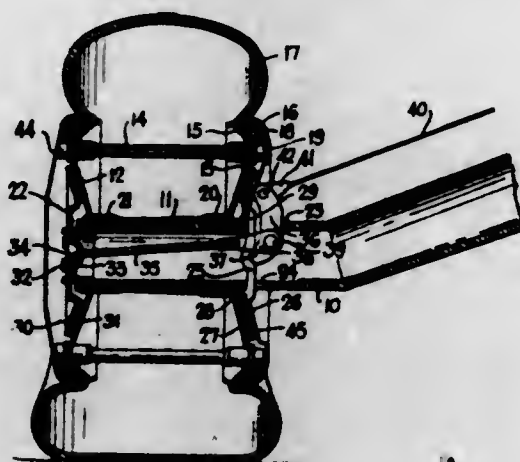
2,435,465

LANDING GEAR AND BRAKE FOR AIRCRAFT

Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application February 15, 1945, Serial No. 577,965

3 Claims. (Cl. 188—18)



1. An airplane type wheel having in combination a wheel having a hub formed with integral wheel disks at each end thereof, a brake shoe each including a brake disk and brake liner positioned beside each wheel disk, and operating means for forcing the brake shoes into engagement with the wheel disks, said operating means including a yoke, a lever having a toe engageable with the yoke, a link connected to the lever intermediate the ends thereof and extending through the hub of the wheel to connect at its opposite end to the center portion of the opposite brake shoe, and a cable connected to said lever so that upon tensioning the cable the lever will be swung in a direction to draw the brake shoes toward each other and into operative engagement with the wheel disks.

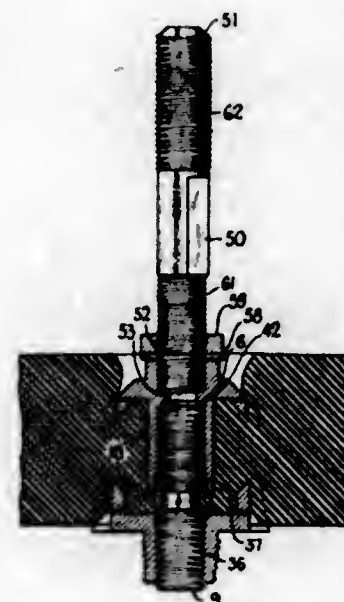
2,435,466

CURING BAG

Talbot E. Thomas, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application July 30, 1945, Serial No. 607,714

6 Claims. (Cl. 18—45)



4. An inflatable article, comprising a hollow body of pliable material, a valve stem extending through the wall of said body, said valve stem consisting of a hollow bolt threaded with opposite threads at each end, a pair of cup-shaped anchor members mounted on said bolt, said cup-shaped members having axial threaded bores therethrough and being mounted on said bolt in threaded relation therewith with the concave sides of the cup-shaped members in opposed relation, said axial bores terminating adjacent the inside bottom of the cup portions in radially outwardly tapered smooth portions forming in cross section wedge-shaped spaces between said bolt and said tapered portions.

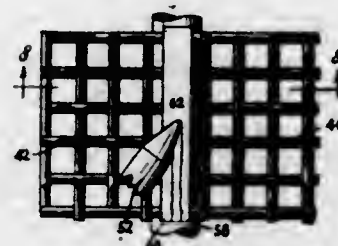
2,435,467

SPlicing MONOFILAMENT FABRICS

George A. Spencer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 11, 1946, Serial No. 715,407

7 Claims. (Cl. 154—116)



1. The method of splicing together pieces of thermoplastic monofilament fabric which comprises superposing the pieces of fabric with the edges thereof to be joined in alignment, and with at least the portions of both fabrics adjacent to the edges to be joined extended in contact, parallel to each other, and in the same direction away from the edges to be joined, heat sealing together the adjacent filaments of the fabrics at the edges to be joined, opening out the fabrics about the hinge so formed between the pieces of fabric, and welding together the filaments at said edges remote from said hinge.

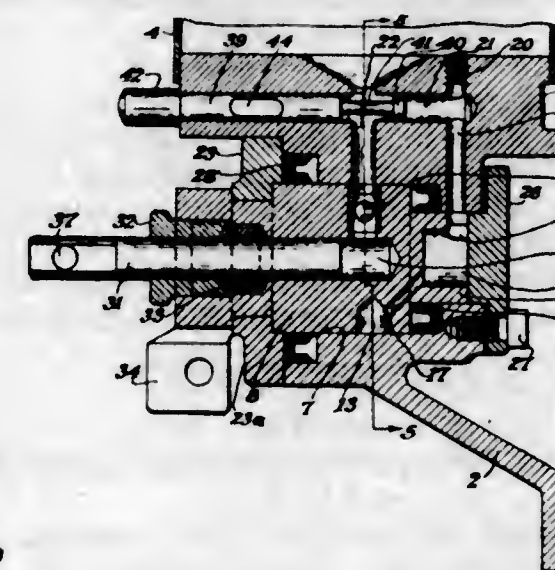
2,435,468

LUBRICATING PUMP

Fredrich J. Rode and Meredith R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

Application September 21, 1943, Serial No. 503,226

6 Claims. (Cl. 184—28)



2. In a pump of the character described, a pump body; a valve mounted in said body and rotatable to a plurality of selected positions, said valve having an axial chamber therein; a plunger in said chamber, said body having a passageway therein parallel with said chamber, a second valve mounted for reciprocal movement in said passageway and being movable in one direction by fluid pressure in one end of said passageway; means for connecting said chamber with the one end of a closed lubricating fluid system; and means for connecting said one end of said passage with the opposite end of said lubricating system, said last named valve having an indicator head extending exteriorly of the pump body whereby the position of said head indicates the entrance of fluid into said passageway.

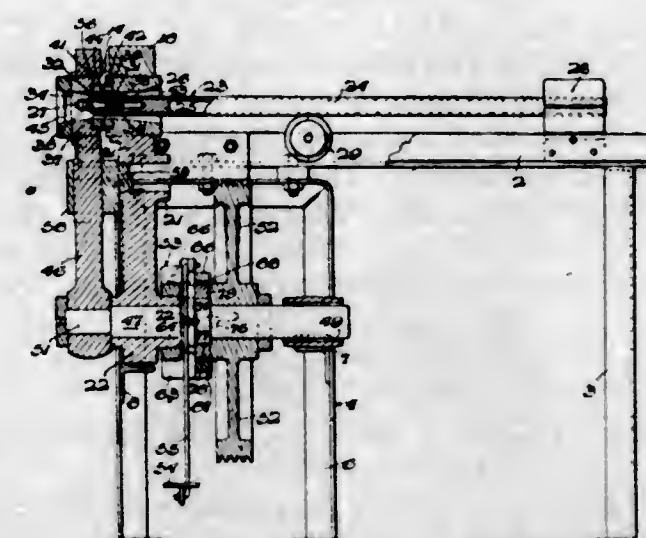
2,435,469

PIPE AND TUBE SHEARING MECHANISM

Elston A. Roop, Louisville, Ky., assignor, by direct and mesne assignments, to J. Edgar Duncan, Detroit, Mich.

Application October 19, 1945, Serial No. 623,239

22 Claims. (Cl. 164—40)



1. An internal plug assembly for a pipe-shearing device of the class described, comprising: a pipe-space mandrel member; front and rear internal pipe-shearing plugs mounted on the mandrel member in abutting end-to-end relation for related transverse pipe-shearing movement from an axially aligned position to an axially offset position; and resilient means arranged to move axially of the mandrel and continuously operative to urge the plugs toward and yieldably hold the plugs in axial alignment.

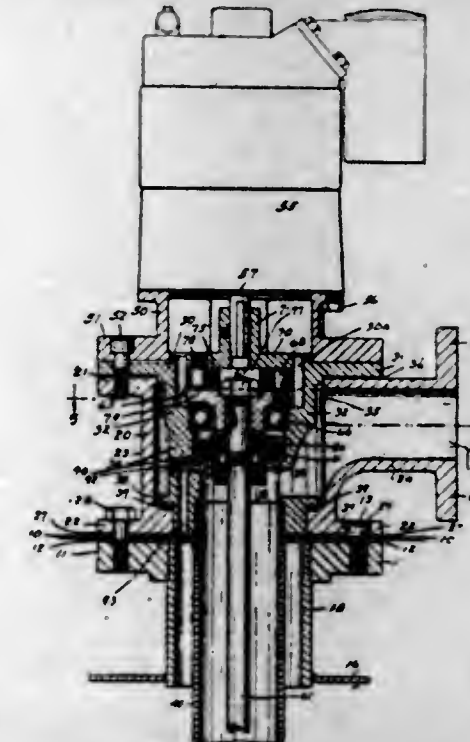
2,435,470

PUMP

Bernard Samelson, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a corporation of Ohio

Application June 23, 1944, Serial No. 541,711

8 Claims. (Cl. 103—102)



1. The combination with a horizontal plate having an opening through it, a collar on the underside of the plate surrounding the opening, bolts extending through the plate from above and engaging the collar to hold it to the underside of the plate, a pump above the plate having a base resting on the plate with a recess to receive the heads of the bolts, and other bolts passing through the plate and connecting the base above the plate to collar below it, and pumping mechanism carried by the base including a delivery pipe extending downwardly through the opening in the plate to the region below it.

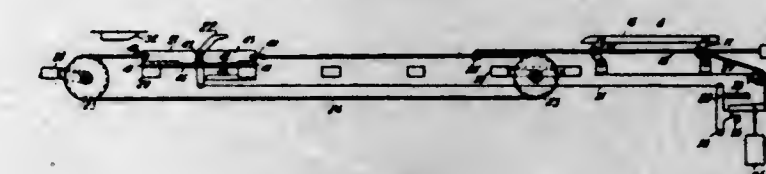
2,435,471

SAFETY DEVICE FOR AMUSEMENT PARK RIDES

William B. Schmidt, Chicago, Ill.

Application December 1, 1944, Serial No. 566,139

9 Claims. (Cl. 188—111)



1. In a safety device for an amusement park train, a brake, means for setting said brake to stop a train, a trigger adapted to be operated by a train to set said brake and stop said train, and means actuated by said brake setting means for moving said trigger out of the path of a train.

2,435,472

CIRCUIT INTERRUPTING DEVICE

Carl L. Schuck, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application November 17, 1944, Serial No. 563,879

3 Claims. (Cl. 200—120)

1. In an electric circuit interrupting device comprising a tubular casing, an upper terminal for said casing, a lower terminal for said casing, a hollow perforated container formed of conducting material supported from said upper terminal, a fusible element comprising a plurality of con-

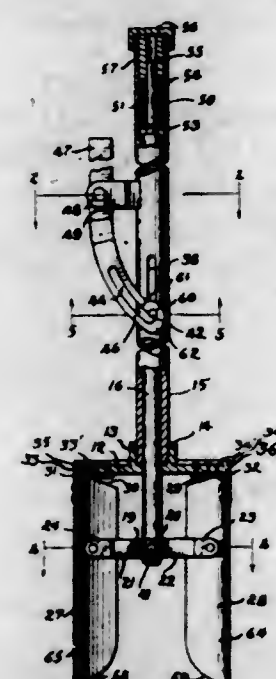
ductors connected between said container and said lower terminal, a body of granular inert arc quenching material in said casing embedding said conductors and substantially filling said con-



tainer, said arc quenching material flowing from said container to said casing in the event of settling of the material in the casing to insure that said conductors remain completely embedded in said material.

2,435,473 POSTHOLE DIGGER

Milo E. Sonnenberg, Garden City, Kans., assignor of one-third to Dave Mangan, Garden City, Kans.
Application February 23, 1946, Serial No. 649,529
2 Claims. (Cl. 294—50.8)



1. A post hole digger comprising a tubular handle with a flat plate secured transversely and at one end thereof, a rod extending through said plate and into said tubular handle, a pair of arcuate blades hinged to the outer edges of said plate, toggle links between the lower end of said rod and said blades, an actuating lever secured by an offset pivot on said handle, a pin rigidly secured transversely of said rod and extending through slots in said handle and in one end of said lever, whereby the blades may be operated by said lever, a lateral notch at one end of the slot in said lever to receive said pin and to lock said rod in blade-extending position, and a spring to bias said rod into said position.

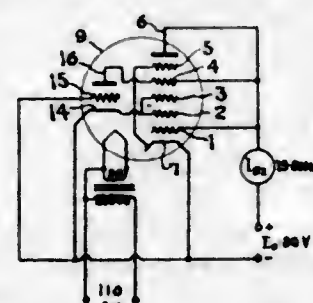
2,435,474 METHOD OF INHIBITING THE PRECIPITATION OF LITHIUM SOAP IN AN AQUEOUS SOLUTION OF LITHIUM HYPOCHLORITE

Edward C. Soule, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application March 19, 1943, Serial No. 479,780
11 Claims. (Cl. 252—97)

1. The method of inhibiting the precipitation of a lithium soap in an aqueous solution of lithium hypochlorite and a soap from the class consisting of sodium and potassium soaps which comprises adding a water-soluble polyphosphate to the solution in an amount at least equal by weight to the lithium hypochlorite present.

2,435,475 AGEING TUBES HAVING SPACE CHARGE GRIDS

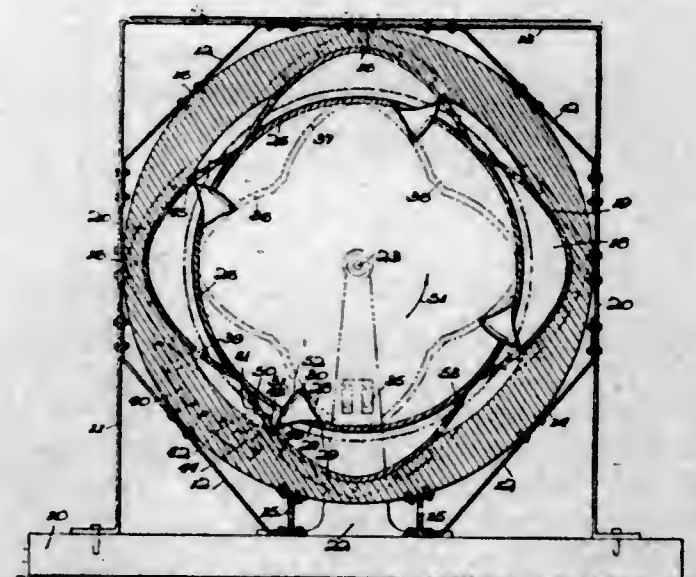
Charles Francis Stromeyer, Marblehead, Mass., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y., a corporation of New York
Application April 14, 1942, Serial No. 438,885
6 Claims. (Cl. 316—17)



1. The method of ageing an electron discharge tube having a space charge grid, a control grid, a screen grid, a cathode, and an anode, which comprises connecting the control grid with the cathode, connecting the screen grid and anode to the space charge grid and applying an alternating current voltage in series with a resistor across the cathode and the connection to said screen grid, anode, and space charge grid, while independently heating the cathode.

2,435,476 INTERNAL-COMBUSTION POWER UNIT HAVING A ROTOR WITH PIVOTED IMPULSE ELEMENTS

Orran B. Summers, Morenci, Ariz.
Application April 3, 1944, Serial No. 529,272
12 Claims. (Cl. 123—17)

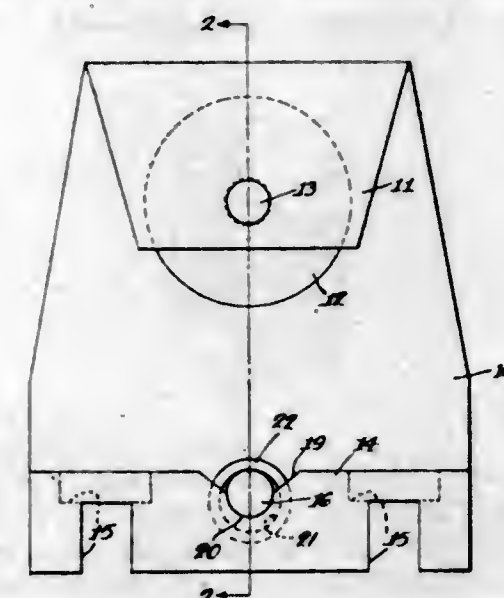


1. In an internal combustion power unit the combination of a rotor, a generally triangular-shaped piston pivotally mounted at an apex on

the periphery of said rotor for applying thrust thereto, said piston having its explosion receiving face at all times approximately normal to the tangent to the periphery of said rotor at said pivotal mounting, a stationary support, a combustion chamber mounted on said support in circumferential alignment with the periphery of said rotor, said combustion chamber in circumferential cross section having its radially outer wall gradually curved circumferentially and symmetrically from an intermediate point to both extremities with the altitude of said outer wall above the inner periphery of said chamber first increasing and then decreasing by substantially equal amounts for equal distances in the direction of the length of said chamber, a cam follower carried by a second apex of the piston, and a single cam means cooperating with the cam follower to move the piston into and out of the combustion chamber while maintaining continuous contact with said outer wall.

2,435,477 DOOR HANGER

Frans J. Swart, Rahway, N. J., assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J., a corporation of New Jersey
Application October 23, 1945, Serial No. 624,018
6 Claims. (Cl. 16—97)



1. In a door hanger a supporting plate having one edge reversely bent to form a parallel flange, said plate having an aperture therethrough and said flange having a curved seat in alignment with said aperture and open at the edge of said flange and an eccentric pin supported in said aperture and on said curved seat.

2,435,478 POLYAMIDES FROM POLYOCTADECAPOLY-ENYLAMINE

Howard M. Teeter and John C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application January 11, 1946, Serial No. 640,643
4 Claims. (Cl. 260—404.5)

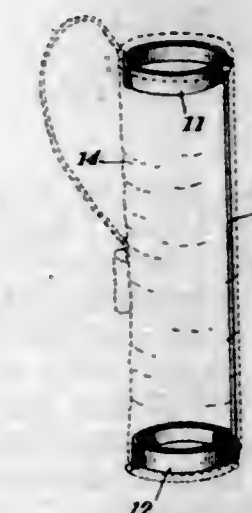
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A polyamide obtained by reacting a member chosen from the group consisting of polymeric fat acids and polymeric fat esters with polyoctadecapolyenylamine at a temperature within the range of 150° C. to 250° C. for a period of several hours.

607 O. G.—10

2,435,479 GOLF BAG SHAPE RETAINING INSERT

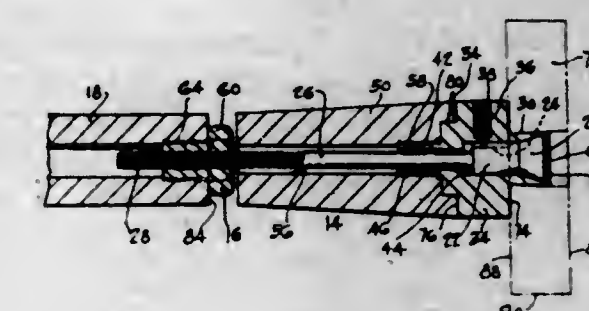
George S. Thommen, New York, N. Y., assignor to Sports Products Corporation, New York, N. Y., a corporation of New York
Application August 7, 1944, Serial No. 548,338
4 Claims. (Cl. 150—1.5)



3. A shape retaining insert for flexible bags comprising a rod shaped element for positioning upright in said bag, two substantially circular spring members adapted when flexed to smaller circular size to be received in said bag, one for the bottom and the other for the top of said bag, the center portion of each spring member having an eyelet, and said rod element having its ends capable of being received in the eyelets to hold the spring members at the top and bottom ends of said bag, the spring members when released from said smaller size tend to return to their original size urging outwardly material of said bag causing it to assume substantially circular shape.

2,435,480 EXPANDIBLE WORKPIECE HOLDER

John Tuttle, Bala-Cynwyd, Pa.
Application March 15, 1945, Serial No. 582,953
3 Claims. (Cl. 279—2)



1. A work piece holder comprising an adapter collet, an expandible bushing extending from one side of said collet and adapted to engage an opening in a work piece, a hollow threaded nipple extending from the other side of said collet, an elongated member including a shank adapted to extend through said bushing, said collet and said nipple, and a tapered head adapted to move into and expand said bushing to lock the same to said work piece, an adapter sleeve adapted to be engaged by the rotating head stock of a machine tool and having a passage therein through which said shank extends, a portion of the passage in said sleeve being threaded for engaging said nipple, and means engaging the end of said shank opposite said tapered head and operable to force said tapered head into and out of said bushing.

2,435,481

WINDOW SASH HOLDING DEVICE

Martin Tykeson, Hamden, Conn.

Application January 18, 1945, Serial No. 573,394

8 Claims. (Cl. 16-197)



1. A holder for the sash of a window adapted to slide in a window frame, said sash having a groove in its side edge adjacent the frame, said holder comprising telescoping members, one of said members being attached to the frame and entering the groove in the side edge of the sash to guide the sash in its sliding movements in the frame, and the other of said members being attached to the sash, said members being in frictional engagement, and means to vary the pressure of the one member against the other.

2,435,482

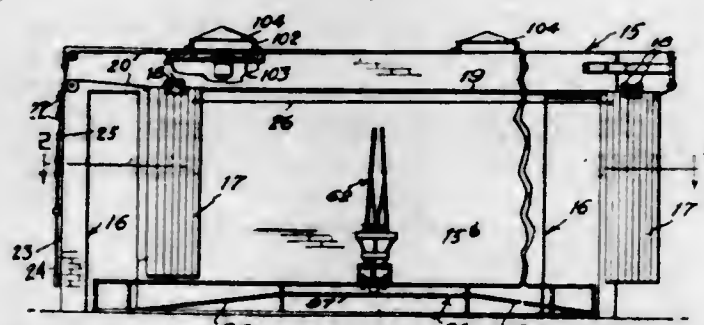
PANTS DRYER AND SHAPER

Oliver S. Vigerust and Julian Layne,

La Tuna, Tex.

Application September 5, 1946, Serial No. 694,924

11 Claims. (Cl. 223-73)



1. In an apparatus for stretching and drying trousers, a drying chamber having means for circulating hot air therethrough, a track extending through said drying chamber and being provided with a plurality of rails, a carriage having wheels for engaging said rails, a pants stretching frame mounted in said carriage and provided with spring means for normally retaining the frame in an extended position for stretching a pair of trousers disposed thereon, and means forming a part of the track and disposed in a section thereof for engaging a portion of the stretcher frame for retracting the frame for permitting a pair of trousers to be removed therefrom or applied thereto, said carriage and its supporting frame being mounted for movement on the rails for movement through the drying chamber.

2,435,483

PREPARATION OF LUBRICATING OIL

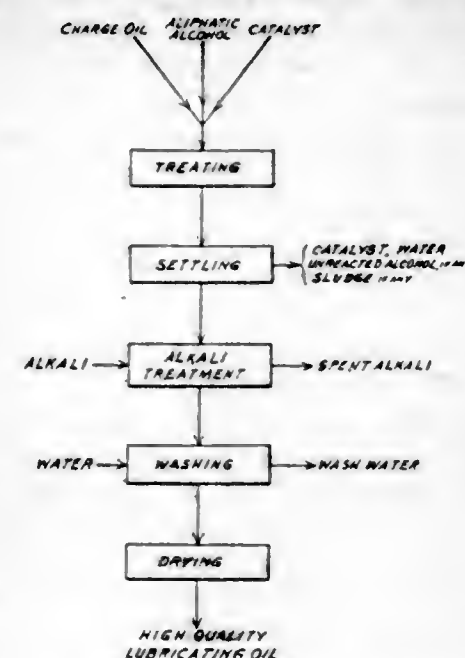
Richard S. Vose, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application February 19, 1944, Serial No. 523,050

7 Claims. (Cl. 260-683.4)

1. The method of alkylating hydrocarbons which comprises reacting a hydrocarbon charge boiling above about 400° F. containing a substantial proportion of naphthenic constituents and containing less than about 10 percent aromatics with at least a substantially equimolar quantity

of an aliphatic alcohol containing at least 8 carbon atoms per molecule under alkylating conditions



tions and in the presence of a catalyst of the water-absorbing type.

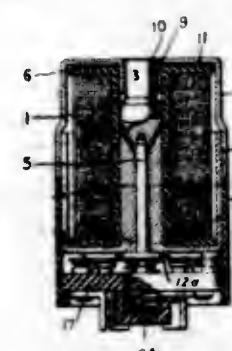
2,435,484

ELECTRIC CONTACT DEVICE

Albert Wellman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 7, 1946, Serial No. 714,698

4 Claims. (Cl. 200-4)



1. In an electric contact device, a base having two pairs of fixed contacts mounted thereon, a planar movable contact member of electric conducting material including a bridging contact arm and a pair of resilient contact arms extending outwardly from opposite sides of said bridging arm at opposite ends thereof, said bridging arm cooperating with one said pair of fixed contacts, and the free ends of said resilient arms cooperating with the other said pair of fixed contacts, an actuating member connected to move said bridging arm transversely and in a plane substantially perpendicular to the plane of said contact element, and a pair of fixed abutments mounted upon said base and positioned to engage said resilient contact arms intermediate their ends, said resilient arms pivoting about said abutment when said bridging arm is moved in one direction by said actuating member thereby to move the free ends of said resilient arms in the opposite direction.

2,435,485

OVERSHOE SEAMED TO STIFFEN PLASTIC UPPER

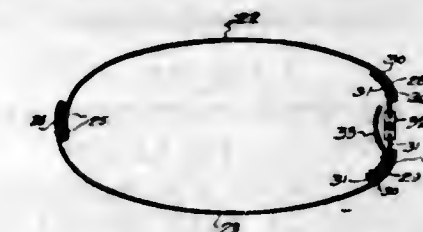
Evalyn Wheaton, Detroit, Mich.

Application November 13, 1945, Serial No. 626,118

1 Claim. (Cl. 36-7.3)

An overshoe comprising a lower portion of rubber-like material shaped to fit over a shoe, an upper portion having a height a plurality of times the height of the lower portion and composed substantially in its entirety of two pieces of

transparent plastic material having their bottom edges secured to the upper edge of said lower portion and having their vertical rear edges turned back, the turned back edges being disposed in



interleafed relation and secured together to form a seam, and a slide fastener secured to and closing the vertical forward edges of said upper portion.

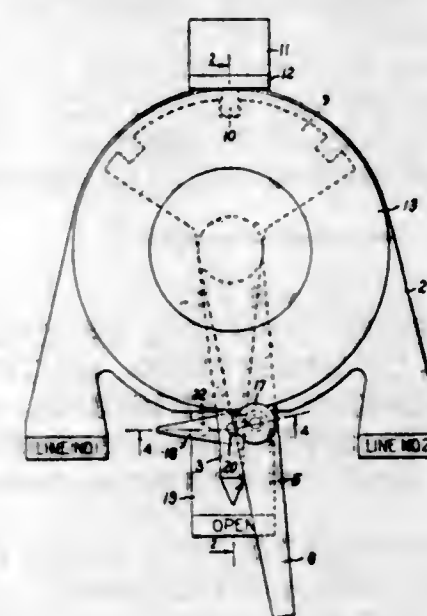
2,435,486

OPERATING MECHANISM

Ernest Williams, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application August 7, 1946, Serial No. 688,884

5 Claims. (Cl. 74-504)



1. An operating mechanism for actuating a movably mounted member of an electric switch and the like in one direction and then actuating the member in the reverse direction but only after a desired time interval comprising an element secured to said member for movement therewith, an operating lever mounted on said member for movement relatively thereto, engaging means supported on said lever for movement into and out of engagement with one side or the other of a portion of said element and adapted to be moved relatively to the element and the lever to permit movement of the lever independently of the element and then to be moved in the opposite direction to engage the element upon reversal of movement of the lever, and means for retarding the movement of said engaging means relatively to said lever whereby to permit the reverse movement of the member only after a desired time interval.

2,435,487

ELECTROMECHANICAL VIBRATOR

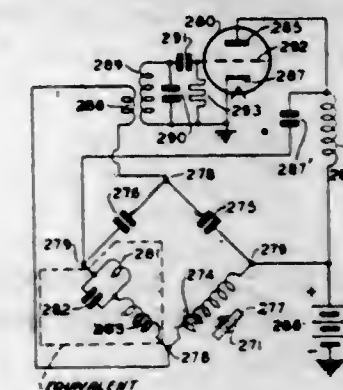
Robert Adler, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois

Application February 1, 1943, Serial No. 474,290

33 Claims. (Cl. 250-36)

13. In combination, a vibratory metallic body, said body having at least three dimensions of different magnitudes, electromagnetic means for exciting substantially all of the mass of said body simultaneously into oscillation, and electric circuit means for sustaining continuously such oscillation, said electromagnetic means being so

disposed with respect to said body such that said body oscillates in a mode substantially determined by a dimension of intermediate magnitude and in a direction perpendicular to a relatively small dimension which is of such magnitude that substantially all incremental portions of the body are acted upon by said electromagnetic means.



said intermediate dimension being substantially perpendicular to the longest dimension of said body such that a relatively large motional impedance is introduced into said electrical circuit whereby said body may be locked in step with said electrical circuit particularly at high frequencies.

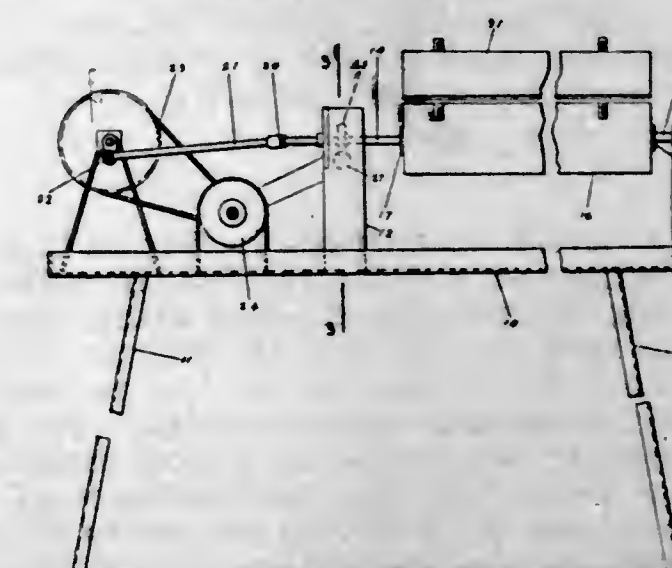
2,435,488

APPARATUS FOR POLISHING KNITTING NEEDLES AND THE LIKE

Samuel Baylin, Montreal, Quebec, Canada

Application November 9, 1945, Serial No. 627,592

2 Claims. (Cl. 51-164)



1. In an apparatus for polishing knitting needles and the like, a container having a plurality of compartments laterally divided one from another which are adapted to hold needles in a longitudinal position, an axle shaft secured to one end of said container and supported by a suitable bearing, a drive shaft secured to the other end of said container and having a splined portion and ending in a knuckle joint, worm and drive gear means for rotating said drive shaft and container connected to said splined portion, and concurrent means connected to said knuckle joint for imparting reciprocating motion to said container, thereby causing said needles to continue in sliding longitudinal relation to said container.

2,435,489

STOCKING AND METHOD OF PRODUCTION

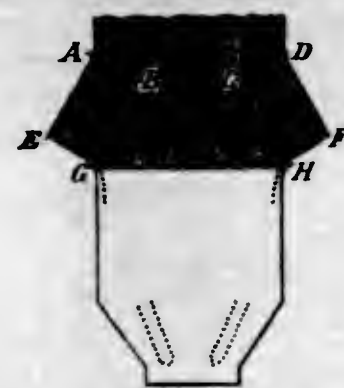
Edwin Brand Beacham, Easton, Pa.

Application August 14, 1945, Serial No. 610,744

9 Claims. (Cl. 66-187)

1. A stocking having a vertically disposed oblong heel pocket with complementary triangular upper and lower gores at each side united by a diagonal suture, the fabric of each upper gore

being narrowed by at least one needle loop in uniformly spaced courses, and each lower gore



being widened by at least one needle loop in differently spaced courses some by a distance greater than in the first gore.

2,435,490

VACUUM CLEANER BAG

Arthur Beager and Elizabeth W. Beager,
New York, N. Y.

Application September 20, 1945, Serial No. 617,624
2 Claims. (Cl. 150-3)



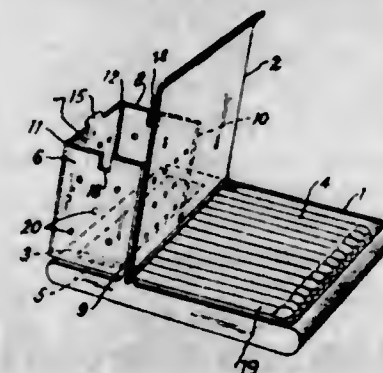
1. In a vacuum cleaner bag having an inlet end and an outlet end, a hem formed at the outlet end of said bag, a rigid ring enclosed within the said hem, the said ring having an exterior channel and so constructed and arranged as to keep the outlet end of the bag in a permanent open position, a sealing cap formed of pliable material, a split ring secured to the circumference of said sealing cap, and draw-strings secured to the ends of said split ring for the purpose of snugly fastening the sealing cap to the flange portion of the ring in the outlet end of said bag.

2,435,491

MATCH BOOK HOLDER WITH WIND GUARD

Martin Berg, Brooklyn, N. Y.

Application August 22, 1944, Serial No. 550,539
2 Claims. (Cl. 206-35)



1. The combination with a box containing a match book having an abrasive face, said box having a hinged cover and a window exposing the abrasive face of said match book, of a shield formed on said cover in operative position and collapsed over said cover in inoperative position,

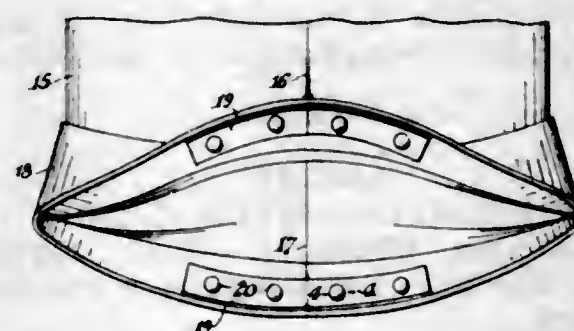
said shield comprising four side walls, said cover forming one of said side walls and said abrasive face forming the bottom of said shield upon lifting the cover of said box.

2,435,492

SHIELD FOR THE BOTTOM EDGES OF TROUSER LEGS

George W. Blank, Philadelphia, Pa.

Application July 24, 1945, Serial No. 606,737
3 Claims. (Cl. 2-232)



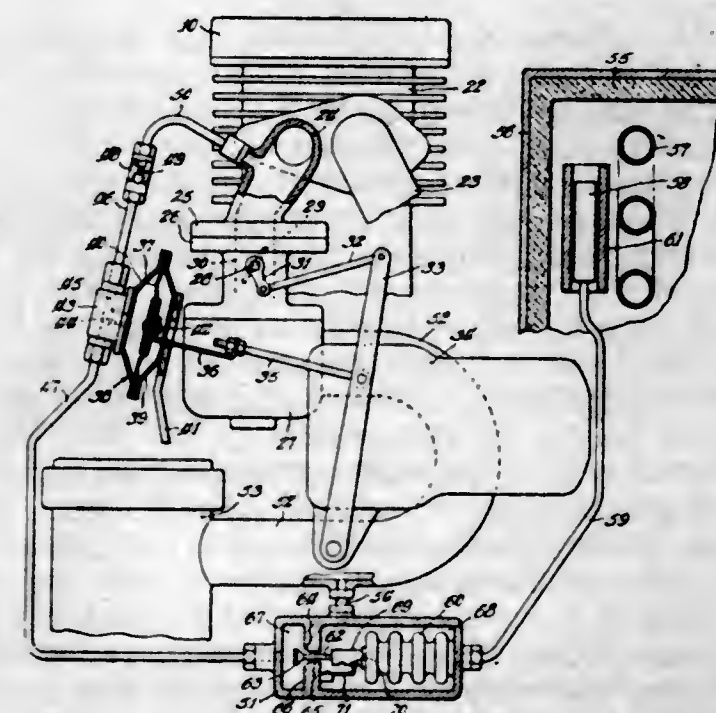
1. In a shield of the kind described, a baffle member to be detachably secured to a trousers leg and comprising a washer, a pair of bendable prongs projected through the hole in the washer, a cap secured to the washer for holding the prongs in place, a head of hard wax fixed to the cap, and a reinforcing ring embedded in said head.

2,435,493

REFRIGERATION SYSTEM INCLUDING AN INTERNAL-COMBUSTION ENGINE AND CONTROL MEANS THEREFOR

Philip E. Cary, Perryville, Md., assignor to International Harvester Company, a corporation of New Jersey

Application November 29, 1943, Serial No. 512,085
18 Claims. (Cl. 62-4)



1. Control means for a refrigeration apparatus including a compressor, a cooling chamber, an evaporator in the cooling chamber, an internal combustion engine and drive means for connecting the engine to the compressor including an automatic centrifugal clutch operable to engage the drive mechanism when the engine attains a predetermined speed, said engine having a carburetor and a throttle valve therefor, a mixture intake conduit and a speed controlling governor connected to said throttle valve, comprising: a fluid-pressure-responsive device connected to the governor and communicating with the intake conduit and operable upon the application of intake conduit pressure thereto to overcome the

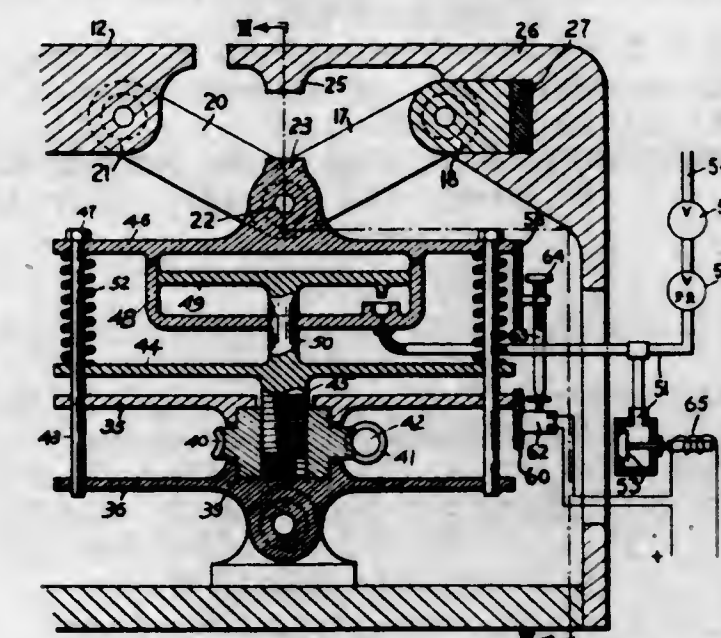
governor and close the throttle valve, a temperature-responsive device positioned in the cooling chamber, and means operable by said temperature-responsive device to control the application of pressure in the intake conduit to the pressure-responsive device.

2,435,494

PLATEN DRIVE FOR FLASH BUTT WELDERS

Joseph H. Cooper, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio

Application October 30, 1944, Serial No. 560,961
10 Claims. (Cl. 219-4)



1. In an electric flash-butt welding machine having a base and a platen slidably mounted thereon, apparatus for effecting sliding movement of said platen comprising a toggle interconnecting said base and platen, power operated moving means, expansible linkage interconnecting said moving means and said toggle whereby said toggle may be operated in a straightening direction, and means to apply an expansible force to said expansible linkage whereby a large moving force may be quickly applied to said platen as the toggle approaches a straightened condition for effecting the upsetting of the work piece held by said platen.

2,435,495

PROCESS FOR PRODUCING MAGNESIUM ORE BRIQUETTES

John Parsons Dick, Haley, Ontario, Canada, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada

Application June 21, 1944, Serial No. 541,428
In Canada May 11, 1944
4 Claims. (Cl. 75-67)



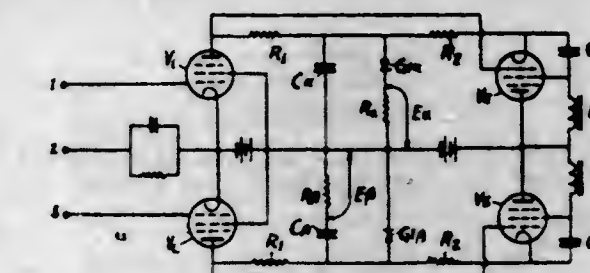
1. In the production of briquettes from finely divided material consisting essentially of magnesia, the improvement of which comprises incorporating substantially 0.6 to 0.8% by weight of moisture in the material and pressing the material into briquette form.

2,435,496

IMPULSE MODULATION SYSTEM

Gustav Guanella, Zurich, and Paul Güttinger, Wettingen, Switzerland, assignors to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application March 13, 1945, Serial No. 582,464
In Switzerland March 16, 1944
23 Claims. (Cl. 179-171.5)



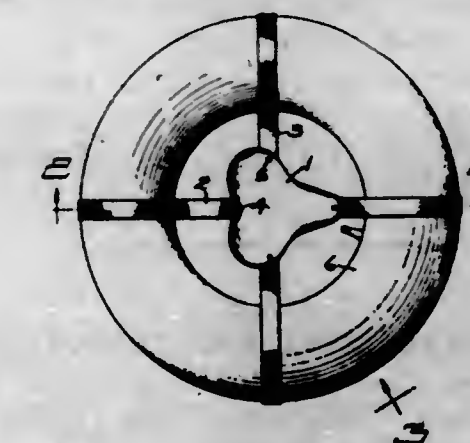
4. In an impulse time modulation system, means for producing successive energy pulses of equal width and varying in amplitude in proportion to equally spaced momentary amplitudes of a modulating signal, and means for converting said energies into impulses of substantially constant amplitude and having at least one edge spaced from the edges of correspondingly equally spaced successive time periods at intervals varying in proportion to the amplitudes of the respective signal energies.

2,435,497

FLOATING SEAT

Casimir Hajduk, Dearborn, Mich.

Application April 5, 1946, Serial No. 659,801
5 Claims. (Cl. 9-17)



1. A floating seat including a support on which a bather is adapted to rest, two endless straps secured to the support, the portions of the straps secured to said support extending across one another and the loops formed by the straps each being adapted to extend around opposite sides of an inflated annular tube and hold the support suspended substantially in alignment with the axis of the tube.

2,435,498

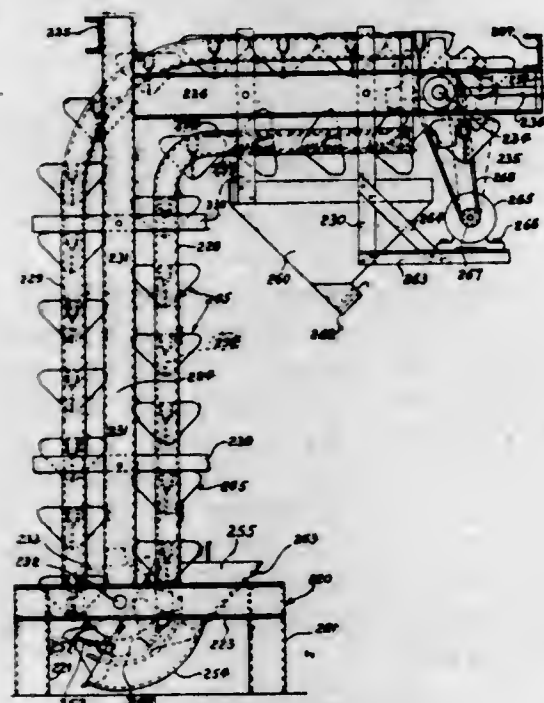
CONVEYOR STRUCTURE WITH PIVOTED BUCKETS

Henry W. Hapman, Detroit, Mich., assignor to Hapman Conveyors, Inc., Detroit, Mich., a corporation of Michigan

Application June 3, 1943, Serial No. 489,427
9 Claims. (Cl. 198-145)

9. A conveyor structure comprising a pair of spaced opposed channel guideways defining a circuitous conveyor course and pathway, loading and unloading stations at each end of said conveyor pathway, an endless conveyor chain in each of said channel guides formed of a series of pivotally connected link members, trough-

shaped pivoted conveyor buckets extending between and supported by said conveyor chains with their pivotal axis coincident with the pivotal axis of certain of said link members and within the confines of said channel guideway and a hopper located adjacent one end of the conveyor structure in the path of said buckets, guide projections on the end walls of said buckets extending radially from the pivotal axis thereof, a guide member at one end of the conveyor structure



adjacent the loading station, cooperable with the radial guide projections on the ends of the buckets to tilt the same as the buckets traverse said hopper, and a bucket tripping member adjacent said unloading station cooperable with said radial guide projections to tilt the buckets as they pass said unloading station to thereby maintain the buckets in a tilted position during their travel over said unloading station and to spread material over the entire area of the unloading station.

2,435,499

PARASITICIDAL PREPARATIONS

Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 14, 1944,
Serial No. 531,123

8 Claims. (Cl. 167-32)

1. A fungicidal composition comprising an aqueous suspension of 2,3-dichloro-2,3-dihydro-1,4-naphthalenedione containing a dispersing agent.

7. The improvements in propagating plants from cuttings and the like which comprises subjecting the cuttings to the action of 2,3-dichloro-2,3-dihydro-1,4-naphthalenedione.

2,435,500

2,3-EPOXY-1,2,3,4-TETRAHYDRONAPHTHALENEDIONE-1,4 AS PARASITICIDAL PREPARATIONS

Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 5, 1944,
Serial No. 548,299

17 Claims. (Cl. 167-30)

1. A fungicidal preparation comprising an aqueous suspension of a 2,3-epoxy-1,2,3,4-tetrahydronaphthalenedione-1,4 containing a dispersing agent.

**2,435,501
ACENAPHTHENE-1,4-DIONE AS PARASITICIDAL PREPARATIONS**

Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 5, 1944,

Serial No. 548,300

9 Claims. (Cl. 167-30)

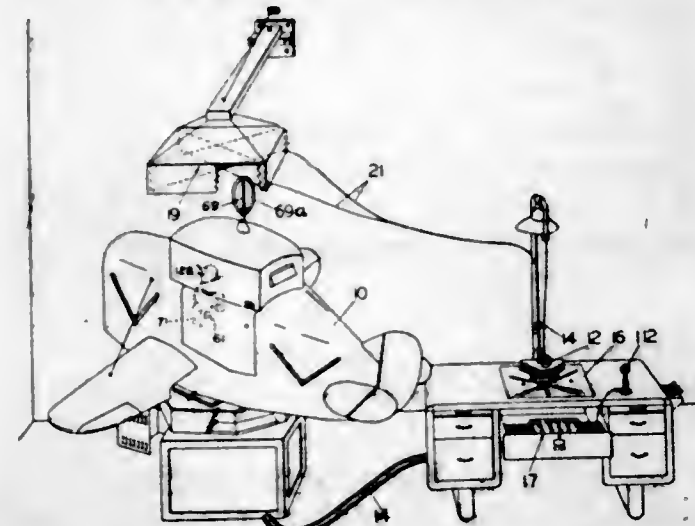
1. A fungicidal preparation comprising acenaphthenedione as an active ingredient in an aqueous suspension containing a dispersing agent.

**2,435,502
RADIO SIGNALING MEANS FOR AVIATION TRAINERS**

Gregor L. Lang, West Caldwell, N. J., assignor to Link Aviation, Inc., a corporation of New York

Application April 29, 1942, Serial No. 440,950

9 Claims. (Cl. 35-10)



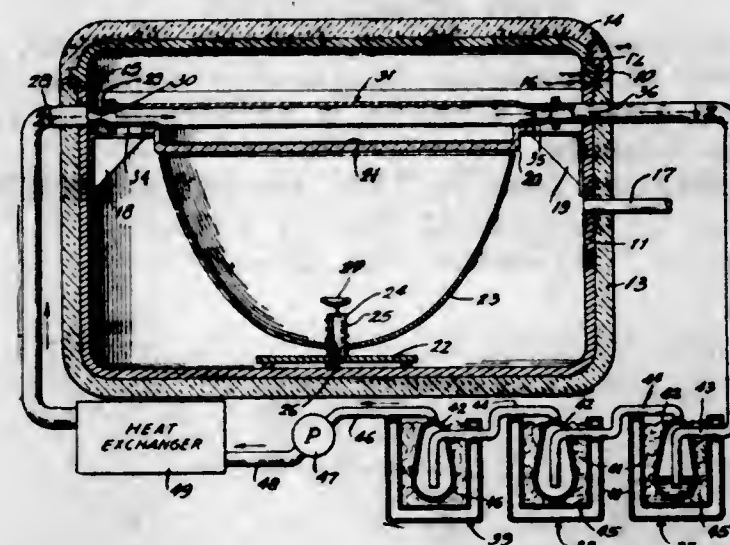
6. In an apparatus for instruction in navigating by radio, the combination of a plurality of sources of audiofrequency modulating waves; an oscillator; a plurality of means for tuning said oscillator; and a gang switch for simultaneously selecting a modulating source and one of said tuning means.

2,435,503

DRYING OF FROZEN MATERIALS

Sidney O. Levinson and Franz Oppenheimer, Chicago, Ill., assignors to Michael Reese Research Foundation, a corporation of Illinois
Application September 30, 1943, Serial No. 504,412

1 Claim. (Cl. 34-5)



A method of drying materials containing frozen water, comprising passing a relatively dry inert gas across the surface of said material in a drying chamber to remove water vapor about said material from contact with the surface of the frozen water whereby frozen water in said material is converted to the vapor state without being melted, subjecting the material in said

chamber to radiant energy to impart heat thereto to vaporize the frozen water, subjecting the chamber and the material therein to a total pressure of less than 4 mm. mercury, withdrawing moisture-laden gas from said zone, removing water from the withdrawn gas, recirculating the gas after the removal of water therefrom, and again passing the gas across the surface of said material.

2,435,504

WELDING ROD

David L. Mathias, East Orange, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 26, 1944,

Serial No. 569,910

4 Claims. (Cl. 219-8)

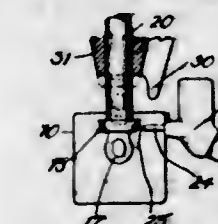
1. A weld rod coating comprising about 40% fluorspar, about 40% CaCO₃, and about 9.5% ferrotitanium, said coating being free of hydrous materials.

2,435,505

METHOD OF TRIMMING GATES OF DIE CASTINGS

Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Original application January 15, 1943, Serial No. 472,492. Divided and this application January 13, 1944, Serial No. 518,196

6 Claims. (Cl. 22-200)



5. The method of trimming casting and stripping the same from a member on which the casting is formed, which comprises arranging trimming and stripping tools in close proximity to said member, forming a casting on said member between relatively movable dies, separating the dies, leaving the casting on said member, and then moving the member and tools one relatively to the other to first trim the casting and then in a continued unidirectional movement in the same direction to strip the casting from said member.

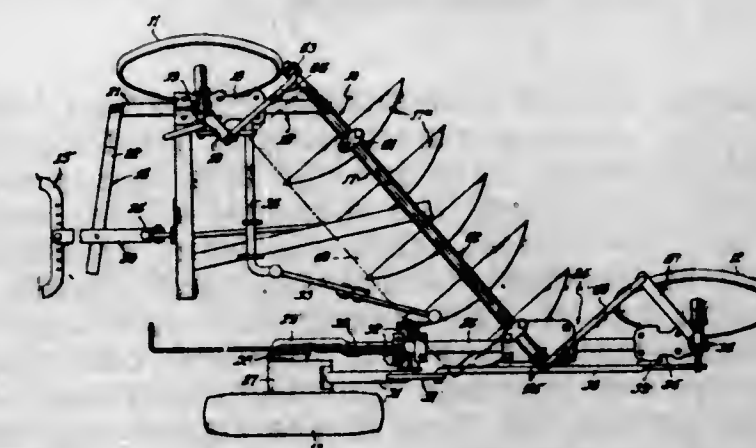
2,435,506

STEERING MEANS FOR AGRICULTURAL IMPLEMENTS

James Moroski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application November 14, 1945, Serial No. 628,591

6 Claims. (Cl. 97-181)



6. In a disk plow having a diagonal tool-carrying frame section, a steerable ground-en-

gaging wheel adjacent each end of the diagonal frame section and at opposite sides thereof, a dispensing container mounted upon said frame section and extending parallel thereto between said wheels, and means for transmitting steering motion from one said wheel to the other comprising a rock-shaft mounted in bearings on said diagonal frame section parallel to said frame section, a rock arm adjacent each end of said shaft, and means operatively connecting said rock arms and said wheels.

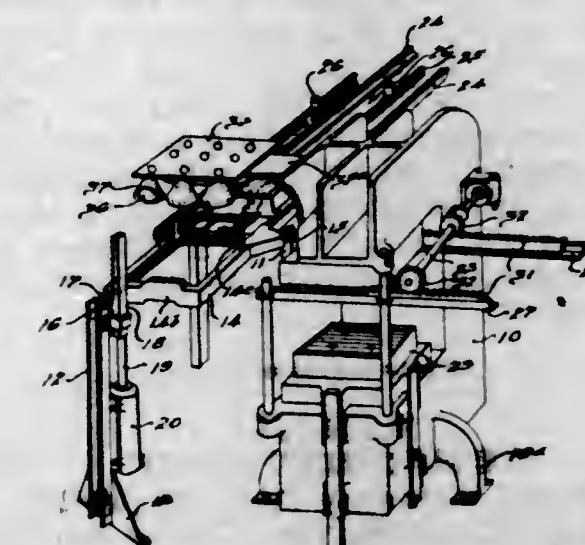
2,435,507

APPARATUS FOR MAKING MOLDS

Herbert J. Pattison, Grosse Pointe, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application April 2, 1943, Serial No. 481,545

3 Claims. (Cl. 22-34)



2. An apparatus for extracting a plaster mold from a metal flask having a metal pattern secured therein against the bottom of the flask, comprising a rotatable frame, means for conveying the flask into supported position on said frame with the mold exposed within the open top of the flask, means for rotating said frame to invert the flask and position the bottom thereof uppermost, means for directing heat rays against the bottom of the flask to initiate separation of the mold from the pattern within the flask, and means for withdrawing the mold from the flask.

2,435,508

MANUFACTURE OF DITHIO BIS-ARYLAMINES

Philip T. Paul and Lyndon B. Tewksbury, Jr., Nantuxet, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 1, 1944,

Serial No. 561,493

3 Claims. (Cl. 260-582)

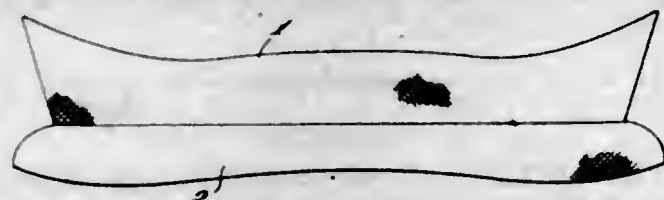
1. A process of purifying a dithio bis-arylamine produced by reaction of a primary arylamine with elemental sulfur whereby a crude mixture comprising unreacted sulfur, unreacted arylamine, and a dithio bis-arylamine is produced, which comprises agitating the crude mixture with an aqueous solution of an alkali-metal sulfite, forming an oily layer and a watery layer, separating therefrom the oily layer containing dithio bis-arylamine, and extracting from the oil acid-soluble dithio bis-arylamine with aqueous non-oxidizing mineral acid.

2,435,509

STITCHLESS SHIRT COLLAR AND METHOD OF MAKING IT

Edward C. Pfeffer, Jr., Troy, and Laurence M. Miller, Albany, N. Y., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York

Application December 27, 1943, Serial No. 515,690
3 Claims. (Cl. 2-143)



1. A shirt collar in which the shrinkage and fabric puckering, heretofore due to stitching by thread, is prevented, which comprises a collar top portion having a plurality of superposed layers and a neckband portion also formed of a plurality of layers, the neckband portion overlapping along an edge thereof with an edge of said top portion, a paper thin ribbon of a freely flexible, thermoplastic resin, disposed between said layers of each portion along their free marginal edges and also between abutting and slightly overlapping marginal edges of said portions, said ribbon being adherent to and uniting the layers and portions with which it is in contact to provide alone adequate connection between them in lieu of stitching.

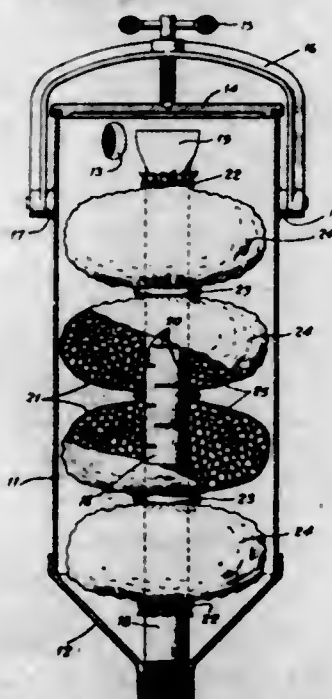
2,435,510

FILTER CARTRIDGE

Lloyd E. Rabjohn, Glendale, Calif.

Application August 26, 1946, Serial No. 692,951

1 Claim. (Cl. 210-131)



A cartridge for filtering and degassing water, comprising: a tube threaded at one end for co-operation with a water-supply connection, the other end of the tube being pinched to close it and to permit engagement of a wrench, there being a plurality of apertures through the side wall of the tube and spaced along the length thereof; a sleeve of fine-mesh fabric around said tube and closely joined at its opposite ends to the tube adjacent the ends of the same, said sleeve being considerably larger than the tube; means for dividing said sleeve so that it forms a plurality of receptacles each communicating with ones of said apertures, said dividing means comprising a plurality of rings spaced apart between the closed ends of the sleeve and gripping the sleeve to the tube; and relatively-coarse granules of activated carbon filling each of said receptacles.

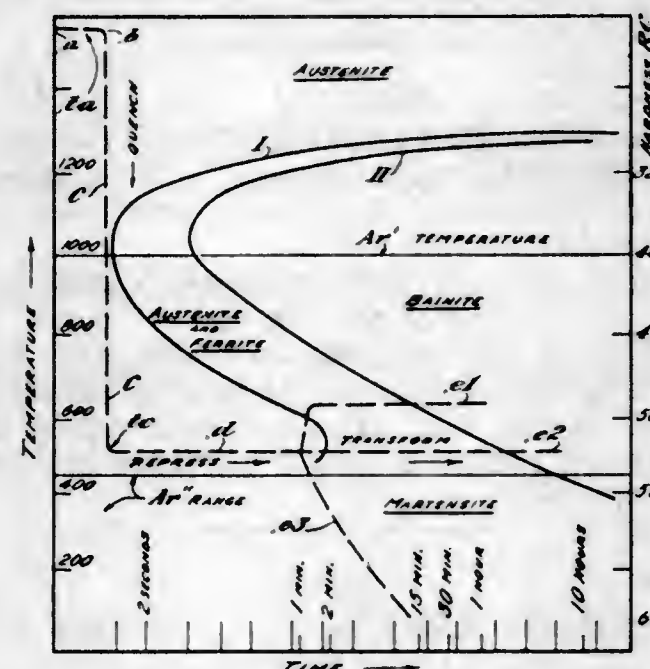
2,435,511

METHOD OF MAKING METAL BODIES

Richard E. Rice, Winthrop, Mass., assignor, by mesne assignments, to Isthmian Metals, Inc., Boston, Mass., a corporation of Massachusetts

Application May 15, 1945, Serial No. 593,977

8 Claims. (Cl. 75-22)



1. A method of making steel articles requiring great accuracy of final dimensions and having a high strength and hardness comprising the steps of subjecting a porous powder compact predominantly of iron and carbon to a temperature above its critical temperature for a sufficient length of time substantially completely to convert it to the austenitic state, quenching the compact to a subcritical temperature below 1,000° F. and above the top limit of the range within which austenite transforms instantaneously from austenite to martensite, subjecting the compact to the action of accurately dimensioned dies to impart to the compact the dimensions of the dies while the metal of the compact is still predominantly austenitic, said subcritical temperature being selected so that when the dies are heated up from room temperature to this temperature they will be in a condition close to their maximum strength and hardness, and thereafter removing the shaped compact from the dies and cooling it to room temperature.

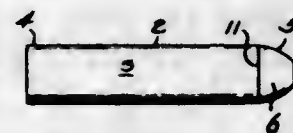
2,435,512

GUITAR STEEL

William H. Richmond, Piedmont, Calif., assignor to Richmond-Walker Manufacturing Company, Oakland, Calif., a copartnership

Application November 6, 1944, Serial No. 562,107

1 Claim. (Cl. 84-319)



A guitar steel of substantially cylindrical form and having ends, said steel being of substantially uniform diameter from one end to a line spaced from the other end, the diameter of the steel from said line to said other end being gradually reduced to provide a curved surface extending from said line to said second end, said second end being smaller than said first end, both ends being concave, whereby the larger end may be abutted against the base of the thumb and the other end held against the tip of the forefinger to enable the player to mute one or more of the strings of an instrument being played.

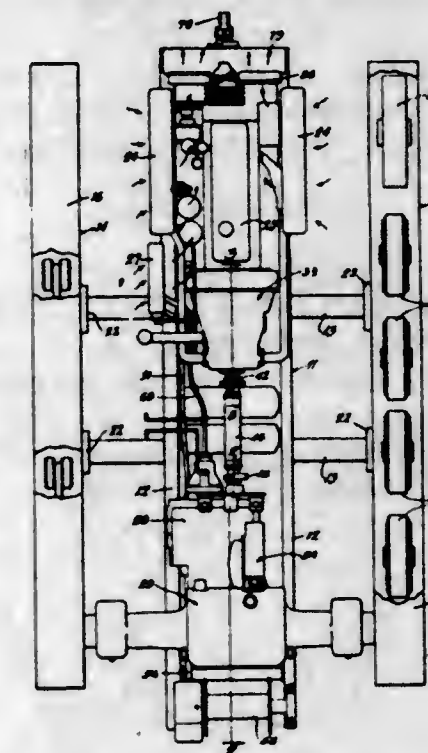
2,435,513

LUBRICANT COOLING RADIATOR FOR REAR ENGINE VEHICLES

Clifford R. Rogers, Oak Park, William O. Beehman, Chicago, and David B. Baker, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application July 19, 1943, Serial No. 495,264

1 Claim. (Cl. 180-54)



In a tractor having a chassis, a plurality of drive units positioned along the length thereof, an engine mounted near the rear of said chassis, a fan at the rear of said engine, a pair of hot water engine radiators paralleling the sides of said engine, a transmission and differential positioned on the fore end of the chassis, a lubricant for said transmission and differential, and a radiator for effecting cooling of said lubricant, said last-named radiator in longitudinal alignment with and positioned forwardly of one of said engine radiators, whereby the fan positioned at the rear of the engine is adapted to draw air in through all three radiators thereby causing cooling of lubricant in the lubricant radiator and water in the water engine radiators.

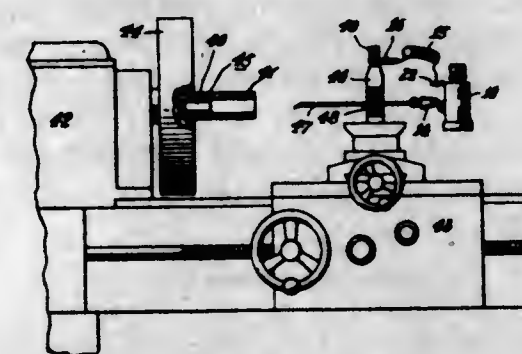
2,435,514

PORTABLE VISUAL INDICATOR FOR MACHINE-SHOP WORK SETUPS

Lee Allen Ross, Lebanon, Pa.

Application May 22, 1945, Serial No. 595,171

2 Claims. (Cl. 177-311)



1. A portable, universal, battery-powered visual indicator for use with different machine shop work setups in which first and second parts of the work setup are electrically insulated from each other and between which parts it is desired to make contact for setting up the work; said indicator comprising a casing, a battery in said casing, a lamp supported by said casing, a positioning spring clamp secured to said casing for clamping the indicator to a first part of the work setup to positively support the indicator in con-

venient position for the machinist to observe said lamp, said clamp also serving to make electric connection with the work setup, a lead wire, said casing having means forming a circuit, which includes said lamp and battery, between said positioning clamp and lead wire, a second spring clamp connected to said lead wire and adapted to clamp onto and make electric connection with the second part of the work setup, said clamps being of the universal type to engage and grip a wide variety of parts, whereby establishment of contact between said parts of the work setup is readily noted by lighting of said lamp.

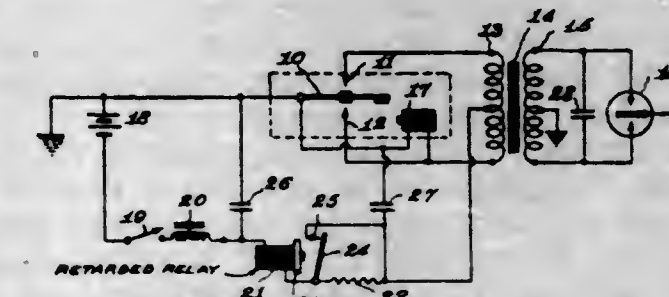
2,435,515

VIBRATOR CIRCUIT

Theodore N. Rosser, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application December 15, 1943, Serial No. 514,375

7 Claims. (Cl. 171-97)



7. In combination with a vibrator power supply having a reed bearing vibratory contacts for controlling the current flow through a circuit including a source of current and the primary winding of a transformer, a main switch and a current limiting resistance in series with said source of current, a differential relay having a voltage coil connected across said source after said switch and a current coil connected in series with said source, contact means operable by the joint effect of said coils to short-circuit said resistance, the relative magnetizing effect of said coils being so determined that during the initial starting surge the current coil is controlling to maintain said contacts means inoperative and that during normal steady operation the voltage coil is controlling to render said contact means operative, and means operatively associated with said relay to delay actuation of said contact means after said coils are energized.

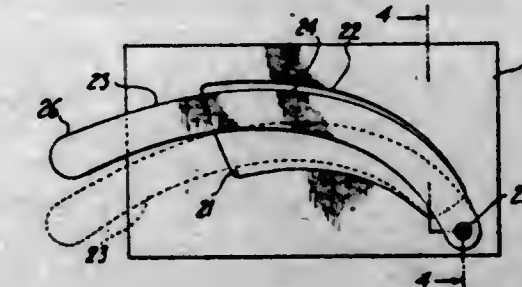
2,435,516

EYEBROW STENCIL

Betty Samson, Hollywood, Calif.

Application December 28, 1945, Serial No. 637,595

3 Claims. (Cl. 132-88.5)



3. An article of the character described comprising a flexible plate having an aperture formed with a curved edge, a substantially flat strip having a curved edge overlying said aperture and mounting means for said strip to regulate the amount of separation of said curved edges to form the outline of an eyebrow, said means including a pivot.

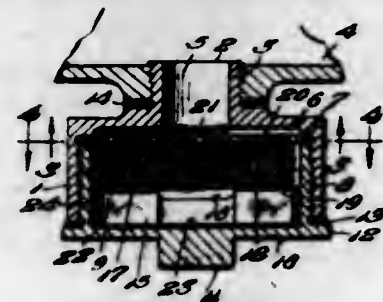
2,435,517

MAGNETIC FILTER PLUG

Harry Seltzer, Brooklyn, N. Y.

Application December 27, 1945, Serial No. 637,334

2 Claims. (Cl. 210-1.5)



1. In association with an automobile crank case having a sump and a screw threaded drain aperture therein, a filter plug comprising, in combination, a vertically disposed, cylindrical housing open at the ends thereof, an externally threaded adapter provided with a central passage at the upper end of said housing, a screw threaded inner wall in said housing, an annular shoulder adjacent the upper end of said inner wall, an externally threaded jacket engaging said inner wall, said adapter being receivable in said drain aperture and the interior of said jacket communicating through said passage with said sump, an integral cap at the lower end of said jacket, an annular shoulder on said cap bearing against the lower end of said housing, a disc-shaped, permanent magnet positioned in said jacket on said cap, said magnet having a diametrically extending depression formed in the upper surface thereof, the remaining elevated portions of said surface defining the poles of said magnet, a circular, wire mesh receptacle resting on said poles, a filling of steel wool in said receptacle, and a circular baffle plate having a plurality of apertures formed therein, said baffle plate being positioned between said annular shoulder of said housing and the upper end of said jacket.

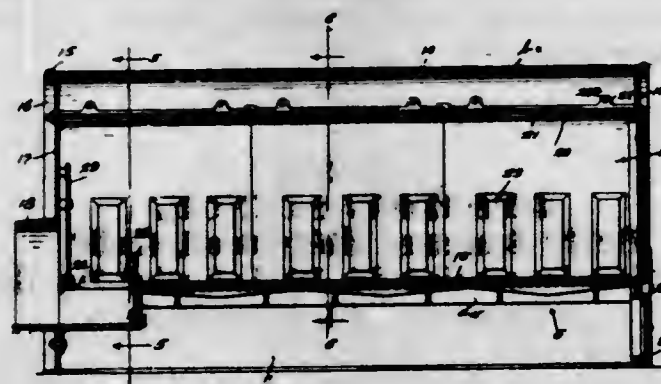
2,435,518

TOBACCO CURING FURNACE

John D. Simpson and Charles M. Ball, Mount Airy, N. C.

Application September 26, 1944, Serial No. 555,845

2 Claims. (Cl. 237-53)



2. Apparatus for applying heat for tobacco curing by both radiation and convection, comprising, a furnace having a rear wall, a combustion chamber, an outlet for combustion products at the rear of said combustion chamber, a detachable, downwardly offset bottom between said combustion chamber and said outlet, means comprising a conduit system connected to said outlet for disseminating heat from said furnace by radiation, and means for disseminating heat from said furnace by convection and including an air jacket surrounding said combustion chamber, means for causing a flow of air through said air jacket, to establish convection currents of heated air, and a baffle means removably carried by said

detachable bottom and disposed between said combustion chamber and said outlet for determining the relative proportion of the heat disseminated by radiation through said conduit system and by convection through said air jacket, said aligned transverse sections being divided and mechanically secured together along a longitudinal vertical plane, and a longitudinally extending tie rod, disposed in the said longitudinal vertical plane for securing the sections in longitudinal, axial alignment, said air jackets comprising a plurality of abutting, transverse sections, aligned axially of said furnace, the abutting ends of said sections constituting telescopic joints.

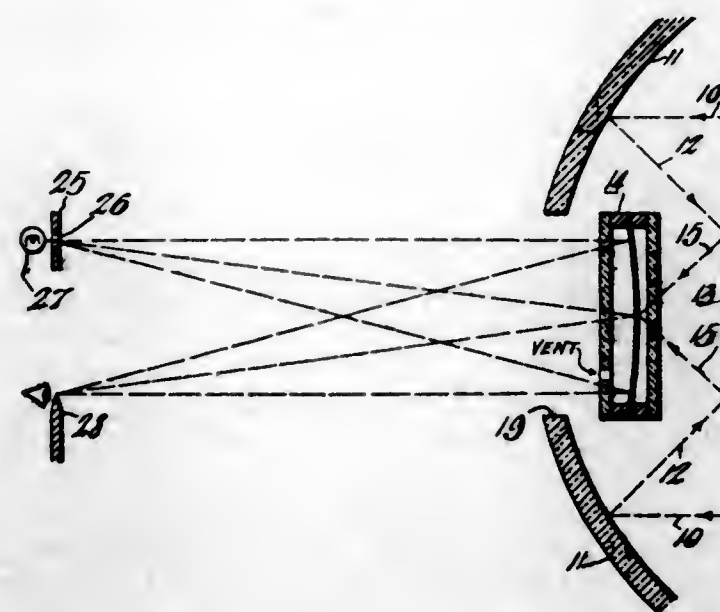
2,435,519

IMAGE-FORMING HEAT DETECTOR

William A. Tolson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 14, 1944, Serial No. 522,345

7 Claims. (Cl. 250-83)



1. In a heat detecting system, the combination of a heat responsive unit comprising a sealed housing, a heat wave receiving window in one side of said housing, a second window formed of light-transmitting material in the opposite side of said housing, a membranous diaphragm mounted between said windows and spaced therefrom to form two chambers, said diaphragm being deformable by heat waves from said receiving window, means creating a differential pressure in said chambers to maintain said diaphragm initially concave towards said second window, a mirror attached to the concave side of said diaphragm and having a matching contour, and an optical system including a source of light for viewing rays of light reflected from said mirror to determine incremental deformations of said diaphragm whereby an approximate image of the source of heat waves is observable.

2,435,520

FLARE

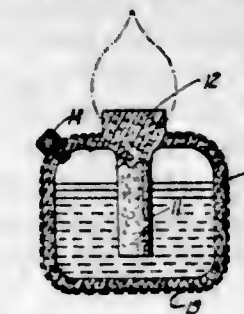
Charles H. Vanderlaan, Larchmont, N. Y., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application April 23, 1946, Serial No. 664,344

3 Claims. (Cl. 67-55)

1. A device of the character described comprising a vessel of porous material, a wick of the same material integral with said vessel and extending outwardly therefrom to present a desired evaporating surface area, said material having a porosity suitable to cause a liquid in said vessel

to be fed to said evaporating area by capillary action, and a liquid-impervious coating covering



the outside surface of said vessel and wick excepting said evaporating area.

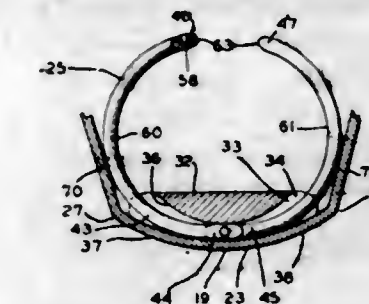
2,435,521

LOOSE-LEAF BOOK CONSTRUCTION

Murray Vernon, New York, N. Y., assignor to S. E. & M. Vernon Inc., New York, N. Y., a corporation of New York

Application February 4, 1944, Serial No. 521,015

2 Claims. (Cl. 123-24)



1. A sheet retaining book for detachably holding perforated sheets, the book comprising a front cover, a rear cover and a saddle, all of fibrous covered material, a member having a rear face shaped to give said saddle the configurations of the back of a bound book, a plurality of sheet holding rings, each ring comprising two portions joined by a hinge, said hinge projecting beyond the sides of said ring, channels in said member, one for each ring, each channel having a top wall of substantially the same configuration as the closed ring, an intersecting channel in said member located substantially in the longitudinal center of said saddle, each ring having the hinge accommodated in said intersecting channel, and fastening means for securing the member to the saddle.

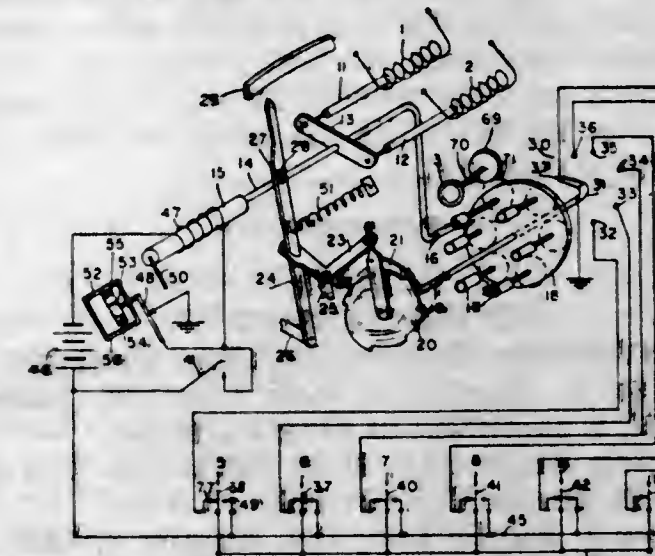
2,435,522

RATCHET DRIVEN TUNING MEANS

Otto E. Wagenknecht, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois

Original application September 27, 1943, Serial No. 503,878. Divided and this application December 29, 1944, Serial No. 570,281

12 Claims. (Cl. 192-142)



11. In an indexible positioning device, a rotatable indexing member, a plurality of stops

carried by said member, an adjustable element biased against one of said stops, a ratchet solenoid for moving said element from said one stop and for rotating said member to move a subsequent stop into position to engage said element, a switch in circuit with said electromagnet for opening the circuit therethrough upon movement of said element away from any one of said stops, and a switching arrangement actuated by rotation of said member in series with said switch to cause said member to stop with a desired one of said stops in engagement with said element.

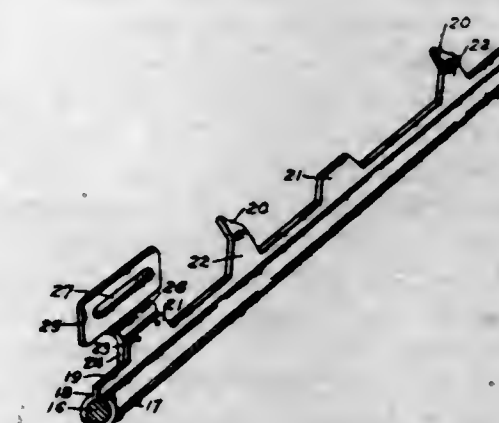
2,435,523

FINISH MATERIAL RETAINER

Maxwell C. Weaver and Ralph W. Hall, Cincinnati, Ohio, assignors to The Randall Company, Cincinnati, Ohio, a corporation of Ohio

Application September 27, 1945, Serial No. 618,823

3 Claims. (Cl. 296-135)



2. A finish material retainer of the class described, comprising a longitudinal strip including a bead, a reinforcing spine within the bead, a fin upstanding upon the bead radially of the spine, coplanar mounting tabs formed integrally with the fin at intervals along the length of the strip, and a series of prongs extending from the fin in a common direction angularly to the plane of the mounting tabs, and attachment plates secured to certain of the mounting tabs in offset relationship thereto, and the offset of the attachment plates relative to the tabs being no greater in extent than the reach of the points of the prongs.

2,435,524

MAKING ACETYLENIC ALCOHOLS AND INTERMEDIATE FORMED THEREIN

Charles Weizmann, London, England, assignor to Polymerisable Products Limited, London, England, a British company

No Drawing. Application March 16, 1945, Serial No. 583,177. In Great Britain April 18, 1941

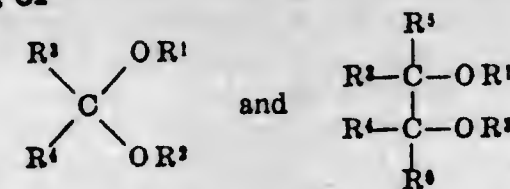
Section 1, Public Law 690, August 8, 1946

Patent expires April 18, 1961

19 Claims. (Cl. 260-638)

1. In the process for the preparation of secondary and tertiary ethynyl carbinols by the interaction of an acetylenic hydrocarbon with a member of the class consisting of aldehydes and ketones, the improvement which comprises carrying out the reaction at a temperature not substantially above 0° C., in the presence of a suspension of a fluent reaction vehicle comprising a finely divided alkali metal hydroxide with a substantially larger amount of a water insoluble organic liquid containing in its molecular structure, two ether-forming oxygen atoms and hav-

ing a structural formula selected from the group consisting of



in which R^1 and R^2 are alkyl groups and R^3 , R^4 , R^5 and R^6 are members of the group consisting of hydrogen atoms and alkyl groups, and which organic liquid has a boiling point substantially above 100°C ., the said water insoluble liquid being present as a vehicle in which the potassium compound is suspended.

2,435,525

ELECTRODEPOSITION OF SILVER FROM A HIGH SILVER CYANIDE CONTENT BATH

Joseph S. Williams, New Augusta, and Walter R. Binal, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application May 5, 1942, Serial No. 441,866

9 Claims. (Cl. 204-46)

3. The method of making smooth and bright deposits of silver of substantial thickness which comprises electrodepositing the silver from a plating bath containing 90 to 115 grams per liter of silver cyanide, free potassium cyanide of 20% to 150% of the amount of silver cyanide in the bath, potassium carbonate in amounts from a trace to 80 grams per liter, and potassium hydroxide sufficient to bring the pH between 12.6 and 13.4 using a current density of at least 30 amperes per square foot of the surface area to be plated and maintaining the plating bath at a temperature between 105° and 130°F .

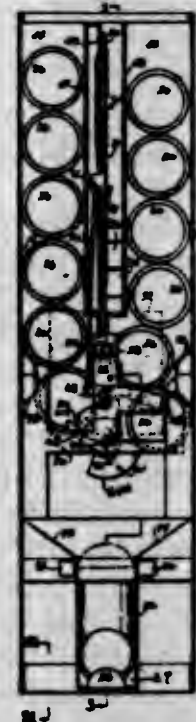
2,435,526

MULTIPLE COMPARTMENT VENDING MACHINE

William D. Young and William Andrew Harris, Greenville, S. C., assignors, by direct and mesne assignments, of twenty per cent to William D. Young, twenty per cent to Dorothy R. Young, twenty per cent to Betty Jane Young, twenty per cent to Jean Ann Young, and twenty per cent to Nancy Lou Young, all of Greenville, S. C.

Application August 14, 1944, Serial No. 549,432

5 Claims. (Cl. 312-48)



3. In a vending machine, a pair of side by side compartments for holding a plurality of articles

to be vended, said machine having a delivery opening, oscillatable means having upper and lower radially projecting supports for supporting the articles against downward movement in the compartments, the lower supports having a greater radius than the upper supports, said oscillatable means being swingable by the weight of the articles resting on the lower supports, releasable locking means for preventing movement of the oscillatable means under the weight of the article supported by the lower supports, means for moving the locking means to allow the lower supports to move from beneath one column of articles and to a position beneath the other column of articles and to position the upper support beneath the column from whence an article has been released to thus allow the lowermost article in the first column to pass through the delivery opening.

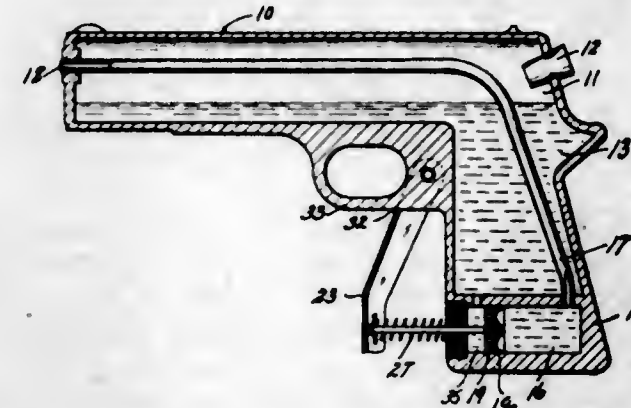
2,435,527

PACKING ASSEMBLY FOR WATER PISTOLS

John William Arpin, Verona, N. J.

Application September 11, 1947, Serial No. 773,449

8 Claims. (Cl. 222-79)



1. A water ejecting toy pistol comprising a body having a water chamber formed therein, a cylinder for enclosing charges from said water chamber, a manually operated piston including a piston rod for applying pressure to a charge in said cylinder, means to direct the ejection of said charge from the body of the pistol, said body being formed with an opening communicating with said cylinder, a packing mounted on said piston rod and disposed within said opening so as to act against the inner walls thereof, a spring having one end thereof bearing against said packing, and an external trigger effectively connected to the other end of said spring and to said piston rod so as to maintain said spring in a constant state of compression and so as to further compress said spring when the trigger is inwardly moved to operate said piston and eject said water charge, said packing including a planar washer which is radially deformable under the action of said spring whereby said compression of said spring by the inward movement of said trigger produces a radial spread of said washer so as to more effectively seal said washer against the inner walls of said opening and against the piston rod.

2,435,528

COMPRESSOR

Benjamin William Barlow, London, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain

Application August 16, 1946, Serial No. 690,935

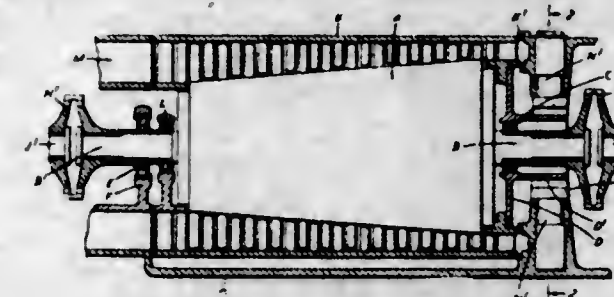
In Great Britain July 18, 1945

Section 1, Public Law 690, August 8, 1946

3 Claims. (Cl. 230-122)

1. An axial flow compressor comprising in combination a part on which the compressor is

mounted, a rotor, a casing enclosing the rotor, a bearing at the first end of the casing in which is carried one end of the shaft of the rotor, a support for the said first end of the casing between it and the said part on which the compressor is mounted, such support permitting the casing to float without rotation with respect to



the said part on which the compressor is mounted, a bearing at the second end of the casing and by which it is carried on the second and adjacent end of the shaft of the rotor, and a bearing in which the second end of the shaft of the rotor is carried by the said part on which the compressor is mounted.

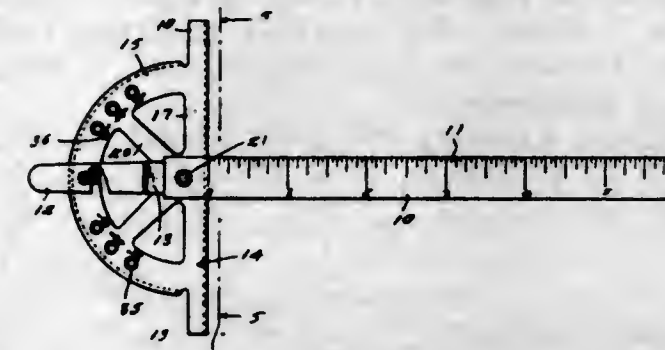
2,435,529

ADJUSTABLE T-SQUARE HEAD

Jacob Brockley, near Newport News, Va.

Application May 3, 1945, Serial No. 591,713

2 Claims. (Cl. 33-99)



1. In combination a rigid elongated T-square stem, formed with a flexible terminal, a sector-shaped head, a centering pin passing through the rigid end of said stem in back of said flexible terminal and composed of a conical head countersunk into the stem, a spacer collar of larger diameter than the conical head abutting the under side of said stem, a tapered rib formed in extension of said collar, and a main shank on said pin engaging through said head, a bushing extending through the base of said sector-shaped head and having a flange overlying the top of the latter which is provided with a conical seat receiving the tapered rib for lateral as well as downward tilting of the sector-shaped head upon the tapered rib, means carried by said shank of said centering pin resiliently engaging the under side of the sector-shaped head to oppose downward tilting thereof, and means interposed between sector-shaped head and the flexible terminal of said stem for latching the sector-shaped head in adjusted position with relation to said stem.

2,435,530

CONTROL FOR ELECTRIC OVENS

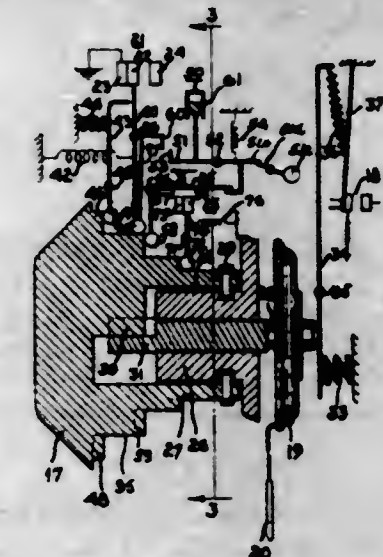
Robert E. Candor, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application September 21, 1940, Serial No. 357,786

4 Claims. (Cl. 219-20)

1. An electric oven including an electric heating means for heating the oven, an adjustable thermostatic switch means for controlling the connection of the heating means to a power source to regulate the temperatures of said oven,

connecting means for connecting said heating means selectively into a baking circuit arrangement and into a preheat circuit arrangement, an adjustable clock mechanism for controlling according to definite periods of time the operation of the connecting means in changing from the preheat circuit arrangement to the baking circuit arrangement, manipulating means pro-



vided with means for setting said connecting means in the preheat circuit arrangement and with means for adjusting said thermostatic switch means to operate at various temperature settings, and operating means between the switch adjusting means and said clock mechanism for adjusting said clock mechanism in direct accordance with the adjustment of said thermostatic switch means.

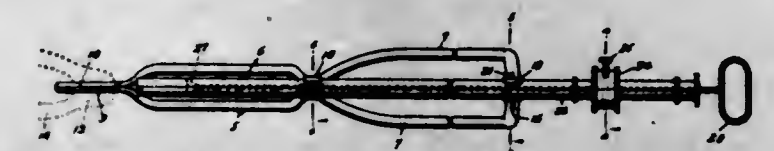
2,435,531

COMBINATION UTERINE DILATOR AND GAUZE PACKER

Asa B. Carmichael, Sr., Tujunga, Calif.

Application October 8, 1945, Serial No. 621,129

1 Claim. (Cl. 128-345)



A uterus dilator including a pair of handles having front end jaws adapted for insertion in the neck of the uterus, said handles being pivoted together for squeezing toward each other into different positions to variably open said jaws for dilating said neck, rear end lateral extensions on said handles in overlapping relation and provided with interlocking devices for selectively locking said handles in different positions, and a pair of front and rear resilient clips on said pivot and one of said extensions adapted to receive a gauze packer for insertion in said neck with said jaws.

2,435,532

BAG FEEDING APPARATUS

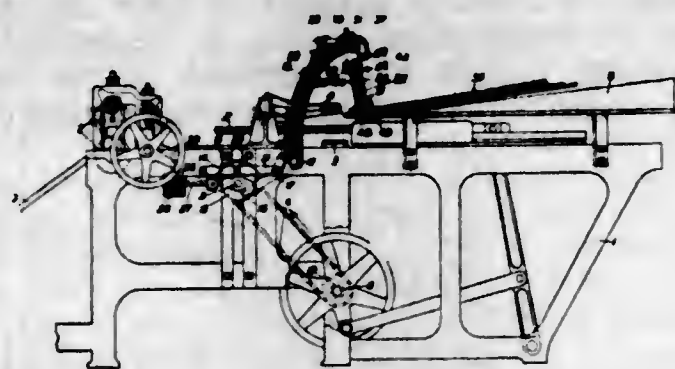
Robert P. Eagles, Richmond, Va., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia

Application November 4, 1946, Serial No. 707,591

8 Claims. (Cl. 223-39)

1. Apparatus for picking up and transporting a single layer of fabric from the top of a pile of layers of fabric comprising an upwardly extending arm pivoted at a point remote from its upper end, a downwardly extending arm the upper end of which is pivotally supported adjacent the upper end of the first named arm, a pick up head

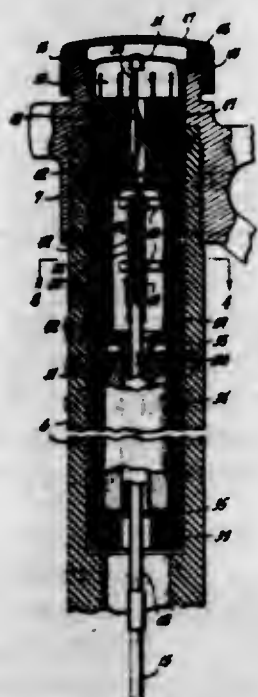
at the lower end of said second named arm, means for periodically swinging said first named arm about its pivot point to move the upper end thereof back and forth through an arc, means



for periodically swinging said second named arm back and forth about its pivot point and means for periodically operating said pick up head to pick up and release a layer of fabric.

2,435,533

HIGH-VOLTAGE CIRCUIT INTERRUPTER
Ralph H. Earle, Wauwatosa, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application March 6, 1944, Serial No. 525,159
14 Claims. (Cl. 200-120)



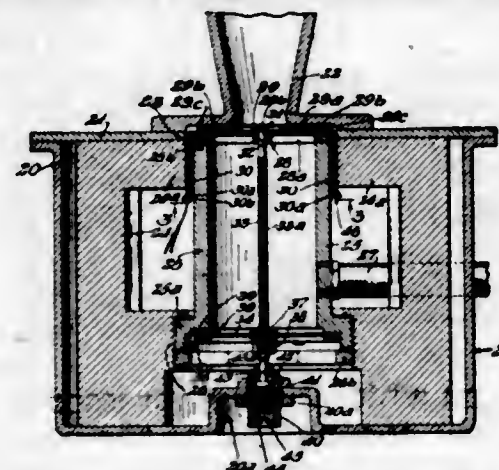
1. A circuit interrupter comprising a body portion provided with an arc channel, means adapted to interrupt a circuit under overload and form a main arc in said arc channel, gas liberating means adapted to liberate gas when acted upon by an arc, means for forming an auxiliary arc in proximity to said gas liberating means, said gas liberating means being normally out of contact with the means for forming an auxiliary arc, and an expellable apertured plug through which said main arc is formed and through which the liberated gas passes to extinguish said main arc, said plug being normally positioned in said arc channel, said plug remaining in place in said arc channel for moderate overloads to provide a restricted passage and being expelled on heavy overloads to provide a larger passage.

2,435,534

ELECTROPNEUMATIC SOUND REPRODUCER
William C. Eaves, Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., New York, N. Y., a corporation of Delaware
Application July 25, 1942, Serial No. 452,269
9 Claims. (Cl. 179-108)

3. In a sound head wherein a stream of fluid is modulated to generate sound waves, means comprising a passage for said stream, grid valve

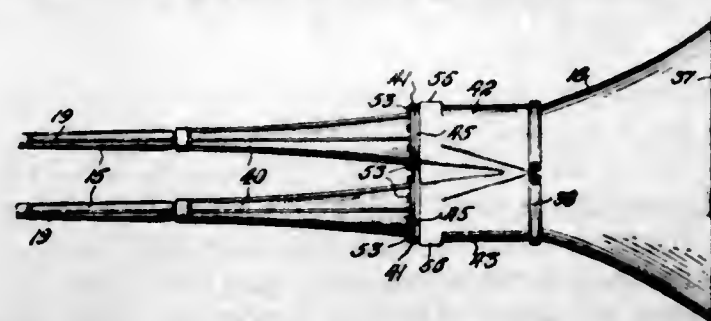
means interposed in the path of said stream at the discharge end of said passage, said valve means comprising a cup-shaped movable member carrying a disc-like grid, means for mounting said movable valve member for pivotal movement about the axis of said grid, said mounting means



comprising a torsion ribbon, means for connecting one end of said ribbon to said grid and adjustable means for rigidly securing the other end of said ribbon against movement, and electromagnetic means directly associated with said movable valve member for actuating the latter to modulate the fluid stream.

2,435,535

SOUND PROJECTING APPARATUS
William C. Eaves, Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., Dover, Del., a corporation of Delaware
Application January 10, 1944, Serial No. 517,628
4 Claims. (Cl. 181-27)



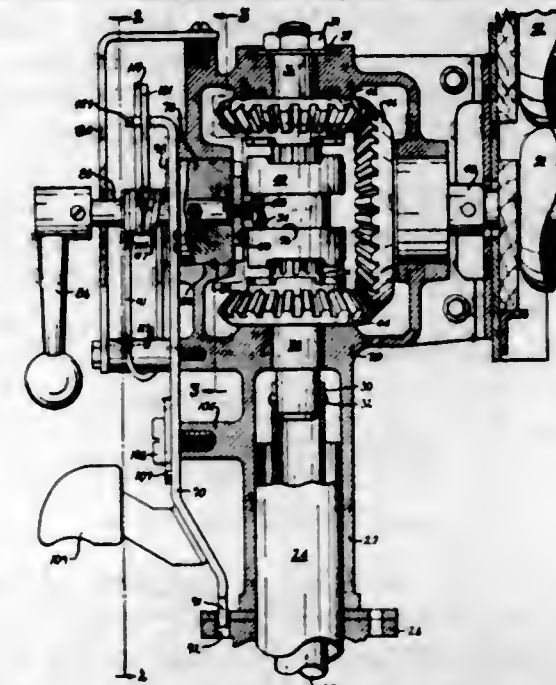
1. An acoustic device comprising a body having therein a plurality of relatively spaced, exponentially curved passages extending longitudinally thereof, said passages each having a circular inlet, a circular chamber in said body and common to all said passages, said passages opening into said chamber and having outlets disposed in a single plane and of a formation whereby exponential curvature in the body at said outlets is the exact exponential continuation of the exponential curvatures of said passage combined, and the combined cross-sectional area of said outlets is equal to the cross-sectional area of said chamber, and a plurality of elongated sections disposed in spaced parallel relation and secured to said body, said sections each having therein a passage curving exponentially from the inlet to the outlet thereof and registering with the inlets of the passages in said body, the inlets of all said sections being arranged in a single plane.

2,435,536
WRINGER

Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 11, 1943, Serial No. 509,828
8 Claims. (Cl. 68-255)

1. A wringer comprising a wringer head and framework, rolls mounted in the framework, a

substantially vertical drive shaft, a drive mechanism located in the wringer head operably connecting said drive shaft and one of the rolls, a control means protruding from the wringer head and provided with an operating handle for moving said drive mechanism into operative and inoperative positions, a bearing support having a vertical axis for supporting said wringer head, and a single lever having at its intermediate portion a pivotal connection with said wringer head and at its lower end a pivotal connection with said bearing support, said single lever also having at its upper end means acting directly upon the control means for operating the control means so as to move the drive mechanism from operative to inoperative position upon predetermined movement of the wringer head, framework and lever.



7. In combination, a clutch mechanism including a rotatable shaft provided with a slidable clutch collar, a control shaft means having its axis transverse to the axis of said rotatable shaft, a lever having its pivot at one side of the control shaft, said lever being provided with a means for moving and controlling the location of said clutch collar, said control shaft means having an eccentrically located connection with said lever remote from its pivot, and a resilient latching means including a first cooperating portion provided upon said lever beyond said connection and a second cooperating portion cooperating with the first portion to resiliently hold the lever and the clutch collar in a predetermined position.

2,435,537

POLYVINYLIDENE FLUORIDE AND PROCESS FOR OBTAINING THE SAME
Thomas A. Ford, Wilmington, Del., and William Edward Hanford, Easton, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 20, 1944, Serial No. 531,986
6 Claims. (Cl. 260-92.5)

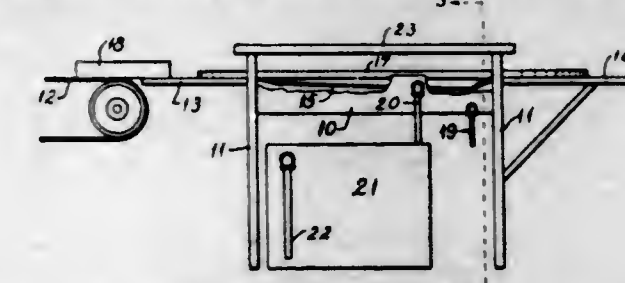
1. A process for obtaining orientable polyvinylidene fluoride which comprises heating vinylidene fluoride at a temperature of from 20° C. to 250° C. under a pressure above 300 atmospheres in the presence of a peroxy compound as a polymerization catalyst.

2,435,538

DEFROSTING TUNNEL
Walter L. Gibboney, Denver, Colo.
Application September 8, 1944, Serial No. 553,207
4 Claims. (Cl. 134-125)

1. Apparatus of the character described comprising, an open-top tank, means for circulating

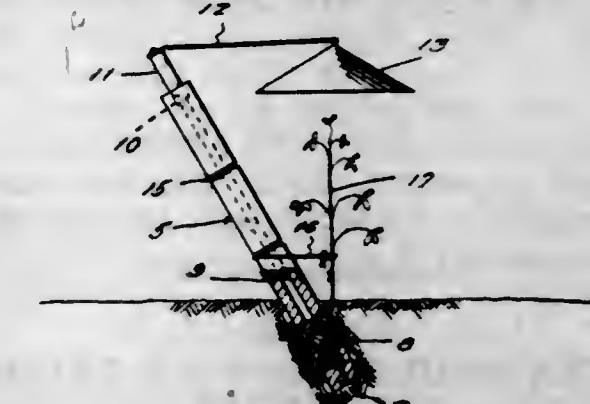
heated water through and at constant level within said tank, shelves extending outwardly from the opposite ends and above the water level of said tank to slidably receive and support charged molds, a slide-track merging at its ends with and oppositely inclined downwardly from said shelves to traverse said tank in submerged relation of its intermediate portion beneath the tank water level, guide bars fixed in diverging



relation of their corresponding ends to upper surfaces of said shelves to connect between the latter in bridging relation with said tank and in aligned registration above the slide-track side margins, a cover removably and replaceably supported in suitably-spaced relation above said tank, and a drip baffle carried by said cover in registration of its drip margins with tank areas laterally exterior to the passage defined by said guide bars.

2,435,539

GARDEN STAKE WITH CHAMBER FOR PLANT GROWTH
William L. Gould, Albany, N. Y.
Application December 30, 1943, Serial No. 516,234
3 Claims. (Cl. 47-34)



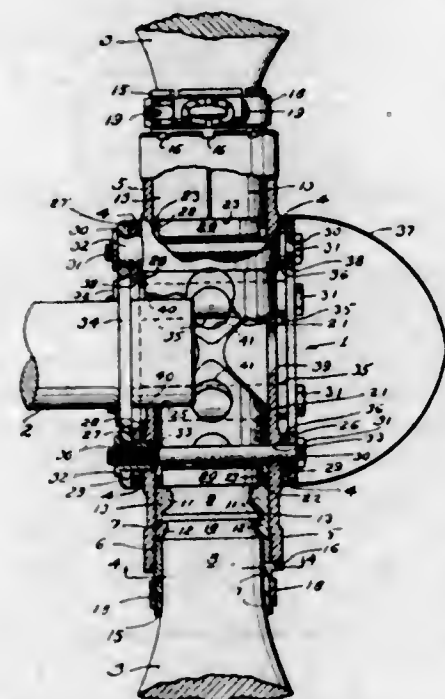
1. A seed germinating device comprising an elongated stake having a pointed lower end and adapted to be driven into the ground at an inclination, said stake being formed with a relatively large chamber within the lower end portion thereof for reception of soil and seed, said chamber being of sufficient size to accommodate the roots of the seed when sprouted and sufficient soil to cover the seed, a side wall of the chamber being provided with a relatively large transverse opening which communicates with the upper portion of the chamber at one side of and above the bottom of the latter, said opening being of sufficient size to permit the seed to sprout upwardly through the same when the stake is driven into the ground at such inclination, the portion of the stake above said opening being formed with a circumferential groove for retaining reception of a cord adapted to be tied to the plant growing from the chamber so as to support said plant.

2,435,540

ADJUSTABLE PITCH PROPELLER
Gordon W. Hardy, Euclid, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 15, 1945, Serial No. 628,772
13 Claims. (Cl. 170-162)

1. A propeller hub comprising a tubular connector having its ends open and adapted to re-

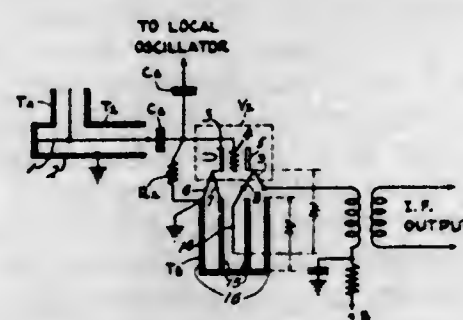
ceive axially, and to accommodate slidably endwise of the connector, shanks of propeller blades, a tubular spacer within and coaxial with the connector and slidable endwise thereof to different adjusted positions, said spacer having seating areas facing toward the ends of the connector and adapted for seating engagement, when the shanks are received in the connector with com-



plementary seating areas of the shanks, means on the connector adapted for connection to complementary means of the blade shanks for connecting the blade shanks in adjusted positions axially of the connector while the seating areas of the shanks and spacer are in seating relation to each other, and means for connecting the connector to a propeller shaft with the connector axis intersecting the shaft axis at a right angle.

2,435,541 ULTRA HIGH FREQUENCY TRIODE CONVERTER

Edward W. Herold, Kingston, and Dwight O. North, Cranbury, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application January 26, 1944, Serial No. 519,730
15 Claims. (Cl. 250-20)



1. An ultra-high frequency converter system utilizing a tube having a control grid, a cathode and an anode, and in which two leads are provided each for the cathode and anode, characterized in that between one of the anode leads and one of the cathode leads there is connected a series-tuned, low-impedance path for signal frequencies, and further characterized in that the cathode is effectively connected to ground through the other cathode lead and the anode is connected to output circuit through the other anode lead.

2,435,542 WAX ACIDS SEPARATION PROCESS

Frederick G. Hess, Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application May 17, 1946, Serial No. 670,540
19 Claims. (Cl. 260-452)

1. The process of refining wax acids which comprises the step of treating a naphtha solution of oxidation products of waxy material with zinc chloride to precipitate naphtha soluble hydroxy acids therefrom.

2,435,543 TEXTILE FABRIC

Arthur Johnson, Headingley, Leeds, and John Bamber Speakman, Far Headingley, Leeds, England, assignors to Alginat Industries Limited, Maidenhead, Berkshire, England, a British company
Original application July 7, 1942, Serial No. 450,012. Divided and this application January 8, 1945, Serial No. 571,758. In Great Britain April 11, 1941
7 Claims. (Cl. 28-76)



1. A process of making a fabric, which comprises producing composite yarn consisting of alkali-insoluble yarn curled into loops, a plurality of calcium alginate threads twisted together and binding the loops of alkali-insoluble yarn in place between the twists of calcium alginate threads, the calcium alginate threads being taut while the alkali-insoluble yarn is loose, the alkali-insoluble yarn being incapable by itself of withstanding the strains imposed in weaving, employing said composite yarn in weaving a fabric and during the weaving causing the calcium alginate threads to bear the whole of the weaving strains of the composite yarn, and thereafter dissolving the calcium alginate threads out of the fabric by washing the fabric in an alkaline bath so as to set the alkali-insoluble yarn free.

2,435,544 METHOD OF NITRATING ORGANIC COMPOUNDS

Vaman R. Kokatnur, New York, N. Y., assignor to Autoxygen, Inc., New York, N. Y., a corporation of New York
No Drawing. Original application December 5, 1940, Serial No. 368,614. Divided and this application April 16, 1947, Serial No. 741,935
8 Claims. (Cl. 260-645)

2. The process of nitrating an organic nitratable compound which consists in the steps of mixing said nitratable compound with a nitrating agent consisting of nitric acid and an organic diluent substantially inert to the reacting materials and the reaction product, said diluent being substantially water immiscible and capable of forming an azeotrope with water, the amount of said diluent being substantially sufficient to remove any water present in the mixture and also any water evolved by the reaction, said azeotrope being vaporizable at the temperature and pressure conditions of the nitrating reaction, and heating the mixture to vaporize the azeotrope formed at approximately the temperature of the reaction.

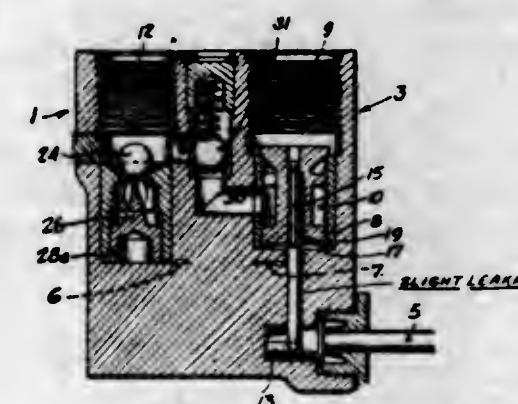
2,435,545 PROCESS FOR THE PRODUCTION OF MERCAPTANS

Joseph P. Lyon, Jr., Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application September 28, 1944, Serial No. 556,283
7 Claims. (Cl. 260-609)

1. The process for the production of mercaptans in the presence of a silica gel catalyst which is promoted with minor proportions of at least one oxide of a metal belonging to one of the groups IIIB and IVA of the periodic system operated in such a manner as to increase the selectivity of the catalyst, which comprises passing a mixture of olefin hydrocarbons and hydrogen sulfide over said catalyst under mercaptan-forming reaction conditions, maintaining substantially constant conditions of pressure, flow rate and concentration of reactants, gradually increasing the temperature of reaction throughout the reaction period to maintain a constant mercaptan-sulfur content in the effluent from the reaction thereby obtaining optimum selectivity of said catalyst toward the formation of mercaptans corresponding to the olefins charged and to the substantial exclusion of formation of lower-boiling mercaptans, withdrawing an effluent and separating mercaptans therefrom.

2,435,546 SERVO SELECTOR VALVE

Jean Mercier, New York, N. Y.
Application August 18, 1943, Serial No. 499,073
1 Claim. (Cl. 137-144)

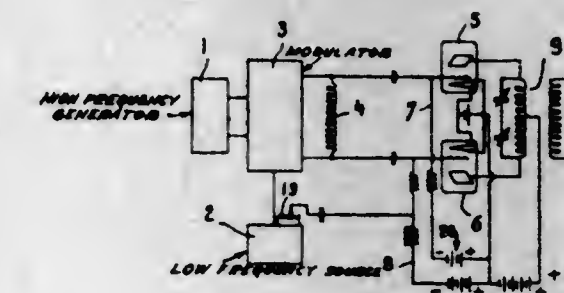


A four-way hydraulic valve having two inlet ports, two system ports and an outlet port, a pair of primary valves each for connecting one of the inlet ports to one of the system ports, a pair of secondary valves each for connecting one of the system ports to the outlet port, each of said primary valves being biased to closed position by fluid pressure in the inlet port and having fluid pressure responsive means for balancing said inlet pressure, a pilot valve associated with each of the primary valves to admit pressure fluid from the inlet port to the fluid pressure responsive means and to slowly exhaust said fluid to said outlet port, means to selectively operate said pilot valves, means to utilize the balancing pressure from a pilot valve to open a secondary valve, and means to actuate the primary valve associated with the operated pilot valve to admit pressure fluid to one of the system ports while fluid is being exhausted from the other system port through the secondary valve opened by the pressure fluid from the said operated pilot valve.

607 O. G.-11

2,435,547 MODULATING AND AMPLIFYING SYSTEM

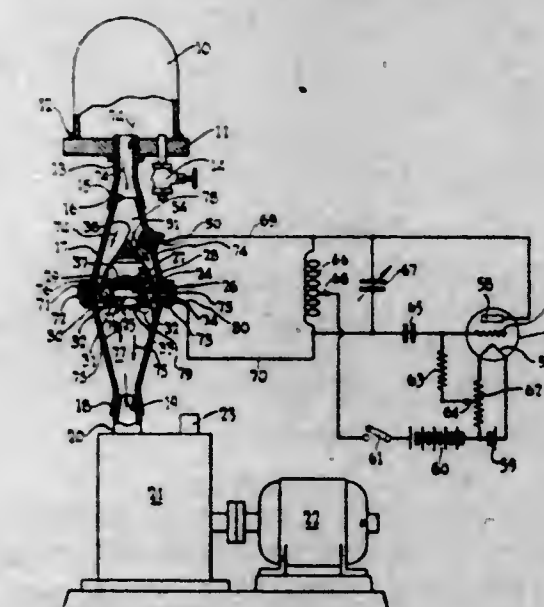
Mario Nikk, Puteaux, France
Application April 24, 1939, Serial No. 269,738
In France April 30, 1938
Section 3, Public Law 690, August 8, 1946
Patent expires April 30, 1958
2 Claims. (Cl. 179-171.5)



1. Apparatus for modulating a high frequency carrier oscillation and for amplifying the modulated high frequency carrier oscillation comprising, a high frequency carrier source, a modulation voltage source, two thermionic tubes, means for applying the carrier frequency and the modulating voltage to said tubes, means for biasing one of said tubes for operation only at oscillation amplitudes not exceeding the unmodulated carrier level, means for biasing the other of said tubes for operation only at oscillation amplitudes exceeding the unmodulated carrier level, and means for applying an auxiliary variable biasing voltage to the second tube for varying the operating point thereof whereby the response characteristic of the two tubes are rendered coextensive.

2,435,548 HIGH VACUUM PUMP

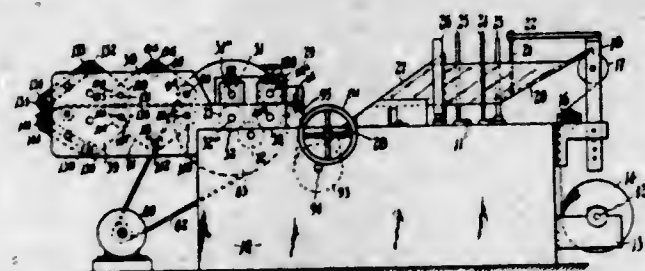
Adolph H. Rosenthal, New York, N. Y., assignor to Scophony Corporation of America, New York, N. Y., a corporation of Delaware
Application November 5, 1943, Serial No. 509,144
14 Claims. (Cl. 230-1)



1. In a method of rarefying gas in a first confined space communicating with a second confined space, the steps of producing and maintaining in the gas in said second space a moderately reduced pressure, producing energy vibrations at supersonic high frequency, and applying the vibrational energy in a mean direction away from said first space to gas molecules in said second space to impart to said gas molecules velocity components in said direction away from said first space and cause diffusion of gas molecules from said first into said second space resulting in rarefaction of the gas in said first space.

prises folding the strip longitudinally, advancing the folded strip from the folding step to a sealing and cutting operation at a speed faster than the speed of the sealing and cutting operation, transversely heat sealing the strip to divide it into bag sections and simultaneously partially separating the bag sections in the cutting operation, advancing the partially separated bag sections at a speed not greater than that at which the strip is advanced to the sealing and cutting operation, separating the leading bag section from the strip of bag sections by engaging it and advancing it at a faster rate than that at which the strip is advanced to the sealing and cutting operation, and holding the next following bag section during the interval the leading bag section is being separated from the strip.

2. A machine for making bags from a strip of heat sealable material which comprises, in combination, a former for folding the strip lon-



gitudinally, feed rolls for advancing the material through the machine, combined rotary sealing and cutting means transversely disposed in relation to the movement of the folded strip for transversely heat sealing and partially cutting the strip at predetermined intervals to form bag sections partially attached to the strip, means for advancing the strip of partially severed bag sections from the sealing and cutting means at a speed not greater than that at which the strip is advanced to the sealing and cutting means, and separating means rotatable at a faster speed than said sealing and cutting roll for engaging the leading, partially severed bag section and for advancing it at a faster rate than the rate at which the strip is advanced through the rotary sealing and cutting means, and means for holding the next following bag section during the interval the leading bag section is engaged by said separating means.

2,435,561 BINDER RINGS AND METHOD OF MAKING SAME

Isidore Spinner, Chicago, Ill., assignor to Plastic Binding Corporation, Chicago, Ill., a corporation of Delaware
Application December 16, 1942, Serial No. 469,255
8 Claims. (Cl. 18-48)



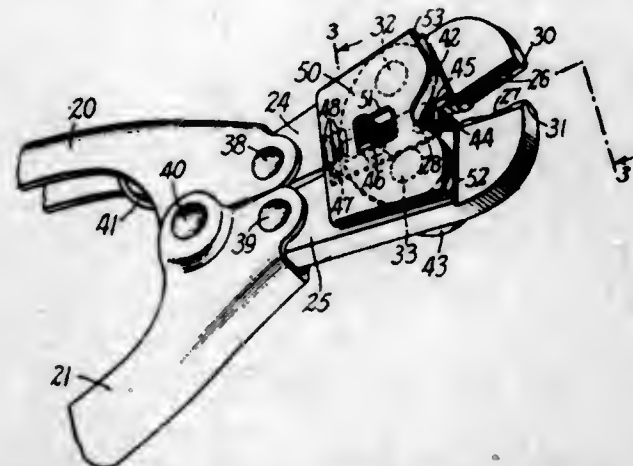
3. A plurality of side by side joined separable binder rings each adapted to be opened to be inserted through an article to be held thereby, said joined rings comprising a continuous sheet curled into tubular form with the edges of the sheet overlapping, the extent of overlap being less than 360°, the sheet being of resilient mate-

rial and held in tubular shape by its own resiliency, the overlapped portions being physically separable to open the tube and the material being sufficiently resilient so that upon release of the opened overlapped portions of the tube those portions spring back under their own resiliency to complete the tube, the tube being weakened along a plurality of uniformly spaced parallel lines of cleavage each of which extends through substantially the entire thickness of the material and around substantially the entire periphery of the tube, and in a plane substantially at right angles to the longitudinal axis of the tube to facilitate separating the tube into a plurality of binder rings, the opposite edges of the sheet between which the adjacent lines of cleavage extend being curved and merging with the lines of cleavage along smooth curves.

7. The method of forming a plurality of plastic resilient binder rings which comprises providing a continuous plastic sheet slit along a plurality of parallel lines transversely of the sheet to form a plurality of strips almost but not completely severed from one another and almost in contact with one another along their entire longitudinal edges, heating said sheet, preparatory to curling of the same, to a temperature sufficiently high to impart a permanent set to the subsequently curled sheet upon cooling of the same, curling the sheet into tubular form about a longitudinal axis at right angles to said parallel lines of cut, and then permitting the curled sheet to cool to form the strips into rings almost but not completely severed from one another.

2,435,562 FERRULE CRIMPING TOOL

Robert C. Swengel, Goldsboro, Pa., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa., a corporation of New Jersey
Application October 5, 1944, Serial No. 557,271
2 Claims. (Cl. 81-15)

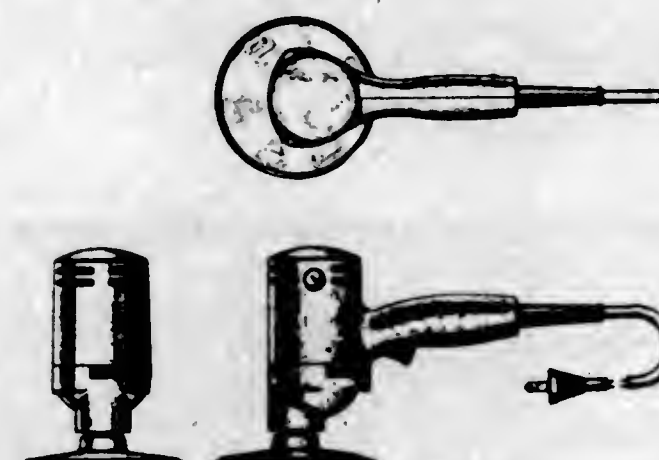


1. In a tool of the class described, the combination with pivoted die-carrying jaws having suitable operating handles connected thereto of a slide mounted for movement along a line within the angle determined by opposed faces of said jaws; said slide including a stop portion extending between said jaws and upon which the jaws may be closed to limit the extent of their approach toward one another, said jaws being pivoted respectively at spaced pivots on a relatively stationary member, said stationary member being provided with resilient means holding said slide against relative movement with respect thereto, and said resilient means and said slide including cooperating detents for holding said slide and stop portion in an adjusted position.

DESIGNS

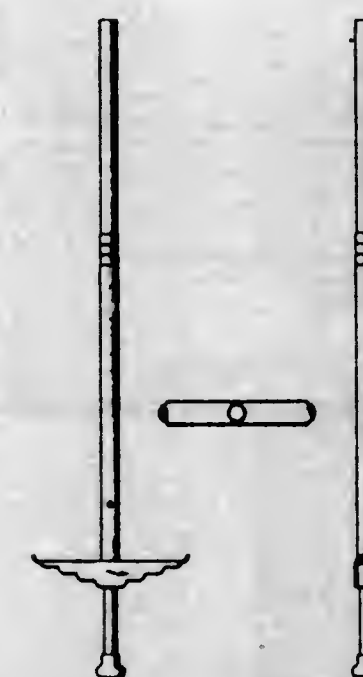
FEBRUARY 8, 1948

148,514
DESIGN FOR A ROTARY DISC SURFACE FINISHING MACHINE
Kenneth C. Atkin, Muskegon, Mich., assignor to Clarke Sanding Machine Company, Muskegon, Mich., a corporation of Michigan
Application July 24, 1946, Serial No. 131,880
Term of patent 14 years
(Cl. D9-2)



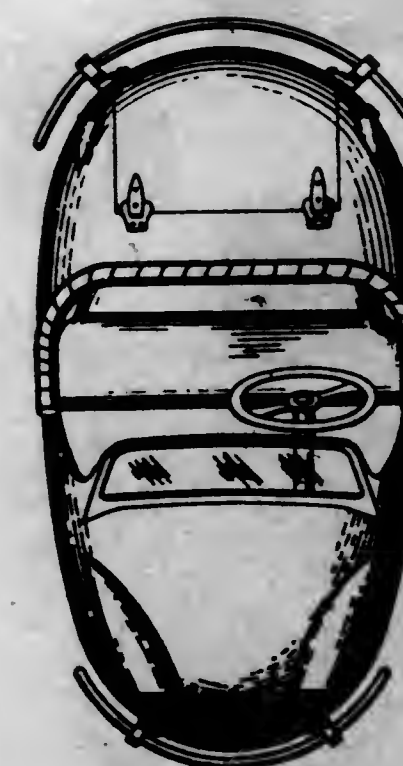
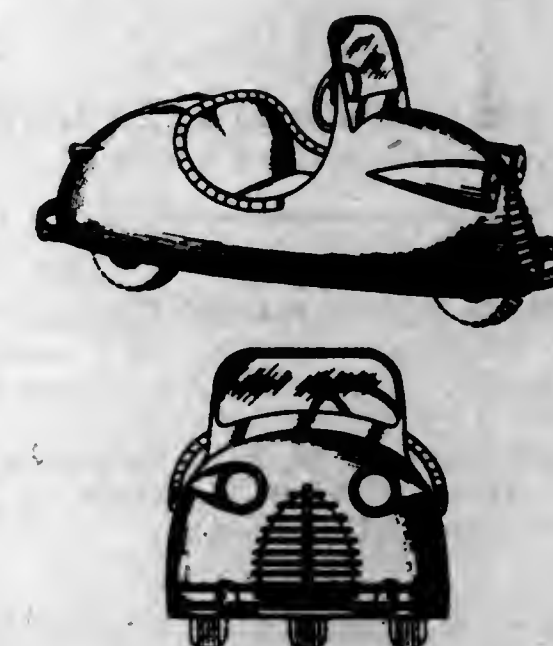
The ornamental design for a rotary disc surface finishing machine, substantially as shown.

148,515
DESIGN FOR A JUMPING STICK
Arthur E. Bausenbach, Buffalo, N. Y.
Application October 25, 1946, Serial No. 134,218
Term of patent 3½ years
(Cl. D34-5)



The ornamental design for a jumping stick, substantially as shown.

148,516
DESIGN FOR AN AUTOMOBILE
Frank Brogan, Cincinnati, Ohio
Application April 3, 1946, Serial No. 128,208
Term of patent 14 years
(Cl. D14-3)



The ornamental design for an automobile, as shown and described.

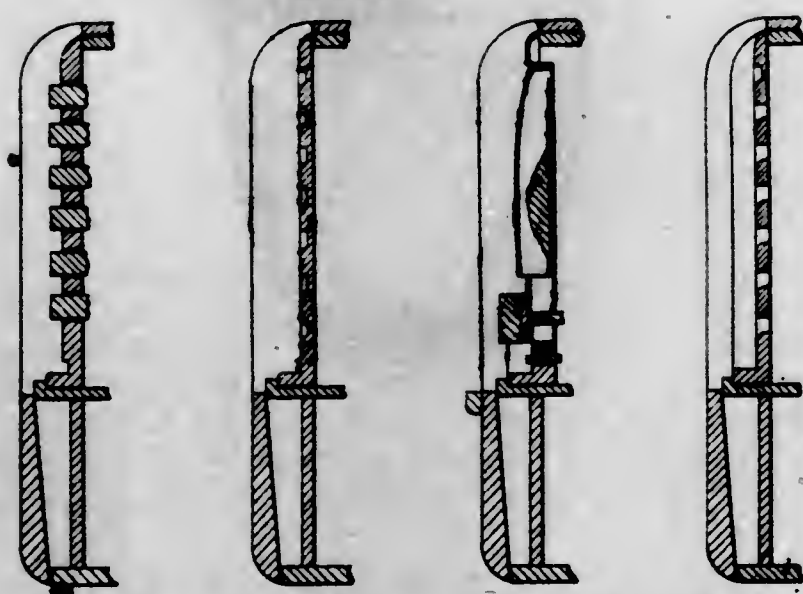
148,517
DESIGN FOR A BIRD FIGURE OR SIMILAR ARTICLE

Charles Brooks, Glendale, Calif.
Application June 6, 1947, Serial No. 139,495
Term of patent 7 years
(Cl. D29—23)



The ornamental design for a bird figure or similar article, substantially as shown.

148,518
DESIGN FOR A RADIO CABINET
Robert D. Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application September 21, 1946, Serial No. 133,491
Term of patent 3½ years
(Cl. D56—4)



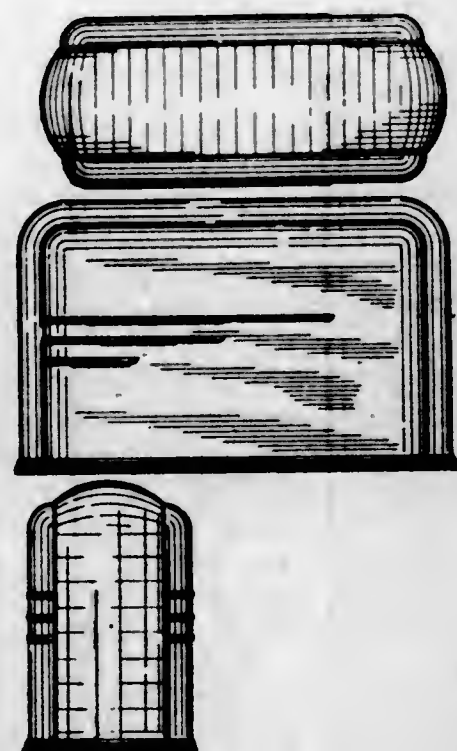
The ornamental design for a radio cabinet, as shown and described.

148,519
DESIGN FOR AN ATHLETIC SHOE OR THE LIKE
Michele Campagna, Bristol, R. I., assignor to Bristol Manufacturing Corporation, Bristol, R. I., a corporation of Rhode Island
Application January 11, 1947, Serial No. 136,087
Term of patent 14 years
(Cl. D7—7)



The ornamental design for an athletic shoe or the like, substantially as shown and described.

148,520
DESIGN FOR A HOUSING FOR AIR CONDITIONING APPARATUS OR THE LIKE
George Irving Carter, Longmeadow, Mass., assignor to Harvey-Whipple, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application July 17, 1946, Serial No. 131,661
Term of patent 14 years
(Cl. D62—4)



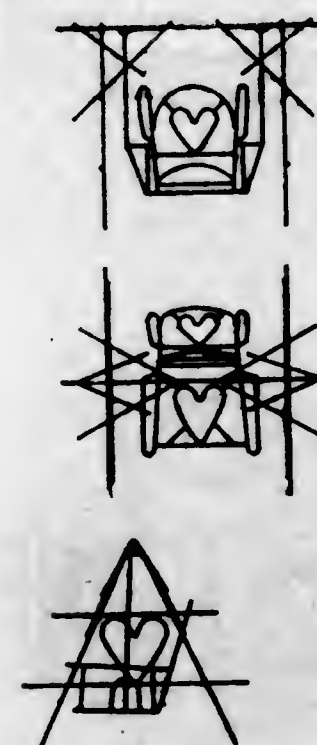
The ornamental design for a housing for air conditioning apparatus or the like, as shown.

148,521
DESIGN FOR A SCATTER RUG OR SIMILAR ARTICLE OF MANUFACTURE
Albert D. Clist, Purdy, N. Y.
Application November 21, 1946, Serial No. 134,971
Term of patent 7 years
(Cl. D92—21)



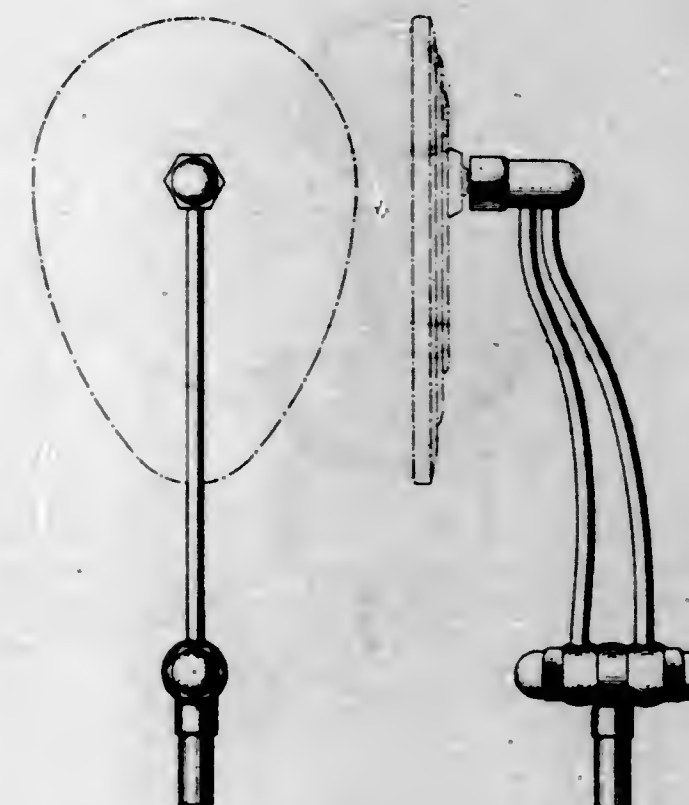
The ornamental design for a scatter rug or similar article of manufacture, as shown.

148,522
DESIGN FOR A DOLL SWING
Clyde R. Conger, San Francisco, Calif.
Application August 19, 1946, Serial No. 132,643
Term of patent 7 years
(Cl. D34—15)



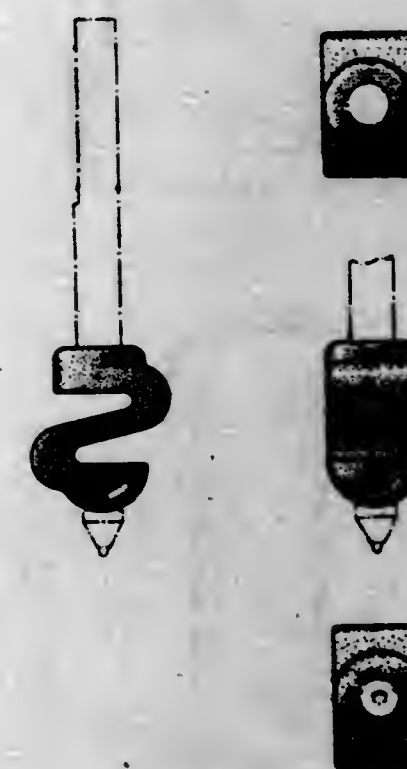
The ornamental design for a doll swing, substantially as shown.

148,523
DESIGN FOR AN AUTOMOBILE REAR VIEW MIRROR AND SUPPORT THEREFOR
Rene Daon, Norwalk, Conn., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of Connecticut
Application December 29, 1945, Serial No. 125,184
Term of patent 14 years
(Cl. D14—6)



The ornamental design for an automobile rear view mirror and support therefor, as shown and described.

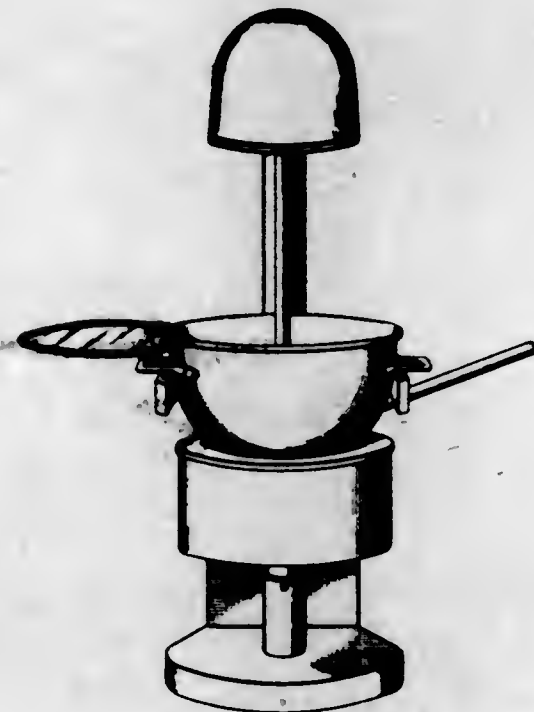
148,524
DESIGN FOR A STYLUS POINT SUPPORT FOR PHONOGRAPHS
John M. Dean, Putnam, Conn., assignor to The General Phonograph Manufacturing Company, Putnam, Conn., a corporation of New York
Application August 21, 1946, Serial No. 132,678
Term of patent 14 years
(Cl. D26—14)



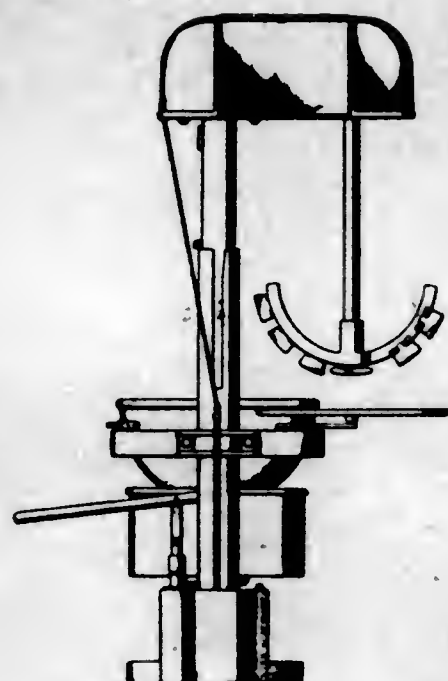
The ornamental design for a stylus point support for phonographs, substantially as shown and described.

148,525
DESIGN FOR A COMBINATION CONFECTIONERS' AND BAKERS' MIXER AND COOKER

Rubin M. Dubin, Los Angeles, Calif.
 Application August 19, 1946, Serial No. 132,662
 Term of patent 14 years
 (Cl. D44—1)



148,525—Continued



The ornamental design for a combination confectioners' and bakers' mixer and cooker, as shown.

148,526
DESIGN FOR A CLOTHESPIN
 Henri A. Fauteux, Jr., Ottawa, Ontario, Canada
 Application October 3, 1946, Serial No. 133,713
 Term of patent 14 years
 (Cl. D17—6)

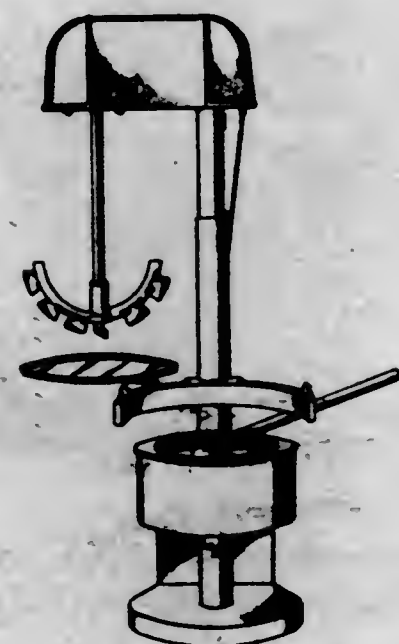


The ornamental design for a clothespin as shown.

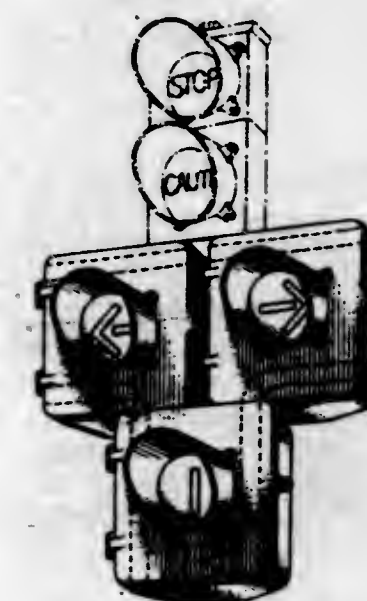
148,527
DESIGN FOR A TRAFFIC SIGNAL
 Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va., a corporation of Virginia
 Application March 8, 1945, Serial No. 118,337
 Term of patent 14 years
 (Cl. D72—1)



The ornamental design for a traffic signal, as shown and described.

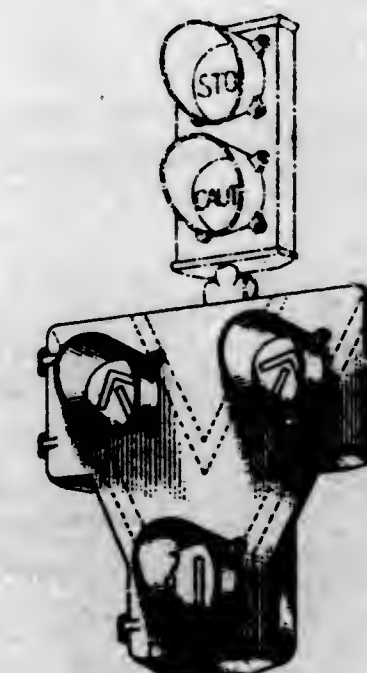


148,528
DESIGN FOR A TRAFFIC SIGNAL
 Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va., a corporation of Virginia
 Application March 8, 1945, Serial No. 118,339
 Term of patent 14 years
 (Cl. D72—1)



The ornamental design for a traffic signal, as shown and described.

148,529
DESIGN FOR A TRAFFIC SIGNAL
 Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va., a corporation of Virginia
 Application March 8, 1945, Serial No. 118,340
 Term of patent 14 years
 (Cl. D72—1)



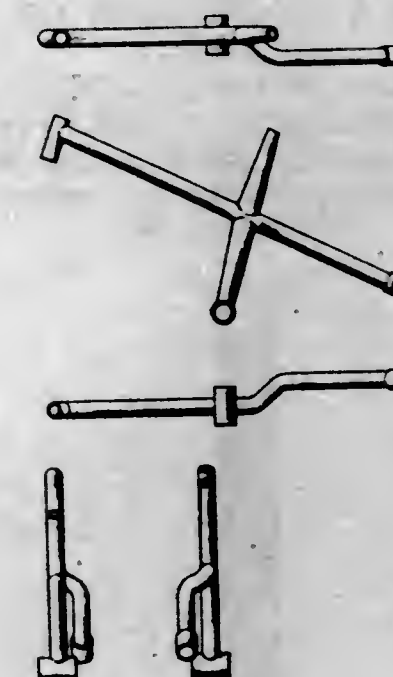
The ornamental design for a traffic signal, as shown and described.

148,530
DESIGN FOR A CONDIMENT HOLDER
 Alfred J. Flauder, Trumbull, Conn., assignor to Weidlich Bros. Manufacturing Company, Bridgeport, Conn.
 Application December 11, 1946, Serial No. 135,402
 Term of patent 7 years
 (Cl. D44—22)



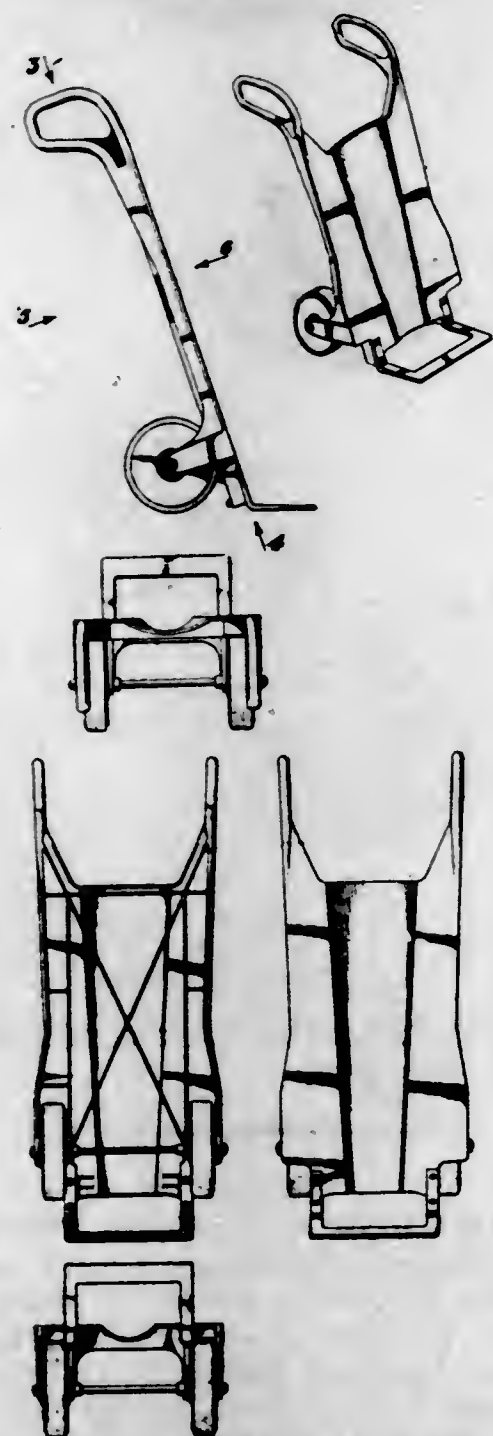
The ornamental design for a condiment holder, substantially as shown.

148,531
DESIGN FOR A BICYCLE FRAME
 Frank P. Fletcher, Pasadena, Calif., assignor to Wendell S. Fletcher, Frank P. Fletcher, and Maurice C. Fletcher, copartners doing business as Fletcher Aircraft, Burbank, Calif.
 Application June 4, 1946, Serial No. 130,374
 Term of patent 14 years
 (Cl. D90—8)



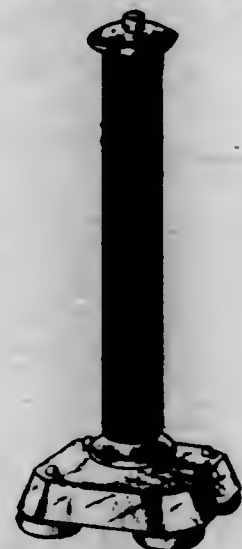
The ornamental design for a bicycle frame, as shown.

148,522
DESIGN FOR A HAND TRUCK OR SIMILAR ARTICLE
 Frank E. Gaines, Alhambra, Calif.
 Application September 20, 1946, Serial No. 133,467
 Term of patent 14 years
 (Cl. D14-3)



The ornamental design for a hand truck or similar article, substantially as shown.

148,533
DESIGN FOR A LAMPSTAND OR SIMILAR ARTICLE
 Clark F. Galehouse, Manhasset, N. Y., assignor to Arnold Brillhart Ltd., Great Neck, N. Y.
 Application April 29, 1946, Serial No. 129,097
 Term of patent 3½ years
 (Cl. D48-20)



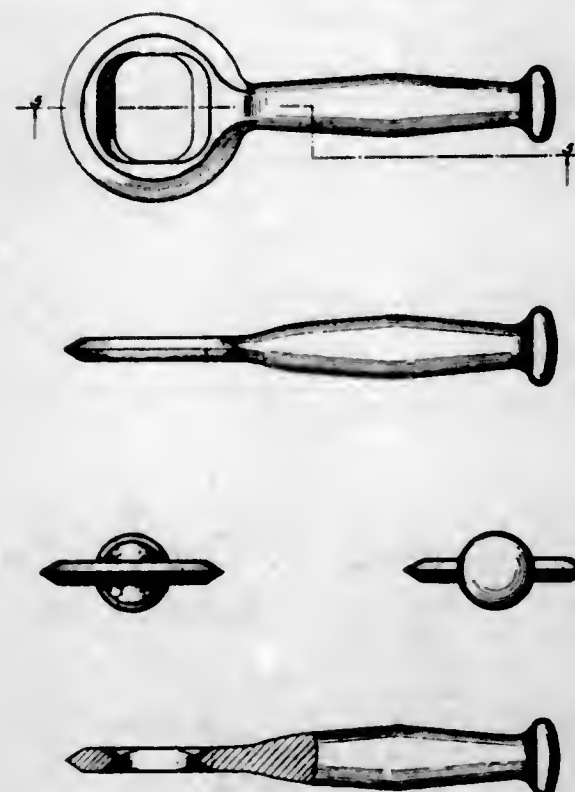
The ornamental design for a lampstand or similar article, as shown.

148,534
DESIGN FOR A BROOCH
 Lang Goldsmith, Brookline, Mass.
 Application April 16, 1946, Serial No. 128,633
 Term of patent 3½ years
 (Cl. D45-19)



The ornamental design for a brooch, as shown.

148,535
DESIGN FOR A COMBINATION BOTTLE OPENER AND MUDDLER
 Frank E. Hamilton, Jr., Milwaukee, Wis.
 Application March 25, 1946, Serial No. 127,924
 Term of patent 14 years
 (Cl. D44-29)



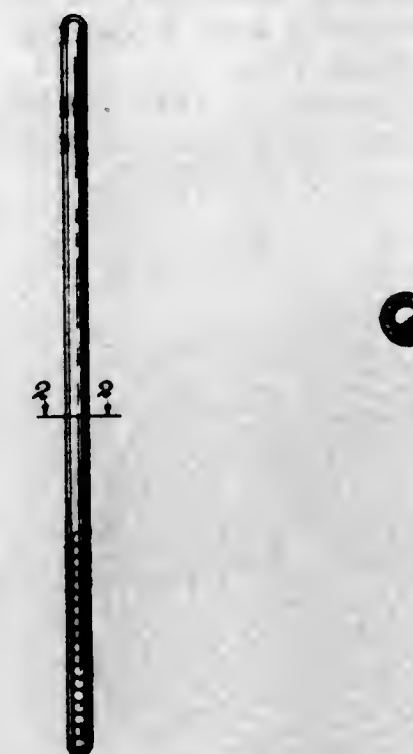
The ornamental design for a combination bottle opener and muddler, substantially as shown and described.

148,536
DESIGN FOR A HEATER
 Thomas L. Hand, Cincinnati, Ohio, assignor to Noma Electric Corporation, New York, N. Y., a corporation of Maryland
 Application September 26, 1946, Serial No. 133,573
 Term of patent 7 years
 (Cl. D81-19)



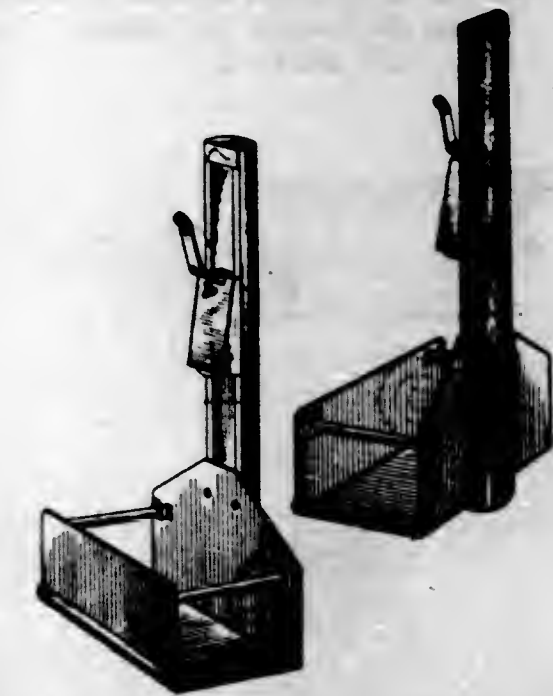
The ornamental design for a heater, substantially as shown.

148,537
DESIGN FOR A BEVERAGE STIRRER
 Todd Harris, Brooklyn, N. Y.
 Application December 27, 1945, Serial No. 125,054
 Term of patent 14 years
 (Cl. D44-29)



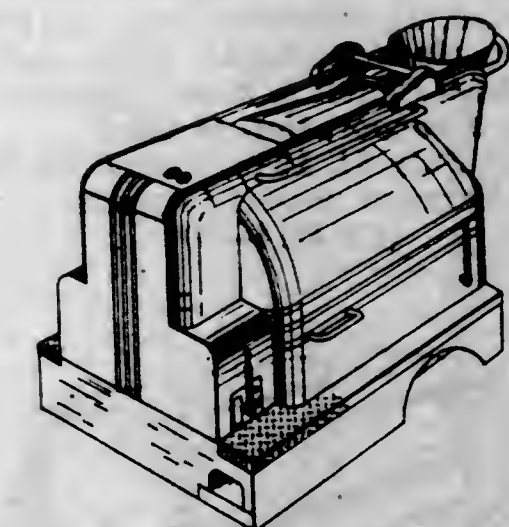
The ornamental design for a beverage stirrer, substantially as shown.

148,538
DESIGN FOR A TIRE HOLDER
 Andrew L. Henkel, Chicago, Ill.
 Application April 9, 1945, Serial No. 118,925
 Term of patent 7 years
 (Cl. D90-18)



The ornamental design for a tire holder, substantially as shown.

148,539
DESIGN FOR A CONCRETE MIXER
 Louis G. Hilkemeier, West Allis, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
 Application March 21, 1946, Serial No. 127,735
 Term of patent 14 years
 (Cl. D14-3)



The ornamental design for a concrete mixer, substantially as shown and described.

148,540

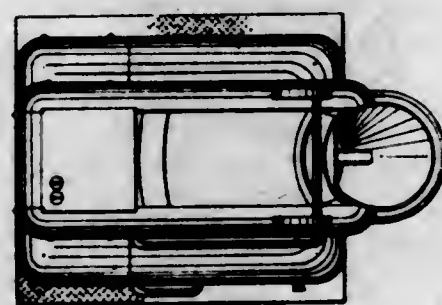
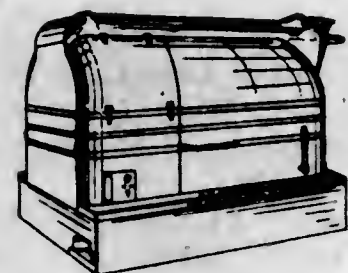
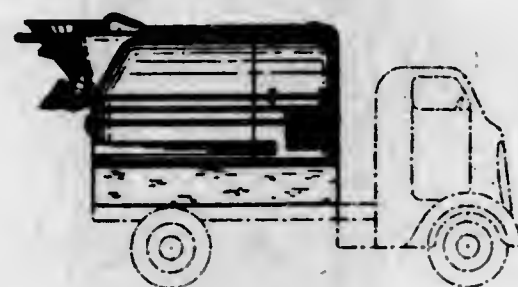
DESIGN FOR A CONCRETE MIXER

Louis G. Hilkemeier, West Allis, Wis., and Oscar E. Knab, Cassopolis, Mich., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 3, 1946, Serial No. 128,220

Term of patent 14 years

(Cl. D14-3)



The ornamental design for a concrete mixer, substantially as shown and described.

148,541

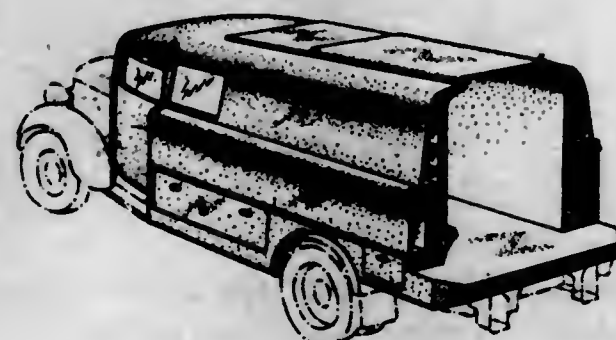
DESIGN FOR A VEHICLE BODY

James H. Holan, Jr., Rocky River, and Herman J. Troche, Cleveland Heights, Ohio, assignors to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio

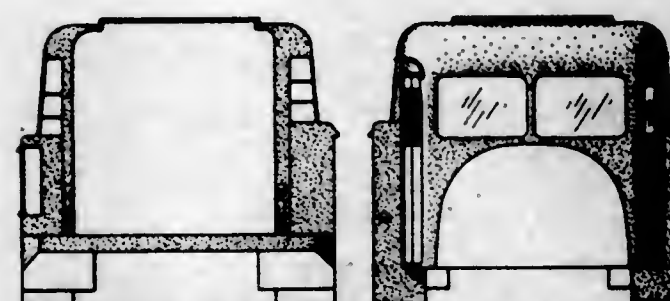
Application July 31, 1946, Serial No. 132,155

Term of patent 14 years

(Cl. D14-3)



148,541—Continued



The ornamental design for a vehicle body, as shown and described.

148,542

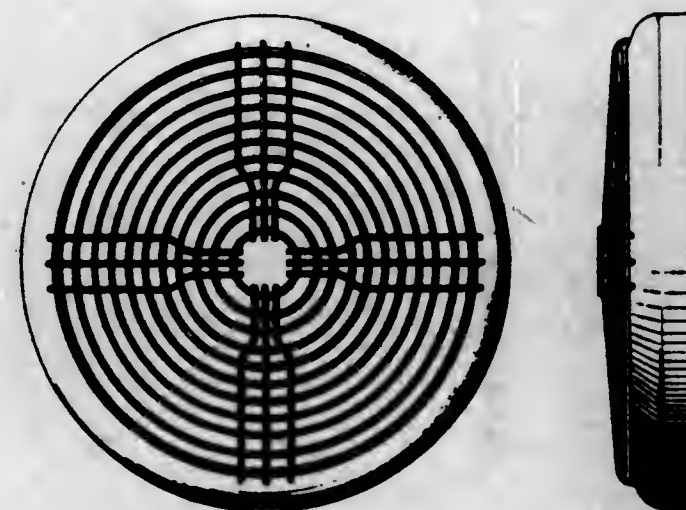
DESIGN FOR A GRILLE FOR AN ELECTRIC FAN AND THE LIKE

Ray R. Hutcheson, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York

Application October 4, 1946, Serial No. 133,763

Term of patent 14 years

(Cl. D26-7)



The ornamental design for a grille for an electric fan and the like, as shown.

148,543

DESIGN FOR A WALL PLAQUE

Hubert Johnson, Lead, S. Dak.
Application August 28, 1947, Serial No. 141,096
Term of patent 3 1/4 years
(Cl. D29-23)



The ornamental design for a wall plaque, as shown.

148,544

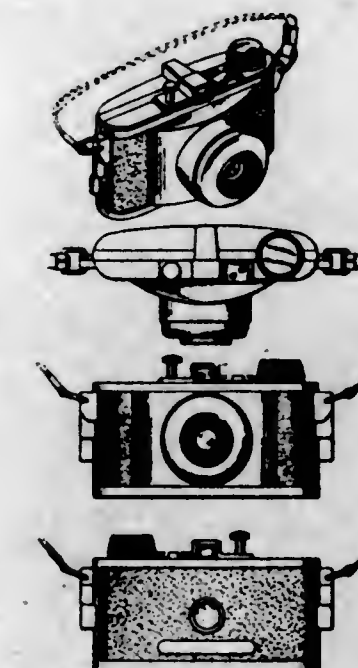
DESIGN FOR A CAMERA

Morris Kaplowitz, Brooklyn, N. Y., assignor to Federal Manufacturing & Engineering Corp., a corporation of New York

Application December 21, 1946, Serial No. 135,667

Term of patent 14 years

(Cl. D61-1)



The ornamental design for a camera, substantially as shown and described.

148,545

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application January 24, 1947, Serial No. 136,386

Term of patent 7 years

(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,546

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application January 24, 1947, Serial No. 136,392

Term of patent 7 years

(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,547

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I.
Application January 24, 1947, Serial No. 136,393

Term of patent 7 years

(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,548

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,395
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,549

DESIGN FOR A LAPEL PIN OR SIMILAR ARTICLE

Bernard Kohn, New York, N. Y.
Application May 3, 1946, Serial No. 129,263
Term of patent 3½ years
(Cl. D45—19)

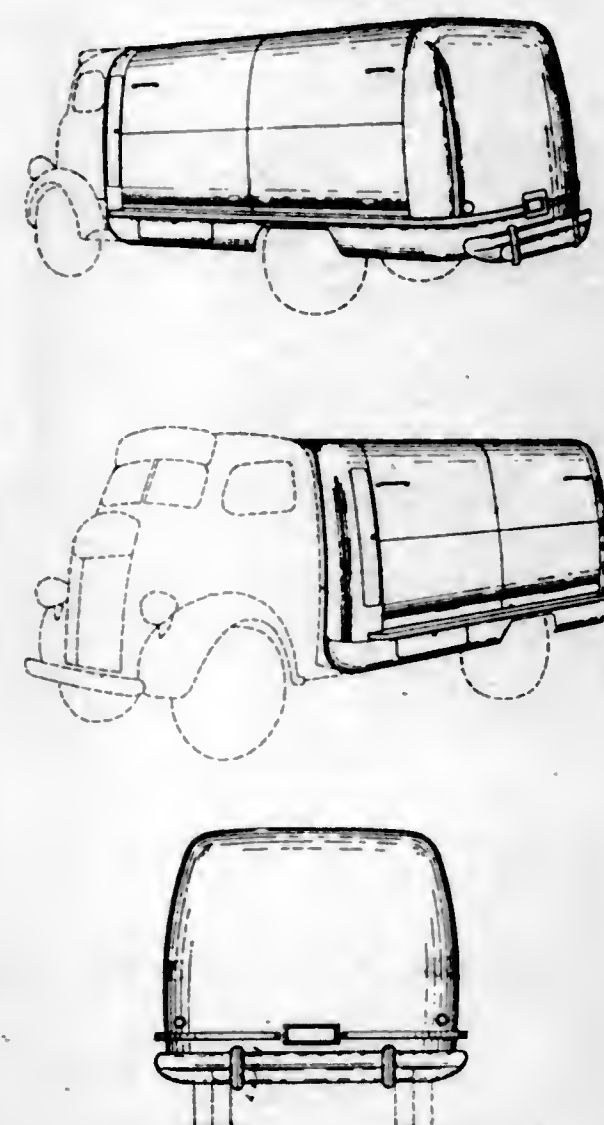


The ornamental design for a lapel pin or similar article, as shown.

148,550

DESIGN FOR A TRUCK BODY

Raymond Loewy, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application July 5, 1946, Serial No. 131,545
Term of patent 14 years
(Cl. D14—3)

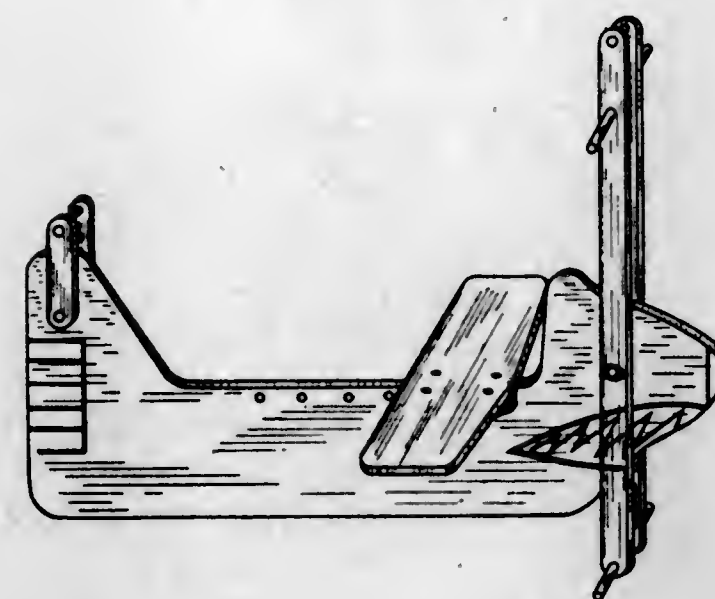


The ornamental design for a truck body, as shown.

148,551

DESIGN FOR A CHILD'S SWING

John A. MacKay, Detroit, Mich.
Application May 24, 1946, Serial No. 130,030
Term of patent 3½ years
(Cl. D34—15)

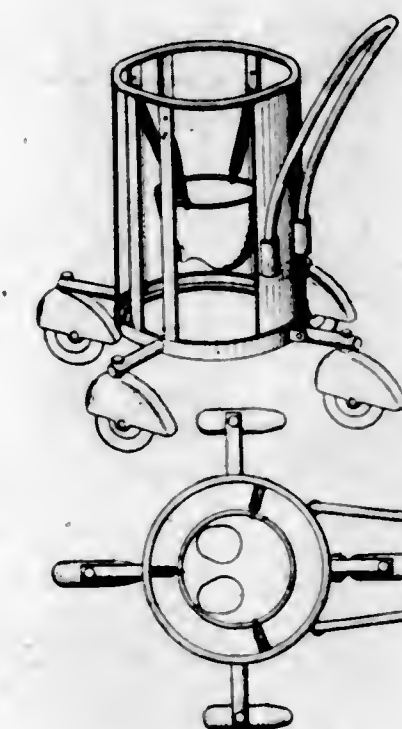


The ornamental design for a child's swing, substantially as shown and described.

148,552

DESIGN FOR A WALKER OR LIKE ARTICLE

Gerald I. Marcus, Kansas City, Mo.
Application July 19, 1946, Serial No. 131,689
Term of patent 3½ years
(Cl. D14—3)

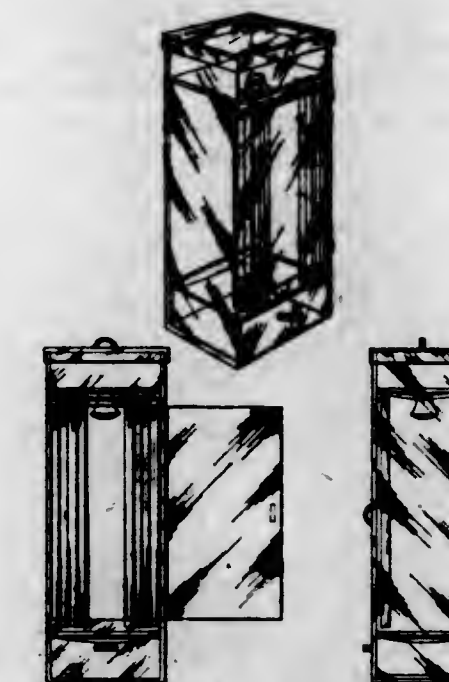


The ornamental design for a walker or like article, substantially as shown.

148,553

DESIGN FOR A TRANSPARENT DOLL'S STALL SHOWER

Marshall A. Marshall, Buffalo, N. Y.
Application September 11, 1946, Serial No. 133,236
Term of patent 7 years
(Cl. D34—15)

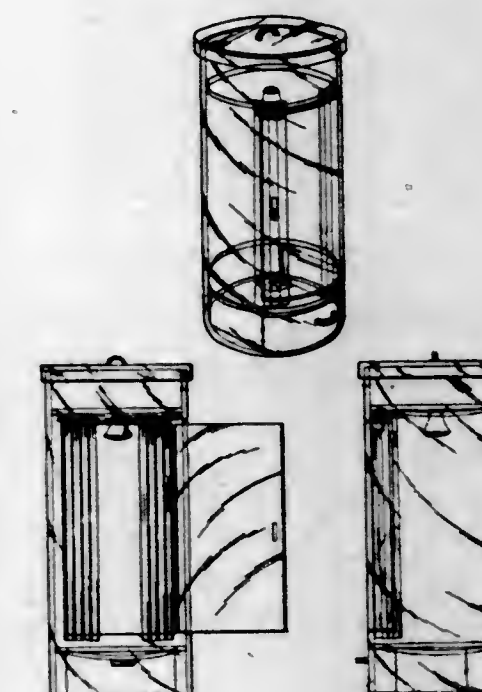


The ornamental design for a transparent doll's stall shower, as shown.

148,554

DESIGN FOR A DOLL'S STALL SHOWER

Marshall A. Marshall, Buffalo, N. Y.
Application October 3, 1946, Serial No. 133,719
Term of patent 7 years
(Cl. D34—15)

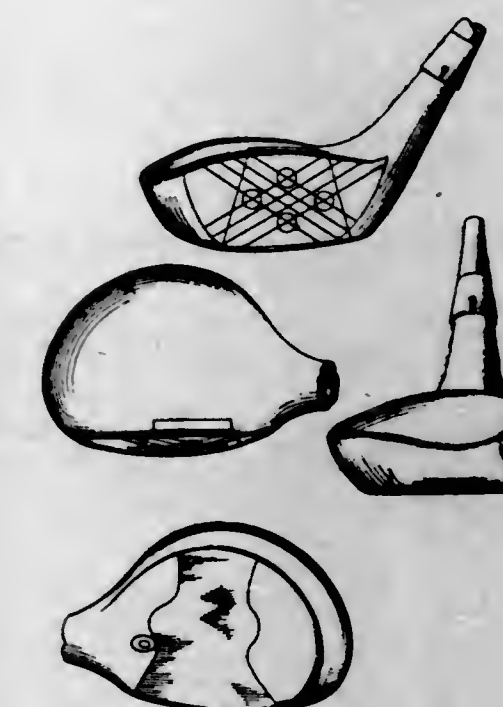


The ornamental design for a doll's stall shower, as shown.

148,555

DESIGN FOR A GOLF CLUB HEAD

Fredrick W. Matzie, Los Angeles, Calif.
Application February 26, 1946, Serial No. 126,934
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a golf club head, as shown.

148,556

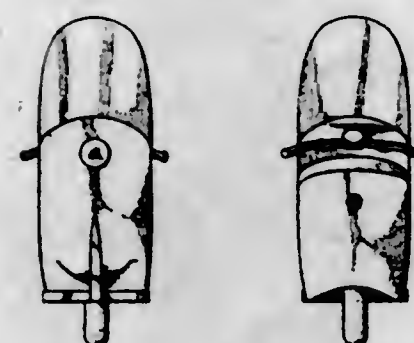
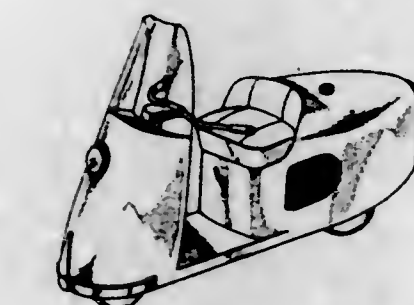
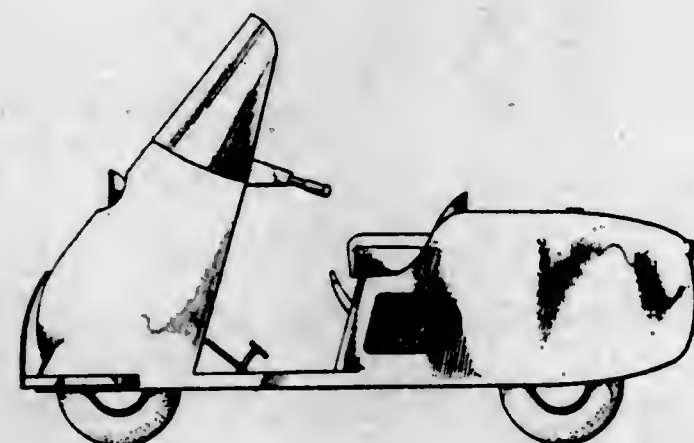
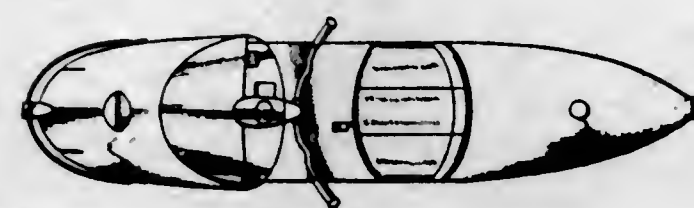
DESIGN FOR A MOTOR SCOOTER

Kenneth McLellan, Monrovia, Calif., assignor to Salscor Company, Los Angeles, Calif., a corporation of California

Application May 20, 1946, Serial No. 129,888

Term of patent 14 years

(Cl. D90—8)



The ornamental design for a motor scooter, as shown and described.

148,557

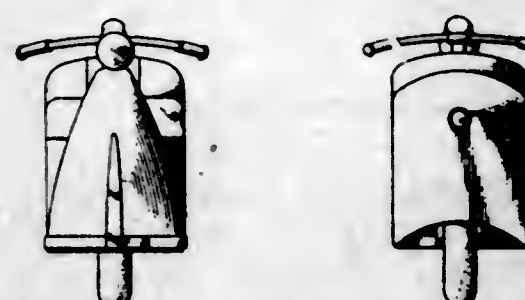
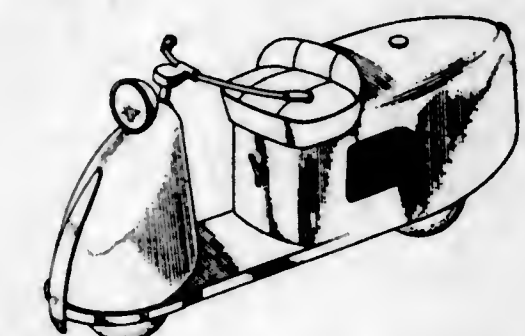
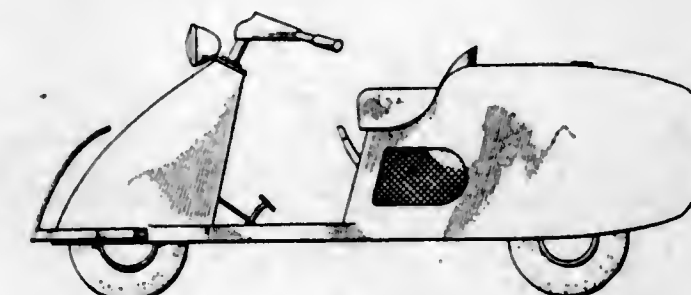
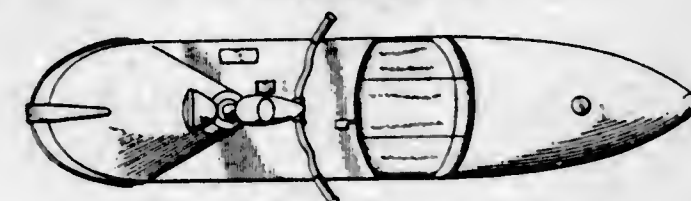
DESIGN FOR A MOTOR SCOOTER

Kenneth McLellan, Monrovia, Calif., assignor to Salscor Company, Los Angeles, Calif., a corporation of California

Application May 20, 1946, Serial No. 129,889

Term of patent 14 years

(Cl. D90—8)



The ornamental design for a motor scooter, as shown and described.

148,558

DESIGN FOR A LAPEL AND POCKET BADGE OR SIMILAR ARTICLE

Robert J. Neller, Appleton, Wis.

Application July 8, 1946, Serial No. 131,367

Term of patent 3½ years

(Cl. D45—19)



The ornamental design for a lapel and pocket badge or similar article, as shown.

148,559

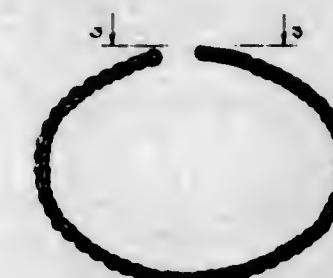
DESIGN FOR A BRACELET

Emil J. Ostheimer, Woodside, Long Island, N. Y.

Application October 5, 1946, Serial No. 133,789

Term of patent 7 years

(Cl. D45—4)



The ornamental design for a bracelet, as shown and described.

148,560

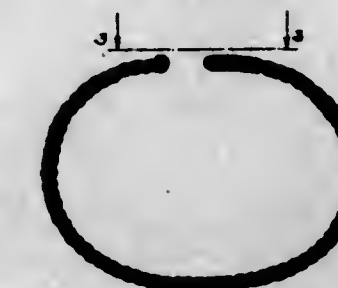
DESIGN FOR A BRACELET

Emil J. Ostheimer, Woodside, Long Island, N. Y.

Application October 9, 1946, Serial No. 133,851

Term of patent 7 years

(Cl. D45—4)



The ornamental design for a bracelet, as shown and described.

607 O. G.—12

148,561

DESIGN FOR A HANDBAG

Charles K. Oxenfeld, St. Louis, Mo.

Application April 18, 1947, Serial No. 138,467

Term of patent 7 years

(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

148,562

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.

Application January 29, 1947, Serial No. 136,502

Term of patent 7 years

(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,563

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.

Application January 29, 1947, Serial No. 136,505

Term of patent 7 years

(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,564

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 29, 1947, Serial No. 136,508
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,565

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 29, 1947, Serial No. 136,509
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,566

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,588
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,567

DESIGN FOR A PIN CLIP OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,589
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin clip or similar article, substantially as shown.

148,568

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,591
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,569

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,593
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,570

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,595
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,571

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,596
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,572

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 31, 1947, Serial No. 136,597
Term of patent 7 years
(Cl. D45—19)

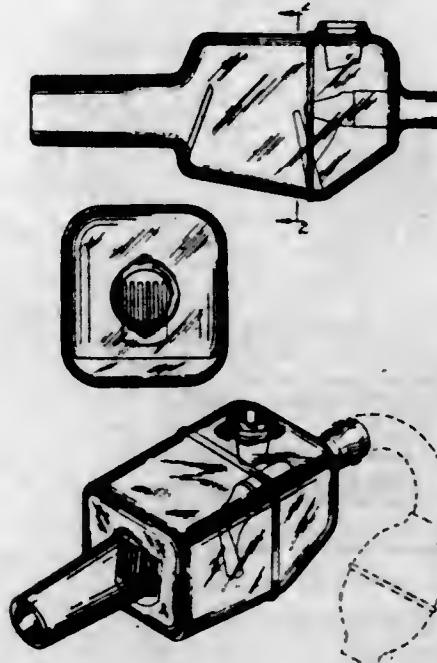


The ornamental design for a brooch or similar article, substantially as shown.

148,573

DESIGN FOR A NEBULIZER OR THE LIKE

Arthur W. Pitts, Tacoma, Wash.
Application April 8, 1946, Serial No. 128,384
Term of patent 14 years
(Cl. D83—1)

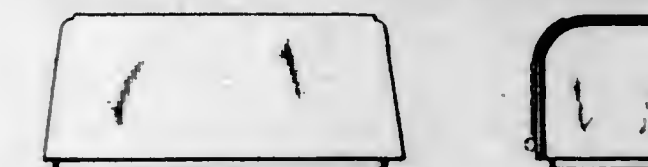
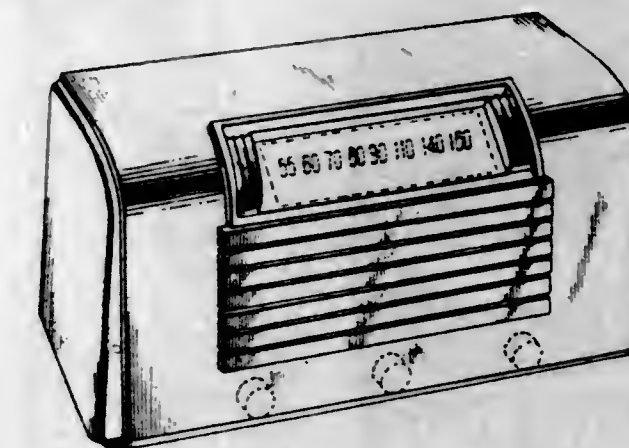


The ornamental design for a nebulizer or the like, as shown and described.

148,574

DESIGN FOR A RADIO CABINET

Joseph D. Portanova, Los Angeles, Calif., assignor to Hoffman Radio Corporation, Los Angeles, Calif., a corporation of California
Application September 9, 1946, Serial No. 133,187
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio cabinet, substantially as shown and described.

148,575

DESIGN FOR A BUCKET CART

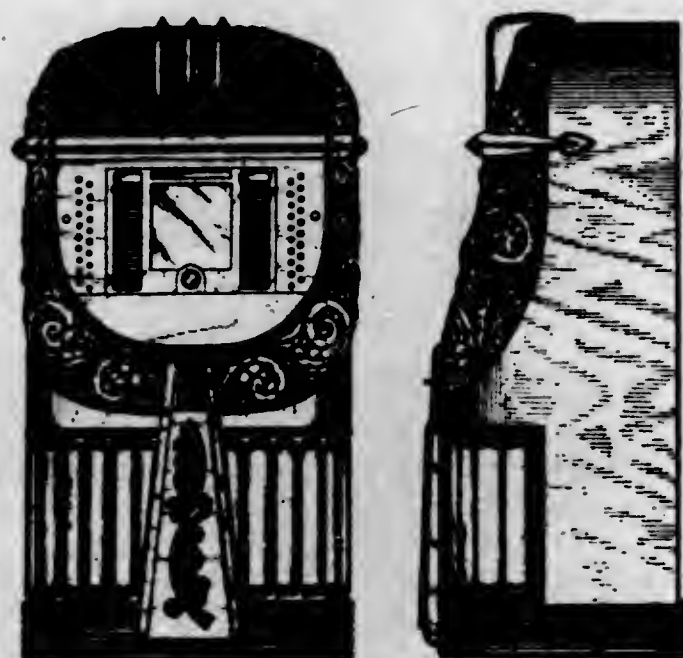
Arthur C. Rapp, Merced County, Calif.
Application August 26, 1946, Serial No. 132,848
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a bucket cart, as shown.

148,576

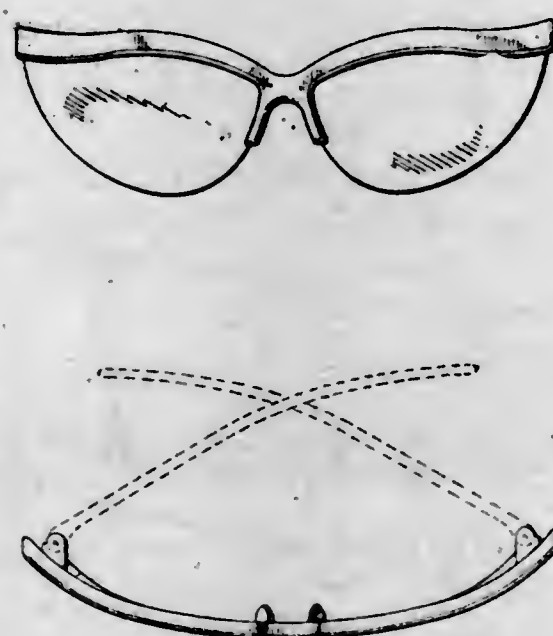
DESIGN FOR A PHONOGRAPH CABINET
 Jean O. Reinecke, Oak Park, Ill., assignor to
 A M I Incorporated, Chicago, Ill., a corporation
 of Michigan
 Application July 27, 1946, Serial No. 132,018
 Term of patent 7 years
 (Cl. D56-4)



The ornamental design for a phonograph cabinet, as shown.

148,577

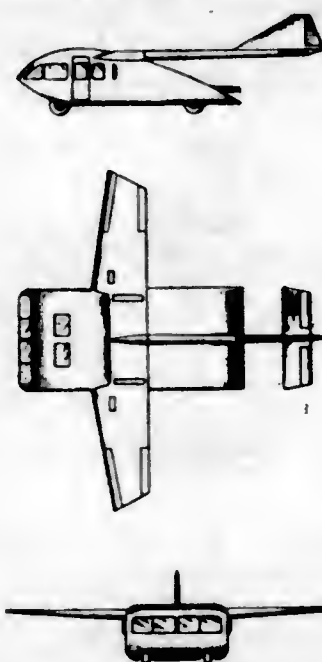
DESIGN FOR A SUN GOGGLE OR THE LIKE
 Harry C. Richards, Morristown, N. J., assignor to
 Fesgood Corporation, Leominster, Mass., a corporation of Massachusetts
 Application June 3, 1947, Serial No. 139,432
 Term of patent 14 years
 (Cl. D57-1)



The ornamental design for a sun goggle or the like, substantially as shown and described.

148,578

DESIGN FOR AN AIRPLANE
 Irving Rogers, Monticello, N. Y.
 Application September 18, 1946, Serial No. 133,387
 Term of patent 14 years
 (Cl. D71-1)



The ornamental design for an airplane, as shown.

148,579

DESIGN FOR AN AUTOMOBILE STATION WAGON
 Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
 Application April 26, 1946, Serial No. 128,961
 Term of patent 14 years
 (Cl. D14-3)



The ornamental design for an automobile station wagon, substantially as shown and described.

148,580

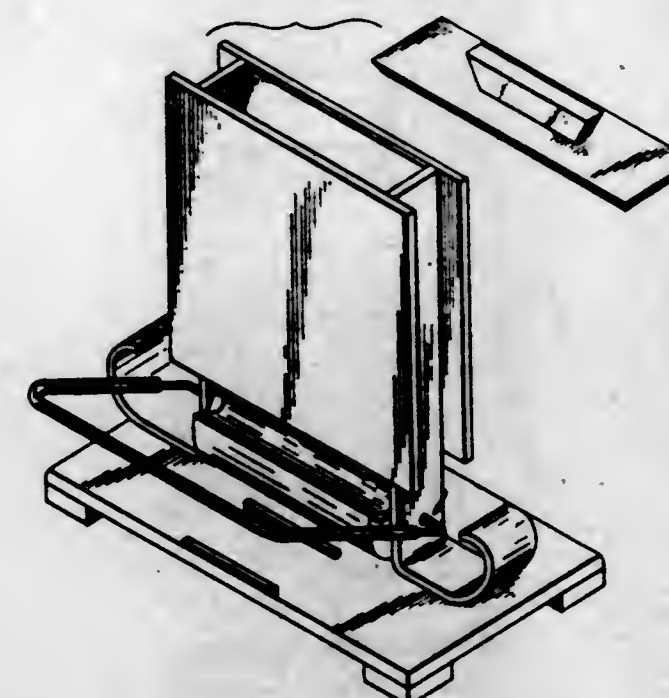
DESIGN FOR A CUP OR SIMILAR ARTICLE
 Violet Ross, Hawthorne, Calif.
 Application December 20, 1946, Serial No. 135,643
 Term of patent 7 years
 (Cl. D44-9)



The ornamental design for a cup or similar article, substantially as shown and described.

148,581

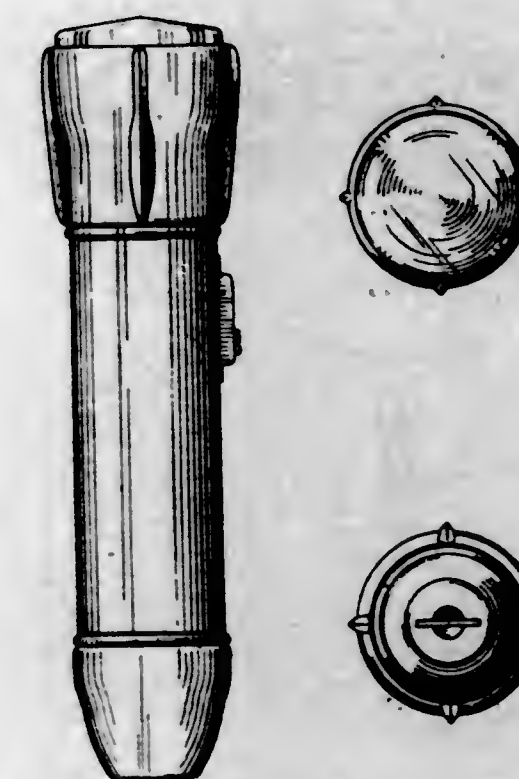
DESIGN FOR A CIGARETTE DISPENSER
 Martin Satioff, Brooklyn, N. Y.
 Application July 23, 1946, Serial No. 131,856
 Term of patent 14 years
 (Cl. D85-2)



The ornamental design for a cigarette dispenser, as shown.

148,582

DESIGN FOR A FLASHLIGHT OR LIKE ARTICLE
 Fred Schlotterbeck, New York, N. Y., assignor to
 Guth, Stern & Co. Inc., a corporation of New York
 Application November 12, 1946, Serial No. 134,723
 Term of patent 14 years
 (Cl. D48-24)



The ornamental design for a flashlight or like article, as shown.

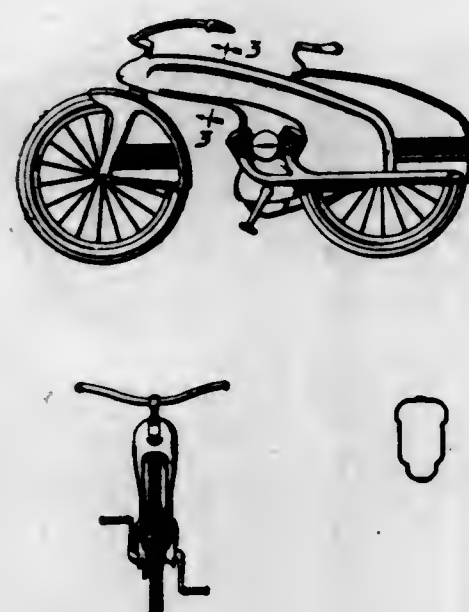
148,583

DESIGN FOR A DISPLAY PLATE FOR AUTOMOBILES OR SIMILAR ARTICLES
 Peter B. Searcy, Austin, Tex.
 Application October 28, 1947, Serial No. 142,171
 Term of patent 14 years
 (Cl. D14-6)



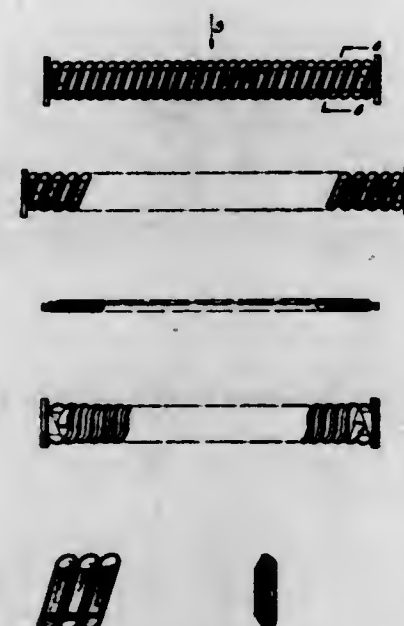
The ornamental design for a display plate for automobiles or similar articles, as shown.

148,584
DESIGN FOR A BICYCLE
 Leon Jay Simon, Detroit, Mich.
 Application March 2, 1946, Serial No. 127,038
 Term of patent 14 years
 (Cl. D90—8)



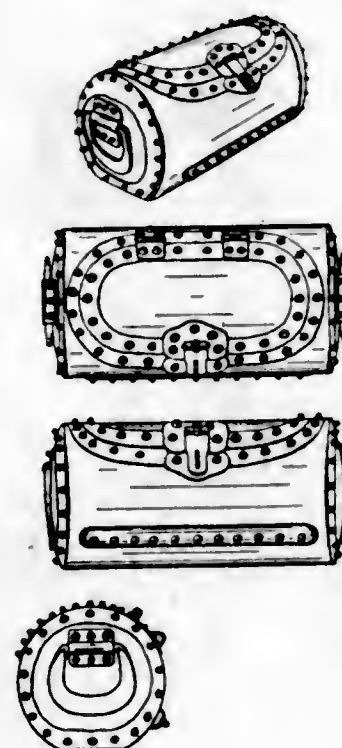
The ornamental design for a bicycle, as shown and described.

148,585
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
 John G. Siska, Cresskill, N. J., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J.
 Application January 27, 1947, Serial No. 136,445
 Term of patent 7 years
 (Cl. D45—4)



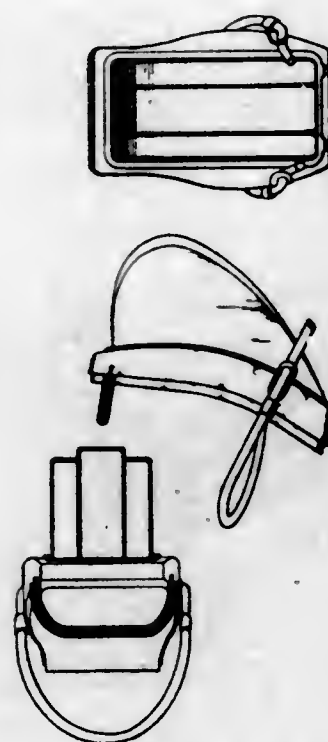
The ornamental design for a bracelet or similar article, as shown and described.

148,586
DESIGN FOR A JEWEL CASE
 Daniel J. Slater, St. Paul, Minn.
 Application August 26, 1946, Serial No. 132,861
 Term of patent 14 years
 (Cl. D86—9)



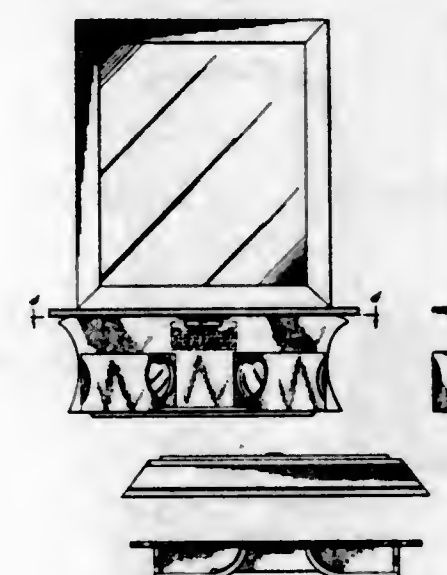
The ornamental design for a jewel case, as shown.

148,587
DESIGN FOR A MASSAGING DEVICE OR SIMILAR ARTICLE
 Leland H. Snyder, Chicago, Ill., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill., a corporation of Illinois
 Application June 6, 1946, Serial No. 130,450
 Term of patent 3½ years
 (Cl. D83—1)



The ornamental design for a massaging device or similar article, as shown.

148,588
DESIGN FOR A COMBINED PICTURE FRAME AND CALENDAR HOLDER OR SIMILAR ARTICLE
 Dmytro Stec, Dearborn, Mich.
 Application May 2, 1947, Serial No. 138,771
 Term of patent 7 years
 (Cl. D29—20)



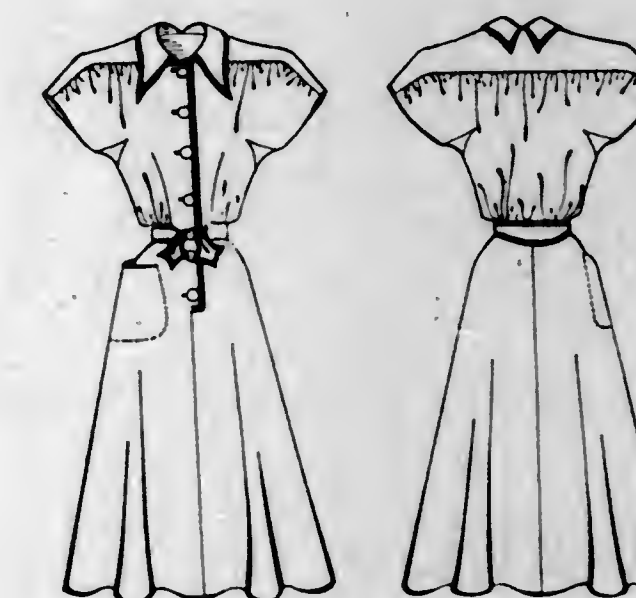
The ornamental design for a combined picture frame and calendar holder or similar article, as shown.

148,589
DESIGN FOR A FLOOR SWITCH
 Robert L. Stone, Guilford, and Frank E. Runge, Branford, Conn., assignors to The Soundsciber Corporation, New Haven, Conn., a corporation of Connecticut
 Application August 5, 1946, Serial No. 132,295
 Term of patent 14 years
 (Cl. D26—13)



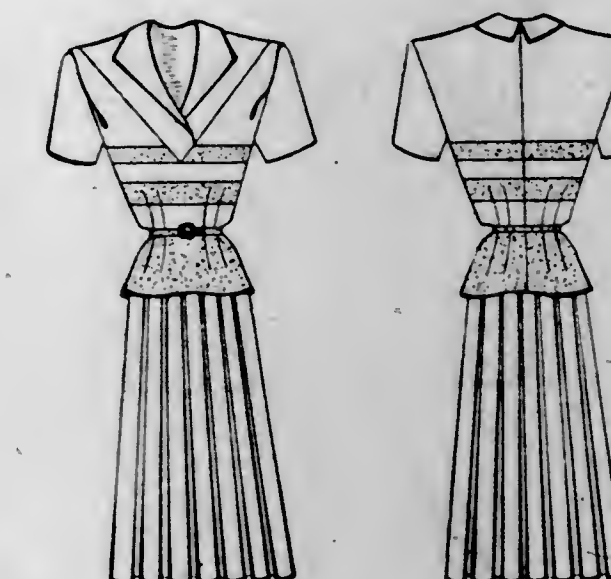
The ornamental design for a floor switch, as shown and described.

148,590
DESIGN FOR A DRESS
 John Friedrich Strassner, New York, N. Y.
 Application March 17, 1947, Serial No. 137,654
 Term of patent 3½ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,591
DESIGN FOR A DRESS
 John Friedrich Strassner, New York, N. Y.
 Application March 17, 1947, Serial No. 137,657
 Term of patent 3½ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,592

DESIGN FOR A DRESS

John Friedrich Strassner, New York, N. Y.
Application March 17, 1947, Serial No. 137,667
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,593

DESIGN FOR A DRESS

John Friedrich Strassner, New York, N. Y.
Application March 17, 1947, Serial No. 137,670
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)

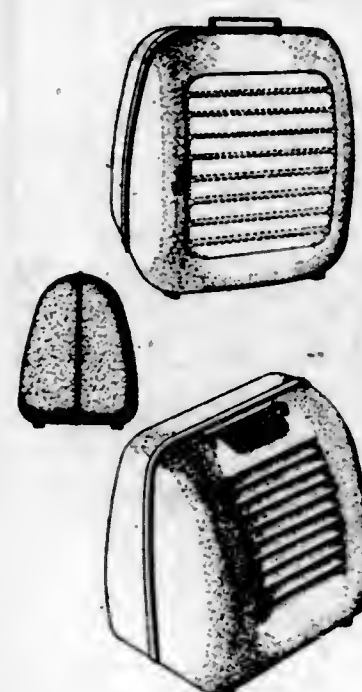


The ornamental design for a dress, substantially as shown.

148,594

DESIGN FOR AN ELECTRIC HEATER

Carl W. Sundberg and Montgomery Ferar, Detroit, Mich., assignors to The Swartsbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application July 20, 1946, Serial No. 131,752
Term of patent 14 years
(Cl. D81—10)



The ornamental design for an electric heater, as shown and described.

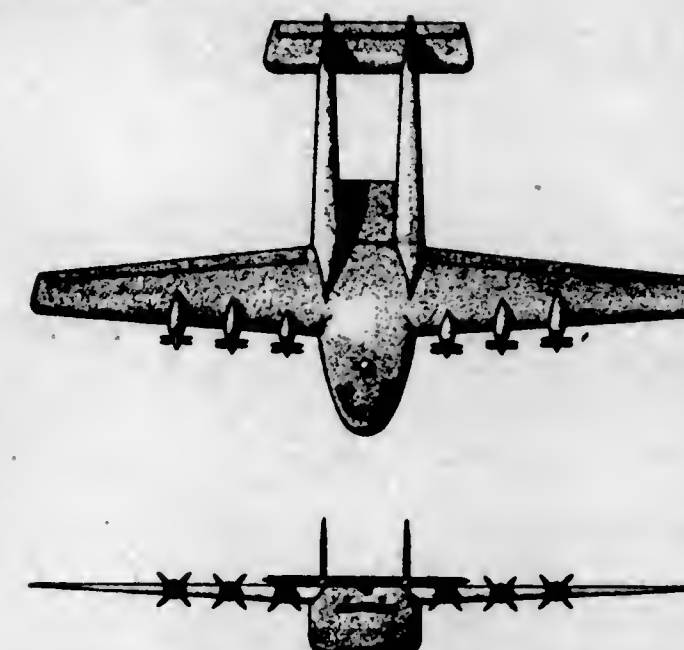
148,595

DESIGN FOR AN AIRPLANE

Armand J. Thieblot, Hagerstown, Md., assignor to Fairchild Engine & Airplane Corporation, a corporation of Maryland
Application November 8, 1946, Serial No. 134,614
Term of patent 14 years
(Cl. D71—1)



148,595—Continued

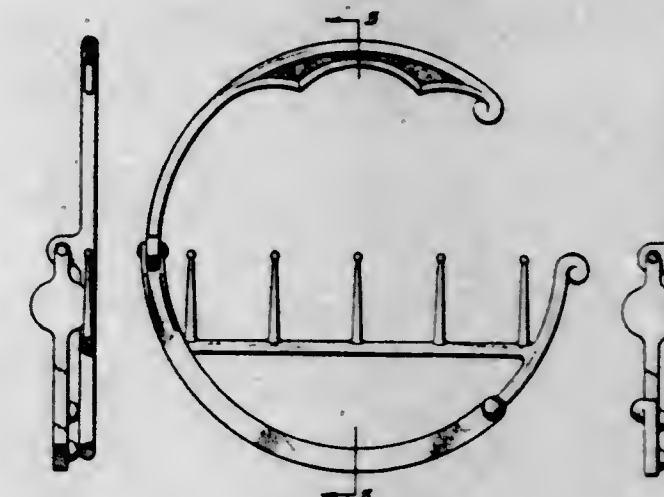


The ornamental design for an airplane, substantially as shown.

148,596

DESIGN FOR A TIE RACK

Arthur Waterman, Philadelphia, Pa.
Application August 19, 1946, Serial No. 132,635
Term of patent 14 years
(Cl. D33—8)



The ornamental design for a tie rack, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Affiliated Retailers, Inc., New York, N. Y. Electrical appliances. Serial No. 525,278, Feb. 3. Class 21.
- American Chair Company, Sheboygan, Wis. Sectional and stationary davenport with matching chairs, occasional chairs, lounge chairs, etc. Serial No. 497,439, Feb. 3. Class 32.
- American Rolling Mill Company, The, Middletown, Ohio. Ferrous metals and ferrous metal castings and forgings. Serial No. 527,736, Feb. 3. Class 14.
- American Rolling Mill Company, The, Middletown, Ohio. Surface impregnated and coated iron and steel sheets. Serial No. 528,025, Feb. 3. Class 14.
- American Rolling Mill Company, The, Middletown, Ohio. Ferrous metals in sheet form. Serial No. 528,028, Feb. 3. Class 14.
- American Rolling Mill Company, The, Middletown, Ohio. Ferrous metals and ferrous metal castings and forgings. Serial No. 528,032, Feb. 3. Class 14.
- American Steel Foundries, Chicago, Ill. Railway couplers and parts thereof. Serial No. 528,024, Feb. 3. Class 19.
- American Woolen Company, New York, N. Y. Woolen piece goods. Serial No. 510,466, Feb. 3. Class 42.
- American Woolen Company, New York, N. Y. Piece goods. Serial No. 516,521, Feb. 3. Class 42.
- Ames Company, Inc., Elkhart, Ind. Medicinal herbs, plants and other products especially prepared for pharmaceutical use. Serial No. 518,509, Feb. 3. Class 6.
- Andover Textile Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 529,950, Feb. 3. Class 42.
- Autographic Register Company, Hoboken, N. J. Continuous writing strips interleaved with carbon strips and writing sheets, etc. Serial No. 528,006, Feb. 3. Class 37.
- Beatrice Steel Tank Manufacturing Company, Beatrice, Nebr. Metal barrels. Serial No. 513,019, Feb. 3. Class 2.
- Block, M., & Sons, Chicago, Ill. Storage and wardrobe metal cabinets. Serial No. 521,972, Feb. 3. Class 32.
- Cardinal Company, The, Hollywood, Calif. Mechanically grooved phonograph records and mechanically grooved radio broadcasting transcriptions. Serial No. 514,409, Feb. 3. Class 36.
- Challenge Machinery Company, The, Grand Haven, Mich. Paper drilling machines, slotting attachments for paper drilling machines, paper drills, etc. Serial No. 523,188, Feb. 3. Class 23.
- Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial No. 502,269, Feb. 3. Class 38.
- Crosley Broadcasting Corporation, The, assignee: See—Crosley Corporation, The.
- Crosley Broadcasting Corporation, Cincinnati, Ohio. Radio scripts. Serial No. 523,048, Feb. 3. Class 38.
- Crosley Corporation, The, assignor to The Crosley Broadcasting Corporation, Cincinnati, Ohio. Mechanically grooved records on which musical radio programs are inscribed. Serial No. 502,497, Feb. 3. Class 36.
- Cutter Laboratories, Berkeley, Calif. Biological immunizing agent for immunizing against diphtheria and whooping cough. Serial No. 509,637, Feb. 3. Class 6.
- Dan River Mills, Incorporated, Danville, Va. Piece goods of cotton, rayon, or mixtures thereof. Serial No. 522,102, Feb. 3. Class 42.
- Daumit, Kay, Inc., Chicago, Ill., assignor to Barbara Gould, Inc., New York, N. Y. Cologne. Serial No. 503,973, Feb. 3. Class 6.
- Dennis, S., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 524,779, Feb. 3. Class 42.
- Dialite Dial Co., The, Oklahoma City, Okla. Auxiliary telephone dial adopted for use on dial telephones. Serial No. 511,986, Feb. 3. Class 21.
- Dutton-Lainson Company, Hastings, Nebr. Hand-operated pump oilers. Serial No. 506,434, Feb. 3. Class 23.
- Electro-Mechanical Instrument Co., The, Perkaskie, Pa. Ammeters, milliammeters and voltmeters. Serial No. 520,939, Feb. 3. Class 26.
- Everhot Heater Company, Detroit, Mich. Gas water heaters. Serial No. 526,994, Feb. 3. Class 34.
- Faraday Electric Corporation, Adrian, Mich. Insulated electric wire strands equipped with terminals. Serial No. 476,605, Feb. 3. Class 21.
- French Art Silk Creations Co.: See—Tardy, Suzanne.
- Gantner & Mattern Company, San Francisco, Calif. Knitted and woven wool, nylon, rayon, silk, etc. Serial No. 519,809, Feb. 3. Class 42.
- Gates Rubber Company, The, Denver, Colo. Flat power transmission belts. Serial No. 508,154, Feb. 3. Class 35.
- Getzum Products: See—Rea, Newville F.
- Glass, Henry, & Co., New York, N. Y. Cotton and rayon piece goods. Serial No. 527,363, Feb. 3. Class 42.
- Godall-Sanford, Inc., Sanford, Maine. Woolen piece goods. Serial No. 522,959, Feb. 3. Class 42.
- Gould, Barbara, Inc., assignee: See—Daumit, Kay, Inc.
- Great American Tea Company, The, New York, N. Y. Wax paper. Serial No. 528,465, Feb. 3. Class 37.
- Great American Tea Company, The, New York, N. Y. Toilet tissue. Serial No. 528,466, Feb. 3. Class 37.
- Great Atlantic & Pacific Tea Company, The, New York, N. Y. Butter. Serial No. 527,978, Feb. 3. Class 46.
- Great Atlantic & Pacific Tea Company, The, New York, N. Y. Breakfast cereal. Serial No. 528,272, Feb. 3. Class 46.
- Gustin-Bacon Manufacturing Company, Kansas City, Mo. Upholstery padding material and mattress filling. Serial No. 512,410, Feb. 3. Class 32.
- Gyuris, John, New York, N. Y. Electrical heater elements, electric flatirons, hot plates, etc. Serial No. 516,692, Feb. 3. Class 21.
- Harrower Laboratory, Inc., The, Glendale, Calif. Sterile solution. Serial No. 529,262, Feb. 3. Class 6.
- Heribert, Herbert J., New York, N. Y. Wide belting, striping and webbing. Serial No. 511,473, Feb. 3. Class 42.
- Hollins, William, & Company, Inc., Forestdale, R. I., and New York, N. Y. Woolen piece goods. Serial No. 516,747, Feb. 3. Class 42.
- Jacobs Bros. Co., Inc., Brooklyn, N. Y. Manually-operated cheese slicers. Serial No. 520,782, Feb. 3. Class 23.
- Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 502,754, Feb. 3. Class 39.
- Jubilee Manufacturing Company, Omaha, Nebr. Hydraulically operated automobile bumper jacks and cable-hook attachments. Serial No. 520,510, Feb. 3. Class 23.
- Kalin Brothers, Hawthorne, N. J. Venetian blinds. Serial No. 517,418, Feb. 3. Class 32.
- Kohl, Louis H., Luverne, Minn. Certain building protective device or shield, etc. Serial No. 516,141, Feb. 3. Class 12.
- L. & G. Manufacturing Co., Boston, Mass. Ear-muffs. Serial No. 519,534, Feb. 3. Class 39.
- Ladner, J. J., Poplarville, Miss. Poultry mixture for the prevention of parasites such as worms, mites, blue bugs, etc. Serial No. 514,824, Feb. 3. Class 6.
- Lancon Manufacturing Limited, Toronto, Ontario, Canada. Garter belts, girdles, and foundation garments. Serial Nos. 514,539-40, Feb. 3. Class 39.
- Lane, Limited, New York, N. Y. Cigarettes and smoking tobacco. Serial No. 522,541, Feb. 3. Class 17.
- Lane, Limited, New York, N. Y. Smoking tobacco and cigarettes. Serial No. 522,542, Feb. 3. Class 17.
- Lane, Limited, New York, N. Y. Smoking tobacco. Serial No. 524,710, Feb. 3. Class 17.
- Lee, Smith, Los Angeles, Calif. Slide rules. Serial Nos. 525,610-11, Feb. 3. Class 26.
- Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cleansing, night, and all-purpose creams. Serial No. 511,563, Feb. 3. Class 6.
- Lion Oil Company, El Dorado, Ark. Fertilizers. Serial No. 512,185, Feb. 3. Class 10.
- Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Piece goods of woolen, worsted, silk, etc. Serial No. 526,942, Feb. 3. Class 42.
- Luckhurst & Company, Inc., New York, N. Y. Publication. Serial No. 515,841, Feb. 3. Class 38.
- M and R Yuba City, Calif. Pneumatic tire machines for mounting and demounting pneumatic tires from the wheels and rims of vehicle wheels. Serial No. 513,124, Feb. 3. Class 23.
- Madsen Iron Works, Huntington Park, Calif. Mine cars, cargo trucks, and pipe trucks. Serial No. 527,714, Feb. 3. Class 19.
- Magee-Hale Park-O-Meter Corporation, Oklahoma City, Okla. Parking meters. Serial No. 520,637, Feb. 3. Class 26.
- Magnavox Company, The, Fort Wayne, Ind. Unitary electrically operated combination apparatus for the synchronous transmission. Serial No. 458,858, Feb. 3. Class 26.
- Magnus, E. D., & Associates, Inc., Chicago, Ill. Electric lighting fixtures and lamps. Serial No. 505,968, Feb. 3. Class 21.
- Mallinckrodt Chemical Works, St. Louis, Mo. Mixture of corrosive sublimate and hydrochloric acid. Serial No. 526,955, Feb. 3. Class 6.
- Mayer, Walter H., & Company, Chicago, Ill. Bed sheets, pillow cases, and sheeting material. Serial No. 530,012, Feb. 3. Class 42.
- Mazur, Paul M., New York, N. Y. Hand mechanical kitchen tools and utensils. Serial No. 513,126, Feb. 3. Class 23.
- Mine and Smelter Supply Company, The, Denver, Colo. Density control mechanism. Serial No. 462,689, Feb. 3. Class 26.

LIST OF TRADE-MARK APPLICANTS

Miners Foundry & Manufacturing Co.: See—
Ryp Manufacturing Company.
Modern Plastic Co., Los Angeles, Calif. Clothespins. Serial No. 511,753, Feb. 3. Class 24.
N. V. Purit Maatschappij ter vervaardiging van plantaardige ontkleuringskool, "Purit" Amsterdam, Netherlands. Vegetable decolorizing carbon. Serial No. 505,711, Feb. 3. Class 6.
Nation Mfg. Co., Inc., Nashville, Tenn. Coin-operated weighing machines. Serial No. 504,061, Feb. 3. Class 26.
National Casket Company, Incorporated, Oneida, N. Y. Embalming fluid. Serial Nos. 528,939-40, Feb. 3. Class 6.
Newark Jewelry Manufacturing Company, Newark, N. J. Jewelry. Serial No. 510,442, Feb. 3. Class 28.
Northwest Metal Products, Inc., Seattle, Wash. Oil floor furnaces. Serial No. 528,366, Feb. 3. Class 34.
Nunn Manufacturing Company, Evanston, Ill. Cable clamps. Serial No. 507,837, Feb. 3. Class 13.
Oakes & Company, Chicago, Ill. Rifles, shotguns, revolvers, etc. Serial No. 518,084, Feb. 3. Class 9.
Pacific American Fisheries, Inc., South Bellingham, Wash. Canned salmon. Serial No. 479,856, Feb. 3. Class 46.
Par-Metal Products Corp., New York and Long Island City, N. Y. Steel utility cans and standard steel cases. Serial No. 507,140, Feb. 3. Class 2.
Patterson, Norvin L., Chicago, Ill. Aspirin. Serial No. 524,617, Feb. 3. Class 6.
Peerless Laboratories, Dallas, Tex. Medicinal preparation used in the treatment of diseases of dogs. Serial No. 508,123, Feb. 3. Class 6.
Pepperell Manufacturing Company, Boston, Mass. Sheets, pillowcases, and blankets. Serial No. 529,935, Feb. 3. Class 42.
Pepperell Manufacturing Company, Boston, Mass. Blankets. Serial No. 530,251, Feb. 3. Class 42.
Premier Optical Products, Inc., New York, N. Y. Optical pillers. Serial No. 522,426, Feb. 3. Class 23.
Princess Pat, Ltd., Chicago, Ill. Rouge, lipstick, face powder, nail polish, perfume, and cologne. Serial No. 503,938, Feb. 3. Class 6.
Progressive Musical Instrument Corporation, New York, N. Y. Violin strings. Serial No. 514,293, Feb. 3. Class 36.
Pure Carbonic, Incorporated, New York, N. Y. Gas pressure control valves. Serial No. 511,578, Feb. 3. Class 13.
Rea, Newville F., doing business as Getsum Products, Sumner, Wash. Insecticide and fungicide. Serial No. 529,809, Feb. 3. Class 6.
Roller, Stephen H., New York, N. Y. Scythes and sickles. Serial No. 509,306, Feb. 3. Class 23.
Royal Mfg. Co. of Duquesne, Brooklyn, N. Y. Preparation containing testone (the male hormone, testosterone) for men's hair, applied to the scalp. Serial No. 509,039, Feb. 3. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Hardware Manufacturing Corporation, by Ace Manufacturing Corporation, Philadelphia, Pa. Knife and edge-tool sharpening machines. 173,207, Sept. 18, 1923. Republished Feb. 3. Class 23.
Ace Manufacturing Corporation: See—
Ace Hardware Manufacturing Corporation.
Adler Company, The: See—
Dormer Brother Company, The.
Advance Aluminum Castings Corp., Chicago, Ill. Pressure cookers, and cast aluminum cookware. 436,357, Feb. 3; Serial No. 512,557, published Nov. 4, 1947. Class 13.
Aeronautical Communications Equipment, Inc., Miami, Fla. Radio telephone and telegraph transmitting units and radio receiving and/or transmitting units and parts therefor. 436,376, Feb. 3; Serial No. 518,506, published Nov. 4, 1947. Class 21.
Alcon Metal Products, Inc., Chicago, Ill. Electric plugs, electric sockets, electric terminals, etc. 436,385, Feb. 3; Serial No. 521,421, published Nov. 4, 1947. Class 21.
Alpine Press, Inc., Newark, N. J. Monthly publication. 237,359, renewed Jan. 10, 1948. O. G. Feb. 3. Class 38.
American Cone & Pretzel Company: See—
Oakdale Baking Company.
American Fork and Hoe Company, The: See—
Macdonald, James F.
Skelton Shovel Company, Inc.
Withington and Cooley Mfg. Co.
American Fork and Hoe Company, The, Cleveland, Ohio. Hoes and agricultural hand implements. 188,962, Sept. 9, 1924. Republished Feb. 3. Class 23.
American Oil Company, The, Baltimore, Md. Oil filter cartridges. 436,360, Feb. 3; Serial No. 514,393, published Nov. 11, 1947. Class 23.
American Oil Company, The, Baltimore, Md. Oil filter cartridges. 436,363, Feb. 3; Serial No. 515,013, published Nov. 4, 1947. Class 23.

Ryp Manufacturing Company, also doing business as Miners Foundry & Manufacturing Co., Nevada City, Calif. Electric vegetable and fruit juice extractors. Serial No. 511,245, Feb. 3. Class 21.
Sanchis, Jose, Newark, N. J. Automatically operated dispensers. Serial No. 503,392, Feb. 3. Class 26.
Sayles Finishing Plants, Inc., Saylesville, R. I., and New York, N. Y. Piece goods of cotton, linen, silk, etc. Serial No. 527,372, Feb. 3. Class 42.
Sight Feed Generator Company, The, West Alexandria, Ohio. Gas welding wire and gas welding rod. Serial No. 505,525, Feb. 3. Class 14.
Soenksen, Edwin J., De Witt, Iowa. Gasoline power-driven grass and weed cutters. Serial No. 519,778, Feb. 3. Class 23.
Somis Lemon Association, Orndarf, Calif. Fresh citrus fruits. Serial No. 503,608, Feb. 3. Class 46.
Southern Welding and Machine Company, Charlottesville, Va. Earth scrapers. Serial No. 503,138, Feb. 3. Class 23.
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper and envelopes. Serial No. 482,227, Feb. 3. Class 37.
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper and envelopes. Serial No. 511,042, Feb. 3. Class 37.
Strauss, Royer & Strass, Inc., Baltimore, Md. Women's, misses', and children's dresses, shirts, shorts, etc. Serial No. 509,046, Feb. 3. Class 39.
Tanbro Fabrics Corp., New York, N. Y. Rayon, cotton, linen, etc., goods in piece. Serial No. 528,322, Feb. 3. Class 42.
Tardy, Suzanne, doing business as French Art Silk Creations Co., New York, N. Y. Piece goods. Serial No. 528,629, Feb. 3. Class 42.
Taylor, Bramley Company, The, Chicopee Falls, Mass. Infants' and children's clothing. Serial No. 531,394, Feb. 3. Class 39.
Universal Aircraft Products Co., Inc., New York, N. Y. Forks and bottle openers made of base metals. Serial No. 507,554, Feb. 3. Class 23.
Vacu-Dry Company, Oakland, Calif. Dessert preparations of dehydrated fruits with corn-starch, gelatin, etc. Serial No. 472,598, Feb. 3. Class 46.
Wanskuck Company, New York, N. Y., and Providence, R. I. Woven woolen and worsted fabrics in the piece. Serial No. 528,234, Feb. 3. Class 42.
Western Skiing, Inc., Los Angeles, Calif. Magazine. Serial No. 525,996, Feb. 3. Class 38.
Wieta, Donald W., New York, N. Y. Printed gift certificates. Serial No. 520,362, Feb. 3. Class 38.
Wilson, H. A., Company, The, Newark, N. Y. Platinum, platinum sheets, platinum bars, etc. Serial No. 512,945, Feb. 3. Class 14.
Write Incorporated, Bridgeport, Conn. Carbon paper and typewriter ribbons. Serial No. 529,329, Feb. 3. Class 11.

American Tool Works Company, The, Cincinnati, Ohio. Machines for making transparent plastic boxes. 436,390, Feb. 3; Serial No. 522,302, published Nov. 11, 1947. Class 23.
American Wine Company: See—
American Wine Co.
American Wine Co., by American Wine Company, St. Louis, Mo. Champagne and sparkling wine. 52,766, May 15, 1906. Republished Feb. 3. Class 47.
Anaconda Wire and Cable Company, New York, N. Y. Electric wires and cables. 436,382, Feb. 3; Serial No. 520,542, published Oct. 21, 1947. Class 21.
Anaconda Wire and Cable Company, New York, N. Y. Electric wires and cables. 436,383-4, Feb. 3; Serial Nos. 520,600-1, published Oct. 21, 1947. Class 21.
Andrew, Jno. Hy., & Co. Ltd., to Andrews Toledo Ltd., Sheffield, England. Steel in bar, rod, rail, etc. 65,490, re-renewed Oct. 8, 1947. O. G. Feb. 3. Class 14.
Andrew, Jno. Hy., & Co. Ltd., to Andrews Toledo Ltd., Sheffield, England. Machine knives, machine tools, twist drills, etc. 65,611, re-renewed Oct. 8, 1947. O. G. Feb. 3. Class 23.
Andrews Toledo Ltd.: See—
Andrew, Jno. Hy., & Co. Ltd.
Anticich Canning and Packing Company, The: See—
Biloxi Packing & Trading Co.
Appleton Electric Company, Chicago, Ill. Lock nuts, bushings, connectors, etc. 165,305, Mar. 6, 1923. Republished Feb. 3. Class 21.
Armor Oil & Chemical Company, by Thmec Company, Inc., Kansas City, Mo. Ready-mixed paints. 153,399, Mar. 21, 1922. Republished Feb. 3. Class 16.
Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Gaskets, washers and packing of cork, etc. 189,755, Sept. 23, 1924. Republished Feb. 3. Class 35.

LIST OF REGISTRANTS OF TRADE-MARKS

Arnel Company, Inc., The, New York, N. Y. Shower curtains. 436,392, Feb. 3; Serial No. 525,529, published Nov. 4, 1947. Class 13.
Associated Chemical Industries Inc., Portland, Maine. Steam operated electrically heated vaporizer. 436,361, Feb. 3; Serial No. 514,881, published Nov. 4, 1947. Class 21.
Associated Merchandising Corporation, New York, N. Y. Pressure cookers. 436,391, Feb. 3; Serial No. 524,677, published Nov. 4, 1947. Class 13.
Atkins, E. C., and Company, Indianapolis, Ind. Saws, saw swages, saw-fitting tools, etc. 184,460, May 27, 1924. Republished Feb. 3. Class 23.
Atlas-Ansonia Company, The, North Haven, Conn. Rope tighteners, combination garden rakes, and hoes, etc. 436,350, Feb. 3; Serial No. 510,155, published Nov. 4, 1947. Class 23.
Autocall Company, The, Shelby, Ohio. Apparatus and equipment for use in paging service, fire-alarm service, etc. 185,250, June 10, 1924. Republished Feb. 3. Class 21.
Automatic Control Engineers, Inc., Bedford, Ind. Electrical motors, generators, and speed controlling and frequency controlling devices. 436,372, Feb. 3; Serial No. 516,754, published May 13, 1947. Class 21.
Automatic Electric Company, Chicago, Ill. Battery chargers. 436,351, Feb. 3; Serial No. 510,473, published Nov. 4, 1947. Class 21.
B. G. Corporation, The, New York, N. Y. Ceramic products. 436,332, Feb. 3; Serial No. 504,875, published Nov. 4, 1947. Class 21.
Baker, O. D., Company, Boston, Mass. and New York, N. Y., by Holman-O. D. Baker Co. Inc., Boston, Mass. Mattresses, bed springs, pillows. 162,472, Dec. 19, 1922. Republished Feb. 3. Class 32.
Ballantine, P., & Sons, Newark, N. J. Ale, beer, porter, etc. 79,462, Sept. 13, 1910. Republished Feb. 3. Class 48.
Belden Manufacturing Company, Chicago, Ill. Magnet-wires. 147,924, Nov. 8, 1921. Republished Feb. 3. Class 21.
Belden Manufacturing Company, Chicago, Ill. Magnet-wires. 147,927, Nov. 8, 1921. Republished Feb. 3. Class 21.
Bemis Bro. Bag Company, St. Louis, Mo. Coated fabrics. 113,673, Oct. 31, 1916. Republished Feb. 3. Class 50.
Bemis Bro. Bag Co., Minneapolis, Minn. Bag closing machines, bag sealing machines and bag shakers. 436,381, Feb. 3; Serial No. 520,012, published Nov. 4, 1947. Class 23.
Bendix Aviation Corporation: See—
Bendix Brake Company.
Bendix Brake Company, Chicago, Ill., to Bendix Aviation Corporation, South Bend, Ind. Vehicle brakes and parts thereof and operating connections therefor. 214,284, renewed Jan. 5, 1948. O. G. Feb. 3. Class 19.
Benjamin Electric Manufacturing Company, Des Plaines, Ill. Electrical-lighting fixture units. 178,508, Jan. 15, 1924. Republished Feb. 3. Class 21.
Benjamin Electric Manufacturing Company, Chicago, Ill. Push-button switches. 190,654, Oct. 21, 1924. Republished Feb. 3. Class 21.
Benjamin Electric Manufacturing Company, Des Plaines, Ill. Enameled stamped metal table tops and kitchen shelves made wholly or partly of enameled steel. 190,857, Oct. 28, 1924. Republished Feb. 3. Class 13.
Blanchini, Ferrier, Lyons, France, to Blanchini Ferrier, Inc., New York, N. Y. Silk fabrics. 237,273, renewed Jan. 3, 1948. O. G. Feb. 3. Class 42.
Blanchini Ferrier, Inc.: See—
Blanchini, Ferrier.
Biloxi Packing & Trading Co., by The Anticich Canning and Packing Company, Inc., Biloxi, Miss. Canned shrimp and canned oysters. 175,394, Nov. 6, 1923. Republished Feb. 3. Class 46.
Biloxi Packing & Trading Co., by The Anticich Canning and Packing Company, Inc., Biloxi, Miss. Canned shrimp and canned oysters. 178,627, Jan. 15, 1924. Republished Feb. 3, 1948. Class 46.
Bingham Pump Company, Inc., Portland, Oreg. Centrifugal pumps. 436,308, Feb. 3; Serial No. 479,659, published Nov. 11, 1947. Class 23.
Bird, Mellen T., doing business as M. T. Bird & Co., by M. T. Bird & Co., Incorporated, Boston, Mass. Correspondence paper, correspondence cards, envelopes, etc. 174,425, Oct. 16, 1923. Republished Feb. 3, 1948. Class 37.
Bird, M. T., & Co.: See—
Bird, Mellen T.
Bird, M. T., & Co., Incorporated: See—
Bird, Mellen T.
Blue Anchor Beverage Company: See—
Friedrich, John.
Borden Company, The: See—
Merrell-Soule Company.
Bowyer, Ambrose, Chicago, Ill. Periodicals published monthly. 157,464, Aug. 8, 1922. Republished Feb. 3. Class 38.
Bradford Machine Tool Co., The, Cincinnati, Ohio. Electrically driven metal drilling machines. 436,352, Feb. 3; Serial No. 510,934, published Nov. 11, 1947. Class 23.

Bradley, Milton, Company, Springfield, Mass. Scissors. 436,364, Feb. 3; Serial No. 515,406, published Nov. 4, 1947. Class 23.
Bryant, Cuno R., Portland, Oreg. Account books and accounting forms. 234,029, renewed Oct. 18, 1927. O. G. Feb. 3. Class 37.
Burgess Battery Company, Madison, Wis., to Burgess Battery Company, Freeport, Ill. Electric batteries. 236,626, renewed Dec. 20, 1947. O. G. Feb. 3. Class 21.
Cab-ette Company, Inc., Danville, Ill. Canvas apron extending around the portion of a tractor which covers the engine housing. 436,330, Feb. 3; Serial No. 502,567, published Nov. 11, 1947. Class 23.
Campbell, Willard S., assignor to M & C Conveyors, Inc., Chicago, Ill. Equipment for use in the dairy industry. 436,331, Feb. 3; Serial No. 503,496, published Nov. 4, 1947. Class 23.
Cannon Valley Milling Co., by Cannon Valley Milling Co., Minneapolis, Minn. Wheat flour. 226,230, Apr. 5, 1927. Republished Feb. 3. Class 46.
Caron Corporation: See—
Daitroff, E., & Cie.
Carstens Packing Company, Tacoma, Wash. Fertilizer. 436,396, Feb. 3. Class 10.
Cellucotton Products Company, Neenah, Wis., by International Cellucotton Products Company, Chicago, Ill. Absorbent pads or sheets for infants' diapers. 190,517, Oct. 14, 1924. Republished Feb. 3. Class 39.
Central Paper Company, Menasha, Wis. Gummed paper. 159,309, Sept. 26, 1922. Republished Feb. 3. Class 37.
Chambersburg Engineering Company, Chambersburg, Pa. Drop hammers. 436,373, Feb. 3; Serial No. 516,889, published Nov. 4, 1947. Class 23.
Chandler & Price Company, The, Cleveland, Ohio. Printing presses and parts thereof. 166,810, Apr. 17, 1923. Republished Feb. 3. Class 23.
Chelsea Milling Company: See—
Schoening-Koenigsmark Milling Co.
Chemische Fabrik auf Actien (vorm. E. Schering.), Berlin, Germany, to Schering Corporation, Bloomfield, N. J. Medicinal preparation for the treatment of diabetes. 238,114, renewed Jan. 24, 1948. O. G. Feb. 3. Class 6.
Chicago Fuse Mfg. Co., Chicago, Ill., by Jefferson Electric Company, Bellwood, Ill. Enclosed electric fuses, fuse-links. 120,343, Feb. 5, 1918. Republished Feb. 3. Class 21.
Chicago Spring Butt Company, by Chicago Spring Hinge Company, Chicago, Ill. Hinges. 77,295, Mar. 29, 1910. Republished Feb. 3. Class 13.
Clarostat Mfg. Co. Inc., Brooklyn, N. Y. Attenuators, fixed resistors, slider resistors, etc. 436,323, Feb. 3; Serial No. 499,483, published Nov. 4, 1947. Class 21.
Colgate-Palmolive-Peet Company: See—
Palmolive-Peet Company, The.
Condensed Bluing Company, by The John Puhl Products Company, Chicago, Ill. Bluing. 155,652, June 6, 1922. Republished Feb. 3. Class 6.
Conrad Razor Blade Co. Inc., New York, N. Y. Razor blades. 436,335, Feb. 3; Serial No. 505,810, published Nov. 11, 1947. Class 23.
Corn Products Refining Company, New York, N. Y. Edible starch. 234,264, renewed Oct. 18, 1927. O. G. Feb. 3. Class 46.
Coshocton Glove Co., The, Coshocton, Ohio, to The Indianapolis Glove Company, Indianapolis, Ind. Gloves and mittens of fabric, leather, knitted materials, etc. 239,320, renewed Feb. 28, 1948. O. G. Feb. 3. Class 39.
Creamery Package Mfg. Company, The, Chicago, Ill. Dairy, creamery, milk-plant, cheese-factory, etc., machinery and appliances. 181,017-18, Mar. 11, 1924. Republished Feb. 3. Class 23.
Creamery Package Mfg. Company, The, Chicago, Ill. Dairy, creamery, milk-plant, cheese-factory, etc., appliances. 183,204-5, Apr. 22, 1924. Republished Feb. 3. Class 26.
Creamery Package Mfg. Company, The, Chicago, Ill. Dairy, creamery, milk-plant, ice-cream-factory, refrigerating-plant, etc., machinery and equipment. 186,350-1, July 8, 1924. Republished Feb. 3. Class 31.
Crown Zellerbach Corporation: See—
Hoberg Paper & Fibre Company.
National Paper Products Company.
Crutcher, Edwin, doing business as Golden Arrow Hosiery Mills, by Edwin Crutcher, doing business as Golden Art Hosiery Company, Nashville, Tenn. Hosiery. 175,733, Nov. 13, 1923. Republished Feb. 3. Class 39.
Cupples Company Manufacturers, St. Louis, Mo., by The Worthington Ball Company, Elyria, Ohio. Golf balls. 179,925, Feb. 19, 1924. Republished Feb. 3. Class 22.
Dalgger Corporation, The, Chicago, Ill. Substitutes for glycerin. 228,949, June 14, 1927. Republished Feb. 3. Class 6.
Daitroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, by Caron Corporation, New York, N. Y. Toilet water for bathing. 181,205, Mar. 18, 1924. Republished Feb. 3. Class 6.
Daitroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, by Caron Corporation, New York, N. Y. Perfume, toilet water, talcum powder. 182,585, Apr. 15, 1924. Republished Feb. 3. Class 6.

Darling & Company, Chicago, Ill. Prepared stock and poultry foods. 113,025, Oct. 10, 1916. Republished Feb. 3. Class 46.

Davies, G. D. M.: See—
Maengwyn-Davies, Gertrude D.

Decker, Alfred, & Cohn, by Society Brand Clothes, Inc., Chicago, Ill. Overcoats. 103,891, Apr. 20, 1915. Republished Feb. 3. Class 39.

Dixie Manufacturing Company: See—
Dixie Manufacturing Co. Inc.

Dixie Manufacturing Co. Inc., to Dixie Manufacturing Company, Jackson, Miss. Rubber patch for automobile tires, tubes, etc. 226,817, renewed Apr. 19, 1947. O. G. Feb. 3. Class 35.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 436,369, Feb. 3; Serial No. 516,137, published Oct. 28, 1947. Class 37.

Dixon, William, Incorporated, Newark, N. J. Files and saws. 436,366, Feb. 3; Serial No. 515,613, published Nov. 4, 1947. Class 23.

Doan Manufacturing Corporation, The, Cleveland, Ohio. Vibration and shock absorbing engine and transmission mounts. 436,328, Feb. 3; Serial No. 501,646, published Nov. 11, 1947. Class 23.

Dodge Manufacturing Corporation, Oneida, N. Y., by Dodge Manufacturing Corporation, Mishawaka, Ind. Shaft supports, shaft hangers, bearings, etc. 187,136, July 29, 1924. Republished Feb. 3. Class 23.

Dorner Brothers Company, The, by The Adler Company, Cincinnati, Ohio. Hosiery. 177,574, Dec. 18, 1923. Republished Feb. 3. Class 39.

Doyle, Joel G., doing business as Doyle Manufacturing Company, Kansas City, Mo. Rotary power lawn mowers. 436,327, Feb. 3; Serial No. 500,968, published Nov. 4, 1947. Class 23.

Doyle Manufacturing Company: See—
Doyle, Joel G.

Dumore Company, The: See—
Wisconsin Electric Company.

Duplex Fabrics Corporation, New York, N. Y. Rayon piece goods. 436,393, Feb. 3. Class 42.

Eagle Roller Mill Co., New Ulm, Minn. Flour. 225,824, Mar. 29, 1927. Republished Feb. 3. Class 46.

Economy Fuse and Manufacturing Company: See—
Economy Fuse and Manufacturing Co.

Economy Fuse and Manufacturing Co., by Economy Fuse and Manufacturing Company, Chicago, Ill. Fuses. 158,430, Sept. 5, 1922. Republished Feb. 3. Class 21.

Edges, Incorporated, Orange, N. J. Knives and knife blades. 436,341, Feb. 3; Serial No. 507,183, published Nov. 11, 1947. Class 23.

Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. 436,371, Feb. 3; Serial No. 516,262, published Nov. 4, 1947. Class 23.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. System-tonic to improve the appetite, to promote digestion, to regulate the action of the bowels, etc. 149,047, Dec. 6, 1921. Republished Feb. 3. Class 6.

Faximile, Inc., New York, N. Y. Transmitters and recorders. 436,395, Feb. 3. Class 21.

Feldston Ball Pen Co., Inc., New York, N. Y. Self-feeding pens and refills therefor. 436,368, Feb. 3; Serial No. 516,119, published Oct. 28, 1947. Class 37.

Florin, Philip, to Philip Florin Inc., New York, N. Y. Cardcases made of leather or reptile skins. 236,246, renewed Dec. 6, 1947. O. G. Feb. 3. Class 3.

Florin, Philip, Inc.: See—
Florin, Philip.

Food Machinery Corporation, San Jose, Calif. Apparatus for applying refrigerated sterilizing liquid to fruits and vegetables. 436,316, Feb. 3; Serial No. 493,750, published Nov. 11, 1947. Class 23.

Ford, Alfred, doing business as Hollywood Features, New York, N. Y. Cartoon strips. 436,354, Feb. 3; Serial No. 511,207, published Oct. 28, 1947. Class 38.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 235,462, renewed Nov. 22, 1947. O. G. Feb. 3. Class 37.

Fouke Fur Company, St. Louis, Mo. Furs, skins, hides, and pelts. 151,130, Jan. 24, 1922. Republished Feb. 3. Class 1.

Friedrich, John, by Blue Anchor Beverage Company, Philadelphia, Pa. Ginger ale, sarsaparilla, and root beer. 177,685, Dec. 25, 1923. Republished Feb. 3. Class 45.

Friedrich, John, by Blue Anchor Beverage Company, Philadelphia, Pa. Ginger ale, sarsaparilla, and root beer. 179,115, Feb. 5, 1924. Republished Feb. 3. Class 46.

General Aniline & Film Corporation: See—
I. G. Farbenindustrie Aktiengesellschaft.

General Ice Cream Corporation, Schenectady, N. Y. Ice cream and ices. 235,168-9, renewed Nov. 15, 1947. O. G. Feb. 3. Class 46.

Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. 436,365, Feb. 3; Serial No. 515,419, published Nov. 4, 1947. Class 23.

Golden Arrow Hosiery Mills: See—
Crutcher, Edwin.

Golden Art Hosiery Company: See—
Crutcher, Edwin.

Golden Nugget Sweets, by Golden Nugget Sweets Ltd., San Francisco, Calif. Fudge. 182,084, Apr. 1, 1924. Republished Feb. 3. Class 46.

Golden Nugget Sweets Ltd.: See—
Golden Nugget Sweets.

Gold Seal Products Company, Inc., Urbana, by Urbana Wine Company, Inc., Hammondsport, N. Y. Champagnes and wines. 157,962, Aug. 22, 1922. Republished Feb. 3. Class 47.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Dried, smoked, pickled, canned fish, etc. 233,943, renewed Oct. 11, 1927. O. G. Feb. 3. Class 46.

Greenfield Tap and Die Corporation: See—
Moback Tool & Machine Manufacturing Corporation.

Greenfield Tap and Die Corporation, Greenfield, Mass. Thread-cutting taps. 149,084, Dec. 6, 1921. Republished Feb. 3. Class 23.

Greenfield Tap and Die Corporation, Greenfield, Mass. Screw-cutting dies, taps, tapping attachments, etc. 149,933, Dec. 27, 1921. Republished Feb. 3. Class 23.

Greeting Card Industry, The, New York, N. Y. Newspaper feature or column. 436,367, Feb. 3; Serial No. 516,073, published Oct. 21, 1947. Class 38.

Hairy Peruvian Alfalfa Seed Growers Association, Yuma, Ariz., by Northrup, King & Co., Minneapolis, Minn. Alfalfa seed. 153,193, Mar. 14, 1922. Republished Feb. 3. Class 1.

Hamilton Associated Industries, Inc., Chicago, Ill. Radio receiving sets, and electric phonographs. 436,378, Feb. 3; Serial No. 519,657, published Nov. 4, 1947. Class 21.

Harco Products Company, Chicago, Ill. Tool carrying abrasive material. 436,325, Feb. 3; Serial No. 500,471, published Nov. 4, 1947. Class 23.

Harco Products Company, Chicago, Ill. Tool carrying abrasive material. 436,326, Feb. 3; Serial No. 500,473, published Nov. 4, 1947. Class 23.

Harnischfeger Corporation, Milwaukee, Wis. Electric traveling cranes, electric hoists, gantry cranes, etc. 227,637, May 10, 1927. Republished Feb. 3. Class 23.

Hartline Blotter Pen Company, Tampa, Fla. Fountain pen, roller blotters, and fountain pen parts. 231,492, renewed Aug. 23, 1947. O. G. Feb. 3. Class 37.

Hartmann Company: See—
Hartmann Trunk Company.

Hartmann Trunk Company, by Hartmann Company, Racine, Wis. Trunks. 161,950, Nov. 28, 1922. Republished Feb. 3. Class 3.

Heany Industrial Ceramic Corporation, Rochester, N. Y. Thread guides and strandier dies. 436,314, Feb. 3; Serial No. 485,443, published Nov. 11, 1947. Class 23.

Henderson, Peter, & Co., New York, N. Y. Agricultural and horticultural seeds. 66,183, re-renewed Nov. 12, 1947. O. G. Feb. 3. Class 1.

Henderson, Peter, & Co., New York, N. Y. Lawn mowers. 66,207, re-renewed Nov. 12, 1947. O. G. Feb. 3. Class 23.

Herlec Corporation, Milwaukee, Wis. Electrical amplifiers, electrical condensers, and electrical switches. 436,386, Feb. 3; Serial No. 521,449, published Nov. 4, 1947. Class 21.

Hewitt Soap Company, The: See—
Remmers Soap Company, The.

Hoberg Paper & Fibre Company, Green Bay, Wis., to Crown Zellerbach Corporation, San Francisco, Calif. Toilet paper. 234,041, renewed Oct. 18, 1947. O. G. Feb. 3. Class 37.

Hollywood Features: See—
Ford, Alfred.

Holman-O.D. Baker Co. Inc.: See—
Baker, O. D. Company.

Horst, E. Clemens, Co., San Francisco, Calif. Malt syrup. 227,575, May 10, 1927. Republished Feb. 3. Class 46.

Hot Kap Manufacturing Company: See—
Schindler, Walter R.

House Beautiful Curtains, Inc., New York, N. Y. Shower curtains. 436,336, Feb. 3; Serial No. 505,832, published Nov. 4, 1947. Class 13.

House Beautiful Curtains, Inc., New York, N. Y. Shower curtains. 436,337, Feb. 3; Serial No. 505,834, published Nov. 4, 1947. Class 13.

Howe & Fant, Inc., South Norwalk, Conn. Turrets. 436,345, Feb. 3; Serial No. 507,530, published Nov. 4, 1947. Class 23.

Hower, Harry C., by Vogue Rubber Company, Chicago, Ill. Pneumatic tires and tubes. 179,039, Feb. 5, 1924. Republished Feb. 3. Class 35.

Hull Coal and Coke Corporation, Roanoke, Va., by Red Jacket Coal Corporation, Columbus, Ohio. Coal and coke. 52,072, May 1, 1906. Republished Feb. 3. Class 1.

Hydropress, Incorporated, New York, N. Y. Die casting machines. 436,338, Feb. 3; Serial No. 506,530, published Nov. 11, 1947. Class 23.

I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main and Berlin, Germany, by General Aniline & Film Corporation, New York, N. Y. Cameras and parts therefor. 234,585, Nov. 1, 1927. Republished Feb. 3. Class 26.

Illinois Iron & Bolt Co.: See—
Star Manufacturing Company.

Inderrieden Canning Co., by The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 98,393, July 14, 1914. Republished Feb. 3. Class 46.

Inderrieden Canning Co., by The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 151,816, Feb. 14, 1922. Republished Feb. 3. Class 46.

Inderrieden, J. B., Co., The: See—
Inderrieden Canning Co.

Inderrieden Canning Company.

Indianapolis Glove Company, The: See—
Coshocton Glove Co., The.

Indianapolis Glove Company, Indianapolis, Ind. Gloves made of cotton flannel and leather. 237,798, renewed Jan. 17, 1948. O. G. Feb. 3. Class 39.

Industrial Brownhoist Corporation, Bay City, Mich. Trolleys, conveying machines; cranes, etc. 436,355, Feb. 3; Serial No. 512,260, published Nov. 4, 1947. Class 23.

International Cellucotton Products: See—
Cellucotton Products Company.

International Harvester Company, Chicago, Ill. Grain binders, rice binders, tractor binders, etc. 152,432-3, Feb. 28, 1922. Republished Feb. 3. Class 23.

International Harvester Company, Chicago, Ill. Grain binders, rice binders, tractor binders, etc. 179,631, Feb. 12, 1924. Republished Feb. 3. Class 23.

International Harvester Company, Chicago, Ill. Hardware. 436,307, Feb. 3; Serial No. 474,900, published Oct. 21, 1947. Class 13.

Japan Paper Company, to Japan Paper Company, Inc., New York, N. Y. Tissue paper. 239,313, renewed Feb. 28, 1948. O. G. Feb. 3. Class 37.

Japan Paper Company, Inc.: See—
Japan Paper Company.

Jefferson Electric Company: See—
Chicago Fuse Mfg. Co.

Jones, Thomas J., Anacoco, La. Preparation for the relief of rheumatism, sprains, and muscular strains. 436,398, Feb. 3. Class 6.

Kane Products, Inc., Shelton, Conn. Metal and plastic connectors and couplings. 436,347, Feb. 3; Serial No. 507,679, published Sept. 9, 1947. Class 13.

Karen Products, Inc., New York, N. Y. Pressure cookers. 436,353, Feb. 3; Serial No. 511,093, published Nov. 4, 1947. Class 13.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., to The May Department Stores Company, St. Louis, Mo. Cotton bed sheets, linen bed sheets, cotton pillow cases, and other named articles. 229,928, renewed July 12, 1947. O. G. Feb. 3. Class 42.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., to The May Department Stores Company, St. Louis, Mo. Washing machines. 230,531, renewed July 26, 1947. O. G. Feb. 3. Class 24.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., to The May Department Stores Company, St. Louis, Mo. Lawn seed. 236,179, renewed Dec. 6, 1947. O. G. Feb. 3. Class 1.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., to The May Department Stores Company, St. Louis, Mo. Cotton sheets, linen sheets, cotton pillowcases, etc. 236,359, renewed Dec. 13, 1947. O. G. Feb. 3. Class 42.

Keystone Steel & Wire Company, South Bartonville, Peoria, Ill. Bale ties. 234,403, renewed Oct. 25, 1947. O. G. Feb. 3. Class 13.

Keystone Steel & Wire Company, South Bartonville, Peoria, Ill. Wire fence. 238,257, renewed Jan. 31, 1948. O. G. Feb. 3. Class 13.

Kidde, Walter, & Company, Inc., Belleville, N. J. Fire extinguishing apparatus. 186,814, July 22, 1924. Republished Feb. 3. Class 23.

Kidde, Walter, & Company, Inc., Belleville, N. J. Fire detecting systems. 286,182, Aug. 18, 1931. Republished Feb. 3. Class 21.

Kidde, Walter, & Company, Inc., Belleville, N. J. Fire detecting systems. 305,484, Aug. 15, 1933. Republished Feb. 3. Class 21.

Kimberly-Clark Company, by Kimberly-Clark Corporation, Neenah, Wis. Absorbent wadding made of paper stock. 229,755, July 5, 1927. Republished Feb. 3. Class 37.

Kimberly-Clark Corporation: See—
Kimberly-Clark Company.

Kirk, James, S. & Company, Chicago, Ill., by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 152,444, Feb. 28, 1922. Republished Feb. 3. Class 4.

Kleinman Brothers, New York, N. Y. Neck chains, necklaces, bracelets, ankle chains and anklets. 436,379, Feb. 3; Serial No. 519,668, published Nov. 11, 1947. Class 28.

Lauts and Brady, Los Angeles, Calif. Metal serving trays and platters, griddle pans, etc. 436,319, Feb. 3; Serial No. 495,034, published Nov. 4, 1947. Class 13.

Leach Company, Oshkosh, Wis. Concrete mixers, paving mixers, portable saw rigs, etc. 183,853, May 6, 1924. Republished Feb. 3. Class 23.

Leyman Manufacturing Corporation, Cincinnati, Ohio. Reciprocating, centrifugal, and rotary pumps. 436,342, Feb. 3; Serial No. 507,265, published Nov. 11, 1947. Class 23.

Liberty & Co., Limited, London, England. Lawn, being cotton piece goods. 233,637, renewed Oct. 4, 1947. O. G. Feb. 3. Class 42.

Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco. 234,217, renewed Oct. 18, 1947. O. G. Feb. 3. Class 17.

Lightner, Larry, Inc.: See—
McDavitt, William E.

Lustra Corporation of America, New York, N. Y. Electric lighting fixtures. 436,358, Feb. 3; Serial No. 513,433, published Nov. 4, 1947. Class 21.

M & C Conveyors, Inc., assignee: See—
Campbell, Willard S.

Macdonald, James F., San Francisco, Calif., doing business as Jas. F. Macdonald Company, by the American Fork and Hoe Company, Cleveland, Ohio. Rakes. 181,918, Apr. 1, 1924. Republished Feb. 3. Class 23.

Macdonald, Jas. F., Company: See—
Macdonald, James F.

Maengwyn-Davies, Gertrude D., doing business as G. D. M. Davies, Chicago, Ill. Non-alcoholic, non-cereal, maltless beverages. 436,374, Feb. 3; Serial No. 516,965, published Oct. 28, 1947. Class 45.

Magnolia Metal Company, Elizabeth, N. J. Babbitt, bearing, and antifriction metals and alloys. 159,429, Sept. 26, 1922. Republished Feb. 3. Class 14.

Magnolia Metal Company, Elizabeth, N. J. Babbitt, bearing, and antifriction metals and alloys. 164,628, Feb. 20, 1923. Republished Feb. 3. Class 14.

Magnolia Metal Company, Elizabeth, N. J. Babbitt, bearing, and antifriction metals and alloys. 164,760, Feb. 27, 1923. Republished Feb. 3. Class 14.

Magnolia Metal Company, Elizabeth, N. J. Babbitt, bearing, and antifriction metals and alloys. 166,841, Apr. 17, 1923. Republished Feb. 3. Class 14.

Mallinckrodt Chemical Works, St. Louis, Mo. Product used for the treatment of skin diseases. 162,302, Dec. 12, 1922. Republished Feb. 3. Class 6.

Markle Featherlite Products Corporation, Rochester, Mich. Garden tools. 436,329, Feb. 3; Serial No. 502,072, published Nov. 11, 1947. Class 23.

Marmola Company, to Raladam Company, Detroit, Mich. Obesity remedies. 66,843, re-renewed Dec. 31, 1947. O. G. Feb. 3. Class 6.

Martin Engineering Company, assignor to Edwin F. Peterson, Kewanee, Ill. Pneumatic vibrating mechanism. 436,315, Feb. 3; Serial No. 485,639, published Nov. 4, 1947. Class 23.

Masterpiece Hosiery Mills, New York, N. Y., by Phoenix Hosiery Company, Milwaukee, Wis. Hosiery; underwear of knitted and textile fabric for men, women, and children; negligees, etc. 231,422, Aug. 16, 1927. Republished Feb. 3. Class 39.

May Department Store, The: See—
Kaufmann Department Store, Inc.

McDavitt Brothers: See—
McDavitt, William E.

McDavitt, William E., doing business as McDavitt Brothers, to Larry Lightner, Inc., Brownsville, Tex. Fresh vegetables. 227,601, renewed May 10, 1947. O. G. Feb. 3. Class 46.

Mead, M. A., & Company, Chicago, Ill. Watches, watch movements and watchcases. 151,542, Feb. 7, 1922. Republished Feb. 3. Class 27.

Mead Screw Products, Inc., Detroit, Mich., now by change of name to Multisizer Corporation, Power driven cultivator. 436,321, Feb. 3; Serial No. 498,852, published Nov. 4, 1947. Class 23.

Merrell-Soule Company, Syracuse, to The Borden Company, New York, N. Y. Lemon-ple filling. 236,427, renewed Dec. 13, 1947. O. G. Feb. 3. Class 46.

Meyer Chemical Company: See—
Meyer, Fred C.

Meyer, Fred C., doing business as Meyer Chemical Company, Sioux City, Iowa. Insecticides. 436,394, Feb. 3. Class 6.

Meyer, George D., doing business as Wholesale Petroleum Company, Cincinnati, Ohio. Scouring tool. 436,343, Feb. 3; Serial No. 507,267, published Nov. 11, 1947. Class 23.

Michael, David, & Co., by David Michael and Company, Incorporated, Philadelphia, Pa. Flavoring. 229,361, June 28, 1927. Republished Feb. 3. Class 46.

Michael, David, and Company, Incorporated: See—
Michael, David, & Co.

Midland Flour Milling Co., The, Kansas City, Mo. Wheat flour. 178,866, Jan. 29, 1924. Corrected. O. G. Feb. 3. Class 46.

Miller, Alton L., doing business as Charles N. Miller Co., by Charles N. Miller Co., Boston, Mass. Candles. 178,993, Feb. 5, 1924. Republished Feb. 3. Class 46.

Miller, Charles N.: See—
Miller, Alton L.

Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Semi-paste paints. 181,608, Mar. 25, 1924. Republished Feb. 3. Class 16.

Moback Tool & Machine Manufacturing Corporation, Boston, by Greenfield Tap and Die Corporation, Greenfield, Mass. Reamers. 166,033, Mar. 27, 1923. Republished Feb. 3. Class 23.

Motosacoe Societe Anonyme, Geneva, Switzerland. Internal combustion engines; apparatus for fluid low and high pressure remote controls. 436,306, Feb. 3; Serial No. 473,393, published Nov. 11, 1947. Class 23.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Stamped, pressed or drawn steel sinks; and sinks having a porcelain enamel coating thereon. 436,317, Feb. 3; Serial No. 493,974, published Nov. 4, 1947. Class 13.

Multisizer Corporation: See—
Mead Screw Products, Inc.

National Carbon Company, Inc., New York, N. Y. Electric dry cell batteries. 436,375, Feb. 3; Serial No. 517,860, published Nov. 4, 1947. Class 21.

National Paper Products Company, by Crown Zellerbach Corporation, San Francisco, Calif. Toilet paper, paper towels, paper-roll towels, etc. 184,246, May 20, 1924. Republished Feb. 3. Class 37.

Niles-Bement-Pond Company: See—
Pratt & Whitney Company.

North American Dye Corporation, Mount Vernon, N. Y. Dyes. 238,450, renewed Feb. 7, 1948. O. G. Feb. 3. Class 6.

Northrup, King & Co.: See—
Hairy Peruvian Alfalfa Seed Growers Association.

Northrup, King & Co., Minneapolis, Minn. Lawn-grass seed. 228,511, June 7, 1927. Republished Feb. 3. Class 1.

North Wayne Tool Co., Oakland, Maine. Scythes, grass-hooks, grass shears, etc. 436,344, Feb. 3; Serial No. 507,483, published Nov. 11, 1947. Class 23.

Oakdale Baking Company, to American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. 65,403, re-renewed Sept. 24, 1947. O. G. Feb. 3. Class 46.

Oakes & Company, Chicago, Ill. Motor lubricating oil. 436,356, Feb. 3; Serial No. 512,529, published Oct. 21, 1947. Class 15.

Palmolive-Peet Company, The, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 239,724, renewed Mar. 13, 1948. O. G. Feb. 3. Class 4.

Palmolive-Peet Company, The, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 239,731, renewed Mar. 13, 1948. O. G. Feb. 3. Class 4.

Palmolive-Peet Company, The, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Rouge, face powder, talcum powder, etc. 240,421, renewed Mar. 27, 1948. O. G. Feb. 3. Class 6.

Parfumerie Caron: See—
Daltroy, E., & Cie.

Parker Pen Company, The, Janesville, Wis. Fountain pens and mechanical pencils. 165,783, Mar. 20, 1923. Republished Feb. 3. Class 37.

Parker Pen Company, The, Janesville, Wis. Pens and pencils. 191,306, Nov. 4, 1924. O. G. Feb. 3. Class 37.

Parkersburg Rig and Reel Company, The, Parkersburg, W. Va. Derricks, walking beams, crown blocks, drilling machines, and sand reels. 233,888, renewed Oct. 11, 1947. O. G. Feb. 3. Class 23.

Parkersburg Rig and Reel Company, The, Parkersburg, W. Va. Storage tanks. 235,805, renewed Nov. 29, 1947. O. G. Feb. 3. Class 2.

Pemco Corporation: See—
Porcelain Enamel and Manufacturing Company of Baltimore, The.

Personna Blade Co., Inc., New York, N. Y. Razor blades, slicers, butcher knives, etc. 436,340, Feb. 3; Serial No. 507,019, published Nov. 4, 1947. Class 23.

Peter, Wm., Brewing Corp., The, Union City, N. J., Beer. 436,359, Feb. 3; Serial No. 514,387, published Oct. 28, 1947. Class 48.

Peterson, Edwin F., assignee: See—
Martin Engineering Company.

Phoenix Hosiery Company: See—
Masterpiece Hosiery Mills.

Pillsbury Mills, Inc.: See—
Pillsbury-Washburn Flour Mills Company, Ltd.

Pillsbury-Washburn Flour Mills Company, Ltd., to Pillsbury Mills, Inc., Minneapolis, Minn. Flour made from wheat. 45,182, Aug. 8, 1905. Republished Feb. 3. Class 46.

Pioneer Suspender Company, Philadelphia, Pa. Belt buckles of precious or in part precious metal. 178,780, Jan. 29, 1924. Republished Feb. 3. Class 28.

Porcelain Enamel and Manufacturing Company of Baltimore, The, to Pemco Corporation, Baltimore, Md. Furniture. 239,758, renewed Mar. 13, 1948. O. G. Feb. 3. Class 32.

Pratt & Whitney Company, New York, N. Y., by Niles-Bement-Pond Company, West Hartford, Conn. Dimension gauges and attachments therefor. 154,368, Apr. 11, 1922. Republished Feb. 3. Class 26.

Pratt & Whitney Company, New York, N. Y., by Niles-Bement-Pond Company, West Hartford, Conn. Caliper gauges, such as snap and pin gauges. 174,107, Oct. 2, 1923. Republished Feb. 3. Class 26.

Procter & Gamble Company, The: See—
Kirk, James S., & Company.

Procter & Gamble Company, The, Cincinnati, Ohio. Cooking fats. 147,672, Oct. 25, 1921. Republished Feb. 3. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Cooking fats. 147,810, Nov. 1, 1921. Republished Feb. 3. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Edible coconut oil. 148,218, Nov. 8, 1921. Republished Feb. 3. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Toilet and bath soap. 223,177, Jan. 18, 1927. Republished Feb. 3. Class 4.

Puhl, John, Products Company, The: See—
Condensed Bluing Company.

Rainville, F., Company, to F. Rainville Company, Grand Rapids, Mich. Belting. 228,491, renewed Apr. 12, 1947. O. G. Feb. 3. Class 35.

Raladam Company: See—
Marmola Company.

Ransey, A. H., and Sons, Inc., Miami, Fla. Sliding operating door unit. 436,334, Feb. 3; Serial No. 505,768, published Nov. 4, 1947. Class 13.

Ransome Concrete Machinery Company, New York, N. Y., and Dunellen, N. J., by Ransome Machinery Company, Dunellen, N. J. Concrete machines. 114,279, Dec. 8, 1916. Republished Feb. 3. Class 23.

Ransome Machinery Company: See—
Ransome Concrete Machinery Company.

Red Jacket Coal Corporation: See—
Hull Coal and Coke Corporation.

Red Jacket Consolidated Coal and Coke Company, Red Jacket, W. Va., by Red Jacket Coal Corporation, Columbus, Ohio. Coal and coke. 148,938, Nov. 29, 1921. Republished Feb. 3. Class 1.

Remmers Soap Company, The, Cincinnati, by The Hewitt Soap Company, Inc., Dayton, Ohio. Soap. 159,494, Sept. 26, 1922. Republished Feb. 3. Class 4.

Respro Inc., Cranston, R. I. Electric insulating material of unwoven fabric. 174,453, Oct. 16, 1923. Republished Feb. 3. Class 21.

Reverse Stitch Manufacturing Co., Whittier, Calif. Sewing machine attachments and parts. 436,377, Feb. 3; Serial No. 518,779, published Nov. 11, 1947. Class 23.

Robinson Syrup Company, Cairo, Ga. Table sirup. 233,423, renewed Sept. 27, 1947. O. G. Feb. 3. Class 46.

Rochester Paper Co., Rochester, Mich. Blotting paper. 239,163, renewed Feb. 21, 1948. O. G. Feb. 3. Class 37.

Roma Wine Company, Fresno, Calif., assignor to Schenley Distillers Corporation, New York, N. Y. Wine. 436,322, Feb. 3; Serial No. 499,286, published Oct. 28, 1947. Class 47.

Ross-Gould Company, St. Louis, Mo., by Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Filing receptacles in the nature of desk furniture. 150,547, Jan. 3, 1922. Republished Feb. 3. Class 2.

Rub-No-More Company, The, Fort Wayne, Ind., by The Procter & Gamble Company, Cincinnati, Ohio. Cleanser. 179,211, Feb. 5, 1924. Republished Feb. 3. Class 4.

Sand Springs Bottling Co., Tulsa, Okla. Maltless soft drinks and carbonated waters. 430,362, Feb. 3; Serial No. 514,995, published Oct. 28, 1947. Class 45.

Schaefer, F. & M., Brewing Company, The, Brooklyn, N. Y. Beer. 436,324, Feb. 3; Serial No. 499,732, published Nov. 4, 1947. Class 48.

Scheidt, Adam, Brewing Company, Norristown, Pa. Beer. 436,309, Feb. 3; Serial No. 481,438, published Oct. 28, 1947. Class 48.

Scheidt, Adam, Brewing Company, Norristown, Pa. Beer. 436,310, Feb. 3; Serial No. 481,586, published Oct. 28, 1947. Class 48.

Scheidt, Adam, Brewing Company, Norristown, Pa. Gingerale, birch beer, distilled water, etc. 436,311, Feb. 3; Serial No. 482,548, published Oct. 28, 1947. Class 45.

Scheidt, Adam, Brewing Company, Norristown, Pa. Malt extract for beverage purposes. 436,312, Feb. 3; Serial No. 482,549, published Oct. 28, 1947. Class 48.

Scheidt, Adam, Brewing Company, Norristown, Pa. Beverage. 436,313, Feb. 3; Serial No. 482,553, published Oct. 28, 1947. Class 48.

Schenley Distillers Corporation: See—
Roma Wine Company.

Schering Corporation: See—
Chemische Fabrik auf Actien (vorm. E. Schering).

Schindler, Walter R., by Hot Kap Manufacturing Company, Los Angeles, Calif. Seed and plant protectors. 183,702, May 6, 1924. Republished Feb. 3. Class 50.

Schloderberg, William-T. J. Kurlde Company, The, Baltimore, Md. Packers' products. 238,495, renewed Feb. 7, 1948. O. G. Feb. 3. Class 46.

Schoening-Koenigsmark Milling Co., Valmeyers, Ill., by Chelsea Milling Company, Chelsea, Mich. Self-rising wheat flour. 147,681, Oct. 25, 1921. Republished Feb. 3. Class 46.

Scripto, Inc., Atlanta, Ga. Pen points. 436,370, Feb. 3; Serial No. 516,151, published Oct. 28, 1947. Class 37.

Selby Shoe Company, The, Portsmouth, Ohio. Shoes constructed of leather or partly of leather. 237,167, renewed Jan. 3, 1948. O. G. Feb. 3. Class 39.

Sengbusch Self-Closing Inkstand Company: See—
Ross-Gould Company.

Shore Machine Corporation, New York, N. Y. Ice cream and similar soft material dishers and scoops. 436,320, Feb. 3; Serial No. 496,524, published Nov. 11, 1947. Class 23.

Sinclair, H. M., Jr., trustee: See—
Sinclair Manufacturing Company, The.

Sinclair Manufacturing Company, The, by H. M. Sinclair, Jr., trustee for the partnership, The Sinclair Manufacturing Company, Toledo, Ohio. Powdered lye. 134,906, Sept. 14, 1920. Republished Feb. 3. Class 6.

Skelton Shovel Company, Inc., Dunkirk, N. Y., by The American Fork and Hoe Company, Cleveland, Ohio. Shovels and shadles. 185,955, July 1, 1924. Republished Feb. 3. Class 23.

Skelton Shovel Company, Inc., Dunkirk, N. Y., by The American Fork and Hoe Company, Cleveland, Ohio. Shovels and shadles. 185,969, July 1, 1924. Republished Feb. 3. Class 23.

Skinner Manufacturing Company, Omaha, Nebr. Food product. 238,703, renewed Feb. 14, 1948. O. G. Feb. 3. Class 46.

Society Brand Clothes, Inc.: See—
Decker, Alfred & Cohn.

Southwestern Milling Company Inc., The, New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat flour. 176,617, Nov. 27, 1923. Republished Feb. 3. Class 46.

Southwestern Milling Company, Inc., The, New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat flour. 223,720, Feb. 8, 1927. Republished Feb. 3. Class 46.

Spring Hinge Company: See—
Chicago Spring Butt Company.

Squillante, Vincent J., Inc., New York, N. Y. Wines. 436,346, Feb. 3; Serial No. 507,546, published Oct. 28, 1947. Class 47.

Standard Corset Company, The, New York, N. Y., to The Standard Corset Company, Holyoke, Mass. Corsets, girdles, corsetlets, etc. 234,726, renewed Nov. 1, 1947. O. G. Feb. 3. Class 39.

Standard Milling Company: See—
Southwestern Milling Company, Inc., The.

Star Brush Manufacturing Co. Inc., Brooklyn, N. Y., to Star Brush Manufacturing Co. Inc., Boston, Mass. Brushes. 232,104, renewed Aug. 30, 1947. O. G. Feb. 3. Class 29.

Star Manufacturing Company, by Illinois Iron & Bolt Co., Carpentersville, Ill. Plow and lister shares, and stock parts or shapes therefor. 185,954, July 1, 1924. Republished Feb. 3. Class 23.

Stevens, Jordan, Company, Minneapolis, Minn. Canned fruits, canned vegetables, coffee, etc. 238,865, renewed Feb. 14, 1948. O. G. Feb. 3. Class 46.

Stewart-Warner Corporation, Chicago, Ill. Radio receiving sets. 436,389, Feb. 3; Serial No. 521,989, published Nov. 4, 1947. Class 21.

Stromeyer, J., Company: See—
Stromeyer & Metzger.

Stromeyer & Metzger, by J. Stromeyer Company, Philadelphia, Pa. Table-syrup made from sugar-cane. 46,054, Sept. 5, 1905. Republished Feb. 3. Class 46.

Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y., to Sweet-Orr & Co., Inc., New York, N. Y. Work clothing. 238,811, renewed Feb. 14, 1948. O. G. Feb. 3. Class 39.

Swift, B. & P., Limited, London, England. Electro-mechanical apparatus. 436,318, Feb. 3; Serial No. 494,982, published Mar. 11, 1947. Class 21.

Symington-Gould Corporation, The: See—
Symington, T. H., Company, The.

Symington, T. H., Company, The, New York and Rochester, N. Y., by The Symington-Gould Corporation, Rochester, N. Y. Journal boxes for railway vehicles, truck side frames, draft rigging parts. 186,307, July 8, 1924. Republished Feb. 3. Class 19.

Tnemec Company, Inc.: See—
Armor Oil & Chemical Company.

Traford Fabrics, Inc., New York, N. Y. Rayon, nylon, and cotton fabrics. 436,397, Feb. 3. Class 42.

Tubbs Cordage Company, San Francisco, Calif. Rope made from fiber. 170,596, July 17, 1923. Republished Feb. 3. Class 7.

Union Metal Manufacturing Company, The, Canton, Ohio. Pile driving heads and cushion blocks and adapter rings therefor. 436,389, Feb. 3; Serial No. 506,711, published Nov. 11, 1947. Class 23.

Union Vacuum Stores, Chicago, Ill. Electric vacuum cleaners. 436,388, Feb. 3; Serial No. 521,771, published Nov. 4, 1947. Class 21.

United Aircraft Products, Inc., Dayton, Ohio. Hydraulic jacks. 436,387, Feb. 3; Serial No. 521,703, published Nov. 4, 1947. Class 23.

United Lace & Braid Company: See—
United Lace & Braid Mfg. Co.

United Lace & Braid Mfg. Co., by United Lace & Braid Company, Cranston, R. I. Shoe lacings, underwear lacings, blouse lacings, galloons, and braids, all of which are made of linen, cotton, silk, or worsted. 175,097, Oct. 30, 1923. Republished Feb. 3. Class 40.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap. 177,559, Dec. 18, 1923. Republished Feb. 3. Class 4.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Insecticides. 188,507, Aug. 26, 1924. Republished Feb. 3. Class 6.

United States Shoe Corporation, The: See—
Wise, Robert, Company, The.

Urbana Wine Company, Inc.: See—
Gold Seal Products Company, Inc.

Viking Manufacturing Company, Manhattan, Kans. Hammer mills, corn shellers and shredders, etc. 436,348, Feb. 3; Serial No. 508,396, published Nov. 11, 1947. Class 23.

Vogue Rubber Company: See—
Hower, Harry C.

Weyenberg Shoe Mfg. Co., Milwaukee, Wis. Men's, boys', youths', and little gents' all-leather shoes, including rubber-heeled shoes. 182,054, Apr. 1, 1924. Republished Feb. 3. Class 39.

White-Haines Optical Company, The, Columbus, Ohio. Spectacle frames. 228,429-30, May 31, 1927. Republished Feb. 3. Class 26.

White-Haines Optical Company, The, Columbus, Ohio. Spectacle frames. 280,098, July 12, 1927. Republished Feb. 3. Class 26.

Wholesale Petroleum Company: See—
Meyer, George D.

Wielog Company: See—
Wielog, Dave W.

Wielog, Dave W., doing business as Wielog Company, Eldorado, Ark. Non-electric, metal cooking utensils. 436,333, Feb. 3; Serial No. 505,722, published Nov. 4, 1947. Class 13.

Wilfred Laboratories, Inc., New York, N. Y. Toilet preparations. 233,556, renewed Oct. 4, 1947. O. G. Feb. 3. Class 6.

Willard Storage Battery Company, Cleveland, Ohio. Storage and dry batteries and parts thereof. 436,349, Feb. 3; Serial No. 509,314, published Nov. 4, 1947. Class 21.

Wilson Fastener Company, The, Cleveland, Ohio. Lingerie clasps. 183,384, Apr. 29, 1924. Republished Feb. 3. Class 28.

Wisconsin Electric Company, by The Dumore Company, Racine, Wis. Lubricating oils. 241,782, May 8, 1928. Republished Feb. 3. Class 15.

Wise, Robert, Company, The, by The United States Shoe Corporation, Cincinnati, Ohio. Shoes made of leather, and also of combinations of leather and fabric. 151,287, Jan. 24, 1922. Republished Feb. 3. Class 39.

Withington and Cooley Mfg. Co., Jackson, Miss., by The American Fork and Hoe Company, Cleveland, Ohio. Hay, manure, and other farm and garden forks. 36,308, Apr. 23, 1901. Republished Feb. 3. Class 23.

Worthington Ball Company, The: See—
Cupples Company Manufacturers.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 89,787, Jan. 7, 1913. Republished Feb. 3. Class 22.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 181,142, Mar. 11, 1924. Republished Feb. 3. Class 22.

Worthington Mower Company, Stroudsburg, Pa. Grass cutting equipment. 436,305, Feb. 3; Serial No. 457,429, published Nov. 11, 1947. Class 23.

Worthington Pump and Machinery Corporation, The: See—
Worthington Pump and Machinery Corporation.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Liquid meters, piston meters, disk meters, etc. 153,081, Mar. 7, 1922. Republished Feb. 3. Class 26.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Pumping machinery; pumps; etc. 166,717, Apr. 10, 1923. Republished Feb. 3. Class 23.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Air and gas pumps and compressors. 261,958, Sept. 24, 1929. Republished Feb. 3. Class 23.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Steam condensers, steam-condensing apparatus, steam accumulators, etc. 262,800, Oct. 22, 1929. Republished Feb. 3. Class 34.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Power-transmission machinery. 271,724, June 17, 1930. Republished Feb. 3. Class 23.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Rock drills, rock hammers, sinkers, etc. 297,730, Sept. 27, 1932. Republished Feb. 3. Class 23.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Rock drills, rock hammers, sinkers, etc. 298,408, Oct. 25, 1932. Republished Feb. 3. Class 23.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Rock drills, rock hammers, sinkers, etc. 298,822, Nov. 8, 1932. Republished Feb. 3. Class 23.

Worthington Pump and Machinery Corporation, assignor to The Worthington Pump and Machinery Corporation, by Worthington Pump and Machinery Corporation, Harrison, N. J. Ferrous metal in pigs, metal castings, and forgings. 346,331, May 25, 1937. Republished Feb. 3. Class 14.

Worthington Pump and Machinery Corporation, Harrison, N. J. Sheaves and pulleys. 403,470, Sept. 28, 1932. Republished Feb. 3. Class 23.

X-Acto Crescent Products, Inc., New York, N. Y. Knives. 401,167, Apr. 27, 1943. Corrected. O. G. Feb. 3. Class 23.

Zamax Manufacturing Co., Inc., Haverstraw, N. Y. Hydraulic vehicle jack. 436,380, Feb. 3; Serial No. 520,007, published Nov. 4, 1947. Class 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal and coke. Hull Coal and Coke Corporation. 52,072, May 1, 1906. Republished Feb. 3.
Coal and coke. Red Jacket Consolidated Coal and Coke Company. 148,938, Nov. 29, 1921. Republished Feb. 3.
Furs, skins, hides, and pelts. Fouke Fur Company. 151,130, Jan. 24, 1922. Republished Feb. 3.
Seed, Alfalfa. Hairy Peruvian Alfalfa Seed Growers Association. 153,193, Mar. 14, 1922. Republished Feb. 3.
Seed, Lawn. Kaufmann Department Stores, Inc. 236,179, renewed Dec. 6, 1947. O. G. Feb. 3.
Seed, Lawn-grass. Northrup, King & Co. 228,511, Jan. 7, 1927. Republished Feb. 3.
Seeds, Agricultural and horticultural. Peter Henderson & Co. 66,183, re-renewed Nov. 12, 1947. O. G. Feb. 3.

CLASS 2

Filling receptacles in the nature of desk furniture. Ross-Gould Company. 150,547, Jan. 3, 1922. Republished Feb. 3.
Tanks, Storage. Parkersburg Rig and Reel Company. 235,805, renewed Nov. 29, 1947. O. G. Feb. 3.

CLASS 3

Cardcases made of leather or reptile skins. P. Florin. 236,246, renewed Dec. 6, 1947. O. G. Feb. 3.
Trunks. Hartmann Trunk Company. 161,950, Nov. 28, 1922. Republished Feb. 3.

CLASS 4

Cleanser. Rub-No-More Company. 179,211, Feb. 5, 1924. Republished Feb. 3.
Soap. James S. Kirk & Company. 152,444, Feb. 28, 1922. Republished Feb. 3.
Soap. Palmolive-Peet Company. 239,724, renewed Mar. 13, 1948. O. G. Feb. 3.
Soap. Palmolive-Peet Company. 239,731, renewed Mar. 13, 1948. O. G. Feb. 3.
Soap. Remmers Soap Company. 159,494, Sept. 26, 1922. Republished Feb. 3.
Soap. U. S. Sanitary Specialties Corporation. 177,559, Dec. 18, 1923. Republished Feb. 3.
Soap. Toilet and bath. Procter & Gamble Company. 223,177, Jan. 18, 1927. Republished Feb. 3.

CLASS 6

Bluing. Condensed Bluing Company. 155,652, June 6, 1922. Republished Feb. 3.
Dyes. North American Dye Corporation. 238,450, renewed Feb. 7, 1948. O. G. Feb. 3.
Insecticides. F. C. Meyer. 436,394, Feb. 3.
Insecticides. U. S. Sanitary Specialties Corporation. 188,507, Aug. 26, 1924. Republished Feb. 3.
Lye. Powdered. Sinclair Manufacturing Company. 134,806, Sept. 14, 1920. Republished Feb. 3.
Medicinal preparation for the treatment of diabetes. Chemische Fabrik auf Actien (vorm. E. Schering). 238,114, renewed Jan. 24, 1948. O. G. Feb. 3.
Perfume, toilet water, talcum powder. E. Daltroff & Cie. 182,585, Apr. 15, 1924. Republished Feb. 3.
Preparation for the relief of rheumatism, sprains, and muscular strains. T. J. Jones. 436,398, Feb. 3.
Product used for the treatment of skin diseases. Mallinckrodt Chemical Works. 162,302, Dec. 12, 1922. Republished Feb. 3.
Remedies, Obesity. Marmola Company. 66,843, re-renewed Dec. 31, 1947. O. G. Feb. 3.
Rouge, face powder, talcum powder, etc. Palmolive-Peet Company. 240,421, renewed Mar. 27, 1948. O. G. Feb. 3.
Substitutes for glycerin. Daigler Corporation. 228,949, June 14, 1927. Republished Feb. 3.
System- tonic to improve the appetite, to promote digestion, to regulate the action of the bowels, etc. Dr. Peter Fahrney & Sons Co. 149,047, Dec. 6, 1921. Republished Feb. 3.
Toilet preparations. Wilfred Laboratories, Inc. 233,556, renewed Oct. 4, 1947. O. G. Feb. 3.
Toilet water for bathing. E. Daltroff & Cie. 181,205, Mar. 18, 1924. Republished Feb. 3.

CLASS 7

Rope made from fiber. Tubbs Cordage Company. 170,596, July 17, 1923. Republished Feb. 3.

CLASS 10

Fertilizer. Carstens Packing Company. 436,396, Feb. 3.

CLASS 13

Connectors and couplings, Metal and plastic. Kane Products, Inc. 436,347, Feb. 3; Serial No. 507,679, published Sept. 9, 1947.

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Cookers, Pressure. Associated Merchandising Corporation. 436,391, Feb. 3; Serial No. 524,677, published Nov. 4, 1947.
Cookers, Pressure. Karen Products, Inc. 436,353, Feb. 3; Serial No. 511,093, published Nov. 4, 1947.
Cookers, Pressure, and cast aluminum cookware. Advance Aluminum Castings Corp. 436,357, Feb. 3; Serial No. 512,557, published Nov. 4, 1947.
Door unit, Sliding operating. A. H. Ransey and Sons, Inc. 436,334, Feb. 3; Serial No. 505,768, published Nov. 4, 1947.
Fence, Wire. Keystone Steel & Wire Company. 238,257, renewed Jan. 31, 1948. O. G. Feb. 3.
Hardware. International Harvester Company. 436,307, Feb. 3; Serial No. 474,900, published Oct. 21, 1947.
Hinges. Chicago Spring Butt Company. 77,295, Mar. 29, 1910. Republished Feb. 3.
Shower curtains. Arnel Company, Inc. 436,392, Feb. 3; Serial No. 525,529, published Nov. 4, 1947.
Shower curtains. House Beautiful Curtains, Inc. 436,336, Feb. 3; Serial No. 505,832, published Nov. 4, 1947.
Shower curtains. House Beautiful Curtains, Inc. 436,337, Feb. 3; Serial No. 505,834, published Nov. 4, 1947.
Sinks; and sinks having a porcelain enamel coating thereon, Stamped, pressed or drawn steel. Mullins Manufacturing Corporation. 436,317, Feb. 3; Serial No. 493,974, published Nov. 4, 1947.
Table tops and kitchen shelves made wholly or partly of enameled steel, Enameled stamped metal. Benjamin Electric Manufacturing Company. 190,857, Oct. 28, 1924. Republished Feb. 3.
Ties, Bale. Keystone Steel & Wire Company. 234,403, renewed Oct. 25, 1947. O. G. Feb. 3.
Trays and platters, griddle pans, etc., Metal serving. Launs and Brady. 436,319, Feb. 3; Serial No. 495,034, published Nov. 4, 1947.
Utensils, Non-electric, metal cooking. D. W. Wiegell. 436,333, Feb. 3; Serial No. 505,722, published Nov. 4, 1947.

CLASS 14

Babbitt, bearing, and antifriction metals and alloys. Magnolia Metal Company. 159,429, Sept. 26, 1922. Republished Feb. 3.
Babbitt, bearing, and antifriction metals and alloys. Magnolia Metal Company. 164,628, Feb. 20, 1923. Republished Feb. 3.
Babbitt, bearing, and antifriction metals and alloys. Magnolia Metal Company. 164,760, Feb. 27, 1923. Republished Feb. 3.
Babbitt, bearing, and antifriction metals and alloys. Magnolia Metal Company. 166,841, Apr. 17, 1923. Republished Feb. 3.
Metal in pigs, metal castings, and forgings. Ferrous. Worthington Pump and Machinery Corporation. 346,331, May 25, 1937. Republished Feb. 3.
Steel in bar, rod, rail, etc. Jno. Hy. Andrew & Co. Ltd. 65,490, re-renewed Oct. 8, 1947. O. G. Feb. 3.

CLASS 15

Oil, Motor lubricating. Oakes & Company. 436,356, Feb. 3; Serial No. 512,529, published Oct. 21, 1947.
Oils, Lubricating. Wisconsin Electric Company. 241,782, May 8, 1928. Republished Feb. 3.

CLASS 16

Paints, Ready-mixed. Armor Oil & Chemical Company. 153,399, Mar. 21, 1922. Republished Feb. 3.
Paints, Semi-paste. Minnesota Linseed Oil Paint Co. 181,608, Mar. 25, 1924. Republished Feb. 3.

CLASS 17

Tobacco, Smoking and chewing. Liggett & Myers Tobacco Company. 234,217, renewed Oct. 18, 1947. O. G. Feb. 3.

CLASS 19

Brakes and parts thereof and operating connections therefor, Vehicle. Bendix Brake Company. 214,284, renewed Jan. 6, 1948. O. G. Feb. 3.
Journal boxes for railway vehicles, truck side frames, draft-rigging parts. T. H. Symington Company. 186,307, July 8, 1924. Republished Feb. 3.

CLASS 21

Apparatus and equipment for use in paging service, fire-alarm service, etc. Autocall Company. 185,250, June 10, 1924. Republished Feb. 3.
Attenuators, fixed resistors, slider resistors, etc. Clarostat Mfg. Co. Inc. 436,323, Feb. 3; Serial No. 499,483, published Nov. 4, 1947.
Batteries and parts thereof, Storage and dry. Willard Storage Battery Company. 436,349, Feb. 3; Serial No. 509,314, published Nov. 4, 1947.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

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Batteries, Electric. Burgess Battery Company. 236,626, renewed Dec. 20, 1947. O. G. Feb. 3.
Batteries, Electric dry cell. National Carbon Company, Inc. 436,375, Feb. 3; Serial No. 517,800, published Nov. 4, 1947.
Battery chargers. Automatic Electric Company. 436,351, Feb. 3; Serial No. 510,473, published Nov. 4, 1947.
Ceramic products. B. G. Corporation. 436,332, Feb. 3; Serial No. 504,875, published Nov. 4, 1947.
Electrical amplifiers, electrical condensers, and electrical switches. Herlec Corporation. 436,386, Feb. 3; Serial No. 521,449, published Nov. 4, 1947.
Electro-mechanical apparatus. B. & P. Swift Limited. 436,318, Feb. 3; Serial No. 494,982, published Mar. 11, 1947.
Fire detecting systems. Walter Kidde & Company, Inc. 286,182, Aug. 18, 1931. Republished Feb. 3.
Fire detecting systems. Walter Kidde & Company, Inc. 305,484, Aug. 15, 1933. Republished Feb. 3.
Fixture units, Electrical-lighting. Benjamin Electric Manufacturing Company. 178,508, Jan. 15, 1924. Republished Feb. 3.
Fixtures, Electric lighting. Lustra Corporation of America. 436,358, Feb. 3; Serial No. 513,433, published Nov. 4, 1947.
Fuses. Economy Fuse and Manufacturing Co. 158,430, Sept. 5, 1922. Republished Feb. 3.
Fuses, fuse-links, Enclosed electric. Chicago Fuse Mfg. Co. 120,843, Feb. 5, 1918. Republished Feb. 3.
Insulating material of unwoven fabric, Electric. Respro Inc. 174,452, Oct. 16, 1923. Republished Feb. 3.
Magnet-wires. Belden Manufacturing Company. 147,924, Nov. 8, 1921. Republished Feb. 3.
Magnet-wires. Belden Manufacturing Company. 147,927, Nov. 8, 1921. Republished Feb. 3.
Motors, generators, and speed controlling and frequency controlling devices, Electrical. Automatic Control Engineers, Inc. 436,372, Feb. 3; Serial No. 516,754, published May 13, 1947.
Nuts, bushings, connectors, etc., Lock. Appleton Electric Company. 165,305, Mar. 6, 1923. Republished Feb. 3.
Plugs, electric sockets, electric terminals, etc., Electric. Alcon Metal Products, Inc. 436,385, Feb. 3; Serial No. 521,421, published Nov. 4, 1947.
Radio receiving sets. Stewart-Warner Corporation. 436,389, Feb. 3; Serial No. 521,989, published Nov. 4, 1947.
Radio receiving sets, and electric phonographs. Hamilton Associated Industries, Inc. 436,378, Feb. 3; Serial No. 519,657, published Nov. 4, 1947.
Radio telephone and telegraph transmitting units and radio receiving and/or transmitting units and parts therefor. Aeronautical Communications Equipment, Inc. 436,376, Feb. 3; Serial No. 518,506, published Nov. 4, 1947.
Switches, Push-button. Benjamin Electric Manufacturing Company. 190,654, Oct. 21, 1924. Republished Feb. 3.
Transmitters and recorders. Faximile, Inc. 436,395, Feb. 3.
Vacuum cleaners, Electric. Union Vacuum Stores. 436,388, Feb. 3; Serial No. 521,771, published Nov. 4, 1947.
Vaporizer, Steam operated electrically heated. Associated Chemical Industries Inc. 436,361, Feb. 3; Serial No. 514,881, published Nov. 4, 1947.
Wires and cables, Electric. Anaconda Wire and Cable Company. 436,382, Feb. 3; Serial No. 520,542, published Oct. 21, 1947.
Wires and cables, Electric. Anaconda Wire and Cable Company. 436,383-4, Feb. 3; Serial Nos. 520,600-1, published Oct. 21, 1947.

CLASS 22

Golf balls. Cupples Company Manufacturers. 179,925, Feb. 19, 1924. Republished Feb. 3.
Golf balls. Worthington Ball Company. 89,787, Jan. 7, 1913. Republished Feb. 3.
Golf balls. Worthington Ball Company. 181,142, Mar. 11, 1924. Republished Feb. 3.

CLASS 23

Apparatus for applying refrigerated sterilizing liquid to fruits and vegetables. Food Machinery Corporation. 436,316, Feb. 3; Serial No. 493,750, published Nov. 11, 1947.
Apron extending around the portion of a tractor which covers the engine housing, Canvas. Cab-ette Company, Inc. 436,330, Feb. 3; Serial No. 502,557, published Nov. 11, 1947.
Binders, rice binders, tractor binders, etc., Grain. International Harvester Company. 152,432-3, Feb. 28, 1922. Republished Feb. 3.
Binders, rice binders, tractor binders, etc., Grain. International Harvester Company. 179,631, Feb. 12, 1924. Republished Feb. 3.
Blades, slicers, butcher knives, etc., Razor. Personna Blade Co., Inc. 436,340, Feb. 3; Serial No. 507,019, published Nov. 4, 1947.
Closing machines, bag sealing machines, and bag shakers. Bag. Bemis Bro. Bag Co. 436,381, Feb. 3; Serial No. 520,012, published Nov. 4, 1947.

Concrete machines. Ransome Concrete Machinery Company. 114,279, Dec. 5, 1916. Republished Feb. 3.
Concrete mixers, paving mixers, portable saw rigs, etc. Leach Company. 183,853, May 6, 1924. Republished Feb. 3.
Cranes, electric hoists, gantry cranes, etc., Electric traveling. Harnischfeger Corporation. 227,637, May 10, 1927. Republished Feb. 3.
Cultivator, Power driven. Mead Screw Products, Inc. 436,321, Feb. 3; Serial No. 498,852, published Nov. 4, 1947.
Derricks, walking beams, crown blocks, drilling machines, and sand reels. Parkersburg Rig and Reel Company, The. 233,888, renewed Oct. 11, 1947. O. G. Feb. 3.
Die casting machines. Hydropress, Incorporated. 436,338, Feb. 3; Serial No. 506,530, published Nov. 11, 1947.
Dies, taps, tapping attachments, etc., Screw-cutting. Greenfield Tap and Die Corporation. 149,933, Dec. 27, 1921. Republished Feb. 3.
Dishers and scoops, Ice cream and similar soft material. Shore Machine Corporation. 436,320, Feb. 3; Serial No. 496,524, published Nov. 11, 1947.
Drilling machines, Electrically driven metal. Bradford Machine Tool Co. 436,352, Feb. 3; Serial No. 510,934, published Nov. 11, 1947.
Drills, rock hammers, sinkers, etc., Rock. Worthington Pump and Machinery Corporation. 297,730, Sept. 27, 1932. Republished Feb. 3.
Drills, rock hammers, sinkers, etc., Rock. Worthington Pump and Machinery Corporation. 298,408, Oct. 25, 1932. Republished Feb. 3.
Drills, rock hammers, sinkers, etc., Rock. Worthington Pump and Machinery Corporation. 298,822, Nov. 8, 1932. Republished Feb. 3.
Driving heads and cushion blocks and adapter rings therefor. Pile. Union Metal Manufacturing Company. 436,339, Feb. 3; Serial No. 506,711, published Nov. 11, 1947.
Engine and transmission mounts, Vibration and shock absorbing. Doan Manufacturing Corporation. 436,328, Feb. 3; Serial No. 501,646, published Nov. 11, 1947.
Equipment for use in the dairy industry. W. S. Campbell. 436,331, Feb. 3; Serial No. 503,496, published Nov. 4, 1947.
Files and saws. William Dixon, Incorporated. 436,366, Feb. 3; Serial No. 515,613, published Nov. 4, 1947.
Filter cartridges, Oil. American Oil Company. 436,363, Feb. 3; Serial No. 515,013, published Nov. 4, 1947.
Fire extinguishing apparatus. Walter Kidde & Company, Inc. 186,814, July 22, 1924. Republished Feb. 3.
Forks, Hay, manure, and other farm and garden. Withington and Cooley Mfg. Co. 36,308, Apr. 23, 1901. Republished Feb. 3.
Grass cutting equipment. Worthington Mower Company. 436,305, Feb. 3; Serial No. 457,429, published Nov. 11, 1947.
Hammer mills, corn shellers and shredders, etc. Viking Manufacturing Company. 436,348, Feb. 3; Serial No. 508,396, published Nov. 11, 1947.
Hammers, Drop. Chambersburg Engineering Company. 436,373, Feb. 3; Serial No. 516,889, published Nov. 4, 1947.
Hoes and agricultural hand implements. American Fork & Hoe Company. 188,962, Sept. 9, 1924. Republished Feb. 3.
Hydraulic jacks. United Aircraft Products, Inc. 436,387, Feb. 3; Serial No. 521,703, published Nov. 4, 1947.
Hydraulic vehicle jack. Zamax Manufacturing Co., Inc. 436,380, Feb. 3; Serial No. 520,007, published Nov. 4, 1947.
Internal combustion engines; apparatus for fluid low and high pressure remote controls. Motosacoche Société Anonyme. 436,306, Feb. 3; Serial No. 473,393, published Nov. 11, 1947.
Knife and edge-tool sharpening machines. Ace Hardware Manufacturing Corporation. 173,207, Sept. 18, 1923. Republished Feb. 3.
Knives. X-Acto Crescent Products, Inc. 401,167, Apr. 27, 1943. Corrected. O. G. Feb. 3.
Knives and knife blades. Edges, Incorporated. 436,341, Feb. 3; Serial No. 507,183, published Nov. 11, 1947.
Knives, machine tools, twist drills, etc., Machine. Jno. Hy. Andrew & Co. Ltd. 65,611, re-renewed Oct. 8, 1947. O. G. Feb. 3.
Lawn mowers, Rotary power. Joel G. Doyle. 436,327, Feb. 3; Serial No. 500,968, published Nov. 4, 1947.
Machinery and appliances, Dairy, creamery, milk-plant, cheese-factory, etc. Creamery Package Mfg. Company. 181,017-18, Mar. 11, 1924. Republished Feb. 3.
Machines for making transparent plastic boxes. American Tool Works Company. 436,390, Feb. 3; Serial No. 522,302, published Nov. 11, 1947.
Mowers, Lawn. Peter Henderson & Co. 66,207, re-renewed Nov. 12, 1947. O. G. Feb. 3.
Oil filter cartridges. American Oil Company. 436,360, Feb. 3; Serial No. 514,393, published Nov. 11, 1947.
Plow and lister shares, and stock parts or shapes therefor. Star Manufacturing Company. 185,954, July 1, 1924. Republished Feb. 3.
Pneumatic vibrating mechanism. Martin Engineering Company. 436,315, Feb. 3; Serial No. 485,639, published Nov. 4, 1947.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Power-transmission machinery. Worthington Pump and Machinery Corporation. 271,724, June 17, 1930. Republished Feb. 3.

Presses and parts thereof, Printing. Chandler & Price Company. 166,810, Apr. 17, 1923. Republished Feb. 3.

Pumping machinery; pumps, etc. Worthington Pump and Machinery Corporation. 166,717, Apr. 10, 1923. Republished Feb. 3.

Pumps and compressors, Air and gas. Worthington Pump and Machinery Corporation. 261,958, Sept. 24, 1929. Republished Feb. 3.

Pumps, Centrifugal. Bingham Pump Company, Inc. 436,308, Feb. 3; Serial No. 479,659, published Nov. 11, 1947.

Pumps, Reciprocating, centrifugal, and rotary. Leyman Manufacturing Corporation. 436,342, Feb. 3; Serial No. 507,265, published Nov. 11, 1947.

Rakes. J. F. Macdonald. 181,918, Apr. 1, 1924. Republished Feb. 3.

Razor blades. Conrad Razor Blade Co. Inc. 436,335, Feb. 3; Serial No. 505,810, published Nov. 11, 1947.

Razors and safety razor blades, Safety. Gillette Safety Razor Company. 436,365, Feb. 3; Serial No. 515,419, published Nov. 4, 1947.

Reamers. Mobaek Tool & Machine Manufacturing Corporation. 166,033, Mar. 27, 1923. Republished Feb. 3.

Rope tighteners, combination garden rakes and hoes, etc. Atlas-Ansonia Company. 436,350, Feb. 3; Serial No. 510,155, published Nov. 4, 1947.

Saws, saw swages, saw-fitting tools, etc. E. C. Atkins and Company. 184,460, May 27, 1924. Republished Feb. 3.

Scissors. Milton Bradley Company. 436,364, Feb. 3; Serial No. 515,406, published Nov. 4, 1947.

Scythes, grass-hooks, grass shears, etc. North Wayne Tool Co. 436,344, Feb. 3; Serial No. 507,483, published Nov. 11, 1947.

Sewing machine attachments and parts. Reverse Stitch Manufacturing Co. 436,377, Feb. 3; Serial No. 518,779, published Nov. 11, 1947.

Shaft supports, shaft handers, bearings, etc. Dodge Manufacturing Corporation. 187,136, July 29, 1924. Republished Feb. 3.

Sheaves and pulleys. Worthington Pump and Machinery Corporation. 403,470, Sept. 28, 1943. Republished Feb. 3.

Shovels and spades. Skelton Shovel Company, Inc. 185,955, July 1, 1924. Republished Feb. 3.

Shovels and spades. Skelton Shovel Company, Inc. 185,969, July 1, 1924. Republished Feb. 3.

Taps, Thread-cutting. Greenfield Tap and Die Corporation. 149,084, Dec. 6, 1921. Republished Feb. 3.

Thread guides and strandier dies. Heany Industrial Ceramic Corporation. 436,314, Feb. 3; Serial No. 485,443, published Nov. 11, 1947.

Tool carrying abrasive material. Harco Products Company. 436,325, Feb. 3; Serial No. 500,471, published Nov. 4, 1947.

Tool carrying abrasive material. Harco Products Company. 436,326, Feb. 3; Serial No. 500,473, published Nov. 4, 1947.

Tool, Scouring. G. D. Meyer. 436,343, Feb. 3; Serial No. 507,267, published Nov. 11, 1947.

Tools and utensils, Kitchen and household. Ekco Products Company. 436,371, Feb. 3; Serial No. 516,262, published Nov. 4, 1947.

Tools, Garden. Markle Featherlite Products Corporation. 436,329, Feb. 3; Serial No. 502,072, published Nov. 11, 1947.

Trolleys, conveying machines; cranes, etc. Industrial Brownhoist Corporation. 436,355, Feb. 3; Serial No. 512,260, published Nov. 4, 1947.

Turrets. Howe & Fant, Inc. 436,345, Feb. 3; Serial No. 507,530, published Nov. 4, 1947.

CLASS 24

Washing machines. Kaufmann Department Stores, Inc. 230,531, renewed July 26, 1947. O. G. Feb. 3.

CLASS 26

Appliances, Dairy, creamery, milk-plant, cheese-factory, etc. Creamery Package Mfg. Company. 183,204-5, Apr. 22, 1924. Republished Feb. 3.

Cameras and parts thereof. I. G. Farbenindustrie Aktiengesellschaft. 234,585, Nov. 1, 1927. Republished Feb. 3.

Frames, Spectacle. White-Haines Optical Company. 228,429-30, May 31, 1927. Republished Feb. 3.

Frames, Spectacle. White-Haines Optical Company. 230,098, July 12, 1927. Republished Feb. 3.

Gauges and attachments thereof, Dimension. Pratt & Whitney Company. 154,368, Apr. 11, 1922. Republished Feb. 3.

Gauges, such as snap and pin gauges, Caliper. Pratt & Whitney Company. 174,107, Oct. 2, 1923. Republished Feb. 3.

Meters, piston meters, disk meters, Liquid. Worthington Pump and Machinery Corporation. 153,071, Mar. 7, 1922. Republished Feb. 3.

CLASS 27

Watches, watch movements, and watch-cases. M. A. Mead & Company. 151,542, Feb. 7, 1922. Republished Feb. 3.

CLASS 28

Buckles of precious or in part precious metal, Belt. Pioneer Suspender Company. 178,780, Jan. 29, 1924. Republished Feb. 3.

Chains, necklaces, bracelets, ankle chains and anklets, Neck. Kleinman Brothers. 436,379, Feb. 3; Serial No. 519,668, published Nov. 11, 1947.

Clasps, Lingerie. Wilson Fastener Company. 183,384, Apr. 29, 1924. Republished Feb. 3.

CLASS 29

Brushes. Star Brush Manufacturing Co. Inc. 232,104, renewed Aug. 30, 1947. O. G. Feb. 3.

CLASS 31

Machinery and equipment, Dairy creamery, milk-plant, refrigerating-plant. Creamery Package Mfg. Company. 186,350-1, July 8, 1924. Republished Feb. 3.

CLASS 32

Furniture. Porcelain Enamel and Manufacturing Company of Baltimore. 239,758, renewed Mar. 13, 1948. O. G. Feb. 3.

Mattresses, bed springs, pillows. O. D. Baker Company. 162,472, Dec. 19, 1922. Republished Feb. 3.

CLASS 34

Condensers, steam-condensing apparatus, steam accumulators, etc. Steam. Worthington Pump and Machinery Corporation. 262,800, Oct. 22, 1929. Republished Feb. 3.

CLASS 35

Belting. F. Ranville Company. 226,491, renewed Apr. 12, 1947. O. G. Feb. 3.

Gaskets, washers and packing of Cork. Armstrong Coak Company. 189,755, Sept. 23, 1924. Republished Feb. 3.

Patch for automobile tires, tubes, etc. Rubber. Dixie Manufacturing Co. Inc. 226,817, renewed Apr. 19, 1947. O. G. Feb. 3.

Tires and tubes, Pneumatic. H. C. Hower. 179,039, Feb. 5, 1924. Republished Feb. 3.

CLASS 37

Books and accounting forms, Account. C. R. Bryant. 234,029, renewed Oct. 18, 1947. O. G. Feb. 3.

Paper, Blotting. Rochester Paper Co. 239,163, renewed Feb. 21, 1948. O. G. Feb. 3.

Paper, correspondence cards, envelopes, etc., Correspondence. M. T. Bird. 174,425, Oct. 16, 1923. Republished Feb. 3.

Paper, Gummed. Central Paper Company. 159,309, Sept. 26, 1922. Republished Feb. 3.

Paper, paper towels, paper napkins, etc., Toilet. Fort Howard Paper Company. 235,462, renewed Nov. 22, 1947. O. G. Feb. 3.

Paper, paper towels, paper-roll towels, etc., Toilet. National Paper Products Company. 184,246, May 20, 1924. Republished Feb. 3.

Paper, Tissue. Japan Paper Company. 239,313, renewed Feb. 28, 1948. O. G. Feb. 3.

Paper, Toilet. Hoberg Paper & Fibre Company. 234,041, renewed Oct. 18, 1947. O. G. Feb. 3.

Pen points. Scripto, Inc. 436,370, Feb. 3; Serial No. 516,151, published Oct. 28, 1947.

Pen, roller blotters, and fountain pen parts, Fountain. Hartline Blotter Pen Company. 231,492, renewed Aug. 23, 1947. O. G. Feb. 3.

Pens and mechanical pencils, Fountain. Parker Pen Company. 165,783, Mar. 20, 1923. Republished Feb. 3.

Pens and pencils. Parker Pen Company. 191,306, Nov. 4, 1924. Republished Feb. 3.

Pens and refills thereof, Self-feeding. Fieldston Ball Pen Co. Inc. 436,368, Feb. 3; Serial No. 516,119, published Oct. 28, 1947.

Pencils, Lead. Joseph Dixon Crucible Company. 436,369, Feb. 3; Serial No. 516,137, published Oct. 28, 1947.

Wadding made of paper stock, Absorbent. Kimberly-Clark Company. 229,755, July 5, 1927. Republished Feb. 3.

CLASS 38

Cartoon strips. A. Ford. 436,354, Feb. 3; Serial No. 511,207, published Oct. 28, 1947.

Newspaper feature or column. Greeting Card Industry. 436,367, Feb. 3; Serial No. 516,073, published Oct. 21, 1947.

Periodicals published monthly. A. Bowyer. 157,464, Aug. 8, 1922. Republished Feb. 3.

Publication, Monthly. Alpine Press, Inc. 237,359, renewed Jan. 10, 1948. O. G. Feb. 3.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 39

Absorbent pads or sheets for infants' diapers. Cellucotton Products Company. 190,517, Oct. 14, 1924. Republished Feb. 3.

Clothing, Work. Sweet-Orr & Co., Inc. 238,811, renewed Feb. 14, 1948. O. G. Feb. 3.

Corsets, girdles, corselets, etc. Standard Corset Company. 234,726, renewed Nov. 1, 1947. O. G. Feb. 3.

Gloves and mittens of fabric, leather, knitted material, etc. Coshocton Glove Co. 239,320, renewed Feb. 28, 1948. O. G. Feb. 3.

Gloves made of cotton flannel and leather. Indianapolis Glove Company. 237,798, renewed Jan. 17, 1948. O. G. Feb. 3.

Hosiery. E. Crutcher. 175,733, Nov. 13, 1923. Republished Feb. 3.

Hosiery. Dormer Brothers Company. 177,574, Dec. 18, 1923. Republished Feb. 3.

Hosiery; underwear of knitted and textile fabric for men, women, and children; negligees, etc. Masterpiece Hosiery Mills. 231,422, Aug. 16, 1927. Republished Feb. 3.

Overcoats. Alfred Decker & Cohn. 103,891, Apr. 20, 1915. Republished Feb. 3.

Shoes constructed of leather or partly of leather. Selby Shoe Company. 237,167, renewed Jan. 3, 1948. O. G. Feb. 3.

Shoes, including rubber-heeled shoes, Men's, boys', youths' and little girls' all-leather. Weyenberg Shoe Mfg. Co. 182,054, Apr. 1, 1924. Republished Feb. 3.

Shoes made of leather, and also of combinations of leather and fabric. Robert Wise Company. 151,287, Jan. 24, 1922. Republished Feb. 3.

CLASS 40

Lacings, underwear lacings, blouse lacings, galloons, and braids, all of which are made of linen, cotton, silk, or worsted, Shoe. United Lace & Braid Mfg. Co. 175,097, Oct. 30, 1923. Republished Feb. 3.

CLASS 42

Fabrics, Rayon, nylon, and cotton. Traford Fabrics, Inc. 436,397, Feb. 3.

Fabrics, Silk. Blachini Ferier. 237,273, renewed Jan. 3, 1948. O. G. Feb. 3.

Piece goods, Lawn, being cotton. Liberty & Co., Limited. 233,637, renewed Oct. 4, 1947. O. G. Feb. 3.

Piece goods, Rayon. Duplex Fabrics Corporation. 436,393, Feb. 3.

Sheets, linen bed sheets, cotton pillow cases, and other named articles. Cotton bed. Kaufmann Department Stores, Inc. 229,928, renewed July 12, 1948. O. G. Feb. 3.

Sheets, linen sheets, cotton pillowcases, etc., Cotton. Kaufmann Department Stores, Inc. 236,359, renewed Dec. 13, 1947. O. G. Feb. 3.

CLASS 45

Beverages, Non-alcoholic, non-cereal, maltless. G. D. Maengwyn-Davies. 436,374, Feb. 3; Serial No. 516,965, published Oct. 28, 1947.

Ginger ale, birch beer, distilled water, etc. Adam Scheidt Brewing Company. 436,311, Feb. 3; Serial No. 482,548, published Oct. 28, 1947.

Ginger ale, sarsaparilla, and root beer. J. Friedrich. 177,685, Dec. 25, 1923. Republished Feb. 3.

Ginger ale, sarsaparilla, and root beer. J. Friedrich. 179,115, Feb. 5, 1924. Republished Feb. 3.

Maltless soft drinks and carbonated waters. Sand Springs Bottling Co. 436,382, Feb. 3; Serial No. 514,995, published Oct. 28, 1947.

CLASS 46

Candles. A. L. Miller. 178,993, Feb. 5, 1924. Republished Feb. 3.

Canned fruits, canned vegetables, coffee, etc. Jordan Stevens Company. 238,865, renewed Feb. 14, 1948. O. G. Feb. 3.

Canned shrimp and canned oysters. Biloxi Packing & Trading Co. 175,394, Nov. 6, 1923. Republished Feb. 3.

Canned shrimp and canned oysters. Biloxi Packing & Trading Co. 178,627, Jan. 15, 1924. Republished Feb. 3.

Canned vegetables. Inderrieden Canning Company. 98,393, July 14, 1914. Republished Feb. 3.

Canned vegetables. Inderrieden Canning Co. 151,816, Feb. 14, 1922. Republished Feb. 3.

Cocoanut oil, Edible. Procter and Gamble Company. 148,218, Nov. 8, 1921. Republished Feb. 3.

Fats, Cooking. Procter and Gamble Company. 147,672, Oct. 25, 1921. Republished Feb. 3.

Fats, Cooking. Procter and Gamble Company. 147,810, Nov. 1, 1921. Republished Feb. 3.

Fish, dried, smoked, pickled, etc. and canned. Gorton-Pew Fisheries Company, Ltd. 233,943, renewed Oct. 11, 1947. O. G. Feb. 3.

Flavoring. David Michael & Co. 229,361, June 28, 1927. Republished Feb. 3.

Flour. Eagle Roller Mill Co. 225,824, Mar. 29, 1927. Republished Feb. 3.

Flour made from wheat. Pillsbury-Washburn Flour Mills Company, Ltd. 45,182, Aug. 8, 1905. Republished Feb. 3.

Flour, Self-rising wheat. Schoening-Koenigsmark Milling Co. 147,681, Oct. 25, 1921. Republished Feb. 3.

Flour, Wheat. Cannon Valley Milling Company. 226,230, Apr. 5, 1927. Republished Feb. 3.

Flour, Wheat. Midland Flour Milling Co. 178,866, Jan. 29, 1924. Corrected. O. G. Feb. 3.

Flour, Wheat. Southwestern Milling Company Inc. 176,617, Nov. 27, 1923. Republished Feb. 3.

Flour, Wheat. Southwestern Milling Company, Inc. 223,720, Feb. 8, 1927. Republished Feb. 3.

Food product. Skinner Manufacturing Company. 238,703, renewed Feb. 14, 1948. O. G. Feb. 3.

Foods, Prepared stock and poultry. Darling & Company. 113,025, Oct. 10, 1916. Republished Feb. 3.

Fudge. Golden Nugget Sweets. 182,084, Apr. 1, 1924. Republished Feb. 3.

Ice cream and ices. General Ice Cream Corporation. 235,168-9, renewed Nov. 15, 1947. O. G. Feb. 3.

Lemon-ple filling. Merrell-Soule Company. 236,427, renewed Dec. 13, 1947. O. G. Feb. 3.

Packers' products. William Schlunderberg-T. J. Kurdle Company. 238,495, renewed Feb. 7, 1948. O. G. Feb. 3.

Pretzels. Oakdale Baking Company. 65,403, re-renewed Sept. 24, 1947. O. G. Feb. 3.

Syrup, Table. Robinson Syrup Company. 233,423, renewed Sept. 27, 1947. O. G. Feb. 3.

Starch. Edible. Corn Products Refining Company. 234,264, renewed Oct. 18, 1947. O. G. Feb. 3.

Syrup, Malt. E. Clemens Horst Co. 227,575, May 10, 1927. Republished Feb. 3.

Table-syrup made from sugar-cane. Stromeyer & Metzger. 46,054, Sept. 5, 1905. Republished Feb. 3.

Vegetables, Fresh. W. E. McDavitt. 227,601, renewed May 10, 1947. O. G. Feb. 3.

CLASS 47

Champagne or sparkling wine. American Wine Company. 52,766, May 15, 1906. Republished Feb. 3.

Champagnes and wines. Gold Seal Products Company, Inc. 157,962, Aug. 22, 1922. Republished Feb. 3.

Wine. Roma Wine Company. 436,322, Feb. 3; Serial No. 499,286, published Oct. 28, 1947.

Wines. Vincent J. Squillante, Inc. 436,346, Feb. 3; Serial No. 507,546, published Oct. 28, 1947.

CLASS 48

Ale, beer, porter, etc. P. Ballantine & Sons. 79,462, Sept. 13, 1910. Republished Feb. 3.

Beer. Wm. Peter Brewing Corp. 436,359, Feb. 3; Serial No. 514,387, published Oct. 28, 1947.

Beer. F. & M. Schaefer Brewing Company. 436,324, Feb. 3; Serial No. 499,732, published Nov. 4, 1947.

Beer. Adam Scheidt Brewing Company. 436,309, Feb. 3; Serial No. 481,438, published Oct. 28, 1947.

Beer. Adam Scheidt Brewing Company. 436,310, Feb. 3; Serial No. 481,488, published Oct. 28, 1947.

Beverage. Adam Scheidt Brewing Company. 436,313, Feb. 3; Serial No. 482,553, published Oct. 28, 1947.

Malt extract for beverage purposes. Adam Scheidt Brewing Company. 436,312, Feb. 3; Serial No. 482,549, published Oct. 28, 1947.

CLASS 50

Fabrics, Coated. Bemis Bro. Bag Company. 113,673, Oct. 31, 1916. Republished Feb. 3.

Protectors, Seed and plant. W. R. Schindler. 183,702, May 6, 1924. Republished Feb. 3.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Katz, Sam, New York, N. Y. Stay-down shirt. Re.
22,969, Feb. 3.

LIST OF PLANT PATENTEES

Bosley, Edith C., assignee: See—
Crane, Jasper E.

Crane, Jasper E., Wilmington, Del., assignor to E. C.
Bosley, Mentor, Ohio. Rose plant. 783, Feb. 3.

LIST OF DESIGN PATENTEES

A M I Incorporated, assignee: See—
Reincke, Jean O.
American Coach & Body Company, The, assignee: See—
Holan, James H., Jr., and Troche.
Atkin, Kenneth C., assignor to Clarke Sanding Machine
Company, Muskegon, Mich. Rotary disc surface finish-
ing machine. 148,514, Feb. 3.
Bausenbach, Arthur E., Buffalo, N. Y. Jumping stick.
148,515, Feb. 3.
Brilhart, Arnold, Ltd., assignee: See—
Galehouse, Clark F.
Bristol Manufacturing Corporation, assignee: See—
Campagna, Michele.
Bristol Steel & Iron Works, Inc., assignee: See—
Ferguson, Robert O.
Brogan, Frank, Cincinnati, Ohio. Automobile. 148,516,
Feb. 3.
Brooks, Charles, Glendale, Calif. Bird figure or similar
article. 148,517, Feb. 3.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio
Corporation. Radio cabinet. 148,518, Feb. 3.
Campagna, Michele, assignor to Bristol Manufacturing Cor-
poration, Bristol, R. I. Athletic shoe or the like.
148,519, Feb. 3.
Carter, George I., Longmeadow, assignor to Harvey-
Whipple, Incorporated, Springfield, Mass. Housing for
air conditioning apparatus or the like. 148,520, Feb. 3.
Chain Belt Company, assignee: See—
Hilkemeier, Louis G.
Hilkemeier, Louis G., and Knab.
Clarke Sanding Machine Company, assignee: See—
Atkin, Kenneth C.
Clist, Albert D., Purdy, N. Y. Scatter rug or similar
article of manufacture. 148,521, Feb. 3.
Coca-Cola Company, The, assignee: See—
Loewy, Raymond.
Conger, Clyde R., San Francisco, Calif. Doll swing.
148,522, Feb. 3.
Coro, Inc., assignee: See—
Katz, Adolph.
Daon, Rene, assignor to Yankee Metal Products Corp.,
Norwalk, Conn. Automobile rear view mirror and sup-
port therefor. 148,523, Feb. 3.
Dean, John M., assignor to The General Phonograph Manu-
facturing Company, Putnam, Conn. Stylus point sup-
port for phonographs. 148,524, Feb. 3.
Dubin, Rubin M., Los Angeles, Calif. Combination con-
fectioners' and bakers' mixer and cooker. 148,525,
Feb. 3.
E. A. Laboratories, Inc., assignee: See—
Hutcheson, Ray R.
Fairchild Engine & Airplane Corporation, assignee: See—
Thieblot, Armand J.
Fauteux, Henri A., Jr., Ottawa, Ontario, Canada. Clothes-
pin. 148,526, Feb. 3.
Federal Manufacturing & Engineering Corp., assignee:
See—
Kaplowitz, Morris.
Ferar, Montgomery: See—
Sundberg, Carl W., and Ferar.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half
to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic
signal. 148,527, Feb. 3.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half
to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic
signal. 148,528, Feb. 3.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to
Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic
signal. 148,529, Feb. 3.
Flander, Alfred J., Trumbull, assignor to Weidlich Bros.
Manufacturing Company, Bridgeport, Conn. Condiment
holder. 148,530, Feb. 3.
Fletcher Aircraft: See—
Fletcher, Frank P.
Fletcher, Frank P., Pasadena, assignor to W. S., F. P.,
and M. C. Fletcher, co-partners doing business as
Fletcher Aircraft, Burbank, Calif. Bicycle frame.
148,531, Feb. 3.
Fletcher, Maurice C., assignee: See—
Fletcher, Frank P.
Fletcher, Wendell S., assignee: See—
Fletcher, Frank P.
Fosgood Corporation, assignee: See—
Richards, Harry C.
Gaines, Frank E., Alhambra, Calif. Hand truck or similar
article. 148,532, Feb. 3.
Galehouse, Clark F., Manhasset, assignor to Arnold Bril-
hart Ltd., Great Neck, N. Y. Lampstand or similar
article. 148,533, Feb. 3.
General Phonograph Manufacturing Company, The, as-
signee: See—
Dean, John M.
Goldsmith, Lang, Brookline, Mass. Brooch. 148,534,
Feb. 3.
Guth, Stern & Co. Inc., assignee: See—
Schlotterbeck, Fred.
Hamilton, Frank E., Jr., Milwaukee, Wis. Combination
bottle opener and muddler. 148,535, Feb. 3.
Hand, Thomas L., Cincinnati, Ohio, assignor to Noma
Electric Corporation, New York, N. Y. Heater. 148,536,
Feb. 3.
Harris, Todd, Brooklyn, N. Y. Beverage stirrer. 148,537,
Feb. 3.
Harvey-Whipple, Incorporated, assignee: See—
Carter, George I.
Henkel, Andrew L., Chicago, Ill. Tire holder. 148,538,
Feb. 3.
Hilkemeier, Louis G., West Allis, assignor to Chain Belt
Company, Milwaukee, Wis. Concrete mixer. 148,539,
Feb. 3.
Hilkemeier, Louis G., West Allis, Wis., and O. R. Knab,
Cassopolis, Mich., assignors to Chain Belt Company, Mil-
waukee, Wis. Concrete mixer. 148,540, Feb. 3.
Hoffman Radio Corporation, assignee: See—
Portanova, Joseph D.
Holan, James H., Jr., Rocky River, and H. J. Troche,
Cleveland Heights, assignors to The American Coach &
Body Company, Cleveland, Ohio. Vehicle body. 148,541,
Feb. 3.
Hutcheson, Ray R., assignor to E. A. Laboratories, Inc.,
Brooklyn, N. Y. Grille for an electric fan and the like.
148,542, Feb. 3.
Johnson, Hubert, Lead, S. Dak. Wall plaque. 148,543,
Feb. 3.
Kaplowitz, Morris, Brooklyn, N. Y., assignor to Federal
Manufacturing & Engineering Corp. Camera. 148,544,
Feb. 3.

LIST OF DESIGN PATENTEES

Katz, Adolph, Providence, R. I. Brooch or similar article. 148,547, Feb. 3.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,545, Feb. 3.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,546, Feb. 3.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,548, Feb. 3.
 Knab, Oscar R.: See—
 Hilkemeier, Louis G., and Knab.
 Kohn, Bernard, New York, N. Y. Lapel pin or similar article. 148,549, Feb. 3.
 Kreisler, Jacques, Manufacturing Corporation, assignee: See—
 Siska, John G.
 Loewy, Raymond, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Truck body. 148,550, Feb. 3.
 Mackay, John A., Detroit, Mich. Child's ring. 148,551, Feb. 3.
 Marcus, Gerald I., Kansas City, Mo. Walker or like article. 148,552, Feb. 3.
 Marshall, Marshall A., Buffalo, N. Y. Transparent doll's stall shower. 148,553, Feb. 3.
 Marshall, Marshall A., Buffalo, N. Y. Doll's stall shower. 148,554, Feb. 3.
 Matzie, Fredrick W., Los Angeles, Calif. Golf club head. 148,555, Feb. 3.
 McLellan, Kenneth, Monrovia, assignor to Salscor Company, Los Angeles, Calif. Motor scooter. 148,556, Feb. 3.
 McLellan, Kenneth, Monrovia, assignor to Salscor Company, Los Angeles, Calif. Motor scooter. 148,557, Feb. 3.
 Neller, Robert J., Appleton, Wis. Lapel and pocket badge or similar article. 148,558, Feb. 3.
 Noma Electric Corporation, assignee: See—
 Hand, Thomas L.
 Ostheimer, Emil J., Woodside, Long Island, N. Y. Bracelet. 148,559, Feb. 3.
 Orenfeld, Charles K., St. Louis, Mo. Handbag. 148,561, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,562, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,563, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,564, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,565, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,566, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or similar article. 148,567, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,568, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,569, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,570, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,571, Feb. 3.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,572, Feb. 3.
 Pitts, Arthur W., Tacoma, Wash. Nebulizer or the like. 148,573, Feb. 3.
 Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Radio cabinet. 148,574, Feb. 3.
 Quality Appliances, Inc., assignee: See—
 Snyder, Leland H.
 Rapp, Arthur C., Merced County, Calif. Bucket cart. 148,575, Feb. 3.
 Reinecke, Jean O., Oak Park, assignor to A M I Incorporated, Chicago, Ill. Phonograph cabinet. 148,576, Feb. 3.
 Richards, Harry C., Morristown, N. J., assignor to Fosgood Corporation, Leominster, Mass. Sun goggle or the like. 148,577, Feb. 3.
 Rogers, Irving, Monticello, N. Y. Airplane. 148,578, Feb. 3.
 Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Automobile station wagon. 148,579, Feb. 3.
 Ross, Violet, Hawthorne, Calif. Cup or similar article. 148,580, Feb. 3.
 Runge, Frank E.: See—
 Stone, Robert L., and Runge.
 Salscor Company, assignee: See—
 McLellan, Kenneth.
 Sattloff, Martin, Brooklyn, N. Y. Cigarette dispenser. 148,581, Feb. 3.
 Sculotterbeck, Fred, New York, N. Y., assignor to Guth, Stern & Co. Inc. Flashlight or like article. 148,582, Feb. 3.
 Searcy, Peter B., Austin, Tex. Display plate for automobiles or similar articles. 148,583, Feb. 3.
 Simon, Leon J., Detroit, Mich. Bicycle. 148,584, Feb. 3.
 Siska, John G., Cresskill, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Bracelet or similar article. 148,585, Feb. 3.
 Slater, Daniel J., St. Paul, Minn. Jewel case. 148,586, Feb. 3.
 Snyder, Leland H., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill. Massaging device or similar article. 148,587, Feb. 3.
 Soundsciber Corporation, The, assignee: See—
 Stone, Robert L., and Runge.
 Stec, Dmytro, Dearborn, Mich. Combined picture frame and calendar holder or similar article. 148,588, Feb. 3.
 Stone, Robert L., Guilford, and F. E. Runge, Branford, assignors to The Soundsciber Corporation, New Haven, Conn. Floor switch. 148,589, Feb. 3.
 Strassner, John F., New York, N. Y. Dress. 148,590, Feb. 3.
 Strassner, John F., New York, N. Y. Dress. 148,591, Feb. 3.
 Strassner, John F., New York, N. Y. Dress. 148,592, Feb. 3.
 Strassner, John F., New York, N. Y. Dress. 148,593, Feb. 3.
 Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 148,594, Feb. 3.
 Swartzbaugh Manufacturing Company, The, assignee: See—
 Sundberg, Carl W., and Ferar.
 Thieblot, Armand J., Hagerstown, Md., assignor to Fairchild Engine & Airplane Corporation. Airplane. 148,595, Feb. 3.
 Trifari, Krussman & Fishel, Inc., assignee: See—
 Philippe, Alfred.
 Troche, Herman J.: See—
 Holan, James H., Jr., and Troche.
 Waterman, Arthur, Philadelphia, Pa. Tie rack. 148,596, Feb. 3.
 Weidlich Bros. Manufacturing Company, assignee: See—
 Flauder, Alfred J.
 Willys-Overland Motors, Inc., assignee: See—
 Roos, Delmar G.
 Yankee Metal Products Corp., assignee: See—
 Daon, Rene.
 Zenith Radio Corporation, assignee: See—
 Budlong, Robert D.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3d DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adelson, David E.: See—
 Evans, Theodore W., and Adelson.
 Adler, Orville E., Niles, Mich., assignor to National Standard Company. Rubber coated steel object. 2,435,191, Feb. 3.
 Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Electromechanical vibrator. 2,435,487, Feb. 3.
 Adrian, Paul F., Worcester, Mass. Internal micrometer gauge. 2,435,263, Feb. 3.
 Agriculture, United States of America as represented by the Secretary of, assignee: See—
 Teeter, Howard M., and Cowan.
 Aircraft-Marine Products Inc., assignee: See—
 Swengel, Robert C.
 Aktiengesellschaft Brown, Boveri & Cie, assignee: See—
 Keller, Hans, and Ehrensperger.
 Alginate Industries Limited, assignee: See—
 Johnson, Arthur, and Speakman.
 Allied Chemical & Dye Corporation, assignee: See—
 Stasse, Henry L.
 Allyn, William N., assignee: See—
 Long, Walter K.
 American Holst & Derrick Co., assignee: See—
 Hite, Joseph J.
 American Optical Company, assignee: See—
 Splaine, Edward M.
 American Steel Foundries, assignee: See—
 Clasen, Claus J. W.
 Amp Corporation, assignee: See—
 Thompson, Parke H.
 Andrews, Willard H., Los Angeles, Calif. Hand finishing tool. 2,435,335, Feb. 3.
 Ansar, Anders J., Nykoping, assignor to Svenska Aktiebolaget Gasaccumulator, Lidings, near Stockholm, Sweden. Automatic record changer for phonographs. 2,435,264, Feb. 3.
 Archibald, Raymond C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of spheroidal catalyst. 2,435,379, Feb. 3.
 Archibald, Raymond C., Berkeley, and R. A. Trimble, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Preparing catalysts. 2,435,380, Feb. 3.
 Arpin, John W., Verona, N. J. Packing assembly for water pistols. 2,435,527, Feb. 3.
 Arsneau, George, Dallas, Tex. Two-wheeled type log- and tree-cutting power saw. 2,435,192, Feb. 3.
 Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work guiding means for shoe sewing machines. 2,435,193, Feb. 3.
 Ausland, Lewellyn L.: See—
 McLimans, John F., and Ausland.
 Automatic Pump & Softener Corporation, assignee: See—
 Riche, Arthur L.
 Autoxygen, Inc., assignee: See—
 Kokatnur, Vaman R.
 Baker, David B.: See—
 Rogers, Clifford R., Bechman, and Baker.
 Baker, William B., Council Bluffs, Iowa, and H. Rees, Omaha, Nebr. Grapple. 2,435,265, Feb. 3.
 Ball, Charles M.: See—
 Simpson, John D., and Ball.
 Banks, Clarence K.: See—
 Hamilton, Cliff S., and Banks.
 Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Power and reactive volt-ampere regulating arrangements for parallel-connected alternating current sources. 2,435,419, Feb. 3.
 Barlow, Benjamin W., assignor to D. Napier & Son Limited, London, England. Compressor. 2,435,528, Feb. 3.
 Barron, Leon, assignee: See—
 Dowell, Henry L.
 Bartlett, C. O., and Snow Company, The, assignee: See—
 Hofmann, Maximilian P.
 Bayley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 4,4'-bis(pyrrolone-1-carboxamide and thiocarboxamide) couplers for color photography. 2,435,550, Feb. 3.
 Baylin, Samuel, Montreal, Quebec, Canada. Apparatus for polishing knitting needles and the like. 2,435,488, Feb. 3.
 Beacham, Edwin B., Easton, Pa. Stocking and production. 2,435,489, Feb. 3.
 Beager, Arthur and E. W., New York, N. Y. Vacuum cleaner bag. 2,435,490, Feb. 3.
 Beager, Elizabeth W.: See—
 Beager, Arthur and E. W.
 Bechman, William O.: See—
 Rogers, Clifford R., Bechman, and Baker.
 Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electronic converter. 2,435,187, Feb. 3.
 Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Phase control system. 2,435,188, Feb. 3.
 Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Phase converting system. 2,435,189, Feb. 3.
 Beernink, Harold W., Holland, Mich. Drier for photographic prints. 2,435,420, Feb. 3.
 Bell, Ladford: See—
 Thomas, Loren, and Bell.
 Bell Telephone Laboratories, Inc., assignee: See—
 Bomberger, David C., Lovell, Och, Swartzel, and Weber.
 Dimond, Thomas L.
 Wurmser, Alphons V.
 Belvel, Robert E., Hayward, Calif. Shackle. 2,435,336, Feb. 3.
 Berg, Martin, Brooklyn, N. Y. Match book holder with wind guard. 2,435,491, Feb. 3.
 Better Health, Inc., assignee: See—
 Eckard, Harry L., and Kennedy.
 Bigley, William J., Jr., New York, N. Y. Tank track. 2,435,194, Feb. 3.
 Billingsley, Alva, Lamesa, Tex. Laminated insole for shoes. 2,435,337, Feb. 3.
 Binal, Walter R.: See—
 Williams, Joseph S., and Binal.
 Birtman Electric Company, assignee: See—
 Lanter, Clarence W.
 Black, James F., Roselle, N. J., assignor to Standard Oil Development Company. Production of hydrocarbons from carbon monoxide and hydrogen. 2,435,551, Feb. 3.
 Blair, Paul H., Chicago, Ill. Power-operated toothbrush. 2,435,421, Feb. 3.
 Blank, George W., Philadelphia, Pa. Shield for the bottom edges of trouser legs. 2,435,492, Feb. 3.
 Bliss Company, E. W., assignee: See—
 Rode, Friedrich J., and Hatch.
 Bocji Corporation, assignee: See—
 Lang, Joseph C.
 Bohr, Marcia C., San Francisco, Calif. Trousers slacks. 2,435,422, Feb. 3.
 Bomberger, David C., Plainfield, C. A. Lovell, Summit, H. G. Och, West Englewood, K. D. Swartzel, Murray Hill, N. J., and B. T. Weber, assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Data smoothing network. 2,435,195, Feb. 3.
 Bond, George R., Jr., Paulsboro, N. J., and G. A. Mills, Ridley Park, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Cracking of hydrocarbons with a beryllium phosphate catalyst. 2,435,196, Feb. 3.
 Booth, Harry T., Glencoe, Ill., assignor to United Aircraft Products, Inc., Dayton, Ohio. Oil control valve. 2,435,338, Feb. 3.
 Borg-Warner Corporation, assignee: See—
 Hubacker, Earl F.
 Borts, George A., Alliance, Ohio. Window screen shutter. 2,435,881, Feb. 3.
 Braun, G. A., Inc., assignee: See—
 Goodwin, Don O., and Yanchenko.
 Braun, Philip N., Inc., assignee: See—
 Kosmer, Frank.
 Breese Burners, Inc., assignee: See—
 Huston, Milton D.
 Breyfogel, Albert W.: See—
 Wilder, Harold F., and Breyfogel.
 Briggs Manufacturing Company, assignee: See—
 Pattison, Herbert J.
 Bright, Thomas J. R., Allesley, near Coventry, England. Actuating mechanism. 2,435,339, Feb. 3.
 Brillhart, Samuel E., Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing cables. 2,435,266, Feb. 3.
 Brockley, Jacob, near Newport News, Va. Adjustable T-square head. 2,435,529, Feb. 3.
 Brodie, James H., New Orleans, La. Landing and launching apparatus for aircraft. 2,435,197, Feb. 3.
 Brody, Samuel C., assignee: See—
 Whitmore, Henry G.
 Brown Instrument Company, The, assignee: See—
 Jordan, Arthur H.
 Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Landing gear and brake for aircraft. 2,435,465, Feb. 3.
 Browne, Frank E., Upper Darby, Pa. Coated welding electrode. 2,435,198, Feb. 3.

Brunswick-Balke-Collender Company, The, assignee: See—
Erbach, Lawrence F., and Riedl.
Brunson, Herman A., Rydal, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Addition products of acrylonitrile and aryl sulfones and preparing same. 2,435,552, Feb. 3.
Brunson, Herman A., and W. D. Niederhauser, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Dimeric octadecadienonitrile. 2,435,553, Feb. 3.
Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Resilient torsion rod suspension for tandem axle vehicles. 2,435,199, Feb. 3.
Budd Company, The, assignee: See—
Somes, Howard E.
Bullard, Edwin F.: See—
McAllister, Sumner H., and Bullard.
Butler Manufacturing Company, assignee: See—
Cooperider, Noel L.
Cahn, Leo, Forest Hills, assignor to Consolidated Lithographing Corporation, Brooklyn, N. Y. Amixing labels, wraps, etc. 2,435,267, Feb. 3.
Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Control for electric ovens. 2,435,530, Feb. 3.
Cape, Arthur T.: See—
Foerster, Charles V., and Cape.
Carmichael, Asa B., Sr., Tujunga, Calif. Combination uterine dilator and gauze packer. 2,435,531, Feb. 3.
Cary, Philip E., Perryville, Md., assignor to International Harvester Company. Refrigeration system including an internal-combustion engine and control means therefor. 2,435,493, Feb. 3.
Caskey, Henry T., Oakland, Calif. Adjustable automatic saw-table gauge. 2,435,382, Feb. 3.
Cellomold Limited, assignee: See—
Davies, Drury N.
Chaffin, Paul, Haristown, Ill. Trailer hitch. 2,435,383, Feb. 3.
Chester Manufacturing Company, assignee: See—
Wright, Hal E.
Childs, Gordon E., Simsbury, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Taper thread gage. 2,435,268, Feb. 3.
Christensen, Niels C., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Treatment of marmatitic zinc ores. 2,435,340, Feb. 3.
Cities Service Oil Company, assignee: See—
Hess, Frederick G.
Clapp, Richard G., Haverford, assignor, by mesne assignments, to Phileo Corporation, Philadelphia, Pa. Microwave operated mechanism. 2,435,423, Feb. 3.
Clasen, Claus J. W., American Steel Foundries, Chicago, Ill. Ride control truck. 2,435,384, Feb. 3.
Clawson, George R.: See—
Foster, Jesse O., and Clawson.
Clay, Robert A., San Antonio, Tex. Shock absorber. 2,435,200, Feb. 3.
Cluett, Peabody & Co., Inc., assignee: See—
Pfeffer, Edward C., Jr., and Miller.
Coast Reduction, Inc., assignee: See—
Foerster, Charles V., and Cape.
Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Phenolic-alkyd resins. 2,435,554, Feb. 3.
Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Mixed resin bonded abrasives and making the same. 2,435,555, Feb. 3.
Combined Metals Reduction Company, assignee: See—
Christensen, Niels C.
Consolidated Lithographing Corporation, assignee: See—
Cahn, Leo.
Coon, W. B., Company, assignee: See—
Knowles, Richard E.
Cooper, Joseph H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Platen drive for flash butt welders. 2,435,494, Feb. 3.
Cooperider, Noel L., assignor to Butler Manufacturing Company, Kansas City, Mo. Wet cleanout system for filters. 2,435,201, Feb. 3.
Couch, Glenn F., assignor to The Symington-Gould Corporation, Rochester, N. Y. Friction damped railway truck. 2,435,385, Feb. 3.
Cowan, John C.: See—
Teeter, Howard M., and Cowan.
Craig, Palmer H., Gainesville, Fla., assignor to Invox Corporation, New York, N. Y. Electronic tube and control therefor. 2,435,202, Feb. 3.
Crews, John F., Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif. Regenerative heating device. 2,435,424, Feb. 3.
Crumrine, Chester W., assignor to Product Technicians, Inc., Rochester, N. Y. Electrical cord plug. 2,435,341, Feb. 3.
Cunningham, Lewis L., Los Angeles, assignor to General Controls Co., Glendale, Calif. Magnetic control device. 2,435,425, Feb. 3.
Curatole, Arthur, Hartford, Conn.: M. S. Curatole, administratrix of said A. Curatole, deceased. Double-shank hammer-type tool. 2,435,556, Feb. 3.
Curatole, Marie S., administratrix: See—
Curatole, Arthur.

Curtis, Horace L., Gilford, and G. H. McKinley and G. H. Miller, assignors to Scott & Williams, Incorporated, Leconia, N. H. Needle cam for circular knitting machines. 2,435,269, Feb. 3.
Cushman, Lee H., South Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Valved-cylinder type motor. 2,435,270, Feb. 3.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Acyl-hydrazino amino derivatives. 2,435,203, Feb. 3.
Davidson, John H., U. S. Navy, South Haven, assignor to The Dow Chemical Company, Midland, Mich. Herbicides. 2,435,204, Feb. 3.
Davidson, Norman R., Princeton, N. J., assignor to Radio Corporation of America. Electron diffraction camera. 2,435,386, Feb. 3.
Davies, Drury N., assignor to Cellomold Limited, Feltham, England. Extrusion machine. 2,435,426, Feb. 3.
Davis, Garland H. B., Hillside, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Nonfoaming compositions and methods of making same. 2,435,205, Feb. 3.
Davis, Garland H. B., Hillside, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Nonfoaming compositions. 2,435,206, Feb. 3.
Deegan, John G., New York, N. Y. Rolling hatch beam track. 2,435,190, Feb. 3.
Deming Company, The, assignee: See—
Samelson, Bernard.
Dennis, Bradford C., assignee: See—
Rancourt, Alphonse.
Dick, John P., Haley, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada. Producing magnesium ore briquettes. 2,435,495, Feb. 3.
Dictograph Products Company, Inc., assignee: See—
Young, Don H., and Malilieu.
Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase synchronized pulsed trigger circuit. 2,435,207, Feb. 3.
Dominion Magnesium Limited, assignee: See—
Dick, John P.
Doran Brothers Incorporated, assignee: See—
Schultze, Paul.
Dorn, Roy L., Riverdale, Calif. Tool post assembly for machine tools. 2,435,303, Feb. 3.
Douthat, Edward M., and E. Esson, assignors to Locke Stove Company, Kansas City, Mo. Space heater and heat output indicator therefor. 2,435,342, Feb. 3.
Dow Chemical Company, The, assignee: See—
Davidson, John H.
Livak, John E., and Murray.
Dowell, Henry L., assignor of one-half to L. Barron, Athens, Tex. Envelope opener. 2,435,271, Feb. 3.
Downey, Lewis W., Oak Park, Ill. Power shutoff and signalling apparatus. 2,435,343, Feb. 3.
Duff-Norton Manufacturing Company, The, assignee: See—
Schwerin, Frank H.
Duncan, J. Edgar, assignee: See—
Roop, Elston A.
Du Pont, E. I., de Nemours & Company, assignee: See—
Ewing, Alvin L.
Ford, Thomas A., and Hanford.
Klabunde, Walter.
Strain, Daniel E.
Duro-Test Corporation, assignee: See—
Simson, Walter H.
Eagles, Robert P., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va. Bag feeding apparatus. 2,435,532, Feb. 3.
Earle, Ralph H., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. High-voltage circuit interrupter. 2,435,533, Feb. 3.
Eastman, David P., assignor to United Specialties Company, Chicago, Ill. Turbine wheel. 2,435,427, Feb. 3.
Eaves Sound Projectors, Inc., assignee: See—
Eaves, William C.
Eaves, William C., Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., New York, N. Y. Electropneumatic sound reproducer. 2,435,534, Feb. 3.
Eaves, William C., Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., Dover, Del. Sound projecting apparatus. 2,435,535, Feb. 3.
Eckard, Harry L., Massillon, and J. W. Kennedy, Canton, assignors to Better Health, Inc., Massillon, Ohio. Infatable dilator. 2,435,387, Feb. 3.
Ehrensperger, Charles: See—
Keller, Hans, and Ehrensperger.
Elipper, William R., Philadelphia, Pa. Treating fatty materials. 2,435,208, Feb. 3.
Elevator Supplies Company, Inc., assignee: See—
Swart, Frans J.
Elmendorf, Armin, Winnetka, Ill., assignor to The Flexwood Company. Making flexible veneer laminate. 2,435,209, Feb. 3.
Erbach, Lawrence F., Chicago, Ill., and A. T. Riedl, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Safety belt. 2,435,428, Feb. 3.

Esson, Edwin: See—
Douthat, Edward M., and Esson.
Evans, Theodore W.: See—
Morris, Rupert C., and Evans.
Evans, Theodore W., Oakland, and D. E. Adelson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Alkyd resins. 2,435,429, Feb. 3.
Ewing, Alvin L., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn-advancing reel. 2,435,430, Feb. 3.
Eyre Donald, Alvaston, Derby, assignor to Rolls-Royce Limited, Derby, England. Air-coolers for internal-combustion turbines. 2,435,557, Feb. 3.
Fahrner, Joseph A., U. S. Navy. Intervalometer calibration checker. 2,435,210, Feb. 3.
Fain, Mitchell S., New Haven, Conn. Carding machine. 2,435,431, Feb. 3.
Farkas, Eugene, New York, N. Y. Earring. 2,435,344, Feb. 3.
Farnsworth Corporation, assignee: See—
Larson, Christian C.
Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 2,435,432, Feb. 3.
Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Wringer. 2,435,536, Feb. 3.
Firestone Tire & Rubber Company, The, assignee: See—
Brown, Roy W.
Radcliffe, Milton R.
Spencer, George A.
Thomas, Talbot E.
Flexwood Company, The, assignee: See—
Elmendorf, Armin.
Florence Stove Company, assignee: See—
Reeves, Herbert M.
Foerster, Charles V., Canton, and A. T. Cape, Columbus, Ohio, assignors to Coast Reduction, Inc., Watsonville, California. Recovering chromium values from ores. 2,435,304, Feb. 3.
Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Cathode-ray screen. 2,435,435, Feb. 3.
Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Cathode-ray tube screen. 2,435,436, Feb. 3.
Forbes, Albert C.: See—
Linn, Albert W., and Forbes.
Ford, Thomas A., Wilmington, Del., and W. E. Hanford, Easton, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinylidene fluoride and obtaining the same. 2,435,537, Feb. 3.
Foster, Jesse O., Linwood, and G. R. Clawson, Salisbury, N. C. Loom letoff mechanism. 2,435,437, Feb. 3.
Fowler, John, Stockport, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Electric switch. 2,435,438, Feb. 3.
Freyssinet, Eugene, Neuilly-sur-Seine, France. Piles and making the same. 2,435,345, Feb. 3.
Fridolph, Annette, New York, N. Y. Mattress handle. 2,435,388, Feb. 3.
Frieder, Leonard P., assignee: See—
Johnsen, Bjornulf.
General Aniline & Film Corporation, assignee: See—
Bavley, Abraham.
General Controls Co., assignee: See—
Cunningham, Lewis L.
General Electric Company, assignee: See—
Bany, Herman.
Bedford, Burnice D.
D'Alelio, Gaetano F., and Underwood.
Favre, John A.
Fonda, Gorton R.
Graham, Douglas H.
Gurewitsch, Anatole M.
Hayward, Claude D.
Schuck, Carl L.
Wellman, Albert.
Williams, Ernest.
General Industrial Diamond Co. Inc.: See—
Gockinga, Walter S.
General Motors Corporation assignee: See—
Candor, Robert R.
Ferris, Donald K.
Ghiglietti, Lloyd, Oakland, Calif. Wrench for removing the backs of waterproof watches. 2,435,346, Feb. 3.
Gibboney, Walter L., Denver, Colo. Defrosting tunnel. 2,435,538, Feb. 3.
Gillet, James M., Evanston, Ill., assignor to Victor Chemical Works. Drilling fluid composition. 2,435,211, Feb. 3.
Gilman, Lawrence M., Gilman, Conn. Blanket insulation and method of and apparatus for forming the same. 2,435,347, Feb. 3.
Gockinga, Walter S., Scarsdale, assignor to General Industrial Diamond Co. Inc., New York, N. Y. Diamond wheel dressing tool. 2,435,558, Feb. 3.
Golden, John F., Lynn, and H. J. Smith, Everett, Mass. Toolholder. 2,435,212, Feb. 3.
Good, Wilford R., Clio, Mich. Stop light switch for automobiles. 2,435,389, Feb. 3.

Goodwin, Don O., St. Louis, Mo., and B. J. Yanchenko, Syracuse, N. Y., assignors to G. A. Braun, Inc., Chicago, Ill. Garment spotting apparatus. 2,435,439, Feb. 3.
Gould, William L., Albany, N. Y. Garden stake with chamber for plant growth. 2,435,539, Feb. 3.
Graham, Carl: See—
LeTourneau, Robert G., Graham, and Huth.
Graham, Douglas H., Coventry, England, assignor to General Electric Company. Reversible motor drive. 2,435,440, Feb. 3.
Graham, Philip J., assignor, by mesne assignments, to Trig Corporation, Worcester, Mass. Hinge construction in molded receptacle. 2,435,272, Feb. 3.
Grissinger, George G., Wilkinsburg, T. Lindstrom, Edgewood, and J. Sandia, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,435,305, Feb. 3.
Groff, Torjus, Brinsmade, N. Dak. Hardness and thickness gauge. 2,435,348, Feb. 3.
Grotnes, Carl C., Park Ridge, Ill. Expanding die for sizing, curling, and beading metal drums. 2,435,306, Feb. 3.
Grouse, Richard A., assignor to A. H. Hunt Limited, London, England. Demetallizing metallized paper. 2,435,441, Feb. 3.
Grover, Philip D., Chicago, Ill. Tie and tie plate assembly. 2,435,390, Feb. 3.
Guanelia, Gustav, Zurich, and P. Güttinger, Wetztingen, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Impulse modulation system. 2,435,496, Feb. 3.
Gunderman, Sarah H., Pittsburgh, Pa. Ribbon burner. 2,435,391, Feb. 3.
Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Tuning arrangement for concentric transmission line resonators. 2,435,442, Feb. 3.
Güttinger, Paul: See—
Guanelia, Gustav, and Güttinger.
Haddock, Norman H., and C. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Metal-phthalocyanines containing halomethyl groups and preparing same. 2,435,307, Feb. 3.
Hagler, Joseph, assignee: See—
Zideck, Ernest E.
Hajduk, Casimir, Dearborn, Mich. Floating seat. 2,435,497, Feb. 3.
Hall, Eulis T., Kansas City, Mo. Wallpaper perforator. 2,435,349, Feb. 3.
Hall, Howard E., assignor to J. A. Terteling & Sons, Boise, Idaho. Harvester with toppler and ejector. 2,435,350, Feb. 3.
Hall, Ralph W.: See—
Weaver, Maxwell C., and Hall.
Hamilton, Cliff S., Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich. Amino arsenicals and preparing same. 2,435,392, Feb. 3.
Hamilton, Cliff S., Lincoln, Nebr., and C. K. Banks, assignors to Parke, Davis & Company, Detroit, Mich. Arsenic derivatives and preparing same. 2,435,393, Feb. 3.
Hancock, Robert H., Miami, Fla. Preheated fuel injection device for internal-combustion engines. 2,435,213, Feb. 3.
Hanford, William E.: See—
Ford, Thomas A., and Hanford.
Hapman Conveyors, Inc., assignee: See—
Hapman, Henry W.
Hapman, Henry W., assignor to Hapman Conveyors, Inc., Detroit, Mich. Conveyor structure with pivoted buckets. 2,435,498, Feb. 3.
Hardy, Gordon W., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Adjustable pitch propeller. 2,435,540, Feb. 3.
Harris, Robert W.: See—
Kline, Bernard L., and Harris.
Harris, William A.: See—
Young, William D., and Harris.
Harvey, Leo M., La Canada, Calif. Machine for making paper cups. 2,435,308, Feb. 3.
Harvey, Leo M., La Canada, Calif. Mechanism for blanking material for cups or the like. 2,435,309, Feb. 3.
Hatch, Meredith R.: See—
Rode, Friedrich J., and Hatch.
Hatfield, Henry S., Hildersham, England. Coating with tungsten carbide. 2,435,273, Feb. 3.
Haug, Eugene H., Glencoe, assignor to La Salle National Bank, Chicago, Ill. Power factor regulating apparatus. 2,435,214, Feb. 3.
Hawley, James P., Bronxville, N. Y. Adjustable toothbrush. 2,435,394, Feb. 3.
Hay, Steven H., Racine, Wis. Combination fish scaler and scraper. 2,435,351, Feb. 3.
Haynes, Harold E.: See—
Hotchkiss, Arch, Jr., and Haynes.
Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Latching mechanisms for electric switching devices. 2,435,433, Feb. 3.
Herold, Edward W., Kingston, and D. O. North, Cranbury, N. J., assignors to Radio Corporation of America. Ultra high frequency triode converter. 2,435,541, Feb. 3.

Hess, Frederick G., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Wax acids separation process. 2,435,542, Feb. 3.

Hester, William F., Drexel Hill, assignor to Rohm & Haas Company, Philadelphia, Pa. Control of insects. 2,435,274, Feb. 3.

Heuer, John P., Pittsburgh, Pa. Rail anchor. 2,435,352, Feb. 3.

Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electronic brake control apparatus. 2,435,310, Feb. 3.

Hintz, Herbert P., Moline, Ill., and W. L. Klepac, Davenport, Iowa. Reciprocating work carrier for marking machines. 2,435,215, Feb. 3.

Hirsch, Clyde S., Sulphur, La. Hair roller. 2,435,275, Feb. 3.

Hite, Joseph J., assignor to American Holst & Derrick Co., St. Paul, Minn. Material handling apparatus. 2,435,353, Feb. 3.

Hlavin, William S.: See—
Sigmund, Frank J., and Hlavin.

Hofmann, Maximilian P., Bay Village, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Apparatus for mixing. 2,435,216, Feb. 3.

Holmes, Edward L., Barkingside, Ilford, assignor of one-half to Henry Hughes & Son Limited, London, England. Magnetic field indicating means. 2,435,276, Feb. 3.

Holthouse, Harry B., Chicago, Ill., assignor to Motorola, Inc. Heating and ignition control system. 2,435,277, Feb. 3.

Hood, George J., Lawrence, Kans. Dermatome. 2,435,278, Feb. 3.

Hopkins, Robert C., Alliance, Ohio. Furnace burner arrangement. 2,435,395, Feb. 3.

Hotchkiss, Arch, Jr., and H. E. Haynes, San Diego, assignors to Reconstruction Finance Corporation, Los Angeles, Calif. Turret attachment for drill presses. 2,435,354, Feb. 3.

Houdry Process Corporation, assignee: See—
Bond, George R., Jr., and Mills.

Howard, Frank L.: See—
Mosher, Hugh H., and Howard.

Howell, Cleves H., Jr., Estes Park, Colo. Firearm and stock structure therefor. 2,435,217, Feb. 3.

Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Pump, vane type. 2,435,279, Feb. 3.

Hudson, Monie S., Spartanburg, S. C. Apparatus and method for drying wood. 2,435,218, Feb. 3.

Hudson, Monie S., Spartanburg, S. C. Dehydrating and impregnating wood. 2,435,219, Feb. 3.

Hughes, Henry, & Son Limited, assignee: See—
Holmes, Edward L.

Hunt, A. H., Limited, assignee: See—
Grouse, Richard A.

Huston, Milton D., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Burner pot and air supply means therefor. 2,435,220, Feb. 3.

Huth, Herman G.: See—
LeTourneau, Robert G., Graham, and Huth.

Hydraulic Control Engineering Company, assignee: See—
Stephens, William T.

Imperial Chemical Industries Limited, assignee: See—
Haddock, Norman H., and Wood.

Thomson, Robin H. K., and Sever.

Industrial Tape Corporation, assignee: See—
Simonds, Donald R.

Ingram, Edgar W., Sr., assignor to White Castle System, Inc., Columbus, Ohio. Package construction. 2,435,355, Feb. 3.

International Harvester Company, assignee: See—
Carry, Philip E.

Morkoski, James.

Rogers, Clifford R., Bechman, and Baker.

Invox Corporation, assignee: See—
Craig, Palmer H.

Ipatieff, Vladimir N., and H. Pines, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Separation of gem cyclic hydrocarbons from nongem cyclic hydrocarbons by selective dehydrogenation. 2,435,443, Feb. 3.

Isthmian Metals, Inc., assignee: See—
Rice, Richard E.

Jaeger, Jacob J., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Circuits for tracer controlled machine tools. 2,435,280, Feb. 3.

Jasco, Incorporated, assignee: See—
Mann, Matthew D., Jr.

Johnsen, Bjornulf, Summit, N. J., assignor to Leonard P. Frieder, New York, N. Y. Device for launching torpedoes. 2,435,444, Feb. 3.

Johnson, Arthur, Headingley, Leeds, and J. B. Speakman, Far Headingley, Leeds, assignors to Alginite Industries Limited, Maidenhead, Berkshire, England. Textile fabric. 2,435,543, Feb. 3.

Jones, Charles E., assignor to Rockwell-Barnes Company, Chicago, Ill. Index guide. 2,435,221, Feb. 3.

Jordan, Arthur H., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,435,281, Feb. 3.

Kaiser, Otto, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Triazo urea dyestuffs. 2,435,356, Feb. 3.

Keller, Hans, Wettingen, and C. Ehrensperger, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Device for igniting and energizing mercury arc rectifiers. 2,435,357, Feb. 3.

Kennedy, James W.: See—
Eckard, Harry L., and Kennedy.

Kerezi, Joseph, Dearborn, Mich. Flying top. 2,435,445, Feb. 3.

Kessler, Charles A., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary hook for sewing machines. 2,435,358, Feb. 3.

Kimmell, Geraldine M., Pasadena, Calif. Garter belt. 2,435,311, Feb. 3.

Klabunde, Walter, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvent for degreasing iron and aluminum. 2,435,312, Feb. 3.

Klepac, William L.: See—
Hintz, Herbert P., and Klepac.

Klie, Frank H., deceased, by L. E. Klie, executrix, Paris, Ill. Folding fan. 2,435,446, Feb. 3.

Klie, Lillian E., executrix: See—
Klie, Frank H.

Kline, Bernard L., Manhasset, assignor to The Western Union Telegraph Company, New York, N. Y. Marking ink. 2,435,222, Feb. 3.

Kline, Bernard L., Manhasset, and R. W. Harris, Garden City, assignors to The Western Union Telegraph Company, New York, N. Y. Producing facsimile telegraph signals. 2,435,223, Feb. 3.

Klopfenstein, Jesse D., and H. C. Rathke, assignor to The Meyercof Company, Chicago, Ill. Decalomania applying machine. 2,435,224, Feb. 3.

Knowles, Richard E., assignor to W. B. Coon Company, Rochester, N. Y. Special lining for shoes forming prescription pockets. 2,435,313, Feb. 3.

Koch, Alfred F., Cincinnati, Ohio. Centering ring for adjustable toolholders. 2,435,396, Feb. 3.

Kokatnur, Vaman R., assignor to Autoxygen, Inc., New York, N. Y. Nitrating organic compounds. 2,435,314, Feb. 3.

Kokatnur, Vaman R., assignor to Autoxygen, Inc., New York, N. Y. Nitrating organic compounds. 2,435,544, Feb. 3.

Kolodner, Irving, Brooklyn, and J. Munves, New York, N. Y. Angularly-adjustable handle for hand saws. 2,435,225, Feb. 3.

Kortum, Karl C., Petaluma, Calif. Mooring bitt. 2,435,447, Feb. 3.

Kosmer, Frank, Syracuse, N. Y., assignor to P. N. Braun Inc., Los Angeles, Calif. Locking mechanism for type wheels of printing machines. 2,435,434, Feb. 3.

Kraeff, Herman L., Cleveland Heights, and L. J. Walters, Shaker Heights, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Manufacturing tubular frame structures. 2,435,448, Feb. 3.

Kreps, Samuel, New York, N. Y. Adjustable waistband. 2,435,315, Feb. 3.

Kubacki, Wallace, Reading, and R. M. Urquhart, Wayne, Pa.; said Kubacki assignor to said Urquhart. Foam forming apparatus. 2,435,449, Feb. 3.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticide preparations. 2,435,499, Feb. 3.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Acenaphthenedione as parasiticide preparations. 2,435,501, Feb. 3.

Lamb, Carl W., Inskip, Tenn. Word counter for typewriters. 2,435,450, Feb. 3.

Landis, Elmer, Clayton, assignor to United Aircraft Products, Inc., Dayton, Ohio. Oil tank for lubricating systems. 2,435,359, Feb. 3.

Lang, Gregor L., West Caldwell, N. J., assignor to Link Aviation, Inc. Radio signaling means for aviation trainers. 2,435,502, Feb. 3.

Lang, Joseph C., assignor to Bocj Corporation, Pittsburgh, Pa. Container closing method and apparatus. 2,435,397, Feb. 3.

Lang, Joseph C., assignor to Bocj Corporation, Pittsburgh, Pa. Method and apparatus for closing cartons. 2,435,398, Feb. 3.

Lanter, Clarence W., Du Page County, Ill., assignor to Birtman Electric Company. Disintegrator housing with dish-shaped sides. 2,435,226, Feb. 3.

Larson, Christian C., assignor, by mesne assignments, to Farnsworth Research Corporation. Optical focusing means for image translating devices. 2,435,316, Feb. 3.

La Salle National Bank, assignee: See—
Haug, Eugene H.

Layne, Julian: See—
Vigerust, Oliver S., and Layne.

Leiner, Henry G., assignor of one-half to V. A. Leiner, Racine, Wis. Variable pitch propeller. 2,435,360, Feb. 3.

Leiner, Virginia A., assignee: See—
Leiner, Henry G.

Lester Engineering Company, assignee: See—
Lester, Nathan.

Lester, Horace H., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Method and apparatus for producing articles from powdered materials. 2,435,227, Feb. 3.

Lester, Nathan, Cleveland Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Process and apparatus for extruding plastic materials. 2,435,282, Feb. 3.

Le Tourneau, R. G., Inc., assignee: See—
Le Tourneau, Robert G., Graham and Huth.

Le Tourneau, Robert G., Peoria, Ill., C. Graham and H. G. Huth, Tacona, Ga., assignors to R. G. Le Tourneau, Inc., Stockton, Calif. Headstock and centering rest assembly. 2,435,451, Feb. 3.

Levinson, Sidney O., and F. Oppenheimer, Chicago, Ill., assignors to Michael Reese Research Foundation. Drying of frozen materials. 2,435,503, Feb. 3.

Lighter, Stephen, Milwaukee, Wis. Carton. 2,435,283, Feb. 3.

Lima-Hamilton Corporation, assignee: See—
Morain, Willard A.

Mueller, George A., Jr., and Shirley.

Linde Air Products Company, The, assignee: See—
Van Vleet, James G., and Patch.

Lindstrom, Ture: See—
Grissinger, George G., Lindstrom and Sandin.

Line Material Company, assignee: See—
Earle, Ralph H.

Link Aviation, Inc., assignee: See—
Lang, Gregor L.

Linn, Albert W., and A. C. Forbes, Memphis, Tenn. Color inker for cylinder presses. 2,435,452, Feb. 3.

Livak, John E., and M. F. Murray, assignors to The Dow Chemical Company, Midland, Mich. Preparation of indolalhydantoin. 2,435,399, Feb. 3.

Locke Stove Company, assignee: See—
Douthat, Edward M., and Esson.

Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Splice for conductors and splicing conductors. 2,435,284, Feb. 3.

Long, Walter K., Auburn, assignor to W. N. Allyn, Skaneateles, N. Y. Laryngoscope. 2,435,400, Feb. 3.

Lovell, Clarence A.: See—
Bomberger, David C., Lovell, Och, Swartzel, and Weber.

Lucia, Louis V., West Hartford, Conn. Ice machine. 2,435,285, Feb. 3.

Lund, Frank M., assignor of fifty per cent to H. M. Pushker, Chicago, Ill. Trimming board. 2,435,559, Feb. 3.

Lyon, Joseph P., Jr., Phillips, Tex., assignor to Phillips Petroleum Company. Production of mercaptans. 2,435,545, Feb. 3.

MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Detergent briquette. 2,435,453, Feb. 3.

Maldonado, Joseph, Los Angeles, Calif. Cigarette package opener and closure. 2,435,454, Feb. 3.

Mallalleu, Frank R.: See—
Young, Don H., and Mallalleu.

Mallory, Marlon, Detroit, Mich. Multiple piston engine, opposed, separate air and fuel supply. 2,435,361, Feb. 3.

Mallory, P. R., & Co., Inc., assignee: See—
Rosser, Theodore N.

Williams, Joseph S., and Binal.

Mangan, Dave, assignee: See—
Sonnenberg, Milo E.

Manhard, William E., Picton, Ontario, Canada. Panel and connecting means therefor. 2,435,286, Feb. 3.

Mann, Matthew D., Jr., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Polymerization apparatus. 2,435,228, Feb. 3.

Mann, Matthew D., Jr., Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Kneader polymerization process for olefins. 2,435,229, Feb. 3.

Manning, Maxwell & Moore, Inc., assignee: See—
Smith, Ralph E.

Manufacturers Trading Corporation, assignee: See—
Morton, William A.

Marinsky, Davis, assignee: See—
Morin, Louis H.

Marquette Metal Products Company, The, assignee: See—
Hardy, Gordon W.

Martin, Robert P., Seattle, Wash. Auxiliary propeller drive. 2,435,401, Feb. 3.

Mathews, Bernard C., Chicago, Ill. Dehydrating machine with conveyors providing plural treated material paths. 2,435,455, Feb. 3.

Mathias, David L., East Orange, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Welding rod. 2,435,504, Feb. 3.

Mathieson Alkali Works, Inc., The, assignee: See—
MacMahon, James D.

Soule, Edward C.

McAllister, Sumner H., Lafayette, and E. F. Bullard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of motor fuels. 2,435,402, Feb. 3.

McClain, Herbert K., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Fatty acids from cottonseed foots. 2,435,456, Feb. 3.

McCune, Joseph C., Edgewood, and G. K. Newell, Pitcairns, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Inertia operated control device. 2,435,319, Feb. 3.

McFeathers, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Works. Water-cooled port structure for tilting hearth furnaces. 2,435,318, Feb. 3.

McGrew, Edward N., Fort Smith, Ark. Insect trap. 2,435,317, Feb. 3.

McKinley, George H.: See—
Curtis, Horace L., McKinley, and Miller.

McLendon, Phillip T., Atlanta, Ga., assignor to Union Special Machine Company, Chicago, Ill. Rope whipping sewing machine. 2,435,457, Feb. 3.

McLimans, John F., and L. L. Ausland, Duluth, Minn. Regenerator for open hearths and the like. 2,435,230, Feb. 3.

McPherson, Albert E., Bethesda, Md. Acceleration pickup. 2,435,231, Feb. 3.

Mercler, Jean, New York, N. Y. Servo selector valve. 2,435,546, Feb. 3.

Metal & Thermit Corporation, assignee: See—
Mathias, David L.

Metropolitan-Vickers Electrical Company Limited, assignee: See—
Fowler, John.

Metzger, Leopold H., and W. B. Muse, assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill. Eyeglass lens grinding apparatus. 2,435,320, Feb. 3.

Meyercof Company, The, assignee: See—
Klopfenstein, Jesse D., and Rathke.

Michael Reese Research Foundation, assignee: See—
Levinson, Sidney O., and Oppenheimer.

Miller, Florence G., executrix: See—
Miller, Frank P.

Miller, Frank P., deceased, by R. W. Thomas and F. G. Miller, executors, assignors to R. W. Thomas, Meadville, Pa. Cutting tool. 2,435,287, Feb. 3.

Miller, George H.: See—
Curtis, Horace L., McKinley, and Miller.

Miller, Laurence M.: See—
Pfeffer, Edward C., Jr., and Miller.

Mills, George A.: See—
Bond, George R., Jr., and Mills.

Morain, Willard A., Hamilton, Ohio, assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y. Regulating the scavenging of free piston engines. 2,435,232, Feb. 3.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Trimming gates of die castings. 2,435,505, Feb. 3.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Steering means for agricultural implements. 2,435,506, Feb. 3.

Morris, Rupert C., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Cyclic alcohols and their preparation. 2,435,403, Feb. 3.

Morris, Rupert C., and J. L. Van Winkle, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogenation of sulfone ethers. 2,435,404, Feb. 3.

Morton, William A., Mount Lebanon, Pa., assignor, by mesne assignments, to Manufacturers Trading Corporation, Cleveland, Ohio. Work-supporting structure and protective means for furnaces and the like. 2,435,362, Feb. 3.

Mosher, Hugh H., Teaneck, N. J., and F. L. Howard, Kingston, R. I., assignors to Onyx Oil & Chemical Company. Cationic isoquinoline pesticide. 2,435,458, Feb. 3.

Motorola, Inc., assignee: See—
Holthouse, Harry B.

Mueller, George A., Jr., and P. S. Shirley, Hamilton, Ohio, assignors, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y. Air cooling means for free piston engines. 2,435,233, Feb. 3.

Munro, Gordon, Bremerton, Wash. Grinding wheel dresser. 2,435,234, Feb. 3.

Munves, Joseph: See—
Kolodner, Irving, and Munves.

Murray, Maxton F.: See—
Livak, John E., and Murray.

Murray-Ohio Manufacturing Company, The, assignee: See—
Kraeff, Herman L., and Walters.

Muse, Wilson B.: See—
Metzger, Leopold H., and Muse.

Musher Foundation, Incorporated, assignee: See—
Zenzen, Alexander M.

Napier, D., & Son Limited, assignee: See—
Barlow, Benjamin W.

National Broach & Machine Company, assignee: See—
Praeg, Walter S.

National Standard Company, assignee: See—
Adler, Orrville E.

Navy, United States of America, as represented by the Secretary of the: *See*—
Street, Jabez C.
Newell, George K.: *See*—
McCune, Joseph C., and Newell.
New York Air Brake Company, The, assignee: *See*—
Sudduth, Henry N.
Niederhauser, Warren D.: *See*—
Bruson, Herman A., and Niederhauser.
Nikis, Mario, Puteaux, France. Modulating and amplifying system. 2,435,547, Feb. 3.
Niles-Bement-Pond Company, assignee: *See*—
Childs, Gordon E.
Jaeger, Jacob J.
Nisenon, Jules, assignor to Publix Metal Products, Inc., New York, N. Y. Venetian blind tilt-bar support. 2,435,288, Feb. 3.
North, Dwight O.: *See*—
Herold, Edward W., and North.
Norton Company, assignee: *See*—
Coes, Loring, Jr.
Och, Henry G.: *See*—
Bomberger, David C., Lovell, Och, Swartzel, and Weber.
Oden, William L., Nashville, Tenn. Airplane landing gear. 2,435,459, Feb. 3.
Ogren, Sexten P. F., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 2,435,321, Feb. 3.
Onyx Oil & Chemical Company, assignee: *See*—
Mosher, Hugh H., and Howard.
Oppenheimer, Franz: *See*—
Levinson, Sidney O., and Oppenheimer.
Parke, Davis & Company, assignee: *See*—
Hamilton, Cliff S.
Hamilton, Cliff S., and Banks.
Parker, William A., Marton, Blackpool, England. Scaffolding. 2,435,461, Feb. 3.
Parrish, Charles I., Drexel Hill, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparing aldehyde material. 2,435,460, Feb. 3.
Parrott, Robert D.: *See*—
Wise, Raleigh J., Ridings, and Parrott.
Patch, George W., Jr.: *See*—
Van Vleet, James G., and Patch.
Patisaul, Charles E., Milledgeville, Ga. Electric heater. 2,435,363, Feb. 3.
Patterson, Velt C., assignor to York Corporation, York, Pa. Food freezing apparatus. 2,435,462, Feb. 3.
Pattison, Herbert J., Grosse Pointe, assignor to Briggs Manufacturing Company, Detroit, Mich. Apparatus for making molds. 2,435,507, Feb. 3.
Paul, Philip T., and L. B. Tewksbury, Jr., Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacture of dithio bis-arylamines. 2,435,508, Feb. 3.
Pearson, Willie T., Vicksburg, Miss. Gyro top. 2,435,364, Feb. 3.
Pennsylvania Engineering Works, assignee: *See*—
McFeaters, Harry L.
Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Parrish, Charles I.
Pettingill, Russell J., Superior, Wis. Adjustable battery carriage. 2,435,463, Feb. 3.
Pfeffer, Edward C., Jr., Troy, and L. M. Miller, Albany, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Stitchless shirt collar and making it. 2,435,509, Feb. 3.
Philco Corporation, assignee: *See*—
Clapp, Richard G.
Phillips Petroleum Company, assignee: *See*—
Lyon, Joseph P., Jr.
Pines, Herman: *See*—
Ipatieff, Vladimir N., and Pines.
Plastic Binding Corporation, assignee: *See*—
Spinner, Isidore.
Polymerizable Products Limited, assignee: *See*—
Weizmann, Charles.
Ponstingl, John C., Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,435,322, Feb. 3.
Porter, Charles L., Carlsbad, N. Mex. Continuous vacuum filter. 2,435,235, Feb. 3.
Pospiail, Stanley A., Miami, Fla. Outdoor convertible grill or stove. 2,435,323, Feb. 3.
Post, Ernest K., Collingswood, N. J. Dragging equipment detector. 2,435,365, Feb. 3.
Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Shaving gears. 2,435,405, Feb. 3.
France, Edgar E., Quitman, Ga. Truss. 2,435,406, Feb. 3.
Procter & Gamble Company, The, assignee: *See*—
McClain, Herbert K.
Product Technicians, Inc., assignee: *See*—
Crumrine, Chester W.
Pryor, Durham W., Lockport, Ill. Oil well pump. 2,435,407, Feb. 3.
Publix Metal Products, Inc., assignee: *See*—
Nisenon, Jules.
Pushker, Harvey M., assignee: *See*—
Lund, Frank M.
Rabjohn, Lloyd E., Glendale, Calif. Filter cartridge. 2,435,510, Feb. 3.

Radcliffe, Milton R., Glen Rock, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Moisture proof polyvinyl films. 2,435,464, Feb. 3.
Radio Corporation of America, assignee: *See*—
Davidson, Norman R.
Herold, Edward W., and North.
Sziklai, George C., and Thalner.
Tolson, William A.
Radio Patents Corporation, assignee: *See*—
Guanella, Gustav, and Güttinger.
Vanderlaan, Charles H.
Ramberg, Walter, Chevy Chase, Md. Dynamic strain pickup. 2,435,254, Feb. 3.
Ranco Incorporated, assignee: *See*—
Raney, Estel C.
Rancourt, Alphonse, assignor to B. C. Dennis, Pittsfield, Mass. Web drier with zigzag runs. 2,435,408, Feb. 3.
Randall Company, The, assignee: *See*—
Weaver, Maxwell C., and Hall.
Raney, Estel C., Delaware County, assignor to Ranco Incorporated, Columbus, Ohio. Altimeter. 2,435,289, Feb. 3.
Rathke, Harry C.: *See*—
Klopfenstein, Jesse D., and Rathke.
Rauland Corporation, The, assignee: *See*—
Szegeh, Constantin S.
Raytheon Manufacturing Company, assignee: *See*—
Stutsman, Paul W.
Reconstruction Finance Corporation, assignee: *See*—
Hotchkiss, Arch, Jr., and Haynes.
Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Superaoustic compressor. 2,435,236, Feb. 3.
Rees, Harold: *See*—
Baker, William B., and Rees.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Time controlled valve operating mechanism. 2,435,324, Feb. 3.
Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Steam generator. 2,435,325, Feb. 3.
Remco Electronic, Inc., assignee: *See*—
Stromeyer, Charles F.
Resinous Products & Chemical Company, The, assignee: *See*—
Bruson, Herman A.
Bruson, Herman A., and Niederhauser.
Reubush, Robert F., Philadelphia, Pa. Tie stay. 2,435,237, Feb. 3.
Rice, Richard E., Winthrop, assignor, by mesne assignments, to Isthmian Metals, Inc., Boston, Mass. Making metal bodies. 2,435,511, Feb. 3.
Riche, Arthur L., assignor to Automatic Pump & Softener Corporation, Rockford, Ill. Automatic water softener. 2,435,366, Feb. 3.
Richens, Arthur W., Toronto, assignor to E. S. & A. Robinson (Canada) Limited, Leaside, Ontario, Canada. Bag making machine and method. 2,435,560, Feb. 3.
Richmond-Walker Manufacturing Company, assignee: *See*—
Richmond, William H.
Richmond, William H., Piedmont, assignor to Richmond-Walker Manufacturing Company, Oakland, Calif. Guitar steel. 2,435,512, Feb. 3.
Ridings, Garvice H.: *See*—
Wise, Raleigh J., Ridings, and Parrott.
Riedl, Arnold T.: *See*—
Erbach, Lawrence F., and Riedl.
Robinson, E. S. & A., (Canada) Limited, assignee: *See*—
Richens, Arthur W.
Rockwell-Barnes Company, assignee: *See*—
Jones, Charles E.
Rode, Frederick J., and M. R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y. Lubricating pump. 2,435,468, Feb. 3.
Rogers, Clifford R., Oak Park, W. O. Bechman, Chicago, and D. B. Baker, Riverside, Ill., assignors to International Harvester Company. Lubricant cooling radiator for rear engine vehicles. 2,435,513, Feb. 3.
Rohm & Haas Company, assignee: *See*—
Hester, William F.
Rolls-Royce Limited, assignee: *See*—
Eyre, Donald.
Roop, Elston A., Louisville, Ky., assignor to J. E. Duncan, Detroit, Mich. Pipe and tube shearing mechanism. 2,435,469, Feb. 3.
Rosenthal, Adolph H., assignor to Scophony Corporation of America, New York, N. Y. High vacuum pump. 2,435,548, Feb. 3.
Ross, Lee A., Lebanon, Pa. Portable visual indicator for machine-shop work setups. 2,435,514, Feb. 3.
Rosser, Theodore N., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator circuit. 2,435,515, Feb. 3.
Rushton, Kenneth F., Bedmond, near Watford, England. Cooling electric lamps. 2,435,409, Feb. 3.
Ruthven, Alfred L., Denver, Colo. Parachute and projecting and operating the same. 2,435,367, Feb. 3.
Sadler, Charles W., Essex, Conn. Clutch. 2,435,368, Feb. 3.
Samelson, Bernard, assignor to The Deming Company, Salem, Ohio. Pump. 2,435,470, Feb. 3.

Samson, Betty, Hollywood, Calif. Eyebrow stencil. 2,435,516, Feb. 3.
Sandin, Jerome: *See*—
Grissinger, George G., Lindstrom, and Sandin.
Scharaga, David I., Mount Vernon, N. Y. Child's convertible chair table. 2,435,290, Feb. 3.
Schlage, Anna, executrix: *See*—
Schlage, Walter R.
Schlage Lock Company, assignee: *See*—
Schlage, Walter R.
Schlage, Walter R., deceased, Burlingame; A. Schlage, executrix, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,435,238, Feb. 3.
Schmidt, William B., Chicago, Ill. Safety device for amusement park rides. 2,435,471, Feb. 3.
Schmitt, Bernard A., Chicago, Ill. Sewing machine. 2,435,291, Feb. 3.
Schmitt, Bernard A., Chicago, Ill. Sewing machine. 2,435,292, Feb. 3.
Schub, Robert I., Chicago, Ill., assignor to J. A. Stone, trustee. Removing resin coating from copper wire. 2,435,239, Feb. 3.
Schuck, Henry L., Drexel Hill, Pa., assignor to General Electric Company. Circuit interrupting device. 2,435,472, Feb. 3.
Schultze, Paul, assignor to Doran Brothers Incorporated, Danbury, Conn. Brim pouncing machine and pouncing. 2,435,293, Feb. 3.
Schwerin, Frank H., Ben Avon, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Fluid pump. 2,435,326, Feb. 3.
Schwinn, Frank W., Chicago, Ill. Die for slotting and shaping bicycle truss tube ends. 2,435,294, Feb. 3.
Scophony Corporation of America, assignee: *See*—
Rosenthal, Adolph H.
Scott & Williams Incorporated, assignee: *See*—
Curtis, Horace L., McKinley, and Miller.
Seltzer, Harry, Brooklyn, N. Y. Magnetic filter plug. 2,435,517, Feb. 3.
Semel, David, Los Angeles, Calif. Dishwashing apparatus. 2,435,240, Feb. 3.
Seuryneck, Bernard J., Detroit, Mich. Bowling ball attachment. 2,435,327, Feb. 3.
Sever, William: *See*—
Thomson, Robin H. K., and Sever.
Shell Development Company, assignee: *See*—
Archibald, Raymond C.
Archibald, Raymond C., and Trimble.
Evans, Theodore W., and Adelson.
McAllister, Sumner H., and Bullard.
Morris, Rupert C., and Evans.
Morris, Rupert C., and Van Winkle.
White, Ellis R.
Sigmund Corporation, assignee: *See*—
Sigmund, Frank J., and Hlavin.
Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation. Envelope for winding elements. 2,435,241, Feb. 3.
Silex Company, The, assignee: *See*—
Reichold, Ludwig.
Simonds, Donald R., Hillcrest, N. J., assignor to Industrial Tape Corporation. Marking or printing machine. 2,435,369, Feb. 3.
Simpson, John D., and C. M. Ball, Mount Airy, N. C. Tobacco curing furnace. 2,435,518, Feb. 3.
Simson, Walter H., Ridgewood, assignor to Duro-Test Corporation, North Bergen, N. J. Ballast structure for electron discharge devices. 2,435,410, Feb. 3.
Singer Manufacturing Company, The, assignee: *See*—
Kessler, Charles A.
Smith, Harold J.: *See*—
Golden, John F., and Smith.
Smith, Ralph E., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Chain connection. 2,435,328, Feb. 3.
Society of Chemical Industry in Basle, assignee: *See*—
Kaiser, Otto.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Diolcfin polymer resins. 2,435,411, Feb. 3.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Plasticized natural resin material. 2,435,412, Feb. 3.
Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Making gear heating coils. 2,435,242, Feb. 3.
Sonnenberg, Milo E., assignor of one-third to D. Mangan, Garden City, Kans. Posthole digger. 2,435,473, Feb. 3.
Soule, Edward C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Inhibiting the precipitation of lithium soap in an aqueous solution of lithium hypochlorite. 2,435,474, Feb. 3.
Speakman, John B.: *See*—
Johnson, Arthur, and Speakman.
Speer, George, Laurelton, Long Island, N. Y. Interval switch. 2,435,370, Feb. 3.
Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Splicing monofilament fabrics. 2,435,467, Feb. 3.
Spinner, Isidore, assignor to Plastic Binding Corporation, Chicago, Ill. Binder rings and method of making same. 2,435,561, Feb. 3.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Eye protector. 2,435,243, Feb. 3.
Sports Products Corporation, assignee: *See*—
Thommen, George S.
Stainbrook, Don M., Detroit, Mich. Pipe wrench. 2,435,329, Feb. 3.
Standard Oil Development Company, assignee: *See*—
Black, James F.
Davis, Garland H. B., and Zimmer.
Stanley, Emory D., Cranford, N. J. Pipe reamer. 2,435,413, Feb. 3.
Stasse, Henry L., Hawthorne, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of thioarbanilide and its homologs. 2,435,295, Feb. 3.
Steiner, Hans, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Free-piston engine with compressor cylinder and internal-combustion cylinder. 2,435,330, Feb. 3.
Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic clutch and final drive shaft unit for tractor vehicles. 2,435,244, Feb. 3.
Stone, Joe A., assignee, trustee: *See*—
Schub, Robert I.
Stout, James E., Mount Dora, Fla. Sectional casing. 2,435,371, Feb. 3.
Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized polymers of ethylene. 2,435,245, Feb. 3.
Street, Jabez C., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Vacuum tube amplifier. 2,435,331, Feb. 3.
Stromeyer, Charles F., Marblehead, Mass., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Aging tubes having space charge grid. 2,435,475, Feb. 3.
Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device containing perforated starting electrodes. 2,435,246, Feb. 3.
Submarine Signal Company, assignee: *See*—
Turner, Edwin E., Jr.
Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Timing valve for track sanders. 2,435,372, Feb. 3.
Sulzer Freres, Société Anonyme, assignee: *See*—
Steiner, Hans.
Summerbell, William, Washington, D. C. Extractors for guns with vertically sliding breech blocks. 2,435,247, Feb. 3.
Summers, Orran B., Morenci, Ariz. Internal-combustion power unit having a rotor with pivoted impulse element. 2,435,476, Feb. 3.
Sumter, Chester, Knoxville, Tenn. Battery carrier. 2,435,549, Feb. 3.
Sun Oil Company, assignee: *See*—
Vose, Richard S.
Sundstrand Machine Tool Co., assignee: *See*—
Ogren, Sexten P. F.
Super-Cut, Inc., assignee: *See*—
Metzger, Leopold H., and Muse.
Svenska Aktiebolaget Gasaccumulator, assignee: *See*—
Ansar, Anders J.
Swart, Frans J., Rahway, assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J. Door hanger. 2,435,296, Feb. 3.
Swartzel, Karl D.: *See*—
Bomberger, David C., Lovell, Och, Swartzel, and Weber.
Swengel, Robert C., Goldsboro, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Ferrule crimping tool. 2,435,562, Feb. 3.
Symington-Gould Corporation, The, assignee: *See*—
Couch, Glenn F.
Szegeh, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Cathode-ray tube projector. 2,435,297, Feb. 3.
Sziklai, George C., and R. R. Thalner, Princeton, N. J., assignors to Radio Corporation of America. Voltage regulated rectifier circuit. 2,435,414, Feb. 3.
Tandler, William S., and D. S. Walker, assignors, by mesne assignments, to The Western Union Telegraph Company, New York, N. Y. Inside scanning facsimile recorder. 2,435,250, Feb. 3.
Taylor-Winfield Corporation, The, assignee: *See*—
Cooper, Joseph H.
Teeter, Howard M., and J. C. Cowan, assignors to the United States of America as represented by the Secretary of Agriculture. Polyamides from polyoctadecapolyenylamine. 2,435,478, Feb. 3.
Terteling, J. A., & Sons, assignee: *See*—
Hall, Howard E.
Tewksbury, Lyndon B., Jr.: *See*—
Paul, Philip T., and Tewksbury.
Thalner, Robert R.: *See*—
Sziklai, George C., and Thalner.
Thomas, Loren, and L. Bell, Port Huron, Mich. Dispenser for matches and the like. 2,435,297, Feb. 3.

Thomas, Robert W., assignee, executor: *See*—
 Miller, Frank P.
 Thomas, Talbot E., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Curing bag. 2,435,466, Feb. 3.
 Thommen, George S., assignor to Sports Products Corporation, New York, N. Y. Golf bag shape retaining insert. 2,435,479, Feb. 3.
 Thompson, Parke H., Kirkwood, assignor to Amp Corporation, St. Louis, Mo. Fuze. 2,435,415, Feb. 3.
 Thomson, Robin H. K., Kilwinning, and W. Sever, Troon, Scotland, assignors to Imperial Chemical Industries Limited. Apparatus for ageing solutions of colloidal material. 2,435,416, Feb. 3.
 Timken-Detroit Axle Company, The, assignee: *See*—
 Buckendale, Lawrence R.
 Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Image-forming heat detector. 2,435,519, Feb. 3.
 Tome, Charles A., Wilmington, Del. Collapsible wall type container. 2,435,251, Feb. 3.
 Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Aryl phosphorus containing resins and preparing the same. 2,435,252, Feb. 3.
 Trig Corporation, assignee: *See*—
 Graham, Philip J.
 Trimble, Robert A.: *See*—
 Archibald, Raymond C., and Trimble.
 Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. System for sound ranging. 2,435,253, Feb. 3.
 Tuttle, John, Bala-Cynwyd, Pa. Expandable workpiece holder. 2,435,480, Feb. 3.
 Tykeson, Martin, Hamden, Conn. Window sash holding device. 2,435,481, Feb. 3.
 Underwood, James W.: *See*—
 D'Alelio, Gaetano F., and Underwood.
 Union Special Machine Company, assignee: *See*—
 McLendon, Philip T.
 United Aircraft Products, Inc., assignee: *See*—
 Booth, Harry T.
 Landis, Elmer.
 United Gas Improvement Company, The, assignee: *See*—
 Soday, Frank J.
 United Shoe Machinery Corporation, assignee: *See*—
 Ashworth, Fred.
 Cushman, Lee H.
 United Specialties Company, assignee: *See*—
 Eastman, David P.
 United States Rubber Company, assignee: *See*—
 Ladd, Elbert C.
 Paul, Philip T., and Tewksbury.
 Universal Oil Products Company: *See*—
 Ipatieff, Vladimir N., and Pines.
 Urquhart, Radcliffe M.: *See*—
 Kubacki, Wallace, and Urquhart.
 Van Buren, Charles J., Fort Lauderdale, Fla. Head for Venetian blinds. 2,435,373, Feb. 3.
 Vanderlaan, Charles H., Larchmont, assignor to Radio Patents Corporation, New York, N. Y. Flare. 2,435,520, Feb. 3.
 Van Leuven, John F., Pacific Palisades, Calif. Portable film rack. 2,435,298, Feb. 3.
 Van Vleet, James G., Larchmont, and G. W. Patch, Jr., Kenmore, assignors to The Linde Air Products Company, New York, N. Y. Method of and apparatus for storing and dispensing liquefied gases. 2,435,332, Feb. 3.
 Van Winkle, John L.: *See*—
 Morris, Rupert C., and Van Winkle.
 Vernon, Murray, assignor to S. E. & M. Vernon Inc., New York, N. Y. Loose leaf book construction. 2,435,521, Feb. 3.
 Vernon, S. E. & M., Inc., assignee: *See*—
 Vernon, Murray.
 Victor Chemical Works, assignee: *See*—
 Gillet, James M.
 Toy, Arthur D. F.
 Vigerust, Oliver S., and J. Layne, La Tuna, Tex. Pants dryer and shaper. 2,435,482, Feb. 3.
 Virginia-Carolina Chemical Corporation, assignee: *See*—
 Eagles, Robert P.
 Vose, Richard S., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Preparation of lubricating oil. 2,435,483, Feb. 3.
 Wagenknecht, Otto E., Chicago, Ill., assignor to Zenith Radio Corporation. Ratchet driven tuning means. 2,435,522, Feb. 3.
 Walker, David S.: *See*—
 Tandler, William S., and Walker.
 Walters, Leonard J.: *See*—
 Krafft, Herman L., and Walters.
 War, United States of America, as represented by the Secretary of, assignee: *See*—
 Lester, Horace H.
 Watson, William T., West Vancouver, British Columbia, Canada. Handle operated brake. 2,435,255, Feb. 3.
 Weaver, Maxwell C., and R. W. Hall, assignors to The Randall Company, Cincinnati, Ohio. Finish material retainer. 2,435,523, Feb. 3.
 Weber, Bruce T.: *See*—
 Bomberger, David C., Lovell, Och, Swartzel, and Weber.

Weiskopf, Edwin C., New York, N. Y. Microscope projecting and viewing apparatus. 2,435,299, Feb. 3.
 Weiskopf, Edwin C., New York, N. Y. Projector for microscopes and other magnifying devices. 2,435,300, Feb. 3.
 Weissman, Morton R., West New York, N. J. Variable condenser. 2,435,374, Feb. 3.
 Weizmann, Charles, assignor to Polymerisable Products Limited, London, England. Making acetylenic alcohols and intermediate formed therein. 2,435,524, Feb. 3.
 Wellman, Albert, Schenectady, assignor to General Electric Company. Electric contact device. 2,435,484, Feb. 3.
 Werner, Carl A., Superior, Wis. Battery bracket and holder. 2,435,375, Feb. 3.
 Western Condensing Company, assignee: *See*—
 Crews, John F.
 Western Electric Company, Incorporated, assignee: *See*—
 Brillhart, Samuel E.
 Lodge, Joseph E.
 Western Union Telegraph Company, The, assignee: *See*—
 Kline, Bernard L.
 Kline, Bernard L., and Harris.
 Tandler, William S., and Walker.
 Wilder, Harold F.
 Wilder, Harold F., and Breyfogel.
 Wise, Raleigh J., Ridings and Parrott.
 Westinghouse Air Brake Company, The, assignee: *See*—
 Hines, Claude M.
 McCune, Joseph C., and Newell.
 Westinghouse Electric Corporation, assignee: *See*—
 Grissinger, George G., Lindstrom, and Sandin.
 Ponstingl, John C.
 Redding, Arnold H.
 Wheaton, Evalyn, Detroit, Mich. Overshoe seamed to stiffen plastic upper. 2,435,485, Feb. 3.
 White, Ellis R., Albany, assignor to Shell Development Company, San Francisco, Calif. Soap compositions. 2,435,333, Feb. 3.
 White Castle System, Inc., assignee: *See*—
 Ingram, Edgar W., Sr.
 Whitmore, Henry G., Newburyport, assignor to Samuel C. Brody, Newton Centre, Mass. Hole locating and drilling device. 2,435,256, Feb. 3.
 Wilcoxon, Kenneth H., Cabin John, Md. Paper joining machine. 2,435,376, Feb. 3.
 Wilder, Harold F., Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Start-stop electronic regenerative repeater. 2,435,257, Feb. 3.
 Wilder, Harold F., Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph signal impulse measuring device. 2,435,258, Feb. 3.
 Wilder, Harold F., Wyckoff, N. J., and A. W. Breyfogel, Howard Beach, assignors to The Western Union Telegraph Company, New York, N. Y. Frequency control apparatus. 2,435,259, Feb. 3.
 Williams, Ernest, Pittsfield, Mass., assignor to General Electric Company. Operating mechanism. 2,435,486, Feb. 3.
 Williams, Joseph S., New Augusta, and W. R. Binal, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrodeposition of silver from a high silver cyanide content bath. 2,435,525, Feb. 3.
 Wingate, Norman L., Albany, Ga. Collapsible coat hanger. 2,435,301, Feb. 3.
 Wirebaugh, David W., Cincinnati, Ohio. Compensating center support. 2,435,417, Feb. 3.
 Wise, Raleigh J., Dunellen, G. H. Ridings, Summit, and R. D. Parrott, West New York, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Sheet feeder for facsimile telegraph apparatus. 2,435,260, Feb. 3.
 Wise, Rothermel, Lancaster, Pa. Man's undergarment. 2,435,377, Feb. 3.
 Wood, Clifford: *See*—
 Haddock, Norman H., and Wood.
 Woodling, George V., Cleveland, Ohio. Coupling device. 2,435,261, Feb. 3.
 Wright, Hal F., assignor to Chester Manufacturing Company, Lisbon, Ohio. Trolley locking device. 2,435,418, Feb. 3.
 Wurmsier, Alphons V., Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Self-modulated oscillator. 2,435,262, Feb. 3.
 Wurtele, Allan R., Mix, La. Conveying mechanism for harvesters. 2,435,334, Feb. 3.
 Yanchenko, Basil J.: *See*—
 Goodwin, Don O., and Yanchenko.
 York Corporation, assignee: *See*—
 Patterson, Velt C.
 Young, Betty J., assignee, et al.: *See*—
 Young, William D., and Harris.
 Young, Don H., Valley Stream, and F. R. Mallalieu, Forest Hills, assignors to Dictograph Products Company, Inc., New York, N. Y. Telephone system having a calling and supervisory signalling device. 2,435,302, Feb. 3.
 Young, Dorothy R., assignee, et al.: *See*—
 Young, William D., and Harris.
 Young, Jean A., assignee, et al.: *See*—
 Young, William D., and Harris.

Young, Nancy L., assignee, et al.: *See*—
 Young, William D., and Harris.
 Young, William D., and W. A. Harris, assignors of twenty per cent to W. D. Young, twenty per cent to D. R. Young, twenty per cent to B. J. Young, twenty per cent to J. A. Young, and twenty per cent to N. L. Young, Greenville, S. C. Multiple compartment vending machine. 2,435,526, Feb. 3.
 Zenith Radio Corporation, assignee: *See*—
 Adler, Robert.
 Wagenknecht, Otto E.
 607 O. G.—12b

Zenzen, Alexander M., assignor of one-half to Musher Foundation, Incorporated, New York, N. Y. Sugar compositions. 2,435,248, Feb. 3.
 Zenzen, Alexander M., assignor of one-half to Musher Foundation, Incorporated, New York, N. Y. Sugar base composition. 2,435,249, Feb. 3.
 Zideck, Ernest E., Detroit, assignor of one-half to J. Hagler, Ortonville, Mich. Corn popping and dispensing apparatus. 2,435,378, Feb. 3.
 Zimmer, John C.: *See*—
 Davis, Garland H. B., and Zimmer.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3d DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Shirt, Stay-down. S. Katz. 22,969, Feb. 3.

LIST OF PLANT INVENTIONS

Rose plant. J. E. Crane. 783, Feb. 3.

LIST OF DESIGN INVENTIONS

Airplane. I. Rogers. 148,578, Feb. 3.
Airplane. A. J. Thieblot. 148,595, Feb. 3.
Automobile. F. Brogan. 148,516, Feb. 3.
Badge or similar article, Lapel and pocket. R. J. Neller. 148,558, Feb. 3.
Bicycle. L. J. Simon. 148,584, Feb. 3.
Body, Truck. R. Loewy. 148,550, Feb. 3.
Body, Vehicle. J. H. Hojan, Jr., and H. J. Troche. 148,541, Feb. 3.
Bracelet. E. J. Ostheimer. 148,559-60, Feb. 3.
Bracelet or similar article. J. G. Siska. 148,585, Feb. 3.
Brooch. L. Goldsmith. 148,534, Feb. 3.
Brooch or similar article. A. Katz. 148,545-8, Feb. 3.
Brooch or similar article. A. Philippe. 148,562-6, Feb. 3.
Brooch or similar article. A. Philippe. 148,568-72, Feb. 3.
Cabinet, Phonograph. J. O. Reinecke. 148,576, Feb. 3.
Cabinet, Radio. R. D. Budlong. 148,518, Feb. 3.
Cabinet, Radio. J. D. Portanova. 148,574, Feb. 3.
Camera. M. Kaplowitz. 148,544, Feb. 3.
Cart, Bucket. A. C. Rapp. 148,575, Feb. 3.
Case, Jewel. D. J. Slater. 148,586, Feb. 3.
Clip or similar article, Pin. A. Philippe. 148,567, Feb. 3.
Clothespin. H. A. Fautoux, Jr. 148,526, Feb. 3.
Cup or similar article. V. Ross. 148,580, Feb. 3.
Dispenser, Cigarette. M. Satloff. 148,581, Feb. 3.
Dress. J. F. Strassner. 148,590-3, Feb. 3.
Figure or similar article, Bird. C. Brooks. 148,517, Feb. 3.
Finishing machine, Rotary disc surface. K. C. Atkin. 148,514, Feb. 3.
Flashlight or like article. F. Schlotterbeck. 148,582, Feb. 3.
Frame and calendar holder or similar article, Combined picture. D. Stec. 148,588, Feb. 3.
Frame, Bicycle. F. P. Fletcher. 148,531, Feb. 3.
Goggle or the like, Sun. H. C. Richards. 148,577, Feb. 3.
Golf club head. F. W. Matzle. 148,555, Feb. 3.
Grille for an electric fan and the like. R. R. Hutcheson. 148,542, Feb. 3.
Handbag. C. K. Oxenfeld. 148,561, Feb. 3.
Heater. T. L. Hand. 148,536, Feb. 3.
Heater, Electric. C. W. Sundberg and M. Ferar. 148,594, Feb. 3.

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Holder, Condiment. A. J. Flaider. 148,530, Feb. 3.
Holder, Tire. A. L. Henkel. 148,538, Feb. 3.
Housing for air conditioning apparatus or the like. G. I. Carter. 148,520, Feb. 3.
Lampstand or similar article. C. F. Galehouse. 148,533, Feb. 3.
Massaging device or similar article. L. H. Snyder. 148,587, Feb. 3.
Mirror and support therefor, Automobile rear view. R. Daon. 148,523, Feb. 3.
Mixer and cooker, Combination confectioners' and bakers'. R. M. Dublin. 148,525, Feb. 3.
Mixer, Concrete. L. G. Hilkemeier. 148,539, Feb. 3.
Mixer, Concrete. L. G. Hilkemeier and O. R. Knab. 148,540, Feb. 3.
Nebulizer or the like. A. W. Pitts. 148,573, Feb. 3.
Opener and muddler, Combination bottle. F. E. Hamilton, Jr. 148,535, Feb. 3.
Pin or similar article, Lapel. B. Kohn. 148,549, Feb. 3.
Plaque, Wall. H. Johnson. 148,543, Feb. 3.
Plate for automobiles or similar articles, Display. P. B. Searcy. 148,583, Feb. 3.
Rack, Tie. A. Waterman. 148,596, Feb. 3.
Rug or similar article of manufacture, Scatter. A. D. Clist. 148,521, Feb. 3.
Scooter, Motor. K. McLellan. 148,556-7, Feb. 3.
Shower, Doll's stall. M. A. Marshall. 148,554, Feb. 3.
Shower, Transparent doll's stall. M. A. Marshall. 148,553, Feb. 3.
Signal, Traffic. R. O. Ferguson. 148,527-9, Feb. 3.
Stick, Jumping. A. E. Bausenbach. 148,515, Feb. 3.
Stirrer, Beverage. T. Harris. 148,537, Feb. 3.
Support for phonographs, Stylus point. J. M. Dean. 148,524, Feb. 3.
Swing, Child's. J. A. MacKay. 148,551, Feb. 3.
Swing, Doll. C. R. Conger. 148,522, Feb. 3.
Shoe or the like, Athletic. M. Campagna. 148,519, Feb. 3.
Switch, Floor. R. L. Stone and F. E. Runge. 148,589, Feb. 3.
Truck or similar article, Hand. F. E. Gaines. 148,532, Feb. 3.
Wagon, Automobile station. D. G. Roos. 148,579, Feb. 3.
Walker or like article. G. I. Marcus. 148,552, Feb. 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3d DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acceleration pickup. A. E. McPherson. 2,435,231, Feb. 3.
Acenaphthenedione as parasiticide preparations. E. C. Ladd. 2,435,501, Feb. 3.
Acids from cottonseed foots, Fatty. H. K. McClain. 2,435,456, Feb. 3.
Actuating mechanism. T. J. R. Bright. 2,435,339, Feb. 3.
Acylhydrazino amino derivatives. G. F. D'Alelio and J. W. Underwood. 2,435,203, Feb. 3.
Addition products of acrylonitrile and aryl sulfones and preparing same. H. A. Bruson. 2,435,552, Feb. 3.
Adjustable automatic saw-table gauge. H. T. Caskey. 2,435,382, Feb. 3.
Affixing labels, wraps, etc. L. Cahn. 2,435,267, Feb. 3.
Air-coolers for internal-combustion turbines. D. Eyre. 2,435,557, Feb. 3.
Air cooling means for free piston engines. G. A. Mueller, Jr., and P. S. Shirley. 2,435,233, Feb. 3.
Airplane landing gear. W. L. Oden. 2,435,459, Feb. 3.
Alcohols and intermediate formed therein, Making acetylenic. C. Weizmann. 2,435,524, Feb. 3.
Aldehyde material, Preparing. C. I. Parrish. 2,435,460, Feb. 3.
Altimeter. E. C. Raney. 2,435,289, Feb. 3.
Amino arsenicals and preparing same. C. S. Hamilton. 2,435,392, Feb. 3.
Amplifier, Vacuum tube. J. C. Street. 2,435,331, Feb. 3.
Apparatus for aging solutions of colloidal material. R. H. K. Thomson and W. Sever. 2,435,416, Feb. 3.
Apparatus for aircraft, Landing and launching. J. H. Brodie. 2,435,197, Feb. 3.
Apparatus for making molds. H. J. Pattison. 2,435,507, Feb. 3.
Apparatus for mixing. M. P. Hofmann. 2,435,216, Feb. 3.
Apparatus for polishing knitting needles and the like. S. Baylin. 2,435,488, Feb. 3.
Apparatus for testing cables. S. E. Brillhart. 2,435,266, Feb. 3.
Arsenic derivatives and preparing same. C. S. Hamilton and C. K. Banks. 2,435,393, Feb. 3.
Articles from powdered materials, Method and apparatus for producing. H. H. Lester. 2,435,227, Feb. 3.
Aryl phosphorus containing resins and preparing the same. A. D. F. Toy. 2,435,252, Feb. 3.
Bag: See—
Curing bag. Vacuum cleaner bag.
Bag feeding apparatus. R. P. Eagles. 2,435,532, Feb. 3.
Bag making machine and method. A. W. Richens. 2,435,560, Feb. 3.
Ballast structure for electron discharge devices. W. H. S'mson. 2,435,410, Feb. 3.
Battery bracket and holder. C. A. Werner. 2,435,375, Feb. 3.
Battery carriage, Adjustable. R. J. Pettingill. 2,435,463, Feb. 3.
Battery carrier. C. Sumter. 2,435,549, Feb. 3.
Belt, Garter. G. M. Kimmell. 2,435,311, Feb. 3.
Belt, Safety. L. F. Erbach and A. T. Riedi. 2,435,428, Feb. 3.
Binder rings and making same. I. Spinner. 2,435,561, Feb. 3.
Bitt, Mooring. K. C. Kortum. 2,435,447, Feb. 3.
Blanket insulation and method of and apparatus for forming the same. L. M. Gilman. 2,435,347, Feb. 3.
Board: See—
Trimming board.
Book construction, Loose-leaf. M. Vernon. 2,435,521, Feb. 3.
Bowling ball attachment. B. J. Seurnyck. 2,435,327, Feb. 3.
Brake: See—
Handle operated brake.
Brim pouncing machine and pouncing. P. Schultze. 2,435,293, Feb. 3.
Briquette, Detergent. J. D. MacMahon. 2,435,453, Feb. 3.
Burner: See—
Ribbon burner.
Burner arrangement, Furnace. R. C. Hopkins. 2,435,395, Feb. 3.
Burner pot and air supply means therefor. M. D. Huston. 2,435,220, Feb. 3.
Camera, Electron diffraction. N. Davidson. 2,435,386, Feb. 3.
Carding machine. M. S. Fain. 2,435,431, Feb. 3.
Carrier: See—
Bag carrier.
Carrier for marking machines, Reciprocating work. H. P. Hintz and W. L. Klepac. 2,435,215, Feb. 3.
Carton. S. Lighter. 2,435,283, Feb. 3.

Cartridge, Filter. L. E. Rabjohn. 2,435,510, Feb. 3.
Casing, Sectional. J. E. Stout. 2,435,371, Feb. 3.
Catalyst, Preparation of spheroidal. R. C. Archibald. 2,435,379, Feb. 3.
Catalysts, Preparing. R. C. Archibald and R. A. Trimble. 2,435,380, Feb. 3.
Cathode-ray screen. G. R. Fonda. 2,435,435, Feb. 3.
Cathode-ray tube screen. C. R. Fonda. 2,435,436, Feb. 3.
Cationic isoquinoline pesticide. H. H. Mosher and F. L. Howard. 2,435,458, Feb. 3.
Chain connection. R. E. Smith. 2,435,328, Feb. 3.
Child's convertible chair table. D. I. Scharaga. 2,435,290, Feb. 3.
Chromium values from ores, Recovering. C. V. Foerster and A. T. Cape. 2,435,304, Feb. 3.
Circuit: See—
Phase synchronized pulsed Voltage regulated rectifier trigger circuit.
Vibrator circuit.
Circuit breaker. G. G. Grissinger, T. Lindstrom, and J. Sandin. 2,435,305, Feb. 3.
Circuit interrupter. J. C. Ponstingl. 2,435,322, Feb. 3.
Circuit interrupter, High-voltage. R. H. Earle. 2,435,533, Feb. 3.
Circuit interrupting device. C. L. Schuck. 2,435,472, Feb. 3.
Circuits for tracer controlled machine tools. J. J. Jaeger. 2,435,280, Feb. 3.
Closing cartons, Method and apparatus for. J. C. Lang. 2,435,398, Feb. 3.
Clutch. C. W. Sadler. 2,435,368, Feb. 3.
Coating with tungsten carbide. H. S. Hatfield. 2,435,273, Feb. 3.
Coils, Making gear heating. H. E. Somes. 2,435,242, Feb. 3.
Collapsible coat hanger. N. L. Wingate. 2,435,301, Feb. 3.
Collapsible wall type container. C. A. Tome. 2,435,251, Feb. 3.
Collar and making it, Stitchless shirt. E. C. Pfeffer, Jr., and L. M. Miller. 2,435,509, Feb. 3.
Compensating center support. D. W. Wirebaugh. 2,435,417, Feb. 3.
Compressor. B. W. Barlow. 2,435,528, Feb. 3.
Compressor, Supracoustic. A. H. Redding. 2,435,236, Feb. 3.
Condenser: See—
Variable condenser.
Container: See—
Collapsible wall type container.
Container closing method and apparatus. J. C. Lang. 2,435,397, Feb. 3.
Continuous vacuum filter. C. L. Porter. 2,435,235, Feb. 3.
Control for electric ovens. R. R. Candor. 2,435,530, Feb. 3.
Control of insects. W. F. Hester. 2,435,274, Feb. 3.
Control instrument. A. H. Jordan. 2,435,281, Feb. 3.
Control system, Heating and ignition. H. B. Holthouse. 2,435,277, Feb. 3.
Converter, Ultra high frequency triode. E. W. Herold and D. O. North. 2,435,541, Feb. 3.
Conveying mechanism for harvesters. A. B. Wurtele. 2,435,334, Feb. 3.
Conveyor structure with pivoted buckets. H. W. Hapman. 2,435,498, Feb. 3.
Corn popping and dispensing apparatus. E. E. Zideck. 2,435,378, Feb. 3.
Counter for typewriters, Word. C. W. Lamb. 2,435,450, Feb. 3.
Coupling device. G. V. Woodling. 2,435,261, Feb. 3.
Curing bag. T. E. Thomas. 2,435,466, Feb. 3.
Cutting tool. F. P. Miller. 2,435,287, Feb. 3.
Cyclic alcohols and their preparation. R. C. Morris and T. W. Evans. 2,435,403, Feb. 3.
Decalomania applying machine. J. D. Klopfenstein and H. C. Rathke. 2,435,224, Feb. 3.
Dermatome. G. J. Hood. 2,435,278, Feb. 3.
Detector, Dragging equipment. E. K. Post. 2,435,365, Feb. 3.
Detector, Image-forming heat. W. A. Tolson. 2,435,519, Feb. 3.
Device for igniting and energizing mercury rectifiers. H. Keller and C. Ehrensperger. 2,435,357, Feb. 3.
Device for launching torpedoes. B. Johnsen. 2,435,444, Feb. 3.
Diamond wheel dressing tool. W. S. Gockinga. 2,435,558, Feb. 3.

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Die for slotting and shaping bicycle truss tube ends. F. W. Schwinn. 2,435,294, Feb. 3.

Digger, Posthole. M. E. Sonnenberg. 2,435,473, Feb. 3.

Dilator and gauze packer, Combination uterine. A. B. Carmichael, Sr. 2,435,531, Feb. 3.

Dilator, Infundible. H. L. Eckard and J. W. Kennedy. 2,435,387, Feb. 3.

Dimeric octadecadienonitrile. H. A. Bruson and W. D. Niederhauser. 2,435,553, Feb. 3.

Discharge device containing perforated starting electrodes, Gaseous. P. W. Stutsman. 2,435,246, Feb. 3.

Dishwashing apparatus. D. Semel. 2,435,240, Feb. 3.

Dispenser for matches and the like. L. Thomas and L. Bell. 2,435,297, Feb. 3.

Dithio bis-arylamines, Manufacture of. P. T. Paul and L. B. Tewksbury, Jr. 2,435,508, Feb. 3.

Door hanger. F. J. Swart. 2,435,477, Feb. 3.

Door lock. W. R. Schlage. 2,435,238, Feb. 3.

Double-shank hammer-type tool. A. Curatole. 2,435,556, Feb. 3.

Drier for photographic prints. H. W. Beernink. 2,435,420, Feb. 3.

Dryer and shaper, Pants. O. S. Vigerust and J. Layne. 2,435,482, Feb. 3.

Drying of frozen materials. S. O. Levinson and F. Oppenheimer. 2,435,503, Feb. 3.

Drying wood, Apparatus and method for. M. S. Hudson. 2,435,218, Feb. 3.

Dyestuffs, Trisazo urea. O. Kaiser. 2,435,356, Feb. 3.

Dynamic strain pickup. W. Ramberg. 2,435,254, Feb. 3.

Earring. E. Farkas. 2,435,344, Feb. 3.

Electric contact device. A. Wellman. 2,435,484, Feb. 3.

Electric heater. C. E. Patisaul. 2,435,363, Feb. 3.

Electric switch. J. A. Favre. 2,435,432, Feb. 3.

Electric switch. J. Fowler. 2,435,438, Feb. 3.

Electrical cord plug. C. W. Crumrine. 2,435,341, Feb. 3.

Electrode, Coated welding. F. E. Browne. 2,435,198, Feb. 3.

Electronic brake control apparatus. C. M. Hines. 2,435,310, Feb. 3.

Electronic converter. B. D. Bedford. 2,435,187, Feb. 3.

Engine with compressor cylinder and internal-combustion cylinder, Free-piston. H. Steiner. 2,435,330, Feb. 3.

Envelope for winding elements. F. J. Sigmund and W. S. Hlavin. 2,435,241, Feb. 3.

Expandable workpiece holder. J. Tuttle. 2,435,480, Feb. 3.

Expanding die for sizing, curling, and beading metal drums. C. C. Grottes. 2,435,306, Feb. 3.

Extractors for guns with vertically sliding breech blocks. W. Summerbell. 2,435,247, Feb. 3.

Extrusion machine. D. N. Davies. 2,435,426, Feb. 3.

Eye protector. E. M. Splaine. 2,435,243, Feb. 3.

Fabric: See—
Textile fabric.

Fabrics, Splicing monofilament. G. A. Spencer. 2,435,467, Feb. 3.

Fan, Folding. F. H. Klie. 2,435,446, Feb. 3.

Fatty materials, Treating. W. R. Elpper. 2,435,208, Feb. 3.

Feeder for facsimile telegraph apparatus. Sheet. R. J. Wise, G. H. Hiding, and R. D. Parrott. 2,435,260, Feb. 3.

Ferrule crimping tool. R. C. Swengel. 2,435,562, Feb. 3.

Filter: See—
Continuous vacuum filter.

Firearm and stock structure therefor. C. H. Howell, Jr. 2,435,217, Feb. 3.

Flare. C. H. Vanderlaan. 2,435,520, Feb. 3.

Floating seat. C. Hajduk. 2,435,497, Feb. 3.

Fluid composition, Drilling. J. M. Gillet. 2,435,211, Feb. 3.

Fluid pump. F. H. Schwerin. 2,435,326, Feb. 3.

Foam forming apparatus. W. Kubacki and R. M. Urquhart. 2,435,449, Feb. 3.

Food freezing apparatus. V. C. Patterson. 2,435,462, Feb. 3.

4,4'-bis(pyrazolone-1-carboxamide and thiocarboxamide) couplers for color photography. A. Bavy. 2,435,550, Feb. 3.

Frequency control apparatus. H. F. Wilder and A. W. Breyfogel. 2,435,259, Feb. 3.

Fuel injection device for internal-combustion engines, Preheated. R. H. Hancock. 2,435,213, Feb. 3.

Furnace: See—
Tobacco curing furnace.

Fuze. P. H. Thompson. 2,435,415, Feb. 3.

Gage: See—
Adjustable automatic saw-table gage. Internal micrometer gage.
Hardness and thickness Taper thread gage.
Gauge.

Garden stake with chamber for plant growth. W. L. Gould. 2,435,539, Feb. 3.

Garment spotting apparatus. D. O. Goodwin and B. J. Yanchenko. 2,435,439, Feb. 3.

Gates of die castings, Trimming. L. H. Morin. 2,435,505, Feb. 3.

Gauge: See—
Adjustable automatic saw-table gage. Internal micrometer gage.
Hardness and thickness Taper thread gage.
Gauge.

Gear: See—
Airplane landing gear.
Gear and brake for aircraft, Landing. R. W. Brown. 2,435,465, Feb. 3.

Generator: See—
Steam generator.

Golf bag shape retaining insert. G. S. Thommen. 2,435,479, Feb. 3.

Grapple. W. B. Baker and H. Rees. 2,435,265, Feb. 3.

Grill or stove, Outdoor convertible. S. A. Pospisil. 2,435,323, Feb. 3.

Guide, Index. C. E. Jones. 2,435,221, Feb. 3.

Guiding means for shoe sewing machines, Work. F. Ashworth. 2,435,193, Feb. 3.

Gyro top. W. T. Pearson. 2,435,364, Feb. 3.

Hand finishing tool. W. H. Andrews. 2,435,335, Feb. 3.

Handle: See—
Mattress handle.
Handle for hand saws, Angularly-adjustable. I. Kolodner and J. Munves. 2,435,225, Feb. 3.

Handle operated brake. W. T. Watson. 2,435,255, Feb. 3.

Hanger: See—
Collapsible coat hanger. Door hanger.
Hardness and thickness gauge. T. Groff. 2,435,348, Feb. 3.

Harvester with toppler and ejector. H. E. Hall. 2,435,350, Feb. 3.

Hatch beam track, Rolling. J. G. Deegan. 2,435,190, Feb. 3.

Head for venetian blinds. C. J. Van Buren. 2,435,373, Feb. 3.

Headstock and centering rest assembly. R. G. Le Tourneau, C. Graham, and H. G. Huth. 2,435,451, Feb. 3.

Heater: See—
Electric heater.
Heater and head output indicator therefor, Space. E. M. Douthat. 2,435,342, Feb. 3.

Heating device, Regenerative. J. F. Crews. 2,435,424, Feb. 3.

Herbicides. J. H. Davidson. 2,435,204, Feb. 3.

High vacuum pump. A. H. Rosenthal. 2,435,548, Feb. 3.

Hinge construction in molded receptacle. P. J. Graham. 2,435,272, Feb. 3.

Hitch, Trailer. P. Chaffin. 2,435,383, Feb. 3.

Holder: See—
Battery bracket and Expandable workpiece holder.
Holding device, Window sash. M. Tykeson. 2,435,481, Feb. 3.

Hole locating and drilling device. H. G. Whitmore. 2,435,256, Feb. 3.

Hook for sewing machine, Rotary. C. A. Kessler. 2,435,358, Feb. 3.

Housing with dish-shaped sides, Disintegrator. C. W. Lanter. 2,435,226, Feb. 3.

Hydraulic clutch and final drive shaft unit for tractor vehicles. W. T. Stephens. 2,435,244, Feb. 3.

Hydrocarbons from carbon monoxide and hydrogen, Production of. J. F. Black. 2,435,551, Feb. 3.

Hydrocarbons from nongem cyclic hydrocarbons by selective dehydrogenation, Separation of gem cyclic. V. N. Ipatieff and H. Pines. 2,435,443, Feb. 3.

Hydrocarbons with a beryllium phosphate catalyst, Cracking of. G. R. Bond, Jr., and G. A. Mills. 2,435,196, Feb. 3.

Hydrogenation of sulfolane ethers. R. C. Morris and J. L. Van Winkle. 2,435,404, Feb. 3.

Ice machine. L. V. Lucia. 2,435,285, Feb. 3.

Impulse modulation system. G. Guanelia and P. Güttinger. 2,435,496, Feb. 3.

Indicator for machine-shop work setups, Portable visual. L. A. Ross. 2,435,514, Feb. 3.

Isolalhydantoin, Preparation of. J. E. Livak and M. F. Murray. 2,435,399, Feb. 3.

Inertia operated control device. J. C. McCune and G. K. Newell. 2,435,319, Feb. 3.

Ink, Marking. B. L. Kline. 2,435,222, Feb. 3.

Inker for cylinder presses, Color. A. W. Linn and A. C. Forbes. 2,435,452, Feb. 3.

Insect trap. E. N. McGrew. 2,435,317, Feb. 3.

Insole for shoes, Laminated. A. Billingsley. 2,435,337, Feb. 3.

Internal-combustion power unit having a rotor with pivoted impulse elements. O. B. Summers. 2,435,476, Feb. 3.

Internal micrometer gauge. P. F. Adrian. 2,435,263, Feb. 3.

Interval switch. G. Speer. 2,435,370, Feb. 3.

Intervalometer calibration checker. J. A. Fahrner. 2,435,210, Feb. 3.

Lamps, Cooling electric. K. F. Rushton. 2,435,409, Feb. 3.

Laryngoscope. W. K. Long. 2,435,400, Feb. 3.

Latching mechanisms for electric switching devices. C. D. Hayward. 2,435,433, Feb. 3.

Lens grinding apparatus, Eyeglass. L. H. Metzger and W. B. Muse. 2,435,320, Feb. 3.

Lining for shoes forming prescription pockets, Special. R. E. Knowles. 2,435,313, Feb. 3.

Lithium soap in an aqueous solution of lithium hypochlorite, Inhibiting the precipitation of. E. C. Soule. 2,435,474, Feb. 3.

Lock: See—
Door lock.
Locking mechanism for type wheels of printing machines. F. Kosmer. 2,435,434, Feb. 3.

Loom letoff mechanism. J. O. Foster and G. R. Clawson. 2,435,437, Feb. 3.

Lubricating pump. F. J. Rode and M. R. Hatch. 2,435,468, Feb. 3.

Machine for making paper cups. L. M. Harvey. 2,435,308, Feb. 3.

Machine tool. S. P. F. Ogren. 2,435,321, Feb. 3.

Machine with conveyors providing plural treated material paths, Dehydrating. B. C. Mathews. 2,435,455, Feb. 3.

Magnesium ore briquettes, Producing. J. P. Dick. 2,435,495, Feb. 3.

Magnetic control device. L. L. Cunningham. 2,435,425, Feb. 3.

Magnetic field indicating means. E. L. Holmes. 2,435,276, Feb. 3.

Magnetic filter plug. H. Seltzer. 2,435,517, Feb. 3.

Marking or printing machine. D. R. Simonds. 2,435,360, Feb. 3.

Match book holder with wind guard. M. Berg. 2,435,491, Feb. 3.

Material handling apparatus. J. J. Hite. 2,435,353, Feb. 3.

Mattress handle. A. Fridolph. 2,435,388, Feb. 3.

Mechanism for blanking material for cups or the like. L. M. Harvey. 2,435,309, Feb. 3.

Mercaptans, Production of. J. P. Lyon, Jr. 2,435,545, Feb. 3.

Metal bodies, Making. R. E. Rice. 2,435,511, Feb. 3.

Metal-phthalocyanines containing halomethyl groups and preparing same. N. H. Haddock and C. Wood. 2,435,307, Feb. 3.

Microscope projecting and viewing apparatus. E. C. Weiskopf. 2,435,299, Feb. 3.

Microwave operated mechanism. R. G. Clapp. 2,435,423, Feb. 3.

Modulating and amplifying system. M. Nikis. 2,435,547, Feb. 3.

Motor: See—
Valved-cylinder type motor.
Motor drive, Reversible. D. H. Graham. 2,435,440, Feb. 3.

Motor fuels, Production of. S. H. McAllister and E. F. Bullard. 2,435,402, Feb. 3.

Needle cam for circular knitting machines. H. L. Curtis and G. H. McKinley. 2,435,269, Feb. 3.

Network, Data smoothing. D. C. Bomberger, C. A. Lovell, H. G. Och, K. D. Swartzel, and B. T. Weber. 2,435,195, Feb. 3.

Nitrating organic compounds. V. R. Kokatnur. 2,435,314, Feb. 3.

Nonfoaming compositions. G. H. B. Davis and J. C. Zimmer. 2,435,206, Feb. 3.

Nonfoaming compositions and making same. G. H. B. Davis and J. C. Zimmer. 2,435,205, Feb. 3.

Oil control valve. H. T. Booth. 2,435,338, Feb. 3.

Oil, Preparation of lubricating. R. S. Vose. 2,435,483, Feb. 3.

Oil well pump. D. W. Pryor. 2,435,407, Feb. 3.

Olefin. Kneader polymerization. M. D. Mann, Jr. 2,435,229, Feb. 3.

Opener, Envelope. H. L. Dowell. 2,435,271, Feb. 3.

Operating mechanism. E. Williams. 2,435,486, Feb. 3.

Optical focusing means for image translating devices. C. C. Larson. 2,435,316, Feb. 3.

Ores, Treatment of marmatitic zinc. N. C. Christensen. 2,435,340, Feb. 3.

Organic compounds, Nitrating. V. R. Kokatnur. 2,435,544, Feb. 3.

Oscillator, Self-modulated. A. V. Wurmsier. 2,435,262, Feb. 3.

Overshoe seamed to stiffen plastic upper. E. Wheaton. 2,435,485, Feb. 3.

Package construction. E. W. Ingram, Sr. 2,435,355, Feb. 3.

Package opener and closure, Cigarette. J. Maldonado. 2,435,454, Feb. 3.

Packing assembly for water pistols. J. W. Arpin. 2,435,527, Feb. 3.

Panel and connecting means therefor. W. E. Manhard. 2,435,286, Feb. 3.

Paper, Demetallizing metallized. R. A. Grouse. 2,435,441, Feb. 3.

Paper joining machine. K. H. Wilcoxon. 2,435,376, Feb. 3.

Parachute and projecting and operating the same. A. L. Ruthven. 2,435,367, Feb. 3.

Parasiticide preparations. E. C. Ladd. 2,435,499, Feb. 3.

Perforator, Wallpaper. E. T. Hall. 2,435,349, Feb. 3.

Phase control system. B. D. Bedford. 2,435,188, Feb. 3.

Phase converting system. B. D. Bedford. 2,435,189, Feb. 3.

Phase synchronized pulsed trigger circuit. T. L. Dimond. 2,435,207, Feb. 3.

Piles and making same. E. Freyssinet. 2,435,345, Feb. 3.

Pipe and tube shearing mechanism. E. A. Roop. 2,435,469, Feb. 3.

Pipe wrench. D. M. Stainbrook. 2,435,329, Feb. 3.

Piston engine, opposed, separate air and fuel supply, Multiple. M. Mallory. 2,435,361, Feb. 3.

Piston engines, Regulating the scavenging of free. W. A. Morain. 2,435,232, Feb. 3.

Plastic materials, Process and apparatus for extruding. N. Lester. 2,435,282, Feb. 3.

Platen drive for flash butt welders. J. H. Cooper. 2,435,494, Feb. 3.

Plug: See—
Electrical cord plug. Magnetic filter plug.
Polyamides from polyoctadecapolyenylamine. H. M. Teeter and J. C. Cowan. 2,435,478, Feb. 3.

Polymerization apparatus. M. D. Mann, Jr. 2,435,228, Feb. 3.

Polymers of ethylene, Stabilized. D. E. Strain. 2,435,245, Feb. 3.

Polyvinyl films, Moistureproof. M. R. Radcliffe. 2,435,464, Feb. 3.

Polyvinylidene fluoride and obtaining the same. T. A. Ford and W. E. Hanford. 2,435,537, Feb. 3.

Port structure for tilting hearth furnaces, Water-cooled. H. L. McFeaters. 2,435,318, Feb. 3.

Portable film rack. J. F. Van Leuven. 2,435,298, Feb. 3.

Power factor regulating apparatus. E. H. Haug. 2,435,214, Feb. 3.

Projector, Cathode-ray tube. C. S. Czegho. 2,435,296, Feb. 3.

Projector for microscopes and other magnifying devices. E. C. Weiskopf. 2,435,300, Feb. 3.

Propeller, Adjustable pitch. G. W. Hardy. 2,435,540, Feb. 3.

Propeller drive, Auxiliary. R. P. Martin. 2,435,401, Feb. 3.

Protector: See—
Eye protector.

Pump: See—
Fluid pump. Oil well pump.
High vacuum pump. Vane-type pump.
Lubricating pump.
Pump. B. Samelson. 2,435,470, Feb. 3.

Rack: See—
Portable film rack.
Radiator for rear engine vehicles, Lubricant cooling. C. R. Rogers, W. O. Bechman and D. B. Baker. 2,435,513, Feb. 3.

Radio signaling means for aviation trainers. G. L. Lang. 2,435,502, Feb. 3.

Rail anchor. J. P. Heuer. 2,435,352, Feb. 3.

Ratchet driven tuning means. O. E. Wagenknecht. 2,435,522, Feb. 3.

Reamer, Pipe. E. D. Stanley. 2,435,413, Feb. 3.

Record changer for phonographs, Automatic. A. J. Ansar. 2,435,264, Feb. 3.

Recorder, Inside scanning facsimile. W. S. Tandler and D. S. Walker. 2,435,250, Feb. 3.

Reel: See—
Yarn-advancing reel.

Refrigeration system including an internal-combustion engine and control means therefor. P. E. Cary. 2,435,493, Feb. 3.

Regenerator for open hearths and the like. J. F. McLimans and L. L. Ausland. 2,435,230, Feb. 3.

Repeater, Start-stop electronic regenerative. H. F. Wilder. 2,435,257, Feb. 3.

Resin bonded abrasives and making the same, Mixed. L. Coes, Jr. 2,435,555, Feb. 3.

Resin coating from copper wire, Removing. R. I. Schub. 2,435,239, Feb. 3.

Resin material, Plasticized natural. F. J. Soday. 2,435,412, Feb. 3.

Resins, Alkyd. T. W. Evans and D. E. Adelson. 2,435,429, Feb. 3.

Resins, Diolfin polymer. F. J. Soday. 2,435,411, Feb. 3.

Resins, Phenolic-alkyd. L. Coes, Jr. 2,435,554, Feb. 3.

Retainer, Finish material. M. C. Weaver and R. W. Hall. 2,435,523, Feb. 3.

Ribbon burner. S. H. Gunderman. 2,435,391, Feb. 3.

Ring for adjustable toolholders, Centering. A. F. Koch. 2,435,396, Feb. 3.

Rod: See—
Welding rod.
Rod suspension for tandem axle vehicles, Resilient torsion. L. R. Buckendale. 2,435,199, Feb. 3.

Roller, Hair. C. S. Hirsch. 2,435,275, Feb. 3.

Rubber coated steel object. O. E. Adler. 2,435,191, Feb. 3.

Safety device for amusement park rides. W. B. Schmidt. 2,435,471, Feb. 3.

Saw, Two-wheeled type log- and tree-cutting power. G. Arseneau. 2,435,192, Feb. 3.

Scaffolding. W. A. Parker. 2,435,461, Feb. 3.

Scaler and scraper, Combination ash. S. H. Hay. 2,435,351, Feb. 3.

Screen: See—
Cathode-ray tube screen.

Seat: See—
Floating seat.

Servo selector valve. J. Mercier. 2,435,546, Feb. 3.

Sewing machine. B. A. Schmitt. 2,435,291-2, Feb. 3.

Sewing machine, Rope whipping. P. T. McLendon. 2,435,457, Feb. 3.

Shackle. R. E. Belvel. 2,435,336, Feb. 3.

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- Shaving gears. W. S. Praeg. 2,435,405, Feb. 3.
 Shield for the bottom edges of trouser legs. G. W. Blank. 2,435,402, Feb. 3.
 Shock absorber. R. A. Clay. 2,435,200, Feb. 3.
 Shut-off and signalling apparatus. Power. L. W. Downey. 2,435,343, Feb. 3.
 Shutter, Window screen. G. A. Borts. 2,435,381, Feb. 3.
 Silver from a high silver cyanide content bath, Electrodeposition of. J. S. Williams and W. R. Binai. 2,435,525, Feb. 3.
 Soap compositions. E. R. White. 2,435,333, Feb. 3.
 Solvent for degreasing iron and aluminum. W. Klabunde. 2,435,312, Feb. 3.
 Sound projecting apparatus. W. C. Eaves. 2,435,535, Feb. 3.
 Sound reproducer, Electropneumatic. W. C. Eaves. 2,435,534, Feb. 3.
 Splice for conductors and splicing conductors. J. E. Lodge. 2,435,284, Feb. 3.
 Steam generator. L. Reichold. 2,435,325, Feb. 3.
 Steel, Guitar. W. H. Richmond. 2,435,512, Feb. 3.
 Steering means for agricultural implements. J. Morkoski. 2,435,506, Feb. 3.
 Stencil, Eyebrow. B. Samson. 2,435,516, Feb. 3.
 Stocking and method of production. E. B. Beacham. 2,435,489, Feb. 3.
 Storing and dispensing liquefied gases, Method of and apparatus for. J. G. Van Vleet and G. W. Patch, Jr. 2,435,332, Feb. 3.
 Sugar base composition. A. M. Zenzes. 2,435,249, Feb. 3.
 Sugar compositions. A. M. Zenzes. 2,435,248, Feb. 3.
 Support: See—
 Compensating center support. Venetian blind tilt-bar support.
 Switch: See—
 Electric switch. Interval switch.
 Switch for automobiles, Stop light. W. R. Good. 2,435,380, Feb. 3.
 System for filters. Wet cleanout. N. L. Cooperider. 2,435,201, Feb. 3.
 System for sound ranging. E. E. Turner, Jr. 2,435,253, Feb. 3.
 T-square head. J. Brockley. 2,435,529, Feb. 3.
 Table: See—
 Child's convertible chair table.
 Tank for lubricating systems, Oil. E. Landis. 2,435,359, Feb. 3.
 Tank track. W. J. Bigley, Jr. 2,435,194, Feb. 3.
 Taper thread gage. G. E. Childs. 2,435,268, Feb. 3.
 Telegraph signal impulse measuring device. H. F. Wilder. 2,435,258, Feb. 3.
 Telegraph signals, Producing facsimile. B. L. Kline and R. W. Harris. 2,435,223, Feb. 3.
 Telephone system having a calling and supervisory signaling device. D. H. Young and F. R. Mallalieu. 2,435,302, Feb. 3.
 Textile fabric. A. Johnson and J. B. Speakman. 2,435,543, Feb. 3.
 Thio-carbanilide and its homologs, Preparation of. H. L. Stasse. 2,435,295, Feb. 3.
 Tie and tie plate assembly. P. D. Grover. 2,435,390, Feb. 3.
 Tie stay. R. F. Reubush. 2,435,237, Feb. 3.
 Tobacco curing furnace. J. D. Simpson and C. M. Ball. 2,435,518, Feb. 3.
 Tool: See—
 Cutting tool. Ferrule crimping tool.
 Diamond wheel dressing tool. Hand finishing tool.
 Double-shank hammer-type tool. Machine tool.
 Toolholder. J. F. Golden and H. J. Smith. 2,435,212, Feb. 3.
 Tool post assembly for machine tools. R. L. Dorn. 2,435,303, Feb. 3.
 Toothbrush, Adjustable. J. P. Hawley. 2,435,394, Feb. 3.
 Toothbrush, Power-operated. P. H. Blair. 2,435,421, Feb. 3.
 Top, Flying. J. Kerezi. 2,435,445, Feb. 3.
 Trap: See—
 Insect trap.
 Trimming board. F. M. Lund. 2,435,559, Feb. 3.
 Trolley locking device. H. F. Wright. 2,435,418, Feb. 3.
 Trousers slacks. M. C. Bohr. 2,435,422, Feb. 3.
 Truck, Friction damped railway. G. F. Couch. 2,435,385, Feb. 3.
 Truck, Ride control. C. J. Clasen. 2,435,384, Feb. 3.
 Truss. E. E. Prance. 2,435,406, Feb. 3.
 Tube and control therefor, Electronic. P. H. Craig. 2,435,202, Feb. 3.
 Tubes having space charge grid, Ageing. C. F. Stromeyer. 2,435,475, Feb. 3.
 Tubular frame structures, Manufacturing. H. L. Kraeft and L. J. Walters. 2,435,448, Feb. 3.
 Tuning arrangement for concentric transmission line resonators. A. M. Gurewitsch. 2,435,442, Feb. 3.
 Tunnel, Defrosting. W. L. Gibboney. 2,435,538, Feb. 3.
 Turbine wheel. D. P. Eastman. 2,435,427, Feb. 3.
 Turret attachment for drill presses. A. Hotchkiss, Jr., and H. E. Haynes. 2,435,354, Feb. 3.
 2,3-epoxy-1,2,3,4-tetrahydronaphthalenedione-1,4 as parasiticide preparations. E. C. Ladd. 2,435,500, Feb. 3.
 Undergarment, Man's. R. Wise. 2,435,377, Feb. 3.
 Vacuum cleaner bag. A. and E. W. Beager. 2,435,490, Feb. 3.
 Valve: See—
 Oil control valve. Servo selector valve.
 Valve for track sanders, Timing. H. N. Sudduth. 2,435,372, Feb. 3.
 Valve operating mechanism, Time controlled. H. M. Reeves. 2,435,324, Feb. 3.
 Valved-cylinder type motor. L. H. Cushman. 2,435,270, Feb. 3.
 Vane type pump. E. F. Hubacker. 2,435,279, Feb. 3.
 Variable condenser. M. R. Weissman. 2,435,374, Feb. 3.
 Variable pitch propeller. H. G. Leiner. 2,435,360, Feb. 3.
 Vending machine, Multiple compartment. W. D. Young and W. A. Harris. 2,435,526, Feb. 3.
 Veneer laminate, Making flexible. A. Elmendorf. 2,435,209, Feb. 3.
 Venetian blind tilt-bar support. J. Niesenson. 2,435,288, Feb. 3.
 Vibrator circuit. T. N. Rosser. 2,435,515, Feb. 3.
 Vibrator, Electromechanical. R. Adler. 2,435,487, Feb. 3.
 Volt-ampere regulating arrangements for parallel-connected alternating current sources, Power and reactive. H. Bany. 2,435,419, Feb. 3.
 Voltage regulated rectifier circuit. G. C. Sziklai and R. R. Thalner. 2,435,414, Feb. 3.
 Waistband, Adjustable. S. Kreps. 2,435,315, Feb. 3.
 Water softener, Automatic. A. L. Riche. 2,435,366, Feb. 3.
 Wax acids separation process. F. G. Hess. 2,435,542, Feb. 3.
 Web drier with zig-zag runs. A. Rancourt. 2,435,408, Feb. 3.
 Welding rod. D. L. Mathias. 2,435,504, Feb. 3.
 Wheel: See—
 Turbine wheel.
 Wheel dresser, Grinding. G. Munro. 2,435,234, Feb. 3.
 Wood, Dehydrating and impregnating. M. S. Hudson. 2,435,219, Feb. 3.
 Work-supporting structure and protective means for furnaces and the like. W. A. Morton. 2,435,362, Feb. 3.
 Wrench: See—
 Pipe wrench.
 Wrench for removing the backs of waterproof watches. L. Ghiglietti. 2,435,346, Feb. 3.
 Wringer. D. K. Ferris. 2,435,536, Feb. 3.
 Yarn-advancing reel. A. L. Ewing. 2,435,430, Feb. 3.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 3, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Department of Commerce

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LAWRENCE C. KINGSLAND, *Commissioner*

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Condition of Applications Under Examination at Close of Business Jan. 23, 1948

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
(Total number of applications awaiting action, excluding Trade-Mark Division, 152,950; Trade-Mark Division, 29,853. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 12, 1946.)			
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 10	May 8	3,528
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Apr. 11	Feb. 15	3,958
3. MARMELESTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus).....	†Mar. 26	Oct. 9	1,585
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	May 29	July 15	4,010
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters.....	Jan. 31	Feb. 21	2,308
6. SURLE, H., Carbon Chemistry (part).....	Nov. 8	†Feb. 3	1,341
7. HANLIN, GEORGE, Optics; Photographic Apparatus.....	†Apr. 1	†Jan. 6	1,852
8. IMUS, A. E., Furniture; Racks and Cabinets.....	Apr. 19	Apr. 12	4,021
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.....	June 14	Mar. 21	2,416
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators; Piezo-electric Crystals.	†Apr. 16	†Jan. 14	808
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†May 2	†May 3	833
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	Dec. 12	June 13	1,981
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning....	Apr. 6	Mar. 19	2,459
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery....	†Jan. 28	Nov. 4	1,175
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.....	Aug. 5	Feb. 14	2,013
16. LOVEWELL, N. N., Telegraphy; Telephony.....	†Apr. 7	Oct. 12	1,813
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	Sept. 10	May 9	1,798
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	May 21	Apr. 5	1,717
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.....	July 11	July 17	1,916
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	May 15	May 28	2,119
21. MADER, R. C., Textiles.....	†Mar. 28	†Jan. 2	1,138
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.....	Aug. 9	June 6	1,898
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education.....	May 9	Mar. 28	1,337
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.....	†Mar. 24	†Mar. 20	1,809
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Nov. 27	June 3	1,747
26. YOUNG, R. R., Electricity—Generation and Motive Power.....	†Jan. 4	Apr. 24	1,558
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Oct. 28	Aug. 3	2,900
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Aug. 5	Aug. 9	1,200
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Oct. 9	June 1	2,875
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	†Jan. 9	Aug. 2	2,400
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	†Apr. 5	†Mar. 20	2,095
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Apr. 6	Apr. 9	2,884
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.	Apr. 27	Mar. 22	3,490
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	July 1	Mar. 2	1,354
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 10	June 24	2,765
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.....	Apr. 5	Mar. 26	2,090
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.....	†Apr. 2	Sept. 11	1,531
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber.....	Sept. 21	Aug. 19	1,777
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.....	Mar. 18	Feb. 13	2,826
40. DRUMMOND, E. J., Receptacles (part); Packages.....	†Jan. 18	June 6	3,089
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	Mar. 28	Mar. 4	2,674
42. MARANS, H., Electric Signaling; Variable Transformer and Reactor Structure; Electricity, Voltage Magnitude and Phase Control Systems.	†Mar. 15	†Feb. 21	906
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	†May 1	†Mar. 12	1,417
44. HARVEY, L. P., Refrigeration; Preserving.....	Mar. 7	Feb. 18	1,312
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	May 10	Mar. 18	2,832
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	Aug. 2	May 27	1,842

NOTE.—The dates given are 1946 except where † indicates 1947.

Condition of Applications Under Examination—Continued

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
(Total number of applications awaiting action, excluding Trade-Mark Division, 152,950; Trade-Mark Division, 29,563. Oldest new case, Jan. 31, 1946; oldest amended, Jan. 12, 1946.)			
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes.....	Dec. 26	Oct. 1	1,973
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters.....	May 31	May 11	1,653
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.....	Oct. 16	July 2	1,649
50. LEVIN, SAMUEL, Synthetic Resins.....	†Feb. 6	Oct. 10	2,377
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.....	†Jan. 8	Aug. 2	1,936
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.....	Nov. 5	July 8	3,763
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter; Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.....	Apr. 24	Mar. 6	3,549
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.....	†Feb. 5	Oct. 25	1,960
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet.....	†Jan. 2	Apr. 5	1,837
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing.....	†Mar. 21	†Feb. 19	1,179
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.....	May 11	Apr. 17	3,519
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.....	Nov. 22	June 24	1,401
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).....	May 23	May 1	2,085
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.....	†Apr. 19	Oct. 11	1,508
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.....	July 8	May 1	3,188
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors.....	Aug. 14	May 21	1,591
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.....	†Feb. 12	†Jan. 22	1,599
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous.....	†May 24	†June 2	1,850
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors.....	†Apr. 14	Oct. 28	1,219
66. LISANN, I., Geometrical Instruments.....	Apr. 2	Jan. 12	2,228
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation.....	July 19	May 2	2,113
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control.....	†Jan. 24	Sept. 20	1,591
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters.....	July 20	Apr. 30	1,085
TRADE-MARKS: MERCHANT, J. H.....	†July 5	†Aug. 4	29,853
DESIGNS: BREHM, G. L.....	June 24	†Aug. 12	8,123

NOTE.—The dates given are 1946 except where † indicates 1947.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WALDIE

No. 5339. Decided November 17, 1947

[164 F.2d 375; 76 USPQ 55]

1. APPLICATION—DEFINITION OF TERMS.

Where the claims on appeal include the term "dehydrated castor oil" and appellant relies upon his specification to define the term, and the specification points out that the dehydrated castor oil is treated "in a certain manner," but the appellant still calls his material "dehydrated castor oil" and it, obviously, properly responds to that term, *Held* that the Patent Office view that the term should be given its usual and ordinary meaning, that the term should be given the broadest meaning of which it is susceptible, is proper.

2. PATENTABILITY—WRINKLING VARNISH.

Certain claims to a wrinkling varnish and the method of making *Held* not distinguishing patentably over the prior art.

APPEAL from the Patent Office. Serial No. 426,899.

AFFIRMED.

Toulmin & Toulmin (H. A. Toulmin, Jr., H. H. Brown, and John M. Mason of counsel) for Waldie.
W. W. Cochran (E. L. Reynolds of counsel) for the Commissioner of Patents.

BLAND, J.:

The Primary Examiner of the United States Patent Office rejected all the claims of appellant's application for a patent on a wrinkling varnish and method of making the same, and, upon appeal to the Board of Appeals, the Examiner's action was affirmed. From the Board's decision appellant has here appealed.

Appellant appealed as to all the rejected claims but here moved to dismiss his appeal as to seven of the rejected claims, leaving for our consideration claims 4, 5, 6, 10, 14, 15 and 16. Appellant's motion to dismiss will be granted.

The alleged invention deals with making a wrinkling varnish in which dehydrated castor oil is used in place of the more expensive types of wrinkling oils such as China-wood oil or oiticica oil. According to appellant's teaching in his application, the dehydrated castor oil is obtained by heating raw castor oil in the presence of a dehydrating catalyst at a temperature of 600 to 650° F. The oil is then allowed to cool to a temperature of substantially 350 to 400° F., is blown with air at this temperature, and is thereafter admixed with a soluble drier, a hydrocarbon solvent, and a hardening agent. The method is said to produce a coating composition adapted to form a uniform wrinkle surface when

baked at a temperature of 200 to 250° F. for approximately one hour.

Claims 4 and 14 appear to be representative of the appealed subject matter and follow:

4. A wrinkling varnish comprising blown dehydrated castor oil, oil soluble drier, hydrocarbon solvent, and a hardening agent comprising a short oil varnish.

14. The method of making wrinkling varnish which comprises heating raw castor oil at from 600 to 650° F. in the presence of a dehydrating catalyst, cooling the dehydrated castor oil to substantially 350 to 400° F., blowing with air, and thereafter admixing with oil soluble drier and hydrocarbon solvent to produce a coating composition adapted to produce a wrinkle surface when baked at 200 to 250° F. for approximately one hour.

The references relied upon are: Root, 1,689,892, October 30, 1928; "A Study of Bodying Dehydrated Castor Oil With Other Oils," C. D. I. C. Club, Scientific Section of National Paint, Varnish and Lacquer Association, 1939, pages 51 to 60, inclusive.

The Examiner rejected the appealed claims as unpatentable over the C. D. I. C. paper in view of the Root patent and also rejected claim 14 as being drawn to an aggregation.

The patent to Root discloses a varnish of the type here involved in which China-wood oil is used instead of the dehydrated castor oil used in appellant's process.

The C. D. I. C. Club publication shows that it is old to substitute "Isoline," which is a dehydrated castor oil, for China-wood oil in the making of a wrinkle varnish.

[1] The chief question presented here involves primarily a question of law. It will be noticed that in claim 4, as in other appealed claims, the varnish is described as comprising "dehydrated castor oil," while in claim 14 the particular method of preparing the raw castor oil by heating to certain temperatures, blowing with air, etc., is recited. Appellant argues that the references do not disclose the character of dehydrated castor oil which he mentions in his specification and relies upon his specification to define the term "dehydrated castor oil." His specification points out that the dehydrated castor oil is treated in a certain manner, as heretofore stated, but the appellant still calls his material "dehydrated castor oil" and it, obviously, properly responds to that term.

The Board held that "dehydrated castor oil" should be given its usual and ordinary meaning and that, when this term is so construed, the claims read upon the prior art as applied by the Examiner.

The Solicitor for the Patent Office points out that under such circumstances it is the settled rule in the Patent Office, when considering the allowability

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of claims, to give controverted terms the broadest meaning of which they are susceptible, and that appellant cannot distinguish from the prior art, after having used the term "dehydrated castor oil," by stating that his treatment of the castor oil makes a different kind of oil from that called for in the claims. The Solicitor further points out that if the novelty and invention are claimed to rest in the manner of dehydrating the castor oil the claims should at least cover this phase of the process.

We think the Patent Office view of this legal question is proper. As the issue is presented, it makes no difference how appellant treated his castor oil in dehydrating it if it was dehydrated castor oil which he used in the process.

The Solicitor argues (as before stated) that if appellant had a particular kind of dehydrated castor oil he should have stated it in his claims. Appellant contends he did so in claim 14 and that the Patent Office rejected said claim on the theory that it covered "an aggregation of unrelated processes." Just why the steps of the process in claim 14 are not related is not made clear to us, but nevertheless the claim was rejected upon the prior art and we think properly so.

It is nowhere shown that the particular temperatures used in the several steps of the process were critical, and since we are of the opinion that the tribunals below properly combined the references in rejecting appellant's claims upon the cited prior art it follows that the temperature limitations do not lend patentability to them.

Moreover, it is nowhere shown in the instant record that appellant's dehydrated castor oil is in any respect different from any other. This fact was pointed out by the Examiner.

[2] It is clear to us that, in view of the prior art suggestions, dehydrated castor oil could be used instead of China-wood oil (which latter is synonymous with "tung oil"), and that appellant's claims do not distinguish patentably over the prior art. The decision of the Board of Appeals affirming the Examiner's rejection of claims 4, 5, 6, 10, 14, 15 and 16 is affirmed. The appeal as to claims 1, 2, 7, 8, 11, 12 and 13 is dismissed.

AFFIRMED.

HATFIELD, J., took no part in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE BRANDWOOD

No. 5337. Decided November 17, 1947

[164 F.2d 366; 76 USPQ 54]

1. PATENTABILITY—PROCESS FOR MERCERIZING A CONTINUOUS LENGTH OF TWISTED TEXTILE FIBERS.

Certain claims to a process for the mercerizing and lustering of a continuous length of material composed of textile fibres having twist therein *Held* unpatentable over the prior art.

2. PRACTICE—APPEAL—CLAIMS TO NON-ELECTED SPECIES REJECTED ALSO ON PRIOR ART—STATUS.

Where the Examiner points out that a certain claim was not readable on the elected species, but nevertheless saw fit to pass upon its patentability, and the Board of Appeals affirmed on both grounds of rejection, *Held* that, though ordinarily claims of a non-elected species are not before this court upon appeal because they have had no consideration upon their merits, under the particular circumstances of this case, we see no reason why it should not have been considered and we are of the same view as the Board that the claim was properly rejected on the prior art.

APPEAL from the Patent Office. Serial No. 348,532. **AFFIRMED.**

Watson, Cole, Grindle & Watson (Harold F. Watson of counsel) for Brandwood.

W. W. Cochran (H. S. Miller of counsel) for the Commissioner of Patents.

BLAND, J.:

All the claims of appellant's application for a patent relating to "Mercerizing and Lustering of Textile Fibres" were rejected by the Primary Examiner of the United States Patent Office and upon appeal to the Board of Appeals the Examiner's decision was affirmed. Appellant has here appealed for a review of the Board's decision.

The claims on appeal are numbered 12, 13 and 14. Claim 12 is regarded as sufficiently illustrative for present purposes and follows:

12. As a process for the mercerizing and lustering of a continuous length of material composed of textile fibres having twist therein, coil-winding such continuous length upon a perforated holder in successive coil-layers with a degree of winding tension which causes the interlocked and twisted fibres to draw each other mutually and impart a stretch and strained effect to the fibres so far as their twist permits, the fibres of one wound coil-layer being held in the course of winding by the equally treated and strained fibres of a succeeding wound layer of the material; passing the mercerizing and subsequent liquors through the wound textile package by differential pressure; and drying. [Italics ours.]

The alleged invention relates to a method of mercerizing and lustering a continuous length of twisted textile fibres, such as a roving (i. e., a loosely twisted filament of cotton fibres which has about two twists per inch of length and is produced on a "roving frame" as a preliminary step in the production of yarn) or yarn by winding the length of fibres upon a perforated holder with sufficient winding tension to stretch it as far as the degree of twist permits, each layer of fibres thereby being held in position by each succeeding layer. Then the mercerizing and subsequent liquors are passed through the wound textile package by differential pressure and the process is completed by drying.

The references relied upon are as follows: Brandts (British), 459, April 7, 1900; Mather et al., 824,255, June 26, 1906; Abbott, 1,746,509, February 11, 1930.

The British patent relates to "the bleaching, dyeing, mercerizing, and like treatment of slubbings and rovings in the wound condition." Brandts avoids the mercerizing on the bobbin, since this would destroy or injure the bobbin, and teaches the winding of the roving upon a casing which may be smooth or perforated and which is "drawn tightly over the body of the bobbin."

Mather et al. disclose winding yarn or unspun

cotton tightly on a perforated core simultaneously with a sheet of flexible pervious material, such as fine wire gauze, and then passing the mercerizing and washing, dyeing, bleaching, or other liquors through the wound textile package by differential pressure, and drying.

Abbott teaches the winding of "slivers" (i. e., unspun textile strands) "substantially devoid of permanent twist" onto a perforated holder with sufficient winding tension to bring the fibres into more or less parallel relation and to straighten normally curly or wavy fibres. The treating liquors are then passed through the wound textile package by differential pressure and thereafter the material is dried.

Mather et al. state in their specification, "The material to be treated is wound tightly about the perforated core * * * simultaneously with a sheet * * * of flexible pervious material, * * * so that the material under treatment alternates with a layer of the pervious material and is compressed between the layers of the latter."

In applying the references, the Examiner rejected claim 12 as lacking invention over Brandts in view of Abbott, stating that "Brandts appears to be lacking in two respects, namely (1) in not specifying any degree of winding tension, and (2) in not specifying the use of differential pressure in applying the mercerizing liquor." The Examiner held that the winding tension specified in the claim was insufficient to impart patentability in view of Abbott, and that the use of differential pressure in applying the mercerizing liquor was not inventive in view of either Abbott or Mather et al.

Claim 12 was further rejected by the Examiner on Mather et al. in view of Abbott.

[1] We think Mather et al. teach that the material to be worked upon should be wound with tension. Obviously it could only be wound with such a degree of tension as the nature of the material would withstand. The weakness of such practically untwisted material was well understood in the prior art. However, Abbott plainly states that the sliver is "tensioned while winding sufficiently to straighten its constituent fibres."

It is frankly admitted by appellant in the instant case that the novelty of his claimed invention rests in the portion we have italicized in the above quoted claim 12. We think this claim was properly rejected upon the references as applied by the Examiner and the Board.

Claim 13 was rejected on the same grounds as claim 12 and is distinguishable from claim 12 only in that it is narrowed by the phrase, "but prior to the imparting thereto of spinning twist." We agree with the Patent Office tribunals that this claim defines nothing inventive over the prior art.

Claim 14, according to the statement of the Examiner, differs from claim 12 only in that it is limited to the treatment of fully spun yarns. The Examiner held that Mather et al. disclose the treatment of yarns and that applying the Brandts process to yarns instead of rovings did not involve invention.

[2] The Examiner also pointed out that claim 14 was not readable on the elected species. He saw fit, however, to pass upon its patentability and appellant has, by his reasons of appeal, questioned the action of the Board in affirming the final rejection by the Primary Examiner on the ground of estoppel as well as questioning the holding with regard to the merits of claim 14.

Ordinarily, claims of a non-elected species are not before this court upon appeal because they have had no consideration upon their merits. In the present instance claim 14 has been considered upon its merits and, under the particular circumstances of this case, we see no reason why it should not have been considered and we are of the same view as the Board that, for the reasons stated, claim 14 was properly rejected on the prior art.

No cited authorities are relied upon by appellant and citation and consideration of authorities are regarded as unnecessary to the decision of the issue presented here.

The decision of the Board of Appeals is affirmed. **AFFIRMED.**

U. S. Court of Customs and Patent Appeals

IN RE SCHREIBER

No. 5353. Decided November 17, 1947

[164 F.2d 355; 76 USPQ 57]

PATENTABILITY—SANITARY NAPKIN.

Certain claims to a sanitary napkin *Held* unpatentable because, in view of the prior art, it would be obvious to place the deodorant in a tissue-like sheet material externally of the absorbent pad.

APPEAL from the Patent Office. Serial No. 440,022. **AFFIRMED.**

Arnold S. Worfolk (Charles M. Thomas of counsel) for Schreiber.

W. W. Cochran (E. L. Reynolds of counsel) for the Commissioner of Patents.

HATFIELD, J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 14 to 22, inclusive) in appellant's application for a patent for an alleged invention relating to improvements in catamenial bandages—sanitary napkins—and particularly to the location of a deodorant in such articles.

Claim 14 is sufficiently representative of the appealed claims. It reads:

14. A dressing for medicinal purposes, particularly for catamenial use, comprising a fluid absorbent pad, a unit of tissue-like sheet material arranged externally of the pad at the side thereof which is in contact with the user when the dressing is in service, a deodorant material incorporated in said unit as a part thereof and distributed substantially evenly throughout the area of the unit which, in the normal use of the dressing, is wetted by the fluid as it passes into the absorbent pad, and means for holding said unit in its proper position relative to the absorbent pad.

It appears from the record that appellant's sanitary napkins are more or less conventional in form, and the real issue in the case relates to the position of tissue-like sheet material in which a deodorant

is incorporated substantially evenly throughout such material and which is arranged externally of the absorbent pad and in contact with the wearer when in use. The purpose of placing the deodorant in the tissue-like material externally of the absorbent pad is to prevent the deodorant coming into direct contact with the wearer, as well as to prevent obnoxious odors emanating from the body.

The references are: Wilhelm, 1,950,957, March 13, 1934; Reiman, 2,068,946, January 5, 1937; Williams, 2,067,961, January 19, 1937; Lynch et al., 2,121,604, June 21, 1938.

The patent to Wilhelm discloses a sanitary napkin having two or more layers of absorbent material. The patentee states that a deodorant may be placed upon or between the layers of absorbent material.

The patent to Reiman discloses a sanitary napkin, at the center of which a deodorant is placed between two layers of the absorbent pad. This deodorant is sealed in an air-proof envelope and, in order to become effective, must come into contact with the air, which may be accomplished by bending the napkin back and forth, or by means of a so-called "rip-cord" extending out of the end of the bandage.

The patent to Williams discloses a sanitary napkin comprising two pads of absorbent material between which a deodorant is incorporated, the deodorant being applied to gauze over which a starch or potato flour is applied.

The patent to Lynch et al. discloses a foot pad made up of several layers of absorbent material, each layer being treated with a deodorant.

The tribunals of the Patent Office concurred in holding that, in view of the references, particularly in view of the disclosures in the patents to Wilhelm, Reiman, and Williams, it was a mere matter of choice as to where the deodorant was to be placed in a sanitary napkin, and that, therefore, there was no invention in placing a deodorant in a tissue-like sheet material arranged externally of the absorbent pad and in contact with the wearer when in use.

It is conceded in appellant's application that it was old in the art to sprinkle deodorant on sanitary napkins which (deodorant) came into contact with the wearer. Appellant states that the difficulty with that arrangement was that a portion of the deodorant was shaken off before use and that such as remained adhered to the body of the wearer, and that such an arrangement was unsanitary and produced an unesthetic effect. It is clear, therefore, from the record, that the desirability of having a deodorant come into close proximity to the body of the wearer was recognized in the art. Accordingly, the only real difference between the prior art and the admissions in appellant's specification is that he enclosed the deodorant in a tissue-like sheet material which came into contact with the body of the wearer.

It is probably true that the arrangement of appellant's sanitary napkin, as hereinbefore explained, is some improvement over the prior art, particularly if, as argued by counsel for appellant, the action of the deodorant is delayed when placed between

two absorbent pads of such an article, as appears from some of the references, or if, as it is argued, the deodorant is so placed upon the napkin that it comes into direct contact with the body. However, we are in agreement with the views of the tribunals of the Patent Office that as it was known to be desirable to use the deodorant in close proximity to the body of the wearer, it would be obvious to place the deodorant in a tissue-like sheet material externally of the absorbent pad so as to prevent the claimed unsanitary and unesthetic effect referred to in the brief of counsel for appellant.

For the reasons stated, we are of opinion that the tribunals of the Patent Office reached the right conclusion. Accordingly, the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE GARDNER

No. 5332. Decided November 17, 1947

[— F.2d —; 76 USPQ 43]

1. PROCESS—APPLICATION TO ANALOGOUS MATERIAL—NON-PATENTABLE.

Where an old method or process is used by an applicant in the administration of a new and analogous material, and the improved result is due solely to the quality of the material used, no inventive method or patentable process is involved in what the applicant has done.

2. PATENTABILITY—PROCESS OF PRODUCING HIGH QUALITY MOTOR FUEL.

Certain claims to a process of producing high quality motor fuel held unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 413,141. AFFIRMED.

Pennie, Edmonds, Morton and Barrows (Daniel Stryker and W. P. Epperson of counsel) for Gardner.

W. W. Cochran (H. B. Ledman and J. Schimmel of counsel) for the Commissioner of Patents.

O'CONNELL, J.:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 1, 2, and 3 in appellant's application for a patent for alleged new and useful improvements in a process for producing high quality motor fuel and for the product obtained by that process. No claims were allowed.

The references are: Birch et al., High-Octane Iso-paraffinic Fuels, Ind. and Eng. Chem., pp. 884-891, July, 1939; Grosse, 2,167,650, August 1, 1939; Kemp et al., 2,172,560, September 12, 1939; Goldsby, 2,341,863, February 15, 1944.

Appellant has moved to dismiss the appeal as to claim 3, drawn to the product. That motion will be granted, thereby limiting the appeal to the remaining claims 1 and 2, drawn to the process. They read:

1. The process of producing high quality motor fuel which comprises subjecting isobutane containing stock substantially free from butylene-1 and butylene-2 to dehydrogenation forming a mixture containing isobutane and isobutylene in proportions approximately five parts of the

former to one of the latter and subjecting the mixture so obtained to an alkylation operation in the presence of strong sulphuric acid under conditions favorable to alkylation.

2. The process of producing high quality motor fuel which comprises dehydrogenating isobutane to form isobutylene, and in the substantial absence of butylene-1 and butylene-2 alkylating isobutane with isobutylene so derived in the presence of strong sulphuric acid under conditions favorable to alkylation.

A comparison of the involved claims discloses that the dehydrogenating step in claim 1 is so regulated as to form "a mixture containing isobutane and isobutylene in proportions approximately five parts of the former to one of the latter." Claim 2, according to appellant's brief, "is somewhat more broadly drawn, in that it does not require any regulation of the dehydrogenating step to insure that there will be a relatively large proportion of unreacted isobutane in the products emerging from the dehydrogenating step."

The alleged critical factor in the disclosed process is the substantial absence of butylene-1 and butylene-2 in the mixture during alkylation. That is specifically recited in claim 2. In claim 1, the use of isobutane substantially free from butylene-1 and butylene-2 in the dehydrogenation reaction is said to produce isobutylene containing only a trace of isobutylene-1 and isobutylene-2. If the isobutylene so obtained admixed with the original unconverted isobutane is subjected to alkylation conditions, the higher octane product is said to be produced. To that extent, with respect to the limitation upon the absence of butylene-1 and butylene-2 from the alkylation reaction, the claims are essentially of the same scope.

The blended product obtained in carrying out the process defined by appellant, according to his specification, will have "an octane number of 97 to nearly 100, and with the addition of tetraethyl lead, may have anti-knock properties greatly superior to those of the known 100 octane aviation fuels."

The patent to Grosse specifically teaches the operation of the dehydrogenation of isobutane to form isobutylene. As described in Fig. 1 of the drawing, at least 90 per cent of the butylenes so produced are isobutylene. The patentee states that the products of the dehydrogenation reaction may be "caused to alkylate other hydrocarbons such as aromatics or paraffins * * * to produce desirable and commercially valuable derivatives."

Therefore, according to the Examiner's statement, the patent to Grosse discloses that it is old in the art to dehydrogenate isobutane to form isobutylene and, in the substantial absence of butylene-1 and butylene-2, to alkylate paraffins.

The patent to Grosse does not describe the alkylating of isobutane with the isobutylene derived from the dehydrogenation reaction in the presence of strong sulphuric acid as defined by the claims on appeal. However, each of the other three references relied upon by the Examiner, Birch et al., Kemp et al., and Goldsby, shows that the alkylation of isobutane by means of olefins in the presence of strong sulphuric acid as the catalyst is likewise old in the art.

The Examiner took the position that since in common commercial practice isobutane is generally the paraffin alkylated and strong sulphuric acid is the alkylation catalyst generally used, it was obvious to use the isobutylene product of the dehydrogenation reaction for the alkylation of paraffins in general as suggested by Grosse to the alkylation of isobutane in particular in view of each of the other three references.

Considering the patent to Grosse as a supplementary reference, the Examiner likewise held that it would involve no invention to employ the mixture of the dehydrogenation reaction of that patent as the mixture subjected to the alkylation process disclosed by each of the other three references.

Fig. 1 of the drawing of the patent to Grosse shows that by appropriate control of the time of contact and temperature in an operation for dehydrogenating isobutane the ratio of isobutane to isobutylene for the alkylating operation may be fixed at a desired value including the ratio of 5 to 1. The range of proportions of isobutane to the olefin in a sulphuric acid alkylation process as disclosed by the patent to Goldsby also includes the ratio of five to one.

It would not therefore amount to invention, according to the Examiner, to control the reaction conditions in the dehydrogenating process as taught by Grosse to give a ratio of 5 to 1, or a desired ratio, of isobutane to isobutylene and to subject the mixture so obtained to the sulphuric acid alkylation operation disclosed by Goldsby.

The Board of Appeals affirmed the decision of the Examiner and in so doing explained why it considered the appealed claims unpatentable over the references relied upon by the Examiner. Admittedly, some confusion herein has been created by the Board, particularly in its use of technical terms, but, as pointed out by the Solicitor for the Patent Office, such confusion relates to matters not material to the involved issue.

Appellant states in his brief that the dehydrogenating operation employed by him in the first step of his process is of a type that has for a considerable length of time been well known, as disclosed by the patent to Grosse; and that the alkylation operation employed by him in the second step of his process of itself follows conventional practice so far as manipulative procedure is concerned. The only exception that appellant makes is that the alkylation operation be conducted under enumerated conditions favorable to alkylation, all of which conditions he points out are well known and are in no respect different from the well known practice.

Appellant argues that an important difference between his process and the processes of the prior art, is "that appellant's process utilizes, as raw material, a purified isobutane only * * *." [Italics quoted.]

The Solicitor for the Patent Office points out, however, that "The various hydrocarbons, including the olefins in question, are available as pure compounds," and argues that the fair inference to be drawn from the record is that the authors of the

article by Birch et al. in describing the alkylation of the hydrocarbon, isobutane, in the presence of sulphuric acid, and that Grosse in describing the dehydrogenation of isobutane to form isobutylene, employed the term "isobutane" in its natural meaning to define the pure compound.

[1] Moreover, the law is well settled that "where an old method or process is used by an applicant in the administration of a new and analogous material, and the improved result is due solely to the quality of the material used, no inventive method or patentable process is involved in what the applicant has done." See *In re Saunders et al.*, 33 CCPA (Patents) 1001, 1004, 154 F.2d 693, 69 USPQ 341, 590 O. G. 11, and authorities therein cited.

The record does not establish any definite meaning or measure for the limitation "in the substantial absence of butylene-1 and butylene-2" employed by appellant in each of the respective claims. It is suggested in appellant's brief, as hereinbefore described, that the expression means "at best no more than the merest trace of butylene-1 and butylene-2."

However, there is no definition to that effect in his specification and there is nothing in the record to show that the involved limitation does not read upon the disclosure in the patent to Grosse in the same sense as it does upon appellant's disclosure.

[2] Referring to a quotation contained in the publication by Birch et al., appellant alleges that he discovered that the authors thereof were in error in stating that:

Substitution of normal butenes, either 1- or 2-butene, for isobutene in the reaction with isobutane was without marked effect upon the boiling range or octane number of the gasoline produced.

Be that as it may, the reference does disclose the alkylating of isobutane in the presence of sulphuric acid and the use of isobutylene as the alkylating olefin, and, according to the Examiner, with results similar to and not patentably distinct from those obtained by appellant.

The Board of Appeals in summarizing its position on the issue here presented stated:

* * * Since the principle of the process of alkylation to produce octane is well known and the use of isobutane and isobutylene as favored alkylating methods appears known it is our conclusion that the remainder of the matter set forth in the case does not go beyond range of simple and obvious tests within the skill of a worker in the art.

The court does not find that the decision of the Board of Appeals is manifestly wrong on the material issues here presented. For the reasons stated, the appeal as to claim 3 is dismissed and the decision of the Board of Appeals with respect to claims 1 and 2 is affirmed.

AFFIRMED.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,752,856, A. H. Schmittke, Method and apparatus for making baskets; 1,895,586, same, Basket, filed Jan. 10, 1948, D. C., W. D. Mich. (Grand Rapids), Doc. 1104, *Hope Basket Co. et al. v. Product Advancement Corp. et al.*

1,805,085, L. J. Grubman, Eye mounting for dolls; 1,865,475, S. Marcus, Movable eye sets for dolls; 2,254,231, same, Manufacture of doll eyes; 2,254,232, same, Doll eye and method of making same; 2,280,245, same, Manufacture of doll eye assembly, filed Dec. 11, 1947, D. C. N. J. (Newark), Doc. 10914, *Margon Corp. v. Samco Products Corp. et al.*

1,865,475. (See 1,805,085.)

1,876,063. (See Des. 106,968.)

1,888,234, E. J. Miller, Method of and apparatus for applying wall finishes; 1,960,276, same, Apparatus for applying wall finishes, filed Dec. 16, 1947, D. C., S. D. Fla. (Orlando), Doc. 392, *Perma-Stone Co. v. Dur-O-Stone of Florida, Inc., et al.*

1,895,586. (See 1,752,856.)

1,898,585, A. Haupt et al., Method of and means for feeding paper sheets; 2,108,702, H. T. Backhouse, Automatic sheet feeding machinery; 2,144,057, H. Hallstream, Paper feeding machine, C. C. A., 2d Cir., Doc. 20676, *American Type Founders, Inc., v. Dexter Folder Co. et al.* Decree affirmed (notice Nov. 3, 1947).

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, filed Jan. 2, 1948, D. C. Minn., 4th Div., Doc. 2646, *Park-In Theatres, Inc., v. United Outdoor Theatres, Inc.* Same, D. C. Del., Doc. 1090, *Park-In Theatres, Inc., v. Fleaser Drive-In Theatres, Inc.*

1,960,276. (See 1,888,234.)

1,980,894, H. B. White, Ironing table, filed Jan. 9, 1948, D. C., E. D. N. Y., Doc. 8803, *H. Stegel v. Roof Structures, Inc., et al.*

2,073,876, 2,134,886, G. C. Oliver, Core barrel, filed Dec. 5, 1947, D. C., S. D. Calif. (Los Angeles), Doc. 7832WM, *J. E. Talbot et al. v. Soll Coring Service.*

2,100,274, B. Clayton et al., Process of refining oils; 2,342,042, R. H. Fash, Method of refining liquids, filed Dec. 11, 1947, D. C. N. Mex. (Santa Fe), Doc. 1303, *R. H. Fash v. B. Clayton.*

2,108,702. (See 1,898,535.) 2,134,886. (See 2,073,876.)

2,144,057. (See 1,898,535.)

2,190,554, Tecca & Tecca, Flange oiler, filed Dec. 4, 1947, D. C. Mont. (Helena), Doc. 359, *A. Tecca v. Northern Pacific Rwy. Co.*

2,198,181, G. J. Rumpler, Link mechanism for turn-buckles, filed Dec. 31, 1947, D. C., S. D. Ohio, W. Div., Doc. 1835, *W. W. Patterson, Jr., v. The Ohio River Co.*

2,240,906, C. Harold, Power unit for amusement devices, D. C., E. D. Pa., Doc. 6389, *J. B. Tigrett et al. v. E. Kies et al.* Stipulation dismissing action without prejudice Dec. 29, 1947. Same, filed Nov. 7, 1947, D. C., S. D. N. Y., Doc. 44/27, *J. B. Tigrett et al. v. Ramley Products.*

2,254,231. (See 1,805,085.) 2,254,232. (See 1,805,085.)

2,258,841, L. J. Biro, Fountain pen; 2,390,636, 2,397,229, same, Writing instrument, D. C., N. D. Ill., E. Div., Doc. 461655, *Eterpen Sociedad Anonima Financiera et al. v. Holly Pen Corp.* Consent decree, holding defendant has infringed, injunction Jan. 8, 1948.

2,266,377, G. L. Neely et al., Pretreated bearing surface; 2,266,379, R. K. Floyd, Extreme pressure lubrication, D. C., E. D. Mich., S. Div., Doc. 6501, *California Research Corp. v. Tecumseh Products Co.* Consent judgment for plaintiff (notice Jan. 8, 1948).

2,266,379. (See 2,266,377.) 2,280,245. (See 1,805,085.)

2,291,178, Vanderwerp & Alofs, Hanger, D. C. Mich., W. Div., Doc. 969, *May-Jac Industries, Inc., v. Alofs Mfg. Co.* Stipulation and order of dismissal Jan. 5, 1948.

2,342,042. (See 2,100,274.)

2,385,939, W. A. Pollock, Cable guide, D. C., S. D. Calif., C. Div., Doc. 5863, *W. A. Pollock v. California Shipbuilding Corp.* Stipulation and order dismissing action with prejudice Jan. 8, 1948.

2,390,636. (See 2,258,841.) 2,397,229. (See 2,258,841.)

2,423,402, E. C. Olsen, Awning supporting frame and adjustable connector therefor, D. C., S. D. Calif., C. Div., Doc. 7632, *E. C. Olsen v. G. H. Watson et al.* Judgment favor plaintiff Oct. 27, 1947.

Des. 106,968, W. J. De Witt, Box; 1,876,063, F. Kronenberger, Ribbed carton, C. C. A., 2d Cir., Doc. 20729, *Shoe Form Co., Inc., v. Irwin Corp.* Decree affirmed Nov. 17, 1947.

T. M. 163,713, W. H. Fawcett, Monthly publication, filed Jan. 7, 1948, D. C., S. D. Fla. (Miami), Doc. 2301-M, *Fawcett Publications, Inc., v. Bronze Publications, Inc., et al.*

NOTICES

Extension of Time for Renewing Trade-Mark Registrations: Luxembourg By the President of the United States of America

A PROCLAMATION

WHEREAS by the act of Congress approved July 17, 1946, 60 Stat. 568, the President is authorized, under the conditions prescribed in that act, to grant an extension of time for the fulfillment of the conditions and formalities for the renewal of trade-mark registrations prescribed by section 12 of the act authorizing the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and protecting the same, approved February 20, 1905, as amended (15 U. S. C. 92), by nationals of countries which accord substantially equal treatment in this respect to citizens of the United States of America:

NOW, THEREFORE, I, HARRY S. TRUMAN, President of the United States of America, under and by virtue of the authority vested in me by the aforesaid act of July 17, 1946, do find and proclaim that with respect to trade-marks of nationals of Luxembourg registered in the United States Patent Office which have been subject to renewal on or after September 3, 1939, there has existed during several years since that date, because of conditions growing out of World War II, such disruption or suspension of facilities essential to compliance with the conditions and formalities prescribed with respect to renewal of such registrations by section 12 of the aforesaid act of February 20, 1905, as amended, as to bring such registrations within the terms of the aforesaid act of July 17, 1946; that Luxembourg accords substantially equal treatment in this respect to trade-mark proprietors who are citizens of the United States; and that accordingly the time within which compliance with conditions and formalities prescribed with respect to renewal of registrations under section 12 of the aforesaid act of February 20, 1905, as amended, may take place is hereby extended with respect to such registrations which expired after September 3, 1939, and before June 30, 1947, until and including June 30, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.

DONE at the City of Washington this 21st day of January, in the year of our Lord nineteen hundred and forty-eight, and of the Independence of the United States of America the one hundred and seventy-second.

HARRY S. TRUMAN.

By the President:
G. C. MARSHALL,
Secretary of State.

January 23, 1948.

Classification Bulletin No. 100

Classification Bulletin No. 100 is now available and may be purchased from the Commissioner of Patents for ten cents.

Adjudicated Patent

(C. C. A. Ill.) Fry patent, No. 2,292,628, for a coin selector, claim 21 *Held* valid and infringed. *National Slug Rejectors v. A. B. T. Mfg. Corp.*, 164 F.2d 333; 75 USPQ 151.

Disclaimers

2,108,702.—*Headley Townsend Backhouse*, St. John's Wood, London, England. AUTOMATIC SHEET FEEDING MACHINERY. Patent dated Feb. 15, 1938. Disclaimer filed Jan. 10, 1948, by the inventor.

Hereby enters this disclaimer to claim 52 of said patent.

2,422,146.—*John W. Tilley*, Philadelphia, Pa. REFLEX HARMONIC GENERATOR. Patent dated June 10, 1947. Disclaimer filed Jan. 9, 1948, by the assignee, *Philco Corporation*.

Hereby disclaims from the scope of all of the claims of the said Letters Patent any apparatus or method wherein the velocity modulation tube is caused to be self-oscillatory by virtue of the unidirectional potentials applied thereto, said claims being limited hereby to an apparatus or method wherein the unidirectional potentials applied to the velocity modulation tube are such that the tube is not self-oscillatory but is caused to oscillate by the high frequency energy applied to the input electrodes of the tube.

Cancellation Notices

Charles Glaze, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Famous Virginia Foods, Inc., 922 Jefferson St., Lynchburg, Va., to effect the cancellation of trade-mark registration of *Charles Glaze*, Exeter, Calif., No. 248,970, dated November 8, 1928. The Office has been advised that said *Glaze* is deceased. E. Florence Glaze, Executrix, was afforded an opportunity to intervene. No response having been made thereto, notice is hereby given that unless said *Glaze*, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 16, 1948.

Chiquita Coat Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Esquire Sportswear, Inc., 19-21 West 21st St., New York, N. Y., to effect the cancellation of trade-mark registration of *Chiquita Coat Co.*, 247 West 38th St., New York, N. Y., No. 259,215, dated July 23, 1929, and the notice of such proceeding sent by registered mail to the said *Chiquita Coat Co.* at the said address having been returned by the post office undeliverable, notice is hereby given that unless said *Chiquita Coat Co.*, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 23, 1948.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,339,111, R. A. Reid, Signalling apparatus, decided Nov. 20, 1946, claims 1 and 2.

Pat. 2,400,636, Oscar Fregeolle, Needle leveler and latch opener, decided Jan. 7, 1948, claims 4 and 5.

Interference Notice

Radiant Finish Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of C-Z Chemical Company, Yates and Argall Aves., Beloit, Wis., for registration of a trade-mark and trade-mark registered September 26, 1939, No. 371,413, to Radiant Finish Company, 612 N. Michigan Ave., Chicago, Ill. The assignment records of this Office show a transfer of title to this registration to Fuller Finish Company, Chicago, Ill., which has been substituted for said Radiant Finish Company to defend the registration concerned. The notice of such declaration sent by registered mail to the Fuller Finish Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Fuller Finish Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 22, 1948.

Classification Order No. 22

December 29, 1947

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH CLASS

234—RECORDERS (Division 41)

ESTABLISH CLASS

346—RECORDERS (Division 41) with the following subclass schedule:

Note.—Tentative definitions for this class may be seen in the Search Room and Classification Division pending completion of the final definitions which will be issued in the near future.

346, Recorders

- 1 Processes
- 2 Angle measurement recorder for optical instruments
- 3 Performance of multiple functions of steam and gas engines
- 4 Pressure responsive element
- 5 Drum recorder
- 6 Bourdon tube marker element
- 7 Record tracer movement responsive to inertia or mass inclination
- 8 Course
- 9 Weight recorders, by printing or perforating
- 10 Recording directly from weight positioned member
- 11 Weight positioned member and independently movable record controlling follow-up element
- 12 Coaxial member and element
- 13 Combined with non-recording integrator
- 14 Combined with non-recording register
- 15 Fare register
- 16 And indicator or alarm
- 17 Combined with non-recording indicator or alarm
- 18 Speed indicator or alarm
- 19 Combined with autographic apparatus
- 20 Combined with clock
- 21 Combined with record deleting means
- 22 Combined with record receiver deposit receptacle or record receiver through chute
- 23 Combined with fiducial line making
- 24 Combined with record receiver severer

- 25 Combined with other non-recording devices
- 26 Autograph as sole record, time driven element
- 27 Check receivers, selective compartment
- 28 Extent of web advance as sole measure of function
- 29 Multifactor-driven recorder element
- 30 Time factor
- 31 Follow-up
- 32 Rebalancing systems
- 33 Combined with external recorder-operating means
- 34 Plural external means for one recording couple
- 35 Single external means for plural markers, single record
- 36 Valve movement concurrent
- 37 Radio receiver, tuning responsive
- 38 Ordinance responsive
- 39 Well drilling depth-rate loggers
- 40 Weight depressive member
- 41 Case cover, or case cover key, or keyhole cover
- 42 Gate, door, or turnstile control member
- 43 Pump dispenser part
- 44 Plural recorders
- 45 Plural-function recorder, distinguishable recordings
- 46 Records distinguishable by color
- 47 Workmen's records
- 48 Magazine retained record receivers and receiver selecting mechanism
- 49 Plural markers and single record receiver
- 50 With dotting, printing, or punching marker
- 51 Plural selective, mechanical, manually operated, marker control devices on recorder
- 52 Markers under selective control of element normally discrete from recorder
- 53 With clock time index-and-dial or character recorder
- 54 With register character recorder
- 55 Time driven record receiver
- 56 With discrete element as marker
- 57 Time driven record receiver
- 58 And clock time index-and-dial or character recorder
- 59 With clock time index-and-dial or character recorder
- 60 And register character recorder
- 61 With register character recorder
- 62 Single marker and single record receiver
- 63 Under discrete element control
- 64 Time driven record receiver
- 65 Single function recorder, single scale, variable value
- 66 Single function recorder, duplicate or proportional scale records
- 67 Single marker
- 68 Record receiver removal and marker displacement
- 69 Record element friction eliminating vibrator
- 70 Record receiver expansion and marker position shift
- 71 Undulatory record, constant amplitude
- 72 Float responsive or expansible chamber responsive marker
- 73 Centrifugal governor responsive marker
- 74 Electric spark, electrostatic, radioactive, magnetic or electrochemical
- 75 With gas blast against receiver
- 76 Pyrographic and thermo-chemical
- 77 Record receiver deforming
- 78 Printing, dotting, or punching marker
- 79 Interconnected record receiver feed and record effecting movement
- 80 Time record
- 81 Clock time index-and-dial or character printing or punching
- 82 On discrete card
- 83 With variable positioning means for card
- 84 Plural fixed guides
- 85 Card modifier to prevent superposed records
- 86 Time controlled
- 87 Record receiver movable to time markers
- 88 Dial time markers
- 89 Characters movable to platen
- 90 Translatable dial or pointer
- 91 Time character advancing or resetting mechanism
- 92 Rotatable dial or pointer
- 93 On web
- 94 Register character printing, dotting, or punching
- 95 Discrete-record receiving mechanism
- 96 With card modifier to prevent superposed records
- 97 Fare or passenger register character

- 98 Register character advancing or resetting mechanism
- 99 Card control
- 100 Rolling-serrated or toothed punching marker
- 101 Helical record-effecting element
- 102 Rotatable disc record receiver
- 103 Rotatable drum record receiver
- 104 Card or leaf record receiver
- 105 Ink transfer support or moving means
- 106 With coordinated marking
- 107 Photographic
- 108 Ray recorder
- 109 Mirror galvanometer
- 110 Cathode ray
- 111 Writers
- 112 Receiver and marker movable
- 113 Interconnected drive
- 114 Time driven record receiving web
- 115 Time driven marker, variable length stroke
- 116 Marker pivotally movable, solely
- 117 Movable in plane of web, only
- 118 Work driven record receiving web
- 119 Marker pivotally movable, only
- 120 Work driven marker, only
- 121 Time driven record receiving disc
- 122 With translation of disc
- 123 Marker pivotally movable, only
- 124 Work driven record receiving disc
- 125 Drum record receiver
- 126 Compound motion drum
- 127 Time driven drum
- 128 Marker pivotally movable, only
- 129 Card receiver
- 130 Receiver, only, movable during recording
- 131 Disc receiver
- 132 Drum receiver
- 133 Card receiver
- 134 Record receivers and/or driving means therefor
- 135 Laminated, impregnated or coated bases
- 136 Web
- 137 Disc
- 138 Drum
- 139 Markers and/or driving means therefor
- 140 With ink supply to marker
- 141 Printing, dotting, or punching marker

- 142 Hand time stamps
- 143 Hand driven
- 144 Watchmen's or workman's key or key enclosing box
- 145 Instrument support or instrument part support
- 146 Miscellaneous

CHANGES IN "CLASSES ARRANGED BY DIVISIONS"

Under Division 41, cancel: "234. Recorders" and add: 346. Recorders

CHANGES IN "CLASSES ALPHABETICALLY ARRANGED"

On page XXIX cancel "234, Recorders" and substitute: 346, Recorders

CHANGES IN "CLASSES NUMERICALLY ARRANGED"

Cancel "234, Recorders . . . 41" and add: 346, Recorders . . . 41

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED CLASS

Abolished	Disposition
Class Subclass	Class Subclass
234 1-77	346 1-146

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED CLASS

Established	Source
Class Subclass	Class Subclass
346 1-146	234 1-77

MARK TAYLOR,

Acting Executive Primary Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,432,922. ELECTRIC LAWN EDGER. Patented Dec. 16, 1947. A powered device easily and economically operated for cutting and cleaning along the edge of a sidewalk. An elongated base having three traction wheels carries an adjustable support for an electric motor. A handle extending upward at an angle from the rear of the support has a cross hand-grip for guiding. A shaft, journaled transversely at front of base and operatively connected with the motor, carries at its front end three discs, held as an operative unit by clamping nuts. One disc is beveled for trimming along a sidewalk, another has teeth to cut the dirt and grass, and the third, which is smaller and acts as a spacer between the other two, has larger teeth for excavating a trench and throwing the dirt into a container attached at side of base. (Owner) Guy E. Muzzy, 540 28th St., Oakland 9, Calif. Group 35—22. Reg. No. 9,098.

Pat. 2,430,685. SLING-TYPE PROJECTOR. Patented Nov. 11, 1947. A sling-type projector for hurling weights, grenades, etc., noiselessly to a considerable distance is mounted on a wheelbarrow type platform. Two U-shaped portions are secured horizontally at substantially right angles to a vertical frame, which is bolted to front of platform. The open ends of the U-shaped portions face each other, with a channel between. Extending inwardly

in each U-shape are tension springs, with a pulley attached at free end of each spring except the spring most nearly adjacent the central portion of each U. A flexible cord is fastened to these two free springs and threaded alternately through the pulleys, with an intermediate length left between the U-shape portions for holding the projectile. When the projectile in the cord is pulled back (as in an ordinary slingshot), the springs are tensioned and resilient legs of the U are drawn inwardly. When cord is released, the tension of springs and legs is released and the projectile hurled forward. (Owner) Thomas F. Pearson, 2529 Lillian St., Fort Worth, Tex. Group 33—X9. Reg. No. 9,099.

Pat. 2,428,435. VARIABLE ELEVATION WEDGE. Patented Oct. 7, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757). This device is used to determine differences in elevation between points on aerial photographs being viewed through a stereoscope. The wedge is constructed so that direct measurements may be made without the application of mathematical formulas necessary with present devices used for the same purpose. The device consists of a pair of transparent sheets called scale and pointer sheets, each carrying a number of lines or dots corresponding to elevation marks and target dots,

the marks and dots reproduced photographically on the underside. In addition to this, the pointer sheet has a series of arrows, and the scale sheet a number of small curved scales for indicating photo-bases. Each of the sheets has a horizontal center line pierced by five small needle holes indicating eye-base distances, one of which is selected corresponding to the distance between the eyes of the operator so that proper adjustment may be made. Directions for use and full construction are given in the patent. (Owner) E. J. Schlatter, 4309 Russell Ave., Mt. Rainier, Md. Group 39—11. Reg. No. 9,100.

The following five patents are owned by the Herbert E. Brannon Estate. Address correspondence to Charles W. Hayner, 802 Pontiac State Bank Bldg., Pontiac 15, Mich.

Pat. 2,240,239. **ELECTRIC FUSE.** Patented Apr. 29, 1941. Group 36—19. Reg. No. 9,101.

Pat. 2,299,728. **ELECTRIC CIRCUIT BREAKER.** Patented Oct. 27, 1942. Group 36—19. Reg. No. 9,102.

These two patents cover a standard size screw or plug type fuse which does not burn out except in the event of a short circuit and which breaks circuit only momentarily when an overload occurs (starting a motor, for example). The fuse in Patent 2,240,239 consists of a hollow shell containing a bimetallic resistor in series with a fusible link, the latter constructed to carry a current slightly in excess of that required to deflect the resistor, the link melting, however, if a sufficiently great overload occurs. The resistor is positioned in the shell so as to normally touch a contact point on the shell. Upon temporary overload, the resistor becomes heated and bends away from the contact, breaking the circuit. Patent 2,299,728 shows a fusible link connected to a metal ring of low melting point (e. g. zinc) grooved to receive one or a pair of cruciform bimetallic resistors having center contacts. An insulating ring between the resistors and a terminal complete the assembly.

Pat. 2,288,510. **TEMPERATURE CONTROL.** Patented June 30, 1942. Groups 33—66; 36—19—21. Reg. No. 9,103.

A thermostatic switch for the surface-heating elements of an electric range is located within the central opening of the element. The housing of the switch has a movable cap biased upwardly by a spring which holds it in contact with the bottom of a cooking vessel placed on the element. Circuit is opened or closed by a laminated element which moves a contact toward or away from the heating element enabling the switch to automatically hold a set temperature by either opening the heating circuit when temperature of the vessel is exceeded, or closing the circuit when temperature falls below the set limit. The cap is thus maintained at the temperature of the vessel. Adjustments are made by a control panel dial.

Pat. 2,333,291. **TEMPERATURE RESPONSIVE DEVICE.** Patented Nov. 2, 1943. Group 36—19—21. Reg. No. 9,104.

This patent is a continuation-in-part of Patent 2,240,239. The device is a laminated heat-sensitive metal element having a center contact and a number of radiating arms, the latter mounted by its extremities on a supporting structure and fitting loosely to permit flexing of the element. Several modifications are shown, one in which the device is fitted to a cooking vessel. The cooker has an outer shell having side and bottom walls which support an inner pan wound with a heating element. A removable cooking pot and cover are placed within the assembly, the temperature control device mounted in the side wall of the inner pan.

Pat. 2,297,870. **SKATE.** Patented Oct. 6, 1942. Group 39—49. Reg. No. 9,105.

This roller skate features a clamping arrangement which permits it to be held to the shoe without straps. The skate is comprised mainly of a sole plate and a pivoted

heel plate, the latter shifted from an inclined to a horizontal position when the skate is attached. The sole plate includes a pair of toe clips linked to an actuating bar having a toe-engaging lug, the bar shifting the clips toward each other for adjustment when moved forward. The heel plate carries rear heel clips and is adjusted by a cam arrangement having a sprung and slidable locking bar, the toothed end of the bar cooperating with a serrated sector to latch the heel plate in a horizontal position after proper fit has been made. The wheels of the skate include a self-lubricating feature.

Pat. 2,430,700. **KNIFE HOLDER-SHARPENER.** Patented Nov. 11, 1947. A box-like casing to be hung on a kitchen wall for supporting and sharpening knives. Knife blades are inserted in slots in top of casing. Curved whetstones are arranged contiguously in pairs in compartment beneath slots so that cutting edges of knives are sharpened along their entire length as knives are inserted or withdrawn. (Owner) Maxwell Berman, 40 East 41st St., New York 17, N. Y. Group 25—99. Reg. No. 9,106.

Pat. 2,264,903. **BOTTLE CARRIER.** Patented Dec. 2, 1941. A one-piece holder for supporting two rows of beverage bottles by their necks is made from sheet metal and provided with a foldable handle. The body has spaced slots in the edges to admit the neck of bottle below its bulbous portion. Upturned portions on either side of slot cause a wedging action against bulbous part of the bottle neck. Bottle must be tilted for insertion or removal. The carrier may be used whether wholly or partially loaded, and a single-bottle carrier may be made on same principle from stiff wire stock or strip metal. (Owners) Charles H. Kruea, E. Webster Harrison, Robert L. Black, Robert B. Harrison. Address correspondence to E. Webster Harrison, Union Trust Bldg., Cincinnati, Ohio. Groups 33—12; 40. Reg. No. 9,107.

Pat. 2,416,694. **TRANSMISSION LINE VOLTAGE INDICATOR.** Patented Mar. 4, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Comprises a housing, containing a section of coaxial line extending through it and provided with end connectors exterior to the housing whereby the instrument may be selectively inserted in a transmission line; a circuit, including coaxial line; a carbon resistor having a range of the order of 25,000 ohms; a microwave type crystal rectifier in series with resistor; a condenser in series with resistor and rectifier; and a jack in the circuit for plug-in connection. The meter deflections produced are direct indications of the power output of the transmitter being tuned. Inventor states the indicator is for tuning radio transmitters, is compact, quick-acting, and usable over a wide range of frequencies; is readily transferable from one transmitter to another, and capable of definitely revealing the presence and magnitude of standing waves. (Owner) David A. Howard, Jr., 2200 Riverside Ave., Apt. 18, Jacksonville 4, Fla. Group 36—61. Reg. No. 9,108.

Pat. 2,431,725. **BREAD PAN GREASING DEVICE.** Patented Dec. 2, 1947. A pan-greaser designed to grease a number of pans in one operation. Pans are usually held together as a unit. A long horizontally held handle is hollow and made in two sections so that the cover may

be removed and grease introduced into the lower trough. As many clips as there are pans in a row are connected downward from the handle. Each clip, which is approximately the width of a pan, consists of two hollow parts, receiving grease from openings in the handle trough and, by means of a strong spring, gripping a grease-soaked pad. The grease pad extends across the bottom and up the sides of the clip in inverted U-form conforming generally to the tapered form of the bread pan. The clips are introduced into the pans in such a way that in one continuous motion the farther end of the pan, the full width of the bottom and the sides, and the nearer end may be greased. Any light material may be used in construction. (Owner) Frederick Bauer, 527 Hamilton St., Wausau, Wis. Group 35—51. Reg. No. 9,109.

Pat. 2,430,682. **AUXILIARY TABLE TOP.** Patented Nov. 11, 1947. An auxiliary octagonal (or any desired shape) table top for removably placing on a conventional card table for use as a game table. A flat central section, of plywood or the like, is surrounded by a trough for holding poker chips, the inner side wall being so formed that it contacts the corners of the table securing the auxiliary top against turning. Drinking-glass holders are swingably attached to under edge of top between segments of trough. (Owner) A. G. Merkle, R. 2 Lyon Lake, Marshall, Mich. Groups 24—32; 25—11; 39—49. Reg. No. 9,110.

Pat. 2,407,795. **DEVICE FOR MAINTAINING FILM LOOPS.** Patented Sept. 17, 1946. This eccentrically mounted friction roller maintains a film loop in a motion picture projector, camera, or the like. The roller is mounted some distance above the bottom of the loop with its long radius directed upwardly. Normally the roller does not engage the film, but it will be engaged and rotated by the film when the loop is sufficiently diminished so that the long radius of the roller will move downwardly to restore the loop. (Owner) Clarence L. Nelson, 2112 East 43rd St., Minneapolis 7, Minn. Group 39—12. Reg. No. 9,111.

The five following patents relating to water heaters or heat-exchanging devices which may be used for heating fluids or plastic substances of various kinds and classes are owned by Mrs. Thomas H. Ireland. Address correspondence to Howard E. Thompson, 217 Broadway, New York 7, N. Y. Group 33—62—65—69.

Pat. 1,887,205. **HEATER ELEMENT.** Patented Nov. 8, 1932. Reg. No. 9,112.

Heating element comprises an elongated tube-like fitting which is closed at one end by a heavy thick flanged end wall and threaded at the other end for connection to a suitable pipe of a hot water installation. The interior of the fitting is sub-divided into separate longitudinal passages to provide for circulation of fluid back and forth through the fitting. These passages communicate with an uninterrupted chamber left inside the fitting near the closed end. The flanged closed end only is adapted to be exposed to products of combustion. When installed, the flange on the closed end will abut an interior wall of a furnace or the like while a detachable flanged collar which is slid on the outside of the fitting will abut an exterior wall. A set screw holds collar in place. Two of the fittings may be employed for supplying hot water to a humidifier, although a variable number may be used in other types of installation.

Pat. 1,962,773. **WATER HEATER.** Patented June 12, 1934. Reg. No. 9,113.

The coil of this fluid heater includes a tubular casing with a removable tube which is open at both ends disposed inside the casing. The interior of the tube is sub-

divided by removable partition plates into several longitudinal passages which communicate with each other to form a continuous passage for circulation of fluid to be heated. A fluid-heating medium is circulated in an annular chamber surrounding the tube to heat the water in the tube. The casing may be connected by pipes to a source of hot water. One end of the tube may be connected by pipes to a hot water storage tank or the like. A plate which closes one end of the casing may be removed to permit removal of the partition plates to facilitate cleaning without disturbing any pipe connections.

Pat. 2,016,746. **FLUID HEATER.** Patented Oct. 8, 1935. Reg. No. 9,114.

The coil of this heater includes an outer vertically positioned tubular casing with an inner tubular casing removably inserted therein to provide an annular chamber surrounding the inner casing through which a fluid heating medium may be circulated. The ends of the outer casing are closed by removable end plates while both ends of the inner casing are open. A hollow cylindrical body which is closed at both ends and spirally grooved on its outer side surface is removably and snugly inserted within the inner casing to form a continuous spiral passage through which a fluid medium to be heated may be circulated. The inner casing is longer than the spiral body to provide fluid chambers inside the inner casing at opposite ends of the spiral body. These chambers may be connected by pipes to a hot water storage tank or the like. The outer casing may be connected to pipes from a boiler or other source of hot water. The lower end plate of the outer casing may be removed to permit removal of the spiral body to facilitate cleaning, repair, etc., without disturbing any pipe connections. The inner casing may also be readily removed by disconnecting its pipes. Modification shown.

Pat. 2,021,009. **HEAT EXCHANGER.** Patented Nov. 12, 1935. Reg. No. 9,115.

This exchanger for heating fluids or plastic substances is designed to facilitate removal of the coils to permit cleaning, repair, or replacement and to provide a relatively large radiating or contact surface for a fluid-heating medium, thereby resulting in rapid transfer of heat. A series of separate elongated tubular sections, which are T-shaped in cross section, are arranged side by side inside a casing to provide two independent continuous coil-like fluid passages through the exchanger. One passage extends through the tubular sections while the other extends between opposed sections and around the ends. Both ends of the casing are closed by end plates. One end plate may be removed to permit each tubular section to be separately removed for cleaning, etc. A suitable heating fluid may be circulated through one passage and a fluid to be heated circulated through the other passage. Modifications are shown.

Pat. 2,029,927. **WATER HEATER.** Patented Feb. 4, 1936. Reg. No. 9,116.

This heater is constructed and arranged so that products of combustion will first contact the coil and then the bottom of a storage tank or boiler to render the heater more efficient. The construction and arrangement of the coil also facilitate easy cleaning. The coil comprises a tubular casing having spaced lateral tubes which are closed at their outer free ends. A removable baffle plate divides each tube into two longitudinal passages which communicate with each other and the bore of the casing to provide a continuous zig-zag passage for circulation of water through coil. Plugs in openings in the casing may be removed to permit removal of the baffles for cleaning them and the tubes. The casing may also be cleaned out by removing plugs in a four-way T-coupling on the end of the casing. Modification shown.

Pat. 2,431,192. **DISPENSING DEVICE.** Patented Nov. 18, 1947. A dropper, attachable to a bottle, for dispensing

liquids in measured quantities without visual control of user. Rubber bulbs holding different amounts are supplied. A glass or plastic tube (like a medicine dropper) with a small-opening spout passes through the bulb and into the bottle, so that four or five perforations in the tube are covered by the bulb. When bottle is inverted, liquid flows through the perforations in the tube into the bulb but does not flow out through the spout because of the smallness of the opening and the capillary forces in the liquid. When bulb is compressed, liquid contained therein is dispensed through the dropper. (Owner) Charles E. Munson, 31 Canoe Brook Parkway, Summit, N. J. Groups 80—51; 32—29. Reg. No. 9,117.

Pat. 2,020,992. EXERCISING MACHINE. Patented Nov. 12, 1935. A movable motor-operated exercising machine has base with a motor thereon connected to rear driving shaft. A casing houses a speed-reduction unit supported in an angularly adjusted position about the axis of driving shaft. A rectangular frame is mounted vertically on base. A pair of lower pedals and a pair of upper cranks at sides of frame serve as foot rests and hand-grips and are rotated by a transmission from driven shafts to cause the arms and legs to go through circular motions. Operator may sit on table if desired and may slow down machine by pressing heavily on pedals. In a modified form the machine is set at various inclined positions to exercise different muscles. (Owner) Isabelle M. Caplan, % Samuel J. Stoll, 93—03 Sutphin Boulevard, Jamaica 2, N. Y. Group 39—49. Reg. No. 9,118.

Pat. 2,163,392. MAN'S VEST. Patented June 20, 1939. When worn with a coat, this garment gives the appearance of a formal shirt and formal vest but in reality consists of an openable shirt front and vest front with lower end of shirt front releasably connected to a belt by a slide fastener. Collar and shirt portion are integrally formed. A back panel may be formed integrally with the neck portion and be connected to belt. Belt has elastic insert or adjustable straps. Modifications are shown. (Owner) Mary Bello, 1678 83rd St., Brooklyn, N. Y. Group 23—11—21. Reg. No. 9,119.

Pat. 2,431,868. DETACHABLE SHOE HEEL. Patented Dec. 2, 1947. This patent provides a means by which heels may be replaced, without the use of nails, for repairs or style changes. A detachable heel has slot into

which a T-shaped formation may be inserted, the T-shaped formation depending from a base member or clamping assembly made up of a rigid plate and a flexible spring-biased top plate. The shoe to which the clamping assembly is to be attached is slightly modified, the heel portion of the upper being cut so that the innersole may be raised to disclose an inner flange to which the base member is clamped. A lock bar on the forward face of the heel is slid into place across the slot to restrain the heel in place. (Owner) Thomas Gilmour, 611 New York Ave., Brooklyn 3, N. Y. Groups 31—41; 33—99. Reg. No. 9,120.

Pat. 2,430,613. WORK HOLDING MEANS. Patented Nov. 11, 1947. Wedge-block holders are used for holding work on grinders, planers, or milling machines having T-slotted surfaces. Holders have curved peripheral portion between the two faces. A threaded hole extending between faces, eccentrically placed relative to the curved peripheral portion, receives the threaded stem of a cap screw, the head of which is positioned in the enlarged portion of the T-slot. A wrench socket in end of the threaded stem enables cap screw to be turned, clamping the body of wedge to the surface, and the peripheral portion of wedge will bear against the work piece. The work of positioning and holding is thus done from the top of the machine surface. Blocks are made of steel, plastic, or rubber. (Owner) Robert W. Hodge, Community National Bank Bldg., Pontiac 14, Mich. Groups 30—32; 33—59; 39—81. Reg. No. 9,121.

Pat. 2,430,961. MECHANICAL DEVICE FOR LOCKING TOGETHER THE MATCHING SURFACES OF PREFABRICATED PANELS. Patented Nov. 18, 1947. Detachable connectors for joining sections of prefabricated walls, floors, roofs, etc., the meeting edges of which have registering grooves. Two elements (approximately 6 inches) of sheet metal stampings are fixed to meeting edges of panels forming interfitting tongue and groove parts. A sliding element carries wedge-shaped out-struck projectors whereby interfitting tongue and groove parts are connected. A key-operated activating device is used to tighten the assembly and form a rigid weatherproof joint. To demount the panels, the wedges are moved out of wedging position. (Owner) Ivan F. Sprunger, 620 North Ewing St., Seymour, Ind. Group 33—73. Reg. No. 9,122.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 10, 1948

[Vol. 607. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 499,869. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y. Filed Apr. 8, 1946.

AROSIL

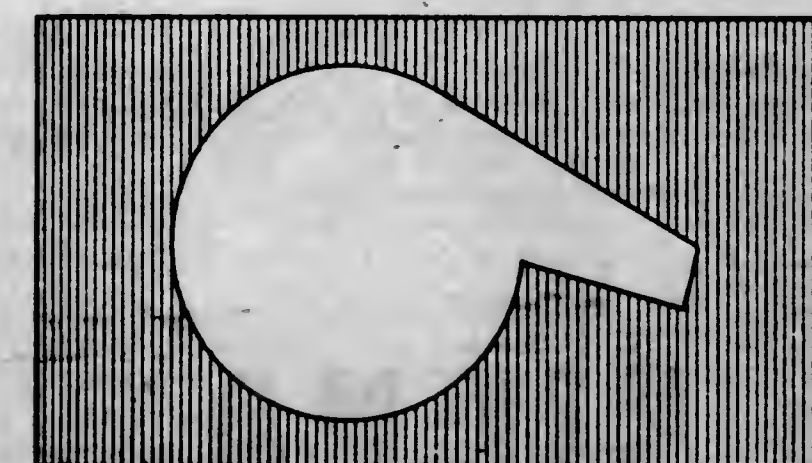
FOR ORGANOSILICON COMPOUNDS HAVING A GENERAL UTILITY IN THE INDUSTRIAL ARTS.
Claims use since Mar. 27, 1946.

Ser. No. 518,269. ASTOR BOISSELIER & LAWRENCE LIMITED, London, England. Filed Feb. 28, 1947.

OKERIN

FOR COMPOUNDED WAXES INCLUDING ONE OR MORE OF THE FOLLOWING INGREDIENTS: WAXES MADE FROM PURE PETROLEUM HYDROCARBONS, VEGETABLE WAXES, BEESWAX, AND SYNTHETIC WAXES, SAID COMPOUNDED WAXES BEING FOR USE IN MANUFACTURES REQUIRING WAXES.
Claims use since January 1936.

Ser. No. 521,690. SHEFFIELD FARMS COMPANY, INC., New York, N. Y. Filed May 1, 1947.



The drawing is lined for red.
FOR CASEIN FOR USE IN THE INDUSTRIAL ARTS.
Claims use since Feb. 20, 1947.

607 O. G.—14

Ser. No. 524,781. THE DOUGHTEN SEED COMPANY, Jersey City, N. J. Filed June 25, 1947.

COLONY GREEN

The word "Green" is disclaimed except in combination with the other word of the mark.
FOR MIXED GRASS SEED AND LAWN SEED MIXTURE.
Claims use since Apr. 30, 1947.

CLASS 2

RECEPTACLES

Ser. No. 508,974. BUEHNER & WANNER, INC., New York, N. Y. Filed Sept. 13, 1946.

BUENILUM

FOR BOXES MADE FROM ALUMINUM, COPPER, BRASS, AND PEWTER, USED FOR ORNAMENTAL PURPOSES AND THE STORING OF TRINKETS AND THE LIKE.
Claims use since June 1933.

Ser. No. 511,844. UNITED DEVICE CORPORATION, New York, N. Y. Filed Oct. 31, 1946.

CARVE MASTER

No claim is made to the word "Carve" apart from the mark as shown.
FOR WOODEN CARVING TRAYS.
Claims use since Oct. 8, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 508,309. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo. Filed Aug. 30, 1946.

SPARKY

FOR LIQUID WINDOW CLEANER.
Claims use since June 5, 1946.

Ser. No. 510,989. WINN PRODUCTS CORPORATION, Newport News, Va. Filed Oct. 16, 1946.

Ty-clean

The word "Clean" is disclaimed apart from the mark.
FOR TYPEWRITER CLEANING FLUIDS.
Claims use since June 28, 1946.

Ser. No. 511,032. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo. Filed Oct. 17, 1946.

Win-Glo

FOR WINDOW CLEANER AND APPLICATOR FOR USE WITH SAME.
Claims use since Oct. 3, 1946.

Ser. No. 511,799. DETERGENTS, INC., Columbus, Ohio. Filed Oct. 31, 1946.

all

FOR DETERGENTS FOR USE AS A LAUNDRY POWDER.
Claims use since Sept. 29, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 486,627. S. B. PENICK & COMPANY, New York, N. Y. Filed Aug. 2, 1945.

JASMONENE

FOR AROMATIC CHEMICALS USED AS A CONSTITUENT IN THE MANUFACTURE OF PERFUMES.
Claims use since Sept. 1, 1943.

Ser. No. 502,366. COLONIAL DAMES COMPANY, LTD., Los Angeles, Calif. Filed May 18, 1946.

**SECRETS OF
Hollywood**

Applicant disclaims the geographical word "Hollywood" apart from the mark as shown.

FOR BRILLIANTINE, NIGHT CREAM AND CLEANSING CREAM.

Claims use since Sept. 8, 1936, on brilliantine; and since Aug. 21, 1945, on night cream and cleansing cream.

Ser. No. 503,327. R & H LABORATORIES, Detroit, Mich. Filed June 5, 1946.

SIGNA

FOR THERAPEUTIC AGENT FOR THE TREATMENT OF FUNGUS INFECTIONS.
Claims use since May 7, 1946.

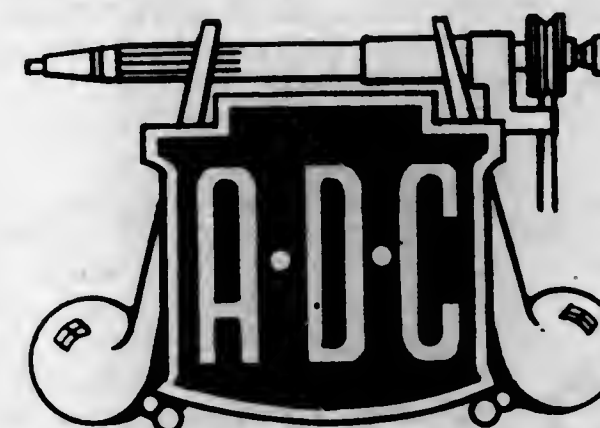
Ser. No. 505,110. NATIONAL WAX COMPANY, Chicago, Ill. Filed July 5, 1946.

FETHERWET

FOR WETTING AGENT USED IN DEFEATHERING FOWLS.

Claims use since June 17, 1946.

Ser. No. 506,638. MALCOLM B. BOWERS, doing business as American Dental Chemical Company, Dallas, Tex. Filed Aug. 1, 1946.



FOR DENTAL PREPARATIONS AND PHARMACEUTICAL PREPARATIONS—NAMELY, ZINC OXIDE, AROMATIC TOLAMINE COMPOUND, EUGENOL, AMMONIACAL SILVER NITRATE, TOPICAL ANESTHETIC LIQUID, INTERMEDIARY CAVITY VARNISH, SULFANILAMIDE SURGICAL PASTE, PROTECTIVE LIP OINTMENT, ORAL PROPHYLACTIC PASTE, AND MOUTH RINSE.

Claims use since Oct. 1, 1938.

Ser. No. 510,932. EUGENE C. BIELEFELD, doing business as Bielefeld Products Co., New Knoxville, Ohio. Filed Oct. 16, 1946.

RAD

FOR RAT POISON.
Claims use since Oct. 5, 1946.

Ser. No. 512,510. LOUIS JAY KANTER, doing business as Jay Chemical Company, Cleveland, Ohio. Filed Nov. 13, 1946.

TOE-X

The drawing is lined to indicate shading only. No claim is made to the word "Toe" apart from the mark.

FOR MEDICINAL PREPARATIONS IN THE FORM OF A POWDER OR SALVE CONTAINING AMMONIUM ALUMINUM SULPHATE, METHYL SALICYLATE AND SALICYLIC ACID AS ACTIVE INGREDIENTS, FOR APPLICATION TO INGROWING TOE NAILS TO CAUSE DESTRUCTION OF THE PATHOLOGIC TISSUES AND TO FORM A HARD RESISTANT AND NON-SENSITIVE BED FOR THE NAIL.

Claims use since July 23, 1946.

Ser. No. 515,508. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich. Filed Jan. 9, 1947.

CB

FOR CHEMICAL FIRE EXTINGUISHING COMPOSITION FOR USE IN ORDINARY FIRE EXTINGUISHERS.
Claims use since Nov. 29, 1946.

Ser. No. 517,109. BAYBANK PHARMACEUTICALS, INC., New York, N. Y. Filed Feb. 7, 1947.

BAYBANK

FOR PREPARATIONS IN LIQUID, JELLY AND OINTMENT FORM FOR THE RELIEF OF CATARRH AND ALL AFFECTIONS OF THE MUCOUS MEMBRANES OF THE BODY, AND FOR USE IN MASSAGING.

Claims use since November 1946.

Ser. No. 517,725. JEFFREYS LABORATORIES, INCORPORATED, Salem, Va. Filed Feb. 18, 1947.

LIQUEZYME

FOR BACTERIAL ENZYME MATERIAL COMPRISING A CULTURE OF ENZYME-PRODUCING BACTERIA ON GRANULAR SOLIDS, AN EXTRACT OF SUCH CULTURE OR A CONCENTRATE OF SUCH EXTRACT, FOR THE HYDROLYSIS OR DEGRADATION OF STARCHY AND/OR PROTEINACEOUS SUBSTANCES IN THE PRE-COOKING, CONVERSION OR FERMENTATION OF GRAIN MASHES AND THE LIKE.

Claims use since Mar. 8, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 507,326. MACROLYN, INC., Houston, Tex. Filed Aug. 13, 1946.

Neotron

The drawing is lined for shading only.

FOR LAMINATES AND CAST PLASTIC SHEETS, PANELS, MOLDED CORNERS AND JOINT STRIPS USED FOR DECORATIVE AND STRUCTURAL PURPOSES, FORMED OF POLYESTER TYPE RESINS AND BASE STOCK OR FILLER SUCH AS PAPER, CLOTH, GLASS CLOTH, FIBRES OR MIXTURES THEREOF.

Claims use since May 17, 1946.

Ser. No. 526,257. KOOLITE, INC., Houston, Tex. Filed July 4, 1947.



The right to the exclusive use of the slat awning design, apart from the mark as shown, is hereby disclaimed.
FOR SLAT AWNINGS.
Claims use since June 24, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 486,564. THE CHAPMAN VALVE MANUFACTURING COMPANY, Indian Orchard, Springfield, Mass. Filed Aug. 1, 1945.

MALCOMIZED

FOR PARTS OF VARIOUS TYPES OF VALVES SUCH AS SPINDLES, NUTS, GLANDS, BODIES, PLUGS, GATES, STUFFING BOXES AND HAND WHEELS.
Claims use since June 8, 1945.

Ser. No. 495,269. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed Jan. 24, 1946.

Bakette

FOR BASE METAL COOKING AND TABLE HOLLOW WARE—NAMELY, A NON-ELECTRIC UTENSIL FOR BAKING VARIOUS FOODS, AND SERVING THE SAME AT THE TABLE.
Claims use since Sept. 7, 1945.

Ser. No. 495,270. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed Jan. 24, 1946.

Broilette

FOR BASE METAL COOKING AND TABLE HOLLOW WARE—NAMELY, A NON-ELECTRIC UTENSIL FOR USE IN BROILING STEAKS, CHOPS AND THE LIKE AND SERVING THE SAME AT THE TABLE.
Claims use since Sept. 7, 1945.

Ser. No. 495,271. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed Jan. 24, 1946.

Fryette

FOR BASE METAL COOKING AND TABLE HOLLOW WARE—NAMELY, A NON-ELECTRIC UTENSIL FOR ALL FRYING PURPOSES AND IN WHICH THE FOOD FRIED THEREIN MAY BE SERVED AT THE TABLE.
Claims use since Sept. 7, 1945.

Ser. No. 495,272. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed Jan. 24, 1946.

Roastette

FOR BASE METAL COOKING AND TABLE HOLLOW WARE—NAMELY, A NON-ELECTRIC UTENSIL FOR USE IN ROASTING VARIOUS MEATS AND SERVING THE SAME AT THE TABLE.
Claims use since Sept. 7, 1945.

Ser. No. 500,175. MERIT MACHINE & METAL WORKS, Brooklyn, N. Y. Filed Apr. 13, 1946.

AMPARO

FOR ALUMINUM COOKING UTENSILS—NAMELY, FRYING PANS.
Claims use since Mar. 22, 1946.

Ser. No. 500,229. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Apr. 15, 1946.

Linde

FOR CYLINDER CHARGING RACKS FOR GAS.
Claims use since Mar. 25, 1946.

Ser. No. 500,806. LALANCE & GROSJEAN MFG. CO., Woodhaven and New York, N. Y. Filed Apr. 24, 1946.



CRUSADER

Applicant is the owner of Reg. Nos. 250,639 and 384,926.
FOR SHEET METAL WARE, VIZ., BAIN MARIES, BASINS, ARM BATHS, FOOT BATHS, BEAKERS, BOWLS, DRAIN BOARDS, FOOD BOILERS, BREAD RAISERS, BROILERS, CHAMBERS, COLANDERS, COOKERS, COVERS FOR PANS, CAKE COVERS, CUPS, CUSPIDORS, CRULLER POT DRAINERS, WIRE BASKETS FOR USE IN CONNECTION WITH COOKING POTS, FUNNELS, HOT TABLE INSERTS, MILK KETTLES, CAKE MOULDS, SAUCE PANS, ROASTING PANS, BAKING PANS, PUDDING PANS, FRYING PANS, PERCOLATORS, PITCHERS, PLATES, PLATTERS, SAUCE AND STOVE POTS, ROASTERS, MUFFIN RINGS, CONTAINERS FOR SERVING COFFEE AND OTHER BEVERAGES SIMILAR IN APPEARANCE TO COFFEE POTS, SIEVES, SINKS, SKEWERS, SKILLETS, STEAMERS, STRAINERS, METAL DRINKING CUPS, TUREENS, TRAYS, PERFORATED METAL PLATES FOR USE IN CONJUNCTION WITH COOKING UTENSILS, NON-ELECTRICAL BAR, COCKTAIL AND MILK SHAKERS, AND SINK AND TABLE GLASS-WASHING AND REFUSE WELLS.
Claims use since Apr. 15, 1946.

Ser. No. 510,149. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Oct. 3, 1946.



FOR HAND-OPERATED GAS OR LIQUID CONTROL VALVES.
Claims use since May 21, 1945.

Ser. No. 511,126. WILLIAM G. PERSINGER, Burbank, Calif. Filed Sept. 3, 1946.



The word slogan "Keep Your Shoes Shining," the word "Shine" itself and the representation of the shoe auvil are disclaimed apart from the mark as shown.
FOR SHOE HOLDER OF STEEL DESIGNED TO SUPPORT AND TO HOLD STEADY A SHOE WHILE IT IS BEING SHINED.
Claims use since Feb. 8, 1946.

Ser. No. 518,692. ST. PIERRE CHAIN CORPORATION, Worcester, Mass. Filed Mar. 7, 1947.

FINGER-TIP

FOR SIDE CHAIN FASTENERS, FOR TIRE CHAINS.
Claims use since July 1945.

Ser. No. 519,875. KATHARINE LEE JONES, doing business as The Van-Guard Company, Kansas City, Mo. Filed Mar. 31, 1947.



FOR ICE CREEPERS TO BE ATTACHED TO THE SOLES OF THE SHOES OF THE WEARER.
Claims use since January 1940.

Ser. No. 520,090. CHATSWORTH MANUFACTURING CO., Chatsworth, Ga. Filed Apr. 3, 1947.



FOR ROTARY LAWN SPRINKLERS WHICH ARE ADAPTED TO BE ATTACHED TO A HOSE.
Claims use since Dec. 1, 1945.

Ser. No. 521,375. WIREWAY LOOMS COMPANY, Charles River, Mass. Filed Apr. 25, 1947.

WIREWAY

FOR WOVEN METAL ORNAMENTAL GRILLE WORK AND WIRE CLOTH AND NETTING.
Claims use since Feb. 20, 1947.

Ser. No. 522,986. CHARLES RICHARD NAGEL, doing business as Arnagel Industries, Burbank, Calif. Filed May 24, 1947.

FLATDAPTER

FOR MOUNTING ADAPTERS IN THE FORM OF SMALL ANGULAR FITTINGS USED TO MOUNT SCREEN DOOR GUARDS ON SCREEN DOOR FRAMES OVER THE SCREENS THEREIN AND TO MOUNT GRILLES ON WINDOW FRAMES OVER THE WINDOWS THEREIN.

Claims use since July 1946.

Ser. No. 523,217. ALTHEIMER & BAER, INC., Chicago, Ill. Filed May 28, 1947.

ALLTIMER

FOR STAINLESS COOKING UTENSILS—NAMESLY, FRYING PANS, SAUCEPANS, DUTCH OVENS, DOUBLE BOILERS, AND CHICKEN FRYERS.
Claims use since Jan. 16, 1945.

Ser. No. 523,255. FREEPORT MACHINE WORKS, INC., New York, N. Y. Filed May 29, 1947.



No claim is made to the words "Copper Stainless Steel," "Brand" and "Freeport" apart from the association shown. FOR COOKING AND BAKING VESSELS, COOKING AND BAKING DISHES, POTS, PANS, CASSEROLES, AND WATER BOILERS, CANISTERS, AND TEA KETTLES MADE FROM COPPER PLATED STAINLESS STEEL.

Claims use since April 1947.

Ser. No. 523,868. THE STANSEN CORPORATION, Chicago, Ill. Filed June 9, 1947.

Travel-awn

FOR WATER SPRINKLERS FOR LAWNS.
Claims use since May 2, 1944.

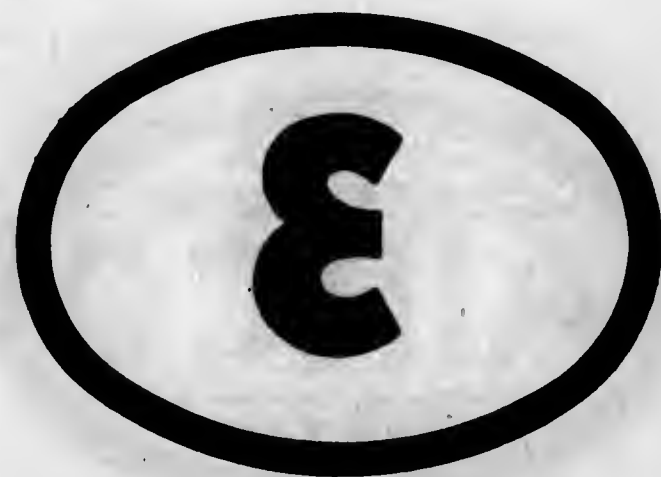
CLASS 15 OILS AND GREASES

Ser. No. 497,877. MINNESOTA MICACEOUS PRODUCTS, INC., Minneapolis, Minn. Filed Mar. 8, 1946.

THERMALUBE

FOR HIGHLY REFINED, NON-METALLIC MINERAL REFRACTORY LUBRICATING COMPOUND, IN POWDERED FORM, OF EXFOLIATED VERMICULITE ORE.
Claims use since Nov. 1, 1945.

Ser. No. 504,689. PENOLA INC., Chicago, Ill. Filed June 27, 1946.



Applicant is the owner of registration No. 76,504, registered Jan. 25, 1910 (renewed).

FOR REFINED, SEMI-REFINED AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATION PURPOSES, AND LUBRICATING GREASES.

Claims use since Feb. 26, 1946.

Ser. No. 505,625. JOSEPH B. SAUNDERS, doing business as Triangle Refineries, Houston, Tex. Filed July 13, 1946.



FOR PETROLEUM PRODUCTS—NAMESLY, GASOLINE, KEROSENE, GAS OIL, FUEL OIL FOR POWERING DIESEL ENGINES, FURNACES AND THE LIKE, AND LUBRICATING OILS AND GREASES.
Claims use since June 20, 1946.

Ser. No. 514,911. RALPH M. ROUSE, doing business as Quietrole Company, Spartanburg, S. C. Filed Dec. 27, 1946.

QUIETROLE

FOR LUBRICATING OIL FOR LUBRICATING LIGHT MACHINERY.
Claims use since Dec. 14, 1946.

Ser. No. 519,164. ATLAS LUBRICANT CORPORATION, New Orleans, La. Filed Mar. 18, 1947.



Exclusive rights in the word "Aero" are not claimed apart from the rest of the mark.
FOR LUBRICATING OILS AND GREASES.
Claims use since Sept. 6, 1940.

Ser. No. 522,199. THE TEXAS COMPANY, New York, N. Y. Filed May 10, 1947.

TEXAMATIC

FOR LUBRICATING AND HYDRAULIC OILS INTENDED FOR USE IN HYDRAULIC TRANSMISSION OF AUTOMOTIVE VEHICLES.
Claims use since Apr. 14, 1947.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 518,895. KORAN'S ENTERPRISES, Scranton, Pa. Filed Mar. 12, 1947.



FOR RUBBER FLOOR TILES.
Claims use since July 23, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 437,918. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Nov. 15, 1940.

Concert Grand

FOR RADIO RECEIVERS, ELECTRIC PHONOGRAPHS, AND RADIO-PHONOGRAPH COMBINATIONS.

Claims use since Oct. 24, 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 510,632. WILSON SPORTING GOODS CO., Chicago, Ill. Filed Oct. 10, 1946.

GENUINE Strata-Bloc

No claim is made to the word "Genuine" apart from the mark.

FOR GOLF CLUBS.

Claims use since Apr. 27, 1942.

Ser. No. 513,419. HORROCKS-IBBOTSON COMPANY, Utica, N. Y. Filed Nov. 29, 1946.



The representation of the male figure is fanciful.
FOR FISHING RODS AND POLES, FISHING REELS, FISHING LINES, HOOKS, SINKERS, ARTIFICIAL FISH BAIT, FLOATS, FLIES, BAIT BOXES, LEADERS, FISH NETS, SPINNERS, FISHING SPEARS, AND FISHING FLIES.

Claims use since Jan. 1, 1945.

Ser. No. 523,096. ALICE L. CLARK, doing business as Nina Doll Co., Mill Valley, Calif. Filed May 27, 1947.

**LITTLE
BLACK
SAMBO**

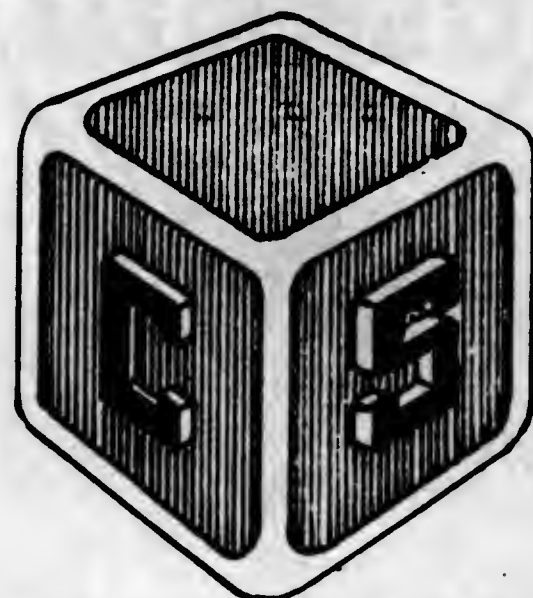
The words "Little" and "Black" are disclaimed apart from the mark.
FOR DOLLS.

Claims use since May 5, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 512,644. CUBE STEAK MACHINE COMPANY, Boston, Mass. Filed Nov. 15, 1946.



The drawing is lined to indicate red color.
FOR BOTH MANUALLY OPERATED AND ELECTRICALLY OPERATED MACHINES FOR SLICING MEAT FOR RETAIL BUTCHER INDUSTRY.

Claims use since Nov. 15, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

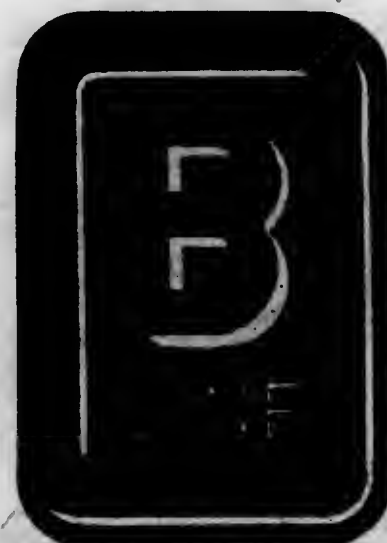
Ser. No. 487,476. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Aug. 23, 1945.

Linde

FOR FLOW METERS FOR OXYGEN, ARGON, AND HELIUM; AND SLIDE FILMS FOR PROJECTION.

Claims use since February 1940 in respect of flow meters; and since May 6, 1944, in respect of slide films.

Ser. No. 492,353. MAX BLACK, doing business as M. Black Manufacturing Company, Philadelphia, Pa. Filed Nov. 29, 1945.



Applicant disclaims the word "Line" apart from the mark.

FOR PHOTOGRAPHIC LIGHTING EQUIPMENT—NAMESLY, PHOTOFLOOD AND PHOTOFLASH LAMP SOCKET AND REFLECTOR ASSEMBLIES, REFLECTORS AND REFLECTOR CLAMPS.

Claims use since January 1939.

Ser. No. 511,483. LIBERTY OPTICAL MANUFACTURING CO. INC., Newark, N. J. Filed Oct. 25, 1946.

Ser. No. 516,404. FBLCH-ANDERSON Co., Providence, R. I. Filed Jan. 27, 1947.

CELEBRITY

FOR FRAME FOR SPECTACLES.
Claims use since February 1944.

Ser. No. 511,484. LIBERTY OPTICAL MANUFACTURING CO. INC., Newark, N. J. Filed Oct. 25, 1946.

706

FOR FRAME FOR SPECTACLES.
Claims use since February 1944.

Ser. No. 517,818. THE WALTER M. BALLARD Co., Washington, D. C. Filed Feb. 20, 1947.

FLASHDEX

FOR DEVELOPED EXPOSED FILMS OF A PHOTOGRAPHIC NATURE AND UNEXPOSED SENSITIZED FILMS FOR PHOTOGRAPHIC USES.

Claims use since Dec. 18, 1943.

Ser. No. 518,571. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed Mar. 5, 1947.

SYNCHROMATIC

FOR PHOTOGRAPHIC SHUTTERS FOR CAMERAS.
Claims use since Aug. 9, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 516,014. CORNELL GROSSMAN, Millburn, N. J. Filed Jan. 20, 1947.



FOR FINGER RINGS, BRACELETS, NECKLACES, AND PINS FOR PERSONAL WEAR.
Claims use since Dec. 24, 1946.



FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES.
Claims use since Mar. 28, 1946.

Ser. No. 518,473. HARRY MORRIS ASSOCIATES, Chicago, Ill. Filed Mar. 4, 1947.

Harmon

The mark consists only of the word "Harmon."
FOR JEWELRY FOR PERSONAL ADORNMENT (NOT INCLUDING WATCHES)—NAMESLY, NECKLACES, BRACELETS, BROOCHES, LAVALIERS, EARRINGS AND PENDANTS, ALL MADE OF PRECIOUS, OR PLATED WITH PRECIOUS METAL.

Claims use since November 1946.

Ser. No. 524,609. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed June 21, 1947. Under 10-year proviso.

WM ROGERS & SON

FOR SILVER-PLATED HOLLOW-WARE.
Claims use since 1882.

Ser. No. 525,671. C. D. PEACOCK, Inc., Chicago, Ill. Filed July 2, 1947. Under 10-year proviso.

PEACOCK

FOR FINGER RINGS MADE OF PRECIOUS METALS—NAMESLY, MEN'S, LADIES', CHILDREN'S, AND BABIES', PLAIN, ENGRAVED, PRECIOUS AND SEMI-PRECIOUS STONE MOUNTED, SIGNET, PEARL, CAMEO, CORAL AND MISCELLANEOUS FINGER RINGS; STERLING AND PLATED SILVER TABLEWARE—NAMESLY, FLAT-WARE AND HOLLOW-WARE; PEARL-HANDLED TABLEWARE; CARVING SETS AND PIECES HAVING PEARL HANDLES AND HANDLES MADE OF GOLD AND SILVER; GOLD FLATWARE AND HOLLOWWARE; AND MISCELLANEOUS SERVING PIECES MADE OF GOLD, SILVER AND SILVER PLATE.

Claims use since 1837.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 497,440. AMERICAN CHAIR COMPANY, Sheboygan, Wis. Filed Mar. 1, 1946.



FOR LOOSE-CUSHION UPHOLSTERED DAVENPORTS, BOTH SECTIONAL AND STATIONARY WITH MATCHING CHAIRS, CHAISE LOUNGES, COUCHES, OCCASIONAL CHAIRS, OCCASIONAL TABLES, DESKS, BARS, WALL RACKS, BOOKCASES, MAGAZINE BASKETS, DINETTE TABLES AND DINETTE CHAIRS, FLOWER STANDS AND STOOLS.
Claims use since Oct. 15, 1945.

Ser. No. 503,330. SEALY, INCORPORATED, Chicago, Ill. Filed June 5, 1946.

NATURAL REST

FOR MATTRESSES AND BOX SPRINGS.
Claims use since July 1, 1928.

Ser. No. 510,007. GEORGE F. BRADY, Montoursville, Pa. Filed Oct. 1, 1946.

"TRAVELING COMPANION"

FOR CUSHIONED HEAD RESTS.
Claims use since on or about July 1, 1946.

Ser. No. 522,842. THORNTON VENETIAN BLIND MANUFACTURING COMPANY, Hot Springs, Ark. Filed May 22, 1947.

SUN-GLO

FOR VENETIAN BLINDS.
Claims use since Mar. 1, 1946.

Ser. No. 525,181. AVCO MANUFACTURING CORPORATION, Detroit, Mich. Filed June 30, 1947.

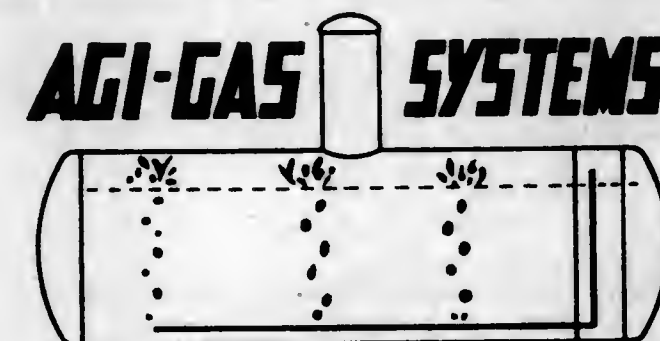


No claim is made to the words "Manufacturing Corporation" except as a part of the mark as shown.
FOR KITCHEN AND UTILITY CABINETS.
Claims use since May 23, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 504,145. AGI-GAS CORPORATION, Tulsa, Okla. Filed June 19, 1946.



No claim is made to the representation of the tank nor to the words "Gas" or "Systems" apart from the mark as shown.

FOR GAS DISTRIBUTING APPARATUS AND PARTS THEREOF WHICH COMPRISE A UNIT FOR STORAGE AND DISTRIBUTION OF LIQUIFIED PETROLEUM GAS.

Claims use since Sept. 4, 1945.

Ser. No. 504,225. UNITED WELDING AND CONSTRUCTION COMPANY, INC., Philadelphia, Pa. Filed June 19, 1946.



FOR DOMESTIC WATER BOILERS AND HEATERS USING OIL OR GAS.
Claims use since May 31, 1946.

Ser. No. 504,606. DET NORSKE AKTIESELSKAB FOR ELEKTROKEMISK INDUSTRI, Oslo, Norway, and New York, N. Y. Filed June 26, 1946.



No claim is made to any exclusive rights in the word "Elektrokemisk."
FOR METALLURGICAL FURNACES AND PARTS OF SUCH FURNACES.
Claims use since Apr. 26, 1944.

Ser. No. 504,645. UNITED WELDING AND CONSTRUCTION COMPANY, INC., Philadelphia, Pa. Filed June 26, 1946.



FOR DOMESTIC WATER BOILERS AND HEATERS USING OIL OR GAS.
Claims use since May 31, 1946.

Ser. No. 506,837. REMINGTON CORPORATION, Cortland, N. Y. Filed Aug. 3, 1946. Under section 5b of the act of 1905 as amended in 1920.



FOR ROOM AIR CONDITIONING UNITS, COMPRISING A CABINET CONTAINING A REFRIGERATING SYSTEM OF THE MECHANICAL COMPRESSION TYPE, AND MEANS FOR CIRCULATING ROOM AIR OVER THE COOLING ELEMENT OF SAID SYSTEM.
Claims use since July 31, 1937.

Ser. No. 509,174. STANDARD GAS EQUIPMENT CORPORATION, Baltimore, Md. Filed Sept. 16, 1946.



FOR GAS COOKING STOVES.
Claims use since May 1, 1946.

Ser. No. 509,175. STANDARD GAS EQUIPMENT CORPORATION, Baltimore, Md. Filed Sept. 16, 1946.



FOR GAS COOKING STOVES.
Claims use since May 1, 1946.

Ser. No. 509,176. STANDARD GAS EQUIPMENT CORPORATION, Baltimore, Md. Filed Sept. 16, 1946.



FOR GAS COOKING STOVES.
Claims use since May 1, 1946.

Ser. No. 509,177. STANDARD GAS EQUIPMENT CORPORATION, Baltimore, Md. Filed Sept. 16, 1946.



FOR GAS COOKING STOVES.
Claims use since May 1, 1946.

Ser. No. 520,972. FRANK J. SCALLON, doing business as The Midget Louver Company, Norwalk, Conn. Filed Apr. 18, 1947.

"MIDGET" LOUVER

Applicant disclaims any exclusive use of the word "Louver" except in the association shown.
FOR VENTILATING LOUVERS FOR USE ON BUILDING.
Claims use since Jan. 5, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 511,855. ARVEY CORPORATION, Chicago, Ill. Filed Nov. 1, 1946.

IMPERVO

FOR PRINTED MOISTURE-PROOF AND WATER-PROOF CARDBOARD OUTDOOR ADVERTISING DISPLAY SIGNS.
Claims use since July 17, 1938.

CLASS 39

CLOTHING

Ser. No. 479,923. DESMOND'S, Los Angeles, Calif., assignor to Desmond's, Inc., Los Angeles, Calif., a corporation of California. Filed Feb. 17, 1945.

FOUR-SOME

FOR MEN'S AND BOYS' OVERCOATS, TOPCOATS, SUITS, TROUSERS, VESTS, NECKSCARFS, NECKTIES, CAPS, HATS; SHOES MADE OF LEATHER, RUBBER, AND FABRICS AND COMBINATIONS THEREOF; GLOVES MADE OF LEATHER AND TEXTILE FABRICS, MITTENS; BATHING SUITS; SPORTSWEAR—NAMESLY, SHORTS, SLACKS, JACKETS, NEGLIGEE SHIRTS, SWEATERS; UNDERSHIRTS AND UNDER-SHORTS; HOSIERY, PAJAMAS; AND WOMEN'S COATS, SUITS, DRESSES; LINGERIE—NAMESLY, NIGHTGOWNS, PAJAMAS, SLIPS, PANTIES, BRASSIERES, GIRDLES, NEGLIGES AND LOUNGING ROBES; SPORTSWEAR—NAMESLY, SHORTS, BLOUSES, JACKETS, OUTERSKIRTS, SLACKS, JUMPERS, HALTERS, PLAYSUITS, SUNSUITS, AND SWEATERS; HOSIERY; SHOES MADE OF LEATHER, RUBBER, AND FABRICS, AND COMBINATIONS THEREOF; HATS, AND HANDKERCHIEFS.
Claims use since May 28, 1923.

Ser. No. 489,491. AARON R. SCHARFF, Memphis, Tenn. Filed Oct. 5, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

POSTUR-IZED

FOR WOMEN'S DRESSES, BLOUSES, WAISTS, CHEMISES, AND SLIPS.
Claims use since Aug. 26, 1945.

Ser. No. 500,946. COHAN, ROTH & STIFFSON, New York, N. Y. Filed Apr. 26, 1946.

**PRINCESS
GABY
MINIATURES**

Applicant disclaims the word "Miniatures" except in relation and association shown on the drawing.
FOR NECKTIES, CRAVATS, AND SCARFS.
Claims use since Apr. 1, 1946.

Ser. No. 505,700. CARL GUTMANN & Co., INC., New York, N. Y. Filed July 16, 1946.

MARKSMAN

FOR MEN'S AND BOYS' KNITTED OUTERWEAR—NAMESLY, SLIP-OVER SWEATERS AND POLO SHIRTS.
Claims use since Sept. 1, 1945.

Ser. No. 510,650. JOSEPH H. COHEN & SONS, INC., New York, N. Y. Filed Oct. 11, 1946.

VANITY SPORT SUITER

The notation "Sport" is disclaimed apart from the mark.
FOR MEN'S CLOTHING—NAMESLY, SUITS, TROUSERS, COATS AND TOPCOATS.
Claims use since Sept. 12, 1946.

Ser. No. 514,738. ABBEN-KREMER SHOE COMPANY, Worcester, Mass. Filed Dec. 20, 1946.

Easuals

The mark consists of the word "Easuals."
FOR MEN'S SPORT SHOES.
Claims use since Nov. 1, 1945.

Ser. No. 515,635. RICH GUILD SHIRT COMPANY, New York, N. Y. Filed Jan. 11, 1947.

Spread-a-way

FOR MEN'S OUTER SHIRTS.
Claims use since Nov. 22, 1946.

Ser. No. 516,534. CLUETT, PEABODY & Co., INC., Troy, N. Y. Filed Jan. 29, 1947.

"Sanforset"

FOR MEN'S OUTER SHIRTS.
Claims use since Oct. 14, 1940.

Ser. No. 516,879. VOL CREPE LIMITED, Glossop, England. Filed Feb. 3, 1947.

VOLACREPE

FOR SOLES FOR BOOTS, SHOES, AND SLIPPERS.
Claims use since Feb. 22, 1941.

Ser. No. 518,469. B. LIPPMAN, INC., New York, N. Y. Filed Mar. 4, 1947.

**V
FOURS**

FOR MEN'S AND BOYS' PANTS AND WOMEN'S, MISSES', AND GIRLS' SLACKS.
Claims use since Feb. 14, 1947.

Ser. No. 518,588. CAPSON HAT COMPANY, INC., Fall River, Mass. Filed Mar. 6, 1947.

Whisp-o-Lite

Applicant disclaims the word "Lite."
FOR MEN'S HATS.
Claims use since Feb. 12, 1947.

Ser. No. 518,980. RICH GUILD SHIRT COMPANY, New York, N. Y. Filed Mar. 13, 1947.

Tylounge

FOR MEN'S SPORT SHIRTS AND DRESS SHIRTS.
Claims use since Jan. 2, 1947.

Ser. No. 519,043. TRUBENIZING PROCESS CORPORATION, New York, N. Y. Filed Mar. 14, 1947.

QUALISET

FOR MEN'S COLLARS.
Claims use since Feb. 20, 1947.

Ser. No. 520,591. TRUBENIZING PROCESS CORPORATION, New York, N. Y. Filed Apr. 7, 1947.

COL TRUBENISÉ

FOR OUTER SHIRTS, COLLARS, AND CUFFS.
Claims use since July 27, 1945.

Ser. No. 520,755. MARCUS BREIER'S SONS, New York, N. Y. Filed Apr. 15, 1947.

"IN THE BAG"

FOR MEN'S, WOMEN'S AND BOYS' WEARING APPAREL—NAMESLY, RAIN COATS, GOLF JACKETS, SKI PANTS, SPORTS JACKETS, LEATHER AND SHEEP-SKIN COATS, OVERCOATS, SWEATERS, MACKINAWS, SPORTS PANTS, SWIMMING TRUNKS, HATS, AND OUTER SHIRTS.
Claims use since Jan. 25, 1938.

Ser. No. 521,187. JOSEPH GOLDMAN & BRO. INC., New York, N. Y. Filed Apr. 23, 1947.

**JOSEPH
Junior**

No claim is made to the word "Junior" apart from the mark.
FOR DRESSES.
Claims use since Mar. 1, 1947.

Ser. No. 521,587. SAMUEL J. MILLER AND Co., Baltimore, Md. Filed Apr. 30, 1947.



The word "Ties" is disclaimed apart from the mark. The picture on the drawing is fanciful. FOR NECKTIES AND CRAVATS. Claims use since March 1947.

Ser. No. 521,946. GOLDMAN-NASHER COMPANY, Brockton, Mass. Filed May 6, 1947.



The portrait is a likeness of Myles Standish, the famous historical character, now deceased. FOR MEN'S TOPCOATS, OVERCOATS, SUITS, AND SPORT JACKETS. Claims use since Nov. 25, 1946.

Ser. No. 522,388. PHILCRAFT OVERCOAT COMPANY, Minneapolis, Minn. Filed May 14, 1947.

PHILCRAFT

FOR MEN'S AND WOMEN'S OVERCOATS. Claims use since Jan. 1, 1939.

Ser. No. 523,583. THE H. & S. POGUE COMPANY, Cincinnati, Ohio. Filed June 5, 1947.



MASTER GUILD

FOR MEN'S OUTER SHIRTS. Claims use since Sept. 1, 1934.

Ser. No. 524,140. MANCHESTER KNITTED FASHIONS, INC., Manchester, N. H. Filed June 13, 1947.

POLO MATEY'S

The word "Polo" is disclaimed apart from the mark. FOR KNITTED AND WOVEN SPORTS SHIRTS FOR MEN, WOMEN, AND CHILDREN. Claims use since Feb. 17, 1947.

Ser. No. 525,249. RICHARDS, INC., Wheeling, W. Va. Filed June 30, 1947.

Stoncraft

Clothes

The word "Clothes" is disclaimed apart from the mark. FOR MEN'S AND BOYS' SUITS, COATS, AND JACKETS. Claims use since May 29, 1947.

Ser. No. 525,253. SAGINAW MANUFACTURING COMPANY, York, Pa. Filed June 30, 1947.

Glenway

Junior

No claim is made to the word "Junior" apart from the mark.

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND POLO SHIRTS AND JACKETS FOR SPORT, WORK, AND DRESS WEAR AND TROUSERS. Claims use since Apr. 1, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 504,767. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed June 28, 1946.

WONDERSEAL

FOR WINDOW CURTAINS. Claims use since Apr. 1, 1946.

Ser. No. 509,052. UNITED MERCHANTS AND MANUFACTURERS, INC., New York, N. Y. Filed Sept. 13, 1946.

ROOMAKER

FOR PIECE GOODS OF WOOL, COTTON, RAYON, AND/OR SILK OR COMBINATIONS THEREOF. Claims use since July 23, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 496,732. ROLLO EQUIPMENT, INC., New York, N. Y. Filed Feb. 16, 1946.

SLENDRO

FOR BODY MASSAGING APPARATUS. Claims use since May 10, 1939.

Ser. No. 503,296. JOHNSON & JOHNSON, New Brunswick, N. J. Filed June 5, 1946.

BAND-ITA

The word "Band" is disclaimed apart from the mark. FOR PROTECTIVE SURGICAL ADHESIVE BANDAGES. Claims use since May 7, 1946.

Ser. No. 506,426. COLLEGE OF ELECTRONIC MEDICINE, San Francisco, Calif. Filed July 29, 1946.



FOR ELECTROMAGNETIC-FIELD GENERATORS FOR THERAPEUTIC PURPOSES AND INTENDED FOR USE MAINLY IN THE TREATMENT OF INFLAMMATORY CONDITIONS DUE TO TRAUMA. Claims use since July 17, 1946.

Ser. No. 508,515. DENTAL CASTING PRODUCTS, INC., Cambridge, Mass. Filed Sept. 5, 1946.



The vertical lines are for shading purposes only. FOR DENTAL ALLOY. Claims use since July 22, 1946.

Ser. No. 508,883. AMERICAN ORTHOPEDIC APPLIANCE COMPANY, INC., New York, N. Y. Filed Sept. 12, 1946.



No registration rights are claimed herein for the word "Brand" apart from the mark as a whole. FOR ORTHOPEDIC SHOE INSERTS. Claims use since May 17, 1946.

Ser. No. 520,430. WESTERFIELD PHARMACAL CO., INC., Dayton, Ohio. Filed Apr. 9, 1947.

WESTKETONE

FOR CHEMICAL TEST SET FOR DETERMINING ACETONE IN URINE. Claims use since Dec. 27, 1946.

Ser. No. 520,892. THE OHIO TRUSS COMPANY, Cincinnati, Ohio, now by change of name Surgical Appliance Industries, Inc., a corporation of Ohio. Filed Apr. 17, 1947.

EXCELSIOR

FOR HERNIA TRUSSES. Claims use since June 1892.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 505,755. ROBERT LAMONT, doing business as Red Rock Beverage Co., Altoona, Pa. Filed July 17, 1946.



FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Apr. 15, 1946.

Ser. No. 506,717. GEORGE WOLFF, San Francisco, Calif. Filed Aug. 1, 1946.

"ZIL"

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since July 6, 1946.

Ser. No. 522,407. JET COMPANY, INCORPORATED, Duluth, Minn. Filed May 15, 1947.

JET

FOR BOTTLED SOFT DRINKS—NAMELY, COLA, GINGER ALE, CHARGED WATER, AND LITHIATED LEMON.
Claims use since Apr. 4, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 490,424. T. H. ESTABROOKS CO., LIMITED, Saint John, New Brunswick, Canada. Filed Oct. 24, 1945.

RED ROSE

FOR TEA.
Claims use since Aug. 20, 1895.

Ser. No. 497,484. D. NATHAN LAPORTE, doing business as Bar Food Products Company, Chicago, Ill. Filed Mar. 1, 1946.

PEP-UPS

FOR SALTED, DRY, SMOKED, AND PICKLED FISH AND FISH FILLETS.
Claims use since Jan. 1, 1940.

Ser. No. 506,785. 3 SISTERS COTTAGE INN, Dover, N. J. Filed Aug. 2, 1946.

3 Sisters Cottage Inn

C RACKER
RUM
RUST

The term "Cracker Crum Crust" is disclaimed apart from the mark as shown.

FOR PREPARATIONS OF WHEAT AND CORN FLOUR, SUGAR, CINNAMON, AND SHORTENING FOR MAKING PIE CRUST AND PASTRY SHELLS, OR TOP-PINGS FOR PUDDINGS.
Claims use since July 16, 1946.

Ser. No. 508,354. BIEN TRADING CO., INC., New York, N. Y. Filed Aug. 29, 1946.

KING MICHAEL

FOR CANNED ANCHOVIES AND CANNED TUNA.
Claims use since Jan. 5, 1945.

Ser. No. 508,829. YOSHIOKA BROS., doing business as Hillview Farm, San Jose, Calif. Filed Sept. 10, 1946.

HILL PRIDE

FOR FRESH VEGETABLES, FRESH BERRIES.
Claims use since July 20, 1946.

Ser. No. 508,835. CHINESE TRADING COMPANY, Chicago, Ill. Filed Sept. 11, 1946.



FOR CANNED FRESH BEANSPOUTS, CANNED FRESH CHOP SUEY VEGETABLES, CANNED FRESH CHOW MEIN NOODLES, BOTTLED BEAD MOLASSES, BOTTLED SOY SAUCE, CANNED FRESH MUSHROOMS.
Claims use since Sept. 7, 1946.

Ser. No. 509,602. RODDENBERRY-MOLICA COMPANY, Delano, Calif. Filed Sept. 23, 1946.

Delagold

FOR FRESH GRAPES AND MELONS.
Claims use since June 26, 1946, on fresh melons; and since July 20, 1946, on fresh grapes.

Ser. No. 512,629. TRAMARC'S VALLEY OF HEALTH, Denver, Colo. Filed Nov. 12, 1946.

Valley of Health

The word "Health" is disclaimed apart from the mark.
FOR FRESH PEACHES, APPLES, CELERY, MELONS, AND GARDEN VEGETABLES.
Claims use since Jan. 1, 1946.

Ser. No. 514,318. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Dec. 16, 1946.



The portrait is that of Edwin Eugene Beeman, who was the founder of one of the applicant's predecessors.
FOR CHEWING GUM.
Claims use since 1890 as to the word "Beeman's" and the portrait; and since Aug. 26, 1940, to the mark as shown.

607 O. G.—15

Ser. No. 524,103. BALDWIN DAIRIES, INC., Philadelphia, Pa. Filed June 13, 1947.



No claim is made apart from the other portions of the mark to the representation of a bottle of milk.
FOR MILK AND CREAM.
Claims use since March 1946.

Ser. No. 525,937. DORIS G. PATTERSON, San Francisco, Calif. Filed July 3, 1947.

FRESHABLES

FOR FRESH VEGETABLES—NAMELY, POTATOES, RADISHES, ONIONS, CARROTS, LETTUCE, AND SPINACH, AND POTATOES CHEMICALLY TREATED TO RETAIN COLOR AFTER PEELING AND SLICING.
Claims use since May 1, 1937.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 522,782. THE BURGER BREWING CO., Cincinnati, Ohio. Filed May 21, 1947.



Burger Brau

The portrait shown on the drawing is fanciful. The applicant disclaims exclusive right in the descriptive word "Brau" except in the connection shown.
FOR BEER, MALT BEVERAGES, AND ALE.
Claims use since Sept. 1, 1936.

CLASS 50

MERCHANDISE NOT OTHERWISE
CLASSIFIED

Ser. No. 521,327. CONSTANCE SPRY, INCORPORATED, New York, N. Y. Filed Apr. 25, 1947.

GAY DECEIVERS

FOR ARTIFICIAL FLOWERS.
Claims use since Jan. 25, 1947.

Ser. No. 522,171. MANLEY GOLDSBERRY, Phelan, Calif. Filed May 9, 1947.

K A D D Y

FOR SHOE TREES.
Claims use since Apr. 12, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 18 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING
MATERIALS

Ser. No. 509,171. SOIL-OFF MANUFACTURING CO., Glendale, Calif. Filed Sept. 16, 1946.

PURSIZE

FOR PREPARATION FOR REMOVING SPOTS AND STAINS FROM WEARING APPAREL.
Claims use since July 1, 1946.

Ser. No. 527,608. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

CASCADE

Applicant claims ownership of registration No. 45,427. FOR SOLUBLE CLEANER, CLEANSER AND DETERGENT.
Claims use since Apr. 1, 1905.

Ser. No. 527,679. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

SODATE

Applicant claims ownership of registration No. 145,440. FOR SOLUBLE CLEANER, CLEANSER AND DETERGENT.
Claims use since Feb. 16, 1921.

Ser. No. 528,911. COLGATE-PALMOLIVE-PET COMPANY, Jersey City, N. J. Filed July 19, 1947. Under section 2f of the act of 1946.

RAPID-
SHAVE

Applicant claims ownership of registrations Nos. 142,360, 264,794, 175,899, 232,925, and 370,258. FOR SHAVING SOAP IN POWDER FORM, AND SHAVING CREAM.
Claims use since Feb. 10, 1909.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMA-
CEUTICAL PREPARATIONS

Ser. No. 526,950. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.

AURAGREEN

Applicant claims ownership of registration No. 361,932. FOR DYE PREPARATION WHICH IS APPLIED TO GRASS FOR BROWN PATCH CONTROL.
Claims use since Mar. 2, 1937.

Ser. No. 527,404. HINDU INCENSE MANUFACTURING CO., Chicago, Ill. Filed July 5, 1947.

RANI

FOR INCENSE.
Claims use since Apr. 15, 1927.

Ser. No. 527,695. E. S. MILLER LABORATORIES, INC., Los Angeles, Calif. Filed July 5, 1947.

HORMESTRIN

FOR ESTROGENIC HORMONE PREPARATION.
Claims use since May 1, 1934.

Ser. No. 527,849. CONSOLIDATED COSMETICS, Chicago, Ill. Filed July 5, 1947.

NEGLIGEE

FOR PERFUME, FACE POWDER, BRILLIANTINE, LIPSTICK, HAND CREAM AND COLD CREAM.
Claims use since June 20, 1947.

Ser. No. 528,292. LAMBERT PHARMACAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed July 10, 1947.

ACTIFOAM

Applicant claims ownership of registration No. 361,228. FOR SHAMPOO.
Claims use since June 30, 1947.

Ser. No. 528,515. SCHOONMAKER LABORATORIES, INC., Caldwell, N. J. Filed July 12, 1947.

Suavinol

Applicant claims ownership of registration No. 291,926. FOR PREPARATION FOR THE TREATMENT OF PILES.
Claims use since Aug. 20, 1931.

Ser. No. 528,886. PERKINS SOAP COMPANY, Springfield, Mass. Filed July 18, 1947.

PERDYEF'AST

FOR MORDANTS.
Claims use since Aug. 12, 1940.

Ser. No. 529,184. A. M. MEINCKE & SON, INC., Chicago, Ill. Filed July 22, 1947. Under section 2f of the act of 1946.

FLOCJEL

FOR CHEMICALLY TREATED STARCH FOR USE IN CERAMIC PORCELAIN INDUSTRIES.
Claims use since 1932.

Ser. No. 529,596. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

DORODOL

FOR TABLET FOR USE AS A SEDATIVE FOR HEAD-ACHE AND OTHER PAIN.
Claims use since May 1, 1938.

Ser. No. 529,598. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947.

DIATRAEGUS

FOR TABLET FOR THE TREATMENT OF HIGH BLOOD PRESSURE.
Claims use since Feb. 1, 1938.

Ser. No. 529,820. THE PAUL PLESSNER COMPANY, Detroit, Mich. Filed July 28, 1947.

DUO-CHOL

Applicant claims ownership of registration No. 365,887. FOR PREPARATION USED IN THE TREATMENT OF GALL BLADDER, BILE DUCT, AND LIVER DISTURBANCES.
Claims use since Nov. 15, 1929.

Ser. No. 529,821. THE PAUL PLESSNER COMPANY, Detroit, Mich. Filed July 28, 1947.

VIOCTIN

FOR MULTIPLE VITAMIN SUPPLEMENT.
Claims use since Sept. 8, 1942.

Ser. No. 530,311. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed Aug. 2, 1947.

SALIT

Applicant claims ownership of registration No. 69,258. FOR BORNYL SALICYLATE AND SIMILAR SALICYLIC ACID ESTERS OF ALCOHOLS AND PHENOLS.
Claims use since July 23, 1902.

Ser. No. 530,699. ABBOTT LABORATORIES, North Chicago, Ill. Filed Aug. 7, 1947.

Cofron

Applicant claims ownership of registration No. 291,947. FOR COPPER AND IRON PREPARATIONS WITH OR WITHOUT LIVER CONCENTRATE, INTENDED FOR USE IN THE TREATMENT OF MICROCYTIC, IRON DEFICIENCY ANEMIAS, CERTAIN ANEMIAS OF PREGNANCY, AND ANEMIAS FOLLOWING INFECTION OR HEMORRHAGE.

Claims use since October 1931 for copper and iron preparations with liver concentrate; and since January 1934 for copper and iron preparations without liver concentrate.

Ser. No. 530,875. R. T. VANDERBILT CO. INC., New York, N. Y. Filed Aug. 8, 1947.

Rodform

FOR RUBBER ACCELERATORS.
Claims use since July 21, 1947.

Ser. No. 532,223. RICHARD HUDNUT, New York, N. Y. Filed Aug. 23, 1947.

FLAWLESS

FOR CAKE MAKEUP.
Claims use since July 25, 1947.

Ser. No. 532,831. KATHRYN, INC., Chicago, Ill. Filed Aug. 29, 1947.

NU-YOUTH

FOR MEDICATED COSMETIC CREAM CONTAINING ESTROGEN.
Claims use since July 31, 1947.

CLASS 12 CONSTRUCTION MATERIALS

Ser. No. 527,350. WESTERN WATERPROOFING COMPANY, St. Louis, Mo. Filed July 5, 1947.

**RESTO.
CRETE**

FOR CEMENTITIOUS MATERIALS ADAPTED FOR USE IN CONNECTION WITH WATERPROOFING AND WEATHERPROOFING BUILDING STRUCTURES.
Claims use since Apr. 1, 1926.

CLASS 22 GAMES, TOYS, AND SPORTING GOODS

Ser. No. 528,656. THOMPSON'S SPORTING GOODS, New London, Conn. Filed July 15, 1947.

Niantic

FOR FISHING TACKLE—NAMELY, RODS, REELS, LINES, FLIES, SPINNERS, JIGS, EEL RIGS, AND PLUGS.
Claims use since June 16, 1947.

Ser. No. 529,973. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed July 30, 1947.

COED

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since May 26, 1947.

CLASS 34 HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 465,360. THE GARRETT CORPORATION (AIRESEARCH MANUFACTURING COMPANY DIVISION), Los Angeles, Calif. Filed Nov. 29, 1943.

AIRESEARCH

FOR HEATING EQUIPMENT—NAMELY, RADIATOR-TYPE HEAT EXCHANGER UNITS FOR HEATING THE AIR IN CABINS OF AIRCRAFT BY EXCHANGE OF HEAT FROM ENGINE EXHAUST GASES.
Claims use since Aug. 9, 1940.

Ser. No. 498,878. ANDERSON-STOLZ PHARMACEUTICALS, INC., Kansas City, Mo. Filed Mar. 25, 1946.

ODOR MASTER

The word "Odor" is disclaimed apart from the mark. FOR AIR DEODORIZING UNITS FOR USE IN ROOMS OR THE LIKE TO CIRCULATE AIR OVER A TREATING MEDIUM.

Claims use since Mar. 11, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,698. ART CRAYON CO., INC., Brooklyn, N. Y. Filed July 5, 1947.

TOMMY TUCKER

The mark shown on the drawing is the name of the fictitious character "Little Tommy Tucker" in the Mother Goose rhymes.

FOR CHALK AND WAX CRAYONS.
Claims use since Jan. 10, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 513,370. AMERICAN EDUCATION PRESS, INC., Columbus, Ohio. Filed Nov. 29, 1946.

OUR TIMES

FOR PERIODICAL PUBLICATION DEALING WITH CURRENT AFFAIRS FOR SCHOOL USE.
Claims use since Sept. 14, 1935.

Ser. No. 527,247. T. J. MOSS TIE COMPANY, St. Louis, Mo. Filed July 5, 1947.

**Mr. STAMP & CHARACTER
M^c**

Applicant claims ownership of registration No. 261,346. FOR PUBLICATIONS ISSUED FROM TIME TO TIME.
Claims use since 1919.

Ser. No. 527,328. STORES PUBLISHING CO. INC., New York, N. Y. Filed July 5, 1947.

Woman's Day

Applicant claims ownership of registration No. 359,967. FOR MAGAZINE ISSUED MONTHLY.
Claims use since Oct. 7, 1937.

Ser. No. 528,096. M. CHARLES GAINES, New York, N. Y. Filed July 7, 1947.

**MOON GIRL
and The Prince**

FOR CARTOON MAGAZINE PUBLISHED PERIODICALLY AND FOR CARTOON STRIP PUBLISHED IN A SERIES IN PERIODICALS.
Claims use since June 24, 1947.

Ser. No. 528,097. M. CHARLES GAINES, New York, N. Y. Filed July 7, 1947.

**PRINCE MENGU
Moon Girl**

FOR CARTOON MAGAZINE PUBLISHED PERIODICALLY AND FOR CARTOON STRIP PUBLISHED IN A SERIES IN PERIODICALS.
Claims use since June 24, 1947.

Ser. No. 528,828. TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa. Filed July 17, 1947.

CAPITAL CAPERS

FOR NEWSPAPER ARTICLES AND COLUMNS.
Claims use since Nov. 20, 1944.

CLASS 39 CLOTHING

Ser. No. 511,035. NUSSBAUM AND BRUCKNER, New York, N. Y. Filed Oct. 17, 1946.

Naturelle

FOR INFANT GIRLS', GIRLS' AND WOMEN'S GARMENTS—NAMELY, DRESSES, PINAFORES, SLACKS, SLACK SUITS, COVERALLS, SHORTS, HALTER SKIRTS, HALTER SHORTS, AND HALTER SETS.
Claims use since June 12, 1946.

Ser. No. 529,390. JOSELLI SUITS, INC., New York, N. Y. Filed July 24, 1947.

joselli

FOR WOMEN'S, MISSES', AND JUNIOR MISSES' SUITS AND COATS.
Claims use since May 1, 1941.

Ser. No. 531,316. THE DAVIDSON BROTHERS CORP., New York, N. Y. Filed Aug. 14, 1947. Under section 2f of the act of 1946.

Mary Barron

Applicant claims ownership of registrations Nos. 367,685 and 381,164.
FOR LADIES' SLIPS AND NIGHTGOWNS.
Claims use since Apr. 1, 1938.

Ser. No. 531,412. WRIGHT'S UNDERWEAR CORPORATION, New York, N. Y. Filed Aug. 14, 1947.

KING OF NORTH

Applicant claims ownership of registration No. 314,266.
FOR MEN'S, BOYS', LADIES' AND CHILDREN'S UNDERWEAR.
Claims use since Jan. 8, 1934.

Ser. No. 531,568. WRIGHT'S UNDERWEAR CORPORATION, New York, N. Y. Filed Aug. 15, 1947.

HOMESTEAD

Applicant claims ownership of registration No. 373,335.
FOR MEN'S, BOYS', WOMEN'S, AND CHILDREN'S UNDERWEAR, SWEATERS, SKI SUITS, PLAY SUITS, HOSIERY, SOCKS, OUTER AND UNDER SHIRTS, PJAMAS, NIGHT SHIRTS, LUMBER JACKETS, JACKETS FOR WORK, AND SPORTS COATS, VESTS, AND PANTS.
Claims use since June 14, 1939.

Ser. No. 531,813. THE LOVABLE BRASSIERE CO., Atlanta, Ga. Filed Aug. 19, 1947.

Lovable

Applicant claims ownership of registration No. 378,181.
FOR BRASSIERES.
Claims use since Feb. 1, 1932.

Ser. No. 532,998. BETMAR HATS, INC., New York, N. Y. Filed Sept. 2, 1947.

BEEHIVE

FOR WOMEN'S HATS.
Claims use since July 1, 1946.

Ser. No. 533,166. JACOBS, GROSSMAN & ROSENBERG, INC., Philadelphia, Pa. Filed Sept. 3, 1947.

Mitzi

Applicant claims ownership of registration No. 429,764.
FOR CHILDREN'S AND MISSES' DRESSES AND FROCKS.
Claims use since Oct. 2, 1946.

Ser. No. 533,542. COAT CRAFT COMPANY, Philadelphia, Pa. Filed Sept. 5, 1947.

VELMOUR

FOR CHILDREN'S OUTER GARMENTS—NAMESLY, COATS, JACKETS, AND LEGGING SETS.
Claims use since May 15, 1947.

Ser. No. 533,702. CLOSTER MILLS INC., Closter, N. J. Filed Sept. 8, 1947.

Usenet

FOR HAIR NETS.
Claims use since May 1, 1947.

Ser. No. 534,281. T. R. HERMAN CO., Jamaica, N. Y. Filed Sept. 12, 1947.

PINNIES

FOR MISSES', GIRLS', AND CHILDREN'S COMBINED SCARFS AND HEAD COVERINGS.
Claims use since Jan. 2, 1946.

Ser. No. 534,930. LEONARD M. SIVE & ASSOCIATES, INC., Cincinnati, Ohio. Filed Sept. 18, 1947.

V.F.M.

FOR FUR GARMENTS AND PIECES—NAMESLY, COATS, JACKETS, AND SCARVES.
Claims use since Aug. 22, 1947.

Ser. No. 534,966. ALEX CARAFIOL, INC., St. Louis, Mo. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

Frances Dexter

Applicant claims ownership of registration No. 357,885.
FOR DRESSES, FROCKS, AND BLOUSES, FOR THE USE OF WOMEN AND MISSES.
Claims use since Feb. 15, 1937.

Ser. No. 534,970. ANGELICA JACKET COMPANY, St. Louis, Mo. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

PLANTSWEAR

Applicant claims ownership of registration No. 402,221.
FOR WOMEN'S AND GIRLS' WEARING APPAREL—NAMESLY, BLOUSES, SLACKS, JACKETS, CULOTTES, OVERALLS, CAPS, DRESSES, PANTS, OUTER SKIRTS, COATS, OUTER SHIRTS, AND SUITS.
Claims use since Apr. 1, 1942.

Ser. No. 534,978. THE BAMBERGER-REINTHAL COMPANY, Cleveland, Ohio. Filed Sept. 19, 1947.

Snowflake

Applicant claims ownership of registration No. 247,276.
FOR CAPS, PARKAS, SCARFS, AND SWEATERS FOR MEN, WOMEN, AND CHILDREN.
Claims use since July 1926.

Ser. No. 534,998. CARAFIOL-SILVERMAN COMPANY, St. Louis, Mo. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

Paula Brooks

Applicant claims ownership of registration No. 353,312.
FOR WOMEN'S WEARING APPAREL—NAMESLY, STREET DRESSES.
Claims use since Nov. 1, 1936.

Ser. No. 535,088. PHILIP SHLANSKY & BRO., INC., New York, N. Y. Filed Sept. 19, 1947.

Philshan

FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since June 2, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 528,045. CLIFTON MANUFACTURING COMPANY, Clifton, S. C. Filed July 5, 1947.

NUTWOOD

FOR PIECE GOODS—VIZ., COTTON SHIRTING.
Claims use since 1917.

Ser. No. 528,337. CLIFTON MANUFACTURING COMPANY, Clifton, S. C. Filed July 11, 1947.



LIONDALE

Applicant claims ownership of registration No. 42,564.
FOR PIECE GOODS—VIZ., COTTON SHIRTINGS, DRILLS, AND SHEETINGS.
Claims use since Apr. 1, 1898.

Ser. No. 531,282. ALLIED EMBROIDERY CORPORATION, New York, N. Y. Filed Aug. 14, 1947.

PEARL'CALE

FOR PILLOWCASES.
Claims use since June 18, 1947.

Ser. No. 531,348 ROBERT McBRATNEY & COMPANY, INCORPORATED, New York, N. Y. Filed Aug. 14, 1947.

FLAXVALE

FOR LINEN PIECE GOODS.
Claims use since March 1935.

Ser. No. 531,490. HERBERT R. LEEDS & CO., INC., New York, N. Y. Filed Aug. 15, 1947.

GABARDESCENT

FOR WORSTED FABRICS IN THE PIECE.
Claims use since June 25, 1947.

Ser. No. 531,543. THERMOID COMPANY, Trenton, N. J. Filed Aug. 15, 1947.

Thermoid

FOR CARPETS AND RUGS.
Claims use since March 1934.

Ser. No. 531,700. NEW BRAUNFELS TEXTILE MILLS, New Braunfels, Tex. Filed Aug. 18, 1947.

ORELAY

FOR COTTON PIECE GOODS.
Claims use since July 7, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 527,046. HUGH E. DIERKER, doing business as The Dierker Company, Los Angeles, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

DIERKER

FOR HYDRO-THERAPEUTIC APPARATUS FOR ADMINISTERING TREATMENTS AND MEDICATION TO ACCESSIBLE CAVITIES.
Claims use since Jan. 24, 1931.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 527,377. BLANKE-BAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

RUF-KUT

Applicant claims ownership of registration No. 364,894. FOR PEANUT BUTTER.
Claims use since Sept. 14, 1937.

Ser. No. 527,485. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed July 5, 1947.

FOUR SEASONS
Salt

No claim is made to the exclusive use of the word "Salt" apart from the mark.
Applicant claims ownership of registration No. 403,168. FOR HOUSEHOLD SALT.
Claims use since 1934.

Ser. No. 528,504. THE OAKFORD COMPANY, Peoria, Ill. Filed July 12, 1947.

FAIRY BELL

FOR COFFEE.
Claims use since 1904.

Ser. No. 528,589. STALEY MILLING COMPANY, North Kansas City, Mo. Filed July 14, 1947.

Egnog

FOR POULTRY FEED.
Claims use since June 10, 1947.

Ser. No. 528,590. STALEY MILLING COMPANY, North Kansas City, Mo. Filed July 14, 1947.

Milkshake

FOR DAIRY FEED.
Claims use since June 25, 1947.

Ser. No. 528,604. ALBERS MILLING COMPANY, Seattle, Wash. Filed July 15, 1947.

SELFAD

FOR POULTRY FEED.
Claims use since Feb. 25, 1947.

Ser. No. 529,439. WALTER HENRY CROCKETT, doing business as Alexandria Creamery, Alexandria, La. Filed July 25, 1947.

ARTIC
Ice cream

The words "Ice Cream" are disclaimed apart from the mark.

FOR ICE CREAM.
Claims use since Apr. 2, 1939.

Ser. No. 529,605. THE DAN DEE PRETZEL AND POTATO CHIP COMPANY, Cleveland, Ohio. Filed July 26, 1947.

Dan Dee

Applicant claims ownership of registrations Nos. 261,450, 301,078, 379,931, 384,412, and 384,297. FOR POTATO CHIPS.
Claims use since September 1932.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

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- 436,399. FRESH VEGETABLES—NAMELY, HEAD LETTUCE. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif.
Filed December 23, 1943. Serial No. 466,022. PUBLISHED SEPTEMBER 12, 1944. Class 46.
- 436,400. ANTISEPTIC FOR SKIN AND SCALP INFECTIONS AND IRRITATIONS. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill.
Filed May 27, 1944. Serial No. 470,707. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,401. HOSIERY. PAUL KNITTING MILLS, Pulaski, Va.
Filed September 22, 1944. Serial No. 474,506. PUBLISHED MARCH 19, 1946. Class 39.
- 436,402. LIPSTICKS. IVOR RICH, New York, N. Y.
Filed April 20, 1945. Serial No. 482,396. PUBLISHED DECEMBER 24, 1946. Class 6.
- 436,403. FABRICS MADE FROM COMBINATION OF RAMIE AND RAYON FIBERS, SOLD BY THE BOLT OR PIECE. SEA ISLAND MILLS, INCORPORATED, New York, N. Y.
Filed April 28, 1945. Serial No. 482,766. PUBLISHED NOVEMBER 11, 1947. Class 42.
- 436,404. CARBON AND GUM SOLVENT FOR USE IN INTERNAL COMBUSTION ENGINES. KEM-OIL PRODUCTS COMPANY, Houston, Tex., assignor to Kem-Oil Products Company, Houston, Tex., a partnership.
Filed July 24, 1945. Serial No. 486,207. PUBLISHED MAY 21, 1946. Class 6.
- 436,405. METAL SERVICING TANKS FOR LIQUEFIED GASES, METAL STORAGE TANKS FOR LIQUEFIED GASES, AND METAL TRANSPORT TANKS FOR LIQUEFIED GASES. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed August 4, 1945. Serial No. 486,718. PUBLISHED NOVEMBER 18, 1947. Class 2.
- 436,406. MISSES' AND GIRLS' DRESSES, COATS, SUITS, BLOUSES, OUTER SKIRTS, JACKETS, SWEATERS, SCARVES, ETC. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed September 19, 1945. Serial No. 488,684. PUBLISHED OCTOBER 29, 1946. Class 39.
- 436,407. DRESS SHIRTS, WORK SHIRTS, PAJAMAS, WOVEN UNDERWEAR, MIDDY BLOUSES, BLOUSES, AND ROMPERS, ALL FOR MEN AND BOYS. S. ROSENBLUM, INC., Baltimore, Md.
Filed September 25, 1945. Serial No. 488,975. PUBLISHED AUGUST 27, 1946. Class 39.
- 436,408. GIRLS' (FROM INFANTS TO TEEN AGE INCLUSIVE) DRESSES, CLOTH COATS, PINA-FORES, SKIRTS, BLOUSES, APRONS, PLAYSUITS, HATS, PANTIES, AND SLIPS. PICTURE BOOK FASHIONS, Omaha, Nebr.
Filed October 11, 1945. Serial No. 489,825. PUBLISHED AUGUST 13, 1946. Class 39.
- 436,409. PERFUME, TOILET WATER, BRILLIANTINE, FACE POWDER, AFTER SHAVING LOTION, AND SACHET POWDER. PARFUMS DE RENEL, INC., New York, N. Y.
Filed November 7, 1945. Serial No. 491,213. PUBLISHED DECEMBER 24, 1946. Class 6.
- 436,410. FRIED PORK RINDS. ROLET FOOD PRODUCTS Co., INC., Brooklyn, N. Y.
Filed December 11, 1945. Serial No. 493,077. PUBLISHED OCTOBER 28, 1947. Class 46.
- 436,411. BOYS' NECKWEAR CONSISTING OF BOW TIES AND FOUR IN HAND NECKTIES, GARMENT BELTS, SUSPENDERS, MUFFLERS, GARTERS, HANDKERCHIEFS, NECKTIE AND HANDKERCHIEF SETS, GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND GLOVE AND MUFFLER SETS. FABIL MFG. CORP., New York, N. Y.
Filed December 13, 1945. Serial No. 493,184. PUBLISHED OCTOBER 21, 1947. Class 39.
- 436,412. SEPTIC TANKS AND PARTS THEREOF. NATIONAL STEEL CONSTRUCTION Co., Seattle, Wash.
Filed December 22, 1945. Serial No. 493,804. PUBLISHED NOVEMBER 18, 1947. Class 2.
- 436,413. BACON, SLICED BACON, CANADIAN STYLE BACON, ETC. KINGAN & CO., INCORPORATED, Indianapolis, Ind.
Filed January 14, 1946. Serial No. 494,751. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,414. BOXES FOR COLLAR BUTTONS, CUFF LINKS, STUDS, JEWELRY, AND OTHER NOTIONS. MIDWEST MANUFACTURING AND ENGINEERING CORP., Boston, Mass., and New York, N. Y., assignor to Developers Corporation, Boston, Mass., a corporation of Massachusetts.
Filed January 19, 1946. Serial No. 495,084. PUBLISHED NOVEMBER 18, 1947. Class 2.
- 436,415. MISSES' PAJAMAS. DAVID S. HEIN, doing business as Elmer David Company, New York, N. Y.
Filed February 15, 1946. Serial No. 496,623. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,416. PIECE GOODS OF CELLULOSE ACETATE TYPE YARNS, ALONE AND IN ADMIXTURE WITH COTTON, WOOL, SILK, OR RAYON. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 27, 1946. Serial No. 497,295. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,417. TYPEWRITER RIBBON AND CARBON PAPER. UNDERWOOD CORPORATION, New York, N. Y.
Filed March 1, 1946. Serial No. 497,512. PUBLISHED NOVEMBER 11, 1947. Class 11.
- 436,418. WOOLEN FABRICS IN THE PIECE. PACIFIC MILLS, Boston, Mass., and New York, N. Y.
Filed March 9, 1946. Serial No. 497,962. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,419. PNEUMATIC TIRES. THE SOCIETE ANONYME SOLEX, Neuilly-sur-Seine, France.
Filed March 15, 1946. Serial No. 498,319. PUBLISHED NOVEMBER 11, 1947. Class 35.
- 436,420. COPPER, LEATHER, FIBRE, ASBESTOS, CORK, RUBBER, AND FELT GASKETS USED FOR OBTAINING TIGHT JOINTS; SHEET PACKINGS, MOLDED PACKINGS, CORD PACKINGS, AND PLUNGER PACKINGS FOR MAKING A TIGHT FIT. ROSE SCHALLER, doing business as Machinery Supplies Company, New York, N. Y., assignor to Machinery and Machine Supplies Company, Inc., New York, N. Y.
Filed March 27, 1946. Serial No. 499,063. PUBLISHED NOVEMBER 11, 1947. Class 35.
- 436,421. TWO-WHEEL GARDEN TRACTORS. NATIONAL MACHINE PRODUCTS, doing business as Ellinwood Industries, Los Angeles, Calif.
Filed March 27, 1946. Serial No. 499,070. PUBLISHED NOVEMBER 4, 1947. Class 23.

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- 436,422. PHARMACEUTICAL PREPARATIONS—NAMELY, MEDICATED PREPARATIONS IN SOLID, LIQUID, AND POWDER FORM FOR THE TREATMENT OF INFLUENZA, COUGHS, COLDS AND INFECTIOUS DISEASES. GEORGE WRIGHT TAYLOR, Bradford, England.
Filed April 11, 1946. Serial No. 500,029. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,423. DISINFECTANTS AND ANTISEPTICS FOR USE IN THE RELIEF OF COLDS AND CATARRH, ALL FOR USE ON HANDKERCHIEFS, OR ON PAPER OR FABRIC TISSUES FOR USE AS HANDKERCHIEFS. GEORGE WRIGHT TAYLOR, Bradford, England.
Filed April 11, 1946. Serial No. 500,030. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,424. PHARMACEUTICAL PREPARATIONS—NAMELY, ANALGESIC PREPARATIONS AND MEDICATED TONIC PREPARATIONS, ALL IN LIQUID OR TABLET FORM. GEORGE WRIGHT TAYLOR, Bradford, England.
Filed April 11, 1946. Serial No. 500,032. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,425. PREPARATION FOR REMOVING WARTS, CORNS, AND CALLI. THE MOSS COMPANY, Rochester, N. Y.
Filed April 12, 1946. Serial No. 500,115. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,426. PERFUME, TOILET WATER, BRILLIANTINE, FACE POWDER, AFTER SHAVE LOTION, AND SACHET POWDER. PARFUMS DE RENEL, INC., Mount Vernon, N. Y.
Filed May 1, 1946. Serial No. 501,274. PUBLISHED DECEMBER 24, 1946. Class 6.
- 436,427. TALCUM POWDER. THE GOODMAN CHEMICAL Co., Brooklyn, N. Y.
Filed May 11, 1946. Serial No. 501,907. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,428. PERFUME AND TOILET WATERS. PARFUMS WEIL PARIS Co., New York, N. Y.
Filed May 18, 1946. Serial No. 502,403. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,429. CHILDREN'S DRESSES. THE MAYER-NOCK COMPANY, Philadelphia, Pa.
Filed June 7, 1946. Serial No. 503,458. PUBLISHED NOVEMBER 5, 1946. Class 39.
- 436,430. FOOD FLAVORING CONCENTRATES. PREFERRED FOOD PRODUCTS, INC., Newark, N. J.
Filed June 13, 1946. Serial No. 503,828. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,431. FACE POWDER, TALCUM POWDER, LIP AND FACE ROUGES, SKIN LOTIONS, SHAMPOOS, DANDRUFF REMOVER PREPARATIONS, CLAY FACE PACKS, CLEANSING CREAM, COLD CREAM, HAND CREAM, MAKE-UP FOUNDATION CREAM, NIGHT CREAM, TISSUE CREAM, BATH PERFUMES AND BATH SALTS, CREAM AND LIQUID COLOGNES, AND PERFUMES. KAY DAUMIT, Chicago, Ill., assignor, by mesne assignments, to Kay Daumit, Inc., Jersey City, N. J., a corporation of Delaware.
Filed June 15, 1946. Serial No. 503,975. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,432. CHEMICAL PREPARATION FOR THE TREATMENT OF STOMACH DISORDERS, RHEUMATISM, SCIATICA, LUMBAGO, NEURITIS, GOUT, SKIN ERUPTIONS, LIVER AILMENT, BILIOUS ATTACKS, KIDNEY TROUBLES, CONSTIPATION AND LASSITUDE. FREDERICK WILLIAM STEVENS, Christchurch, New Zealand.
Filed June 19, 1946. Serial No. 504,219. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,433. MERCHANDISE ENVELOPES AND PAPER BAGS. AUTO-WRAP CORPORATION, New York, N. Y.
Filed June 26, 1946. Serial No. 504,596. PUBLISHED NOVEMBER 18, 1947. Class 2.
- 436,434. STEEL IN ROD, WIRE, SHEET, STRIP, AND BAR FORM. C. J. BATES & SON, Chester, Conn.
Filed June 28, 1946. Serial No. 504,733. PUBLISHED NOVEMBER 4, 1947. Class 14.
- 436,435. INSULATED SHOPPING BAGS FOR FOOD-STUFFS AND BOTTLED GOODS. SPECIALTY FABRICATING Co., Kansas City, Mo.
Filed July 8, 1946. Serial No. 505,264. PUBLISHED NOVEMBER 18, 1947. Class 2.
- 436,436. DRESSES, APRONS, AND MAKE-UP CAPES FOR WOMEN, UNDERSHIRTS AND SHORTS FOR MEN, BIBS FOR CHILDREN, AND RAINCOATS FOR MEN, WOMEN, AND CHILDREN. THE JOFFE-SAVITT COMPANY, Philadelphia, Pa.
Filed July 18, 1946. Serial No. 505,841. PUBLISHED OCTOBER 14, 1947. Class 39.
- 436,437. GIRLS', CHILDREN'S, AND INFANTS' COATS, COMBINATION COAT AND LEGGING SETS, HATS. LITTLE COUNTESS GIRLS' COATS INC., New York, N. Y.
Filed July 26, 1946. Serial No. 506,327. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,438. BLOOMERS, PANTIES, AND MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR, CONSTRUCTED OF WOVEN OR KNITTED FABRIC. WINGET KICKERNICK COMPANY, Minneapolis, Minn.
Filed August 5, 1946. Serial No. 506,908. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,439. CANNED FRUITS AND PACKAGED DRIED FRUITS, ETC. LEWIS-HUBBARD CORPORATION, Charleston, W. Va.
Filed August 6, 1946. Serial No. 506,951. PUBLISHED NOVEMBER 11, 1947. Class 46.
- 436,440. HANDLE-EQUIPPED RECEPTACLE EXPRESSLY ADAPTED TO STORE OR CARRY BEVERAGE BOTTLES OR SIMILAR LIQUID CONTAINERS, MADE OF METAL, WOOD, CARDBOARD, OR COMBINATIONS THEREOF. SELLAVISION, INC., Mansfield, Ohio.
Filed August 7, 1946. Serial No. 507,027. PUBLISHED NOVEMBER 18, 1947. Class 2.
- 436,441. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES). J. A. MEYERS & Co. Inc., Los Angeles, Calif.
Filed August 9, 1946. Serial No. 507,186. PUBLISHED NOVEMBER 11, 1947. Class 28.
- 436,442. WOVEN TEXTILE FABRICS OF RAYON YARN, IN THE PIECE. FOREMAN FABRICS CORP., New York, N. Y.
Filed August 14, 1946. Serial No. 507,385. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,443. MEN'S, WOMEN'S AND CHILDREN'S UNDERWEAR AND SLEEPING GARMENTS—NAMELY, PAJAMAS, NIGHT SHIRTS, AND NIGHT GOWNS. GARMENTS, INCORPORATED, Charlotte, N. C.
Filed August 16, 1946. Serial No. 507,526. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,444. UNDERWEAR, SLIPS, PETTICOATS, NIGHT-GOWNS AND PAJAMAS; GLOVES MADE OF FABRIC OR OF COMBINATIONS OF FABRIC AND LEATHER; HOSIERY AND SOCKS; ALL FOR WOMEN AND CHILDREN. JULIUS KAYSER & Co., New York, N. Y.
Filed August 16, 1946. Serial No. 507,531. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,445. CORN SEED. CARGILL, INCORPORATED, Minneapolis, Minn.
Filed August 31, 1946. Serial No. 508,367. PUBLISHED JULY 1, 1947. Class 1.

- 436,446. SHOES. **MART & NEWMAN COMPANY, INC.**, New York, N. Y.
Filed September 4, 1946. Serial No. 508,486. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,447. SANDWICHES. **AUTOMATIC CANTEN COMPANY OF AMERICA**, Chicago, Ill.
Filed September 5, 1946. Serial No. 508,509. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,448. AUTOMOBILE TIRES AND TUBES. **ILLINOIS AGRICULTURAL ASSOCIATION**, Chicago, Ill.
Filed September 5, 1946. Serial No. 508,526. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 508,256. PUBLISHED NOVEMBER 11, 1947. Class 35.
- 436,449. LIGHTER FLUID. **McLAUGHLIN-SLUOG**, Milwaukee, Wis.
Filed September 5, 1946. Serial No. 508,538. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,450. SYNTHETIC ORGANOSILANES, ORGANOSILICON HALIDES, ORGANOSILICON ESTERS, ORGANOSILOXANES, DERIVATIVES THEREOF AND COMPOSITIONS CONTAINING THE SAME HAVING GENERAL USE IN THE INDUSTRIAL ARTS. **DOW CORNING CORPORATION**, Midland, Mich.
Filed September 6, 1946. Serial No. 508,584. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,451. WEDDING RINGS. **PARAMOUNT WEDDING RING COMPANY**, Chicago, Ill.
Filed September 11, 1946. Serial No. 508,856. PUBLISHED NOVEMBER 11, 1947. Class 28.
- 436,452. WOOD, PLASTIC OR BASE METAL COASTERS. **STANDARD PLASTICS, INC.**, Los Angeles, Calif.
Filed September 14, 1946. Serial No. 509,107. PUBLISHED NOVEMBER 11, 1947. Class 2.
- 436,453. GLUTEN FEED FOR HOGS, CATTLE AND POULTRY. **CORN PRODUCTS REFINING COMPANY**, New York, N. Y.
Filed September 16, 1946. Serial No. 509,140. PUBLISHED NOVEMBER 11, 1947. Class 46.
- 436,454. MEN'S CLOTHING—NAMELY, SUITS, TOP COATS, OVERCOATS, SPORTCOATS, LEISURE COATS, TUXEDO COATS AND PANTS, AND VESTS. **PADI CLOTHES COMPANY**, Philadelphia, Pa.
Filed September 17, 1946. Serial No. 509,238. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,455. PERFUMES AND TOILET WATERS. **J. CRESPIN & M. LAURENS-FRINGS & CIE**, Paris, France.
Filed September 20, 1946. Serial No. 509,399. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,456. FABRIC, LEATHER, AND KNITTED GLOVES. **GUTMAN-MAYER GLOVE COMPANY**, Brooklyn, N. Y.
Filed September 20, 1946. Serial No. 509,418. PUBLISHED OCTOBER 28, 1947. Class 39.
- 436,457. STARCHES, GUMS AND DEXTRINE PRODUCTS USED BY THE TEXTILE AND PAPER TRADE FOR FINISHING AND SIZING. **CHAS. S. TANNER COMPANY**, Providence, R. I.
Filed September 20, 1946. Serial No. 509,477. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,458. FRESH MILK, FRESH CREAM, FRESH CULTURED BUTTERMILK, AND FRESH CHOCOLATE FLAVORED MILK, ALL IN LIQUID FORM. **GOLDEN GUERNSEY FARMS, INC.**, Indianapolis, Ind.
Filed September 23, 1946. Serial No. 509,576. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,459. INFANTS', TODDLERS', CHILDREN'S, GIRLS', JUNIORS', TEEN-AGERS', WOMEN'S AND MISSES' APRONS, BATHING SUITS, BATHROBES, BEACH PAJAMAS, BEACH ROBES, ETC. **LOOMTOOS, INC.**, New York, N. Y.
Filed September 25, 1946. Serial No. 509,710. PUBLISHED OCTOBER 28, 1947. Class 39.
- 436,460. GLOVES. **ROGER FARR**, Paris, France.
Filed October 11, 1946. Serial No. 510,667. PUBLISHED OCTOBER 14, 1947. Class 39.

- 436,461. BRASSIÈRES. **KABO CORSET COMPANY**, Chicago, Ill.
Filed October 11, 1946. Serial No. 510,698. PUBLISHED SEPTEMBER 30, 1947. Class 39.
- 436,462. INFANTS', GIRLS', MISSES', AND WOMEN'S PLAY SHORTS, SWIM SHORTS, BEACH SHIRTS, BEACH JACKETS, BRAS, SKIRTS, PANTS AND SLACKS; ALSO MEN'S AND BOYS' SWIM TRUNKS, SWIM SHORTS, BEACH SHIRTS, AND BEACH JACKETS. **BEN FLIGEL CO.**, New York, N. Y., assignor to **BEN FLIGEL CO. INC.**, New York, N. Y., a corporation of New York.
Filed October 18, 1946. Serial No. 511,077. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,463. COLD CREAM, FINISHING AND BEAUTIFYING CREAM, TOILET CREAM CONTAINING VITAMIN D, LEMON CREAM, ALMOND CREAM, CREAM LOTION, BRILLIANTINE, BABY SKIN CREAM, DUSTING POWDER, CLEANSING CREAM, TALCUM POWDER, TOILET WATER, BABY POWDER, LIPSTICK, FACE ROUGE, FACE POWDER, BATH SALTS, HAIR SHAMPOO, EYEBROW PENCILS, MASCARA, PERFUME, AND HAIR POMADE. **THORVALD H. MACGREGOR**, doing business as **MacGregor & Co.**, New York, N. Y.
Filed October 19, 1946. Serial No. 511,172. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,464. MEDICINAL COMPOUND DESIGNED FOR USE AS A LINIMENT AND GARGLE. **BERNARD UZUMECKI**, doing business as **Kasar Company**, Chicago, Ill.
Filed October 24, 1946. Serial No. 511,428. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,465. LADIES' AND MISSES' DRESSES, SUITS, COATS, BLOUSES, SLACKS, AND SHORTS. **GERRY DUNCAN**, New York, N. Y.
Filed October 25, 1946. Serial No. 511,458. PUBLISHED NOVEMBER 4, 1947. Class 39.
- 436,466. BRASSIÈRES. **JOSEPH FIELDS**, doing business as **Modern-Aire of Hollywood**, Los Angeles, Calif.
Filed October 25, 1946. Serial No. 511,460. PUBLISHED OCTOBER 28, 1947. Class 39.
- 436,467. STAINLESS STEEL STRIPS AND SHEETS. **WASHINGTON STEEL CORPORATION**, Washington, Pa.
Filed October 25, 1946. Serial No. 511,523. PUBLISHED NOVEMBER 11, 1947. Class 14.
- 436,468. CANNED FISH, PICKLED FISH, AND DRY SALTED FISH. **FORTMANN, DOSCHER & CO. INC.**, New York, N. Y.
Filed October 30, 1946. Serial No. 511,740. PUBLISHED NOVEMBER 11, 1947. Class 46.
- 436,469. GENERAL HOUSEHOLD DEODORANT COMPOSED OF A CONCENTRATE OF PERFUME OILS. **THE FLORIDAIRE COMPANY**, Miami, Fla.
Filed November 4, 1946. Serial No. 511,992. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,470. PIECE GOODS OF COTTON, WOOL, RAYON, NYLON, AND SILK FOR LINING AND DECORATING JEWELRY CONTAINERS AND DISPLAY CASES. **MULTI-FACET DIAMOND CORPORATION**, New York, N. Y.
Filed November 5, 1946. Serial No. 512,082. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,471. UNDER-GARMENTS FOR WOMEN, MISSES, AND CHILDREN—NAMELY, PANTIES, BLOOMERS, COMBINATION GARMENTS CONSISTING OF VEST AND PANT, ETC. **KICKERNICK, INC.**, Minneapolis, Minn.
Filed November 8, 1946. Serial No. 512,264. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,472. INFANTS' AND CHILDREN'S CREEPERS, ROMPERS, OVERALLS, AND PLAYSUITS. **SWEENEY-BLOCK & CO., INC.**, New York, N. Y.
Filed November 13, 1946. Serial No. 512,541. PUBLISHED SEPTEMBER 30, 1947. Class 39.

- 436,473. WOMEN'S OUTER GARMENTS—NAMELY, COATS AND SUITS. **EDELSON AND SONS, INC.**, New York, N. Y., and **Philadelphia, Pa.**
Filed November 23, 1946. Serial No. 513,103. PUBLISHED OCTOBER 21, 1947. Class 39.
- 436,474. WOMEN'S, MISSES', AND GIRLS' APPAREL—NAMELY, SKIRTS, SWEATERS, SUITS, JACKETS, AND COATS. **AUSTEIN CLASSICS INC.**, New York, N. Y.
Filed November 26, 1946. Serial No. 513,231. PUBLISHED OCTOBER 21, 1947. Class 39.
- 436,475. WOMEN'S AND MISSES' BLOUSES, SKIRTS, JACKETS, AND DRESSES. **STAVE & SAUER**, Paterson, N. J.
Filed November 26, 1946. Serial No. 513,276. PUBLISHED NOVEMBER 4, 1947. Class 39.
- 436,476. FIREPROOF AWNING FABRICS IN THE PIECE. **COOLEY, INCORPORATED**, Pawtucket, R. I.
Filed November 27, 1946. Serial No. 513,296. PUBLISHED NOVEMBER 11, 1947. Class 42.
- 436,477. HOSIERY. **EAGLE ROCK KNITTING MILLS, INC.**, Singac, N. J.
Filed November 29, 1946. Serial No. 513,391. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,478. FRIED PIG SKIN TIDBITS. **ROBERT L. WADE**, doing business as **Porker Chip Co.**, Memphis, Tenn.
Filed December 4, 1946. Serial No. 513,700. PUBLISHED NOVEMBER 11, 1947. Class 46.
- 436,479. MEN'S, WOMEN'S, BOYS', GIRLS', CHILDREN'S, AND INFANTS' OVERCOATS, SUITS, DRESSES, UNDERWEAR, HOSIERY, BOOTS AND SHOES MADE OF LEATHER, RUBBER, FABRIC, OR ANY COMBINATION THEREOF, AND HATS. **TRANS-AMERICAS TRADING CO.**, New York, N. Y.
Filed December 5, 1946. Serial No. 513,782. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,480. HAIR DRESSING. **MARY ELIZABETH COOKE**, doing business as **Mme. M. E. Cook's**, Los Angeles, Calif.
Filed December 6, 1946. Serial No. 513,805. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,481. WATER-REPELLENT TEXTILE CLOTH MADE OF COTTON FIBERS AND SOLD IN THE PIECE. **CONE EXPORT & COMMISSION CO., INC.**, New York, N. Y.
Filed December 11, 1946. Serial No. 514,014. PUBLISHED NOVEMBER 11, 1947. Class 42.
- 436,482. TEXTILE FABRICS IN THE PIECE, MADE OF SILK, RAYON, NYLON, COTTON, WOOL, OR COMBINATIONS THEREOF. **DOUCET, INC.**, New York, N. Y.
Filed December 12, 1946. Serial No. 514,108. PUBLISHED NOVEMBER 11, 1947. Class 42.
- 436,483. WOMEN'S FOOTWEAR—NAMELY, CASUAL AND PLAY SHOES. **FRANK H. PFEIFFER CO., INC.**, Worcester, Mass.
Filed December 28, 1946. Serial No. 514,988. PUBLISHED OCTOBER 21, 1947. Class 39.
- 436,484. MEN'S AND BOYS' SWEATERS. **DAVID D. DONIGER & CO., INC.**, New York, N. Y.
Filed January 10, 1947. Serial No. 515,546. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,485. MEN'S, BOYS', AND JUVENILES' MACKINAW COATS AND JACKETS, RAILROAD COATS, HUNTING BREECHES, HUNTING COATS AND SPORTS SHIRTS. **GREEN BAY CLOTHING MANUFACTURERS, INC.**, Green Bay, Wis.
Filed January 10, 1947. Serial No. 515,551. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,486. WOMEN'S AND MISSES' ENSEMBLES CONSISTING OF BEACHCOATS, BLOUSES, SKIRTS, AND PLAYSUITS. **C-J SCARF & NOVELTY CO.**, New York, N. Y.
Filed January 18, 1947. Serial No. 515,939. PUBLISHED NOVEMBER 4, 1947. Class 39.
- 436,487. ALGIN COMPOUND FOR USE AS A HYDROPHILIC COLLOID POSSESSING STABILIZING, BODYING, SUSPENDING, EMULSIFYING AND WATER HOLDING PROPERTIES IN BAKERY GOODS SUCH AS JELLIES AND PIE FILLINGS, ETC. **KELCO COMPANY**, San Diego, Calif.
Filed January 20, 1947. Serial No. 516,023. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,488. ALGIN COMPOSITION FOR USE AS A HYDROPHILIC COLLOID POSSESSING STABILIZING, EMULSIFYING, BODYING, SUSPENDING AND WATER HOLDING PROPERTIES IN DAIRY PRODUCTS SUCH AS ICE CREAM, SHERBETS, CHOCOLATE MILK AND CHEESE, FRUIT SYRUPS AND TOPPINGS, PUDDINGS AND OTHER FOOD USES. **KELCO COMPANY**, San Diego, Calif.
Filed January 20, 1947. Serial No. 516,024. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,489. CHILDREN'S, GIRLS', TEENAGE GIRLS', LADIES', AND MISSES' DRESSES, BLOUSES, SKIRTS, JUMPERS, PINAFORES, JACKETS, AND SLACKS. **SALLY MASON**, New York, N. Y.
Filed January 21, 1947. Serial No. 516,085. PUBLISHED NOVEMBER 4, 1947. Class 39.
- 436,490. MEN'S SHORTS. **CLUETT, PEABODY & CO., INC.**, Troy, N. Y.
Filed January 22, 1947. Serial No. 516,113. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,491. MEN'S JACKET TYPE BLOUSE. **MAL MARSHALL**, doing business as **Dixie Sportswear Company**, Miami, Fla.
Filed January 28, 1947. Serial No. 516,491. PUBLISHED OCTOBER 14, 1947. Class 39.
- 436,492. PERFUME. **HELENA RUBINSTEIN, INC.**, New York, N. Y.
Filed January 29, 1947. Serial No. 516,577. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,493. PERFUME. **HELENA RUBINSTEIN, INC.**, New York, N. Y.
Filed January 29, 1947. Serial No. 516,578. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,494. LADIES' APPAREL—NAMELY, BLOUSES. **WINTER BROS.**, New York, N. Y.
Filed January 30, 1947. Serial No. 516,651. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,495. BRASSIÈRES. **PAUL E. DEAL**, doing business as **the Paula Shops**, Miami, Fla.
Filed January 31, 1947. Serial No. 516,676. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,496. FRESH VEGETABLES. **RUSKIN VEGETABLE DISTRIBUTORS**, Ruskin, Fla.
Filed February 8, 1947. Serial No. 517,202. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,497. AMINO ACID DIETARY SUPPLEMENT AND THERAPEUTIC MEDICINE FOR STOMACH ULCERS AND MALNUTRITION. **R. J. MORAN CO.**, Boston, Mass.
Filed February 13, 1947. Serial No. 517,422. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,498. MEN'S HATS. **GEORGE S. BAILEY HAT COMPANY, INC.**, also doing business as **Bailey of Hollywood**, Los Angeles, Calif.
Filed February 17, 1947. Serial No. 517,605. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,499. WOMEN'S HATS. **Joy I. McKim**, Seattle, Wash.
Filed February 17, 1947. Serial No. 517,649. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,500. FRESH EGGS. **C. M. COLLINS**, Dodge Center, Minn.
Filed February 18, 1947. Serial No. 517,705. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,501. HOUSEHOLD RUBBER GLOVES. **THE FAULTLESS RUBBER COMPANY**, also doing business as **Ashland Rubber Works**, Ashland, Ohio.
Filed February 18, 1947. Serial No. 517,712. PUBLISHED NOVEMBER 4, 1947. Class 39.

- 436,502. BEAUTY PRODUCTS—NAMELY, HAIR OILS, SHAMPOOS, FACE AND TALCUM POWDERS, CREAMS, LOTIONS, ASTRINGENTS, FINGER-NAIL POLISHES, FINGER-NAIL POLISH REMOVERS, LIP ROUGE, AND FACE ROUGE. FRED MEIER, Butte, Mont.
Filed February 18, 1947. Serial No. 517,733. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,503. LACE WINDOW CURTAINS AND LACE DINNER CLOTHS. JOHN BROMLEY & SONS, INC., Philadelphia, Pa.
Filed February 20, 1947. Serial No. 517,825. PUBLISHED NOVEMBER 11, 1947. Class 42.
- 436,504. CHINESE FLASH FIRECRACKERS. CHARLES H. DEMAREST, INC., New York, N. Y.
Filed February 24, 1947. Serial No. 517,978. PUBLISHED NOVEMBER 4, 1947. Class 9.
- 436,505. LADIES' AND MISSES' PANTIES AND PANTIE GIRDLES. KICKERNICK, INC., Minneapolis, Minn.
Filed February 24, 1947. Serial No. 518,009. PUBLISHED OCTOBER 14, 1947. Class 39.
- 436,506. LADIES' AND MISSES' COATS AND SUITS. IDA ROBACK, doing business as Superior Cloak and Suit Manufacturers, Oakland, Calif.
Filed February 24, 1947. Serial No. 518,040. PUBLISHED SEPTEMBER 30, 1947. Class 39.
- 436,507. MEN'S, BOYS', WOMEN'S, AND GIRLS' RAINWEAR—NAMELY, RAINCOATS, RAIN CAPES, AND HOODS. ROBERT HALL CLOTHES, INC., New York, N. Y.
Filed February 24, 1947. Serial No. 518,041. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,508. PERFUME AND COLOGNE. RUBICON, INC., doing business as The Antique Shoppe, New York, N. Y.
Filed February 25, 1947. Serial No. 518,103. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,509. MISSES' AND WOMEN'S CLOTH COATS AND SUITS. CHERUBINO PETTI & COMPANY, INC., Philadelphia, Pa.
Filed February 26, 1947. Serial No. 518,169. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,510. WOMEN'S AND GIRLS' NIGHTGOWNS, PAJAMAS, SLIPS, PANTIES, VESTS, CHEMISES, AND BRASSIERES. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y.
Filed February 27, 1947. Serial No. 518,209. PUBLISHED OCTOBER 14, 1947. Class 39.
- 436,511. KNITTED NECKTIES. PHOENIX HOSIERY COMPANY, Milwaukee, Wis.
Filed February 28, 1947. Serial No. 518,318. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,512. WINDOW CURTAINS OF WOOLEN FABRICS, RAYON FABRICS, AND PLASTIC TRANSLUCENT FILMS. SARO TEXTILE CO. INC., New York, N. Y.
Filed March 4, 1947. Serial No. 518,484. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,513. LADIES' AND MISSES' DRESSES, SUITS, AND COATS. LOUIS LEVINE & SONS, INC. OF OHIO, Cincinnati, Ohio.
Filed March 5, 1947. Serial No. 518,537. PUBLISHED OCTOBER 14, 1947. Class 39.
- 436,514. HARDENED VEGETABLE OIL USED FOR FOODS. THE SOUTHERN COTTON OIL COMPANY, New Orleans, La.
Filed March 5, 1947. Serial No. 518,566. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,515. COCONUT OIL USED FOR FOODS. THE SOUTHERN COTTON OIL COMPANY, New Orleans, La.
Filed March 5, 1947. Serial No. 518,567. PUBLISHED NOVEMBER 11, 1947. Class 46.

- 436,516. MATCHES. ARMSTRONG GROCERY COMPANY, Sharon, Pa.
Filed March 6, 1947. Serial No. 518,584. PUBLISHED NOVEMBER 4, 1947. Class 9.
- 436,517. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed March 6, 1947. Serial No. 518,605. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,518. SHOES. THEODORE F. STRUB, doing business as The Edox Shoe Company, Chicago, Ill.
Filed March 6, 1947. Serial No. 518,628. PUBLISHED OCTOBER 7, 1947. Class 39.
- 436,519. SHOES AND SLIPPERS MADE OF LEATHER AND FABRIC. THE WOHL SHOE COMPANY, St. Louis, Mo.
Filed March 6, 1947. Serial No. 518,635. PUBLISHED OCTOBER 28, 1947. Class 39.
- 436,520. PREPARATION USED AS A HYPNOTIC, SEDATIVE, AND ANESTHETIC. AMES COMPANY, INC., Elkhart, Ind.
Filed March 7, 1947. Serial No. 518,644. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,521. HYPNOTIC AGENT FOR RECTAL ADMINISTRATION. AMES COMPANY, INC., Elkhart, Ind.
Filed March 7, 1947. Serial No. 518,645. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,522. GOWNS, DRESSES AND TWO-PIECE SUITS, ALL FOR WOMEN. BLACKMAN & CONRAD LIMITED, London, England.
Filed March 8, 1947. Serial No. 518,715. PUBLISHED OCTOBER 14, 1947. Class 39.
- 436,523. RICE FOR FOOD. CONVERTED RICE, INC., Houston, Tex.
Filed March 12, 1947. Serial No. 518,876. PUBLISHED NOVEMBER 11, 1947. Class 46.
- 436,524. INSECTICIDE; INSECTICIDE CONCENTRATE; BARN INSECTICIDE; BARN INSECTICIDE CONCENTRATE; LIVESTOCK INSECTICIDE; LIVESTOCK INSECTICIDE CONCENTRATE; GARDEN INSECTICIDE; GARDEN INSECTICIDE CONCENTRATE; DOG INSECTICIDE; DOG INSECTICIDE CONCENTRATE; AND AGRICULTURAL INSECTICIDE; AND AGRICULTURAL INSECTICIDE CONCENTRATE. ORGANIC CHEMICALS CORPORATION, Frederick, Md.
Filed March 21, 1947. Serial No. 519,411. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,525. HANDKERCHIEFS. BRAM SCOTT & CO., New York, N. Y.
Filed March 21, 1947. Serial No. 519,420. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,526. LIPSTICK. GOURIELLI, INC., New York, N. Y.
Filed March 27, 1947. Serial No. 519,650. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,527. LIPSTICK. GOURIELLI, INC., New York, N. Y.
Filed March 27, 1947. Serial No. 519,651. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,528. NEUTRAL DYEING ACID DYE STUFF. BICK & CO., INC., Reading, Pa.
Filed March 28, 1947. Serial No. 519,722. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,529. CANDY. SPECIALTY SERVICE SUPPLY, INC., Tacoma, Wash.
Filed March 28, 1947. Serial No. 519,779. PUBLISHED NOVEMBER 11, 1947. Class 46.
- 436,530. LADIES' SHOES. SEYMOUR TROY, New York, N. Y.
Filed March 31, 1947. Serial No. 519,904. PUBLISHED OCTOBER 14, 1947. Class 39.
- 436,531. NECKTIES. WEMBLEY INC., New Orleans, La.
Filed April 1, 1947. Serial No. 519,999. PUBLISHED OCTOBER 7, 1947. Class 39.

- 436,532. LADIES' SLIPS. THE BARBIZON CORPORATION, New York, N. Y.
Filed April 3, 1947. Serial No. 520,083. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,533. LADIES' SLIPS. THE BARBIZON CORPORATION, New York, N. Y.
Filed April 3, 1947. Serial No. 520,084. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,534. LADIES' SHOES CONSTRUCTED OF LEATHER, RUBBER, SYNTHETICS, PLASTICS, OR FABRIC OR OF COMBINATIONS OF SAID MATERIALS. WILBAR'S, INC., Boston, Mass.
Filed April 3, 1947. Serial No. 520,135. PUBLISHED OCTOBER 28, 1947. Class 39.
- 436,535. MEN'S, BOYS', AND JUVENILES' MACKINAW COATS AND JACKETS, LEISURE GARMENTS, RAILROAD COATS, HUNTING COATS, AND SPORT SHIRTS. GREEN BAY CLOTHING MANUFACTURERS, INC., Green Bay, Wis.
Filed April 5, 1947. Serial No. 520,211. PUBLISHED OCTOBER 28, 1947. Class 39.
- 436,536. VETERINARY PREPARATIONS CONTAINING DDT AND CUBE ROOT FOR THE CONTROL OF CATTLE GRUBS, CATTLE LICE, AND HORN FLIES. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed April 10, 1947. Serial No. 520,432. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,537. COLD FINISHED BAR STEELS. BLISS & LAUGHLIN, INC. HARVEY, Ill.
Filed April 10, 1947. Serial No. 520,440. PUBLISHED NOVEMBER 11, 1947. Class 14.
- 436,538. CHILDREN'S SHOES. GEORGE H. ROSEN, doing business as George H. Rosen Shoe Mfg. Co., Boston, Mass.
Filed April 11, 1947. Serial No. 520,529. PUBLISHED OCTOBER 28, 1947. Class 39.
- 436,539. DENTIFRICE. BUENAVENTURA ROBERT VIDAL AND ENRIQUE RIERA ARTIGAS, Madrid, Spain.
Filed April 16, 1947. Serial No. 520,793. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,540. PRINTING INKS. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed April 19, 1947. Serial No. 521,035. PUBLISHED NOVEMBER 11, 1947. Class 11.
- 436,541. MICROCRYSTALLINE WAX AND CHEMICALLY MODIFIED MICROCRYSTALLINE WAX DERIVED FROM PETROLEUM, AND SOLD IN BULK FOR USE IN CANDLE WAXES, SEALING WAXES, LAMINATING, AND LIKE USES. WARWICK WAX CO., INC., New York, N. Y.
Filed April 21, 1947. Serial No. 521,098. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,542. LADIES' AND MISSES' SLIPS AND NIGHTGOWNS. PACEMAKERS, INC., New York, N. Y.
Filed April 24, 1947. Serial No. 521,286. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,543. CANDY. LOFT CANDY CORPORATION, Long Island City, N. Y.
Filed April 25, 1947. Serial No. 521,350. PUBLISHED NOVEMBER 4, 1947. Class 46.
- 436,544. WITCH HAZEL. HUMPHREYS MEDICINE COMPANY INCORPORATED, New York, N. Y.
Filed April 26, 1947. Serial No. 521,391. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,545. SUBSTANCES OR CHEMICALS FOR PRODUCING A WATER REPELLENT AND/OR WATER-PROOF FINISHES FOR TEXTILES. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed April 26, 1947. Serial No. 521,416. PUBLISHED NOVEMBER 11, 1947. Class 6.

- 436,546. AMORPHOUS GRAPHITE ORES, PULVERIZED MEXICAN, CEYLON AND ARTIFICIAL GRAPHITES, FLAKE GRAPHITES, MIXTURES OR BLENDS OF THE FOREGOING, AND MIXTURES OR BLENDS OF GRAPHITE WITH TALC AND OTHER FORMS OF CARBON. CUMMINGS-MOORE GRAPHITE COMPANY, Detroit, Mich.
Filed April 29, 1947. Serial No. 521,503. PUBLISHED NOVEMBER 11, 1947. Class 1.
- 436,547. BASE COAT FOR FINGER AND TOE NAILS. BERTRAM A. LANGLEY, doing business as Perma-Nail Co., Los Angeles, Calif.
Filed April 29, 1947. Serial No. 521,525. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,548. RAW CORK AND CUT CORK. MUNDET CORK CORPORATION, New York and Brooklyn, N. Y.
Filed April 30, 1947. Serial No. 521,591. PUBLISHED NOVEMBER 11, 1947. Class 1.
- 436,549. FIBRE RUGS AND FLOOR MATS OF FIBRE. DELTOX RUG COMPANY, Oshkosh, Wis.
Filed May 2, 1947. Serial No. 521,726. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,550. HOUSEHOLD RUBBER GLOVES. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio.
Filed May 2, 1947. Serial No. 521,732. PUBLISHED OCTOBER 14, 1947. Class 39.
- 436,551. PREPARATION FOR THE TREATMENT OF ASTHMA. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed May 3, 1947. Serial No. 521,806. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,552. MEN'S, WOMEN'S, BOYS', GIRLS', CHILDREN'S AND INFANTS' OVERCOATS, TOPCOATS, COATS, SUITS, VESTS, TROUSERS, SLACKS, CLOAKS, CAPES, COAT SETS AND LEGGING SETS, ALL MADE OF TEXTILE FABRICS. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed May 5, 1947. Serial No. 521,855. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,553. RAYON PIECE GOODS. DUPLEX FABRICS CORPORATION, New York, N. Y.
Filed May 5, 1947. Serial No. 521,864. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,554. BUBBLE BATH PREPARATION. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed May 6, 1947. Serial No. 521,990. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,555. MEN'S, LADIES' AND CHILDREN'S KNITTED WEARING APPAREL—NAMELY, TEE SHIRTS, PAJAMAS, SUITS, COATS, AND SWEATERS. MANCHESTER KNITTED FASHIONS, INC., Manchester, N. H.
Filed May 7, 1947. Serial No. 522,049. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,556. PREPARATION FOR THE TREATMENT OF THE SCALP AND HAIR. ALICE MAUGHAN, doing business as Alys Maughan, Pasadena, Calif.
Filed May 12, 1947. Serial No. 522,242. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,557. SYSTEMIC TONIC. CERTIFICATION COMMISSION DRUGS-CHEMICALS, INC., WASHINGTON, D. C., Washington, D. C., and New York, N. Y.
Filed May 14, 1947. Serial No. 522,361. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,558. AROMATIC OILS TO BE USED IN THE MANUFACTURE OF PERFUMES. ERNEST J. ARM, Belleville, N. J.
Filed May 15, 1947. Serial No. 522,451. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,559. OINTMENT FOR THE TREATMENT OF THE SCALP AND HAIR. LILY E. LANGSTON, doing business as Trophotone Laboratories, New York, N. Y.
Filed May 19, 1947. Serial No. 522,681. PUBLISHED NOVEMBER 11, 1947. Class 6.

- 436,560. NOSE DROP AND NASAL SPRAY USED IN THE RELIEF OF TEMPORARY NASAL CONGESTION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed May 21, 1947. Serial No. 522,757. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,561. PLANT STARTER AND FERTILIZER. FARMER SEED & NURSERY COMPANY, Fairbault, Minn.
Filed May 22, 1947. Serial No. 522,865. PUBLISHED NOVEMBER 4, 1947. Class 10.
- 436,562. PREPARATION FOR THE TREATMENT OF THE SCALP. JAMES L. MILLS, Kingston, N. C.
Filed May 27, 1947. Serial No. 523,161. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,563. PIECE GOODS OF COTTON, WOOL, RAYON, AND/OR SILK OR COMBINATIONS THEREOF. COHN-HALL-MARK CO., New York, N. Y.
Filed May 29, 1947. Serial No. 523,243. PUBLISHED NOVEMBER 11, 1947. Class 42.
- 436,564. PIECE GOODS MADE OF CELLULOSE ACETATE TYPE YARNS ALONE AND IN ADMIXTURE WITH COTTON, WOOL, SILK OR RAYON. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 2, 1947. Serial No. 523,367. PUBLISHED NOVEMBER 11, 1947. Class 42.
- 436,565. OINTMENT SALVES FOR RELIEF OF BURNS AND SUNBURNS. THE CLEVELAND PHARMACEUTICAL COMPANY, Cleveland, Ohio.
Filed June 3, 1947. Serial No. 523,459. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,566. VITAMIN COMPOUND AND TONIC FOR HUMAN CONSUMPTION. JOHN B. KNIGHT, Sr., doing business as Old 97 Company, Tampa, Fla.
Filed June 6, 1947. Serial No. 523,677. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,567. LADIES' AND MISSES' KNITTED AND FABRIC JACKETS. JOSEPH GUTTMAN & BROS., New York, N. Y.
Filed June 6, 1947. Serial No. 523,680. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,568. CHILDREN'S COATS. SCHER & FELDMAN, INC., New York, N. Y.
Filed June 10, 1947. Serial No. 523,925. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,569. SHADE-CLOTH. STEWART HARTSHORN COMPANY, New York, N. Y.
Filed June 12, 1947. Serial No. 524,089. PUBLISHED OCTOBER 14, 1947. Class 42.
- 436,570. INSECTICIDES. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo.
Filed June 12, 1947. Serial No. 524,091. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,571. WRIST WATCHES. VAN CLEEF & ARPELS INC., New York, N. Y.
Filed June 13, 1947. Serial No. 524,166. PUBLISHED NOVEMBER 11, 1947. Class 27.
- 436,572. LIQUID MEDICINAL PREPARATION—NAMELY, A DIETARY SUPPLEMENT CONTAINING AMINO ACIDS, PROTEINS, MALTOSE, VITAMIN B COMPLEX, AND IRON HYPOPHOSPHITE. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y.
Filed June 21, 1947. Serial No. 524,605. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,573. HORMONE PREPARATION TO BE TAKEN INTERNALLY BY POULTRY TO INCREASE WEIGHT. WICK & FRAY, INC., Cumberland, Ind.
Filed June 25, 1947. Serial No. 524,841. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,574. FIREARMS—NAMELY, AUTOMATIC PISTOLS AND REVOLVERS. COLT'S MANUFACTURING COMPANY, Hartford, Conn.
Filed June 27, 1947. Serial No. 524,953. PUBLISHED NOVEMBER 11, 1947. Class 9.

- 436,575. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF. D. B. FULLER & Co., INC., New York, N. Y.
Filed June 27, 1947. Serial No. 524,971. PUBLISHED NOVEMBER 11, 1947. Class 42.
- 436,576. ROLLED, DRAWN OR FORGED STEEL RODS, BARS, PLATES, BILLETS, SLABS, AND BLOCKS. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y.
Filed June 28, 1947. Serial No. 525,069. PUBLISHED NOVEMBER 4, 1947. Class 14.
- 436,577. DUSTING MATERIAL FOR USE IN DUSTING THE HANDS OR RUBBER GLOVES IN SURGICAL PREPARATION. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed June 28, 1947. Serial No. 525,161. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,578. HAIR NETS. FEINSTEIN KNITTING MILLS, INC., New York, N. Y.
Filed June 30, 1947. Serial No. 525,204. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,579. HAIR NETS. FEINSTEIN KNITTING MILLS, INC., New York, N. Y.
Filed June 30, 1947. Serial No. 525,205. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,580. WINDOW CURTAINS. BEACON LOOMS, INC., New York, N. Y.
Filed July 1, 1947. Serial No. 525,285. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,581. TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON AND A MIXTURE THEREOF. CONCORDIA-GALLIA CORPORATION, New York, N. Y.
Filed July 1, 1947. Serial No. 525,299. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,582. WINDOW CURTAINS, DRAPES, AND CURTAIN AND DRAPERY MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN AND MIXTURES THEREOF. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed July 1, 1947. Serial No. 525,333. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,583. SKIN LOTION, A PRESSING OIL FOR THE HAIR, AN OINTMENT, A BRILLIANTINE FOR THE HAIR, A GLORIFIER CONSISTING OF A HAIR OIL FOR IMPARTING A SHEEN OR LUSTER TO THE HAIR, AND A HAIR DRESSING. SUTTYE ELIZABETH SCOTT, doing business as Suttie Mfg. Co., Chicago, Ill.
Filed July 1, 1947. Serial No. 525,425. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,584. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS, COLOGNES, LOTIONS, AND BRILLIANTINE. OMNIUM ARTS ET INDUSTRIE, SOCIETE ANONYME, Paris, France.
Filed July 2, 1947. Serial No. 525,660. PUBLISHED NOVEMBER 11, 1947. Class 6.
- 436,585. CHEMICALLY TREATED PERMANENT WAVE PADS. BEN PICKARD, Chicago, Ill.
Filed July 2, 1947. Serial No. 525,675. PUBLISHED NOVEMBER 4, 1947. Class 6.
- 436,586. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF. D. B. FULLER & Co., INC., New York, N. Y.
Filed July 3, 1947. Serial No. 525,819. PUBLISHED NOVEMBER 4, 1947. Class 42.
- 436,587. HAIR NETS. FEINSTEIN KNITTING MILLS, INC., New York, N. Y.
Filed July 4, 1947. Serial No. 526,213. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,588. HAIR NETS. FEINSTEIN KNITTING MILLS, INC., New York, N. Y.
Filed July 4, 1947. Serial No. 526,214. PUBLISHED NOVEMBER 11, 1947. Class 39.

ACT OF 1920

These registrations are not subject to opposition.

436,589. (CLASS 39. CLOTHING.) LOUIS J. SCHLAIFER, New York, N. Y. Filed Oct. 27, 1945. Serial No. 490,604.

436,594. (CLASS 39. CLOTHING.) KLEIN HAT CORPORATION, Newark, N. J. Filed Jan. 31, 1947. Serial No. 516,700.

G-STRING UNDEE

FOR UNDERGARMENTS—NAMELY, PANTIES.
Claims use since September 1, 1945.

436,590. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CORAL H. VAN ALLAN, Rochester, N. Y. Filed Dec. 18, 1945. Serial No. 493,522.

STYLEFELT

FOR FELT HATS, FOR MEN, WOMEN AND CHILDREN.
Claims use since Mar. 3, 1930.

436,595. (CLASS 39. CLOTHING.) COLUMBIA GARMENT COMPANY, INC., Portland, Ore. Filed Apr. 4, 1947. Serial No. 520,146.

KOTNPAC

FOR FINGERNAIL SWABS.
Claims use since Dec. 1, 1945.

436,591. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed May 31, 1946. Serial No. 503,082.



FOR CLOTHING, SPECIFICALLY, COATS AND SUITS.
Claims use since Nov. 1, 1945.

436,596. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) EAGLE-OTTAWA LEATHER COMPANY, Grand Haven, Mich. Filed May 22, 1947. Serial No. 522,817.

436,592. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed May 31, 1946. Serial No. 503,089.

OLD ENGLISH TIPT

FOR STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE AND CUTLERY.
Claims use since May 24, 1937.

436,593. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed May 31, 1946. Serial No. 503,090.

OLD FRENCH

FOR STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE AND CUTLERY.
Claims use since Jan. 1, 1905.

607 O. G.—16

ESSEX

FOR LEATHER.
Claims use since 1940.

436,597. (CLASS 39. CLOTHING.) PEERLESS TAILORED DRESSES, New York, N. Y. Filed June 6, 1947. Serial No. 523,701.

Peerless
SINCE 1904
Casual

FOR WOMEN'S, MISSES', AND JUNIOR MISSES' DRESSES.
Claims use since Aug. 12, 1943.

436,598. (CLASS 39. CLOTHING.) **PEERLESS TAILORED DRESSES**, New York, N. Y. Filed June 6, 1947. Serial No. 523,702.

Peerless
SINCE 1904
Lady

FOR WOMEN'S, MISSES', AND JUNIOR MISSES' DRESSES.

Claims use since Nov. 1, 1945.

436,599. (CLASS 39. CLOTHING.) **CLINTON SWAN CLOTHES, INC.**, New York, N. Y. Filed July 1, 1947. Serial No. 525,297.

CUSTOMBUILT CLOTHES

Fashioned by **CLINTON SWAN**

FOR MEN'S COATS AND SUITS.
Claims use since Feb. 16, 1944.

TRADE-MARK REGISTRATIONS RENEWED

31,332. "KNOX" ETC. AND SHIELD DESIGN. Registered Mar. 1, 1898. Edward M. Knox, New York, N. Y., and London, England. Re-renewed Mar. 1, 1948, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. HATS AND CAPS. Class 39.

60,078. NEW HOME. Registered Jan. 29, 1907. The New Home Sewing Machine Company, Orange, Mass., assignor to The New Home Sewing Machine Company. Re-renewed Jan. 29, 1947, to The New Home Sewing Machine Company, Rockford, Ill., a corporation of Illinois. SEWING-MACHINES AND ATTACHMENTS. Class 23.

65,840. ELASTICOTE. Registered Oct. 22, 1907. The Tropical Oil Company. Re-renewed Oct. 22, 1947, to The Tropical Paint & Oil Company, Cleveland, Ohio, a corporation of Ohio. MIXED PAINTS. Class 16.

66,971. "WUNDERHOSE" AND HEAVY UNDERLINE. Registered Jan. 7, 1908. Richmond Hosiery Mills, Chattanooga, Tenn. Re-renewed Jan. 7, 1948, to Richmond Hosiery Mills, Rossville, Ga., a corporation of Georgia. HOSIERY. Class 39.

67,064. "T & C" IN MONOGRAM. Registered Jan. 14, 1908. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Re-renewed Jan. 14, 1948. WHEAT-FLOUR. Class 46.

67,578. "BUFFALO PEANUT BUTTER" AND REPRESENTATION OF BUFFALO. Registered Feb. 11, 1908. Frank M. Hoyt. Re-renewed Feb. 11, 1948, to F. M. Hoyt & Co., Inc., Amesbury, Mass., a corporation of Massachusetts. PEANUT BUTTER. Class 46.

68,007. GROTESQUE FEMALE FIGURE. Registered Mar. 3, 1908. The Cudahy Packing Co., Chicago, Ill., and South Omaha, Nebr. Re-renewed Mar. 3, 1948, to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. SCOURING SOAP. Class 4.

68,213. "DUTCH HAND SOAP" AND FANCIFUL DRAWING. Registered Mar. 17, 1908. The Cudahy Packing Co., Chicago, Ill., and South Omaha, Nebr. Re-renewed Mar. 17, 1948, to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. ABRASIVE SOAP. Class 4.

144,096. AMERICAN. Registered June 21, 1921. American Steel & Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Renewed Jan. 5, 1948 (Supplemental Register). WOVEN-WIRE FENCING. Class 13.

146,652. LIME COLA. Registered Sept. 13, 1921. Lime Cola Co. Renewed Jan. 5, 1948 (Supplemental Register), to Lime Cola Company, Inc., Montgomery, Ala., a corporation of Alabama. NON-ALCOHOLIC MALT-LESS EXTRACT AND A NON-ALCOHOLIC MALT-LESS FLAVORING-SYRUP USED IN THE MAKING OF SOFT DRINKS. Class 45.

149,592. MARCHANT. Registered Dec. 13, 1921. Marchant Calculating Machine Company, Oakland, Calif. Renewed Jan. 5, 1948 (Supplemental Register), to Marchant Calculating Machine Company, Emeryville, Calif., a corporation of California. CALCULATING-MACHINES. Class 26.

153,598. ELIZABETH ARDEN. Registered Mar. 21, 1922. Florence N. Lewis. Renewed Jan. 5, 1948 (Supplemental Register), to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. SKIN LOTIONS AND CREAMS, REDUCING LOTION, BLEACH CREAM, AND DEPILATORY. Class 6.

162,163. "POUDRE D'ILLUSION" AND RECTANGULAR BORDER LINED FOR PURPLE, YELLOW OR GOLD. Registered Dec. 5, 1922. Florence N. Lewis. Renewed Jan. 5, 1948 (Supplemental Register), to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. FACE POWDER. Class 6.

163,541. THE TEXAS COMPANY. Registered Jan. 16, 1923. The Texas Company, Houston, Tex., and New York, N. Y. Renewed Jan. 5, 1948 (Supplemental Register), to The Texas Company, New York, N. Y., a corporation of Delaware. PETROLEUM, PETROLEUM WAXES, WAX-OIL STOCK, LUBRICATING GREASES, ASPHALT OILS, AND OTHER NAMED OILS AND GREASES. Class 15.

172,170. VAN HEUSEN. Registered Aug. 21, 1923. Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). COLLARS. Class 39.

178,907. VAN HEUSEN. Registered Jan. 29, 1924. Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). DRESS SHIRTS, NEGLIGEE SHIRTS, AND WORK SHIRTS AND PARTS THEREOF—TO WIT, NECKBANDS, CUFFS, AND SHIRT FRONTS. Class 39.

204,435. "WISH-RING" AND DRAWING. Registered Oct. 20, 1925. Einar George Bagger, New York, N. Y. Renewed Oct. 20, 1945, to Granat Bros., Inc., San Francisco, Calif., a corporation of California. FINGER RINGS. Class 28.

226,500. "NORTHERN SUN RAISED" AND CIRCULAR SUN DESIGN. Registered Apr. 12, 1927. R. L. Douglass, doing business as R. L. Douglass Co. Renewed Apr. 12, 1947, to R. L. Douglass Co., East Grand Forks, Minn., a firm. RAW POTATOES. Class 46.

228,622. BU-NITE. Registered June 7, 1927. Charles D. Butler, doing business as Butler Mfg. Co., Indianapolis, Ind. Renewed June 7, 1947, to General Motors Corporation, Detroit, Mich., a corporation of Delaware. PISTONS FOR USE IN INTERNAL-COMBUSTION AND STEAM ENGINES, PUMPS, AND COMPRESSORS. Class 23.

230,279. "SAL FAYNE" AND DRAWING. Registered July 19, 1927. Sal-Phenine Laboratories Inc. Renewed July 19, 1947, to Sal-Fayne Corporation, Dayton, Ohio, a corporation of Ohio. MEDICINE FOR THE RELIEF OF PAIN. Class 6.

231,818. BIS-KUT. Registered Aug. 30, 1927. The Dirt-Kut Company, Springfield, Ohio. Renewed Aug. 30, 1947, to The S. O. S. Company, Chicago, Ill., a corporation of Delaware. PRODUCT COMPOSED OF STEEL WOOL AND SOAP FOR CLEANSING, SCOURING, AND POLISHING. Class 4.

232,076. "GORTON-PEW FISHERIES CO." AND REPRESENTATION OF WHEEL AND FISH. Registered Aug. 30, 1927. Gorton-Pew Fisheries Company Ltd., Gloucester, Mass., a corporation of Massachusetts. Renewed Aug. 30, 1947. CURED FISH—NAMELY, DRIED OR SALTED CODFISH. Class 46.

232,672. NEPTUNE. Registered Sept. 13, 1927. Gorton-Pew Fisheries Company Ltd., Gloucester, Mass., a corporation of Massachusetts. Renewed Sept. 13, 1947. CURED FISH—NAMELY, DRIED AND SALTED CODFISH. Class 46.

232,673. OPAL. Registered Sept. 13, 1927. Gorton-Pew Fisheries Company Ltd., Gloucester, Mass., a corporation of Massachusetts. Renewed Sept. 13, 1947. DRIED AND SALTED CODFISH. Class 46.

232,895. SMOKEES. Registered Sept. 20, 1927. Gorton-Pew Fisheries Company Ltd., Gloucester, Mass., a corporation of Massachusetts. Renewed Sept. 20, 1947. SMOKED AND DRIED FISH CONSISTING OF SMOKED HERRINGS WITH THE HEADS AND TAILS CUT OFF, AND WRAPPED IN CELLOPHANE. Class 46.

232,949. "STEELHART" AND HEAVY UNDERLINE. Registered Sept. 20, 1927. North Western Expanded Metal Company. Renewed Sept. 20, 1947, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois. EXPANDED-METAL LATHS. Class 12.

232,989. THE BANKERS MONTHLY. Registered Sept. 20, 1927. Rand McNally and Company, Chicago, Ill., a corporation of Illinois. Renewed Sept. 20, 1947. MONTHLY PUBLICATION. Class 38.

233,018. DIAZINE. Registered Sept. 20, 1927. National Aniline & Chemical Company, Incorporated. Renewed Sept. 20, 1947, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. DYE-STUFFS. Class 6.

233,059. SULFINDONE. Registered Sept. 20, 1927. National Aniline & Chemical Company, Incorporated. Renewed Sept. 20, 1947, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. DYE-STUFFS. Class 6.

233,565. ARDEEN. Registered Oct. 4, 1927. The Atlantic Mills, Olneyville, R. I. Renewed Oct. 4, 1947, to A. D. Juillard & Co., Inc., New York, N. Y., a corporation of Delaware. WOOLEN DRESS GOODS—NAMELY, WORSTEDS IN THE PIECE. Class 42.

233,611. NAJADEEN. Registered Oct. 4, 1927. Forstmann & Hoffmann Company. Renewed Oct. 4, 1947, to The Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,688. SECURITY. Registered Oct. 4, 1927. Riverside & Dan River Cotton Mills, Inc. Renewed Oct. 4, 1947, to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia. CHAMBRAY AND GINGHAM COTTON GOODS IN THE PIECE. Class 42.

233,838. DU RAY. Registered Oct. 11, 1927. Duplan Silk Corporation. Renewed Oct. 11, 1947, to The Duplan Corporation, New York, N. Y., a corporation of Delaware. PIECE GOODS OF SILK, RAYON, AND MIXTURE OF THESE MATERIALS. Class 42.

234,195. THE GROUND-HOG. Registered Oct. 18, 1927. The Marion Steam Shovel Company. Renewed Oct. 18, 1947, to The Marion Power Shovel Company, Marion, Ohio, a corporation of Ohio. MONTHLY MAGAZINE. Class 38.

235,032. SPEEDLOK. Registered Nov. 8, 1927. The Helnn Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Nov. 8, 1947. LOOSE-LEAF-BOOK BINDERS. Class 37.

235,033. SPEDEX. Registered Nov. 8, 1927. The Helnn Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Nov. 8, 1947. LOOSE-LEAF-BOOK BINDERS. Class 37.

235,062. MAJESTIC. Registered Nov. 8, 1927. Riverside & Dan River Cotton Mills, Inc. Renewed Nov. 8, 1947, to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia. COLORED CHAMBRAY IN THE PIECE. Class 42.

235,247. DOO-DADS. Registered Nov. 15, 1927. Fisch and Company, Inc. Renewed Nov. 15, 1947, to Fisch & Company, Los Angeles, Calif., a firm. FELT EMBLEMS IN THE NATURE OF APPLIQUE. Class 40.

235,296. "MORALIN" AND CIRCULAR UNDERLINE. Registered Nov. 15, 1927. The Morgan Company, Peoria, Ill. Renewed Nov. 15, 1947, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. PASTE PAINT. Class 16.

235,549. HAPGRADE. Registered Nov. 22, 1927. Happ Brothers Company. Renewed Nov. 22, 1947, to Happ Brothers Company, Inc., Macon, Ga., a corporation of Georgia. OVERALLS, PANTS, WORK AND NEGLIGEE SHIRTS, AND OTHER NAMED ITEMS OF CLOTHING. Class 39.

235,641. BUFFALO. Registered Nov. 22, 1927. National Aniline & Chemical Company, Incorporated. Renewed Nov. 22, 1947, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. DYE-STUFFS. Class 6.

235,882. "CAROLUS" AND DESIGN. Registered Nov. 29, 1927. Carolus Manufacturing Company, Sterling, Ill. Renewed Nov. 29, 1947, to Manco Mfg. Co., Bradley, Ill., a corporation of Illinois. WIRE CLIPPERS, BOLT CUTTERS, AND NUT SPLITTERS. Class 23.

235,939. "MARCA KELLY STANDARD" ETC. AND DRAWING. Registered Nov. 29, 1927. Kelly Axe & Tool Co., Inc., Charleston, W. Va., and New York, N. Y. Renewed Nov. 29, 1947, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio. ADZES, AXES, BUSH HOOKS, GRASS HOOKS, GRUB HOES, HAMMERS, HATCHETS, MACHETES, MATTOCKS, PICKS, AND SCYTHES. Class 23.

235,961. "SHUR STOP" ETC. AND FANCIFUL DRAWING. Registered Nov. 29, 1927. International Fire Equipment Corporation, West New Brighton, N. Y., a corporation of Delaware. Renewed Nov. 29, 1947. FIRE-EXTINGUISHING GRENADES AND SUPPORTS THEREFOR. Class 23.

236,249. SPUR. Registered Dec. 6, 1927. Looose-Wiles Biscuit Company. Renewed Dec. 6, 1947, to Sunshine Biscuits, Inc., Long Island City, N. Y., a corporation of New York. BISCUIT. Class 46.

236,250. FIGAREENS. Registered Dec. 6, 1927. Looose-Wiles Biscuit Company. Renewed Dec. 6, 1947, to Sunshine Biscuits, Inc., Kansas City, Mo., a corporation of Missouri. FIG BARS. Class 46.

- 236,605. "PRIMULA" AND FANCIFUL DRAWING. Registered Dec. 20, 1947. B. Westergaard & Co., Brooklyn, N. Y. Renewed Dec. 20, 1947, to O. Kavli A/S, Bergen, Norway, a corporation organized under the laws of the Kingdom of Norway. CHEESE. Class 46.
- 236,719. THE SUNDAY SCHOOL TIMES. Registered Dec. 20, 1927. The Sunday School Times Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 20, 1947. WEEKLY MAGAZINE. Class 38.
- 237,174. UNIVERSAL HOIST. Registered Jan. 3, 1928. McCollum Holst & Mfg. Co., Downers Grove, Ill., a corporation of Illinois. Renewed Jan. 3, 1948. ELECTRIC DRIVEN PORTABLE HOIST. Class 21.
- 237,507. IDEAL. Registered Jan. 10, 1928. Josey-Miller Co. Renewed Jan. 10, 1948, to Josey-Miller Company, Inc., Beaumont, Tex., a corporation of Texas. CHICKEN FEED. Class 46.
- 237,551. "THE PARKERSBURG RIG AND REEL COMPANY" ETC. AND DESIGN LINED FOR GREEN, GOLD AND RED. Registered Jan. 10, 1928. The Parkersburg Rig and Reel Company, Parkersburg, W. Va., a corporation of West Virginia. Renewed Jan. 10, 1948. BELT HOUSES, ENGINE HOUSES, BULL-WHEEL HOUSES, PUMP HOUSES, AND STAIRWAYS FOR TANK BATTERIES. Class 12.
- 237,918. SEA BOY. Registered Jan. 24, 1928. Franco-Italian Packing Co. Renewed Jan. 24, 1948, to Franco-Italian Packing Co., Inc., Terminal Island, Calif., a corporation of California. CANNED FISH. Class 46.
- 238,237. "KOHL-MO". Registered Jan. 31, 1928. Elmo, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 31, 1948. PREPARATIONS FOR TREATING AND COLORING EYELASHES AND EYEBROWS. Class 6.
- 238,453. STACCOOL. Registered Feb. 7, 1928. Bodle-Hoover Petroleum Corporation, Chicago, Ill., a corporation of Illinois. Renewed Feb. 7, 1948. LUBRICATING OILS AND GREASES. Class 15.
- 238,502. RELIANT. Registered Feb. 7, 1928. Reliant Oil Corporation, New York, N. Y., a corporation of New York. Renewed Feb. 7, 1948. PETROLEUM LUBRICATING OILS AND GREASES. Class 15.
- 238,591. "DIAMOND WEDGE". Registered Feb. 14, 1928. Gorton-Pew Fisheries Company Ltd., Gloucester, Mass., a corporation of Massachusetts. Renewed Feb. 14, 1948. CANNED FISH—NAMES, DRIED OR SALTED CODFISH. Class 46.
- 238,721. "INVITATION" AND DESIGN. Registered Feb. 14, 1928. Palmer Candy Co. Renewed Feb. 14, 1948, to E. C. Palmer, William B. Palmer, and Winogene E. Palmer, trustees of the W. B. Palmer estate, doing business as Palmer Candy Company, Sioux City, Iowa. CANDY. Class 46.

TRADE-MARK REGISTRATIONS CANCELED

- 201,990. ARISTOCRAT. Registered Aug. 11, 1925. Bradshaw and Moore, Limited, Manchester, England. COTTON PIECE GOODS. Class 42. Canceled Jan. 15, 1948.
- 282,770. THE GUIDE POST. Registered Apr. 28, 1931. The Mason Box Company, Attleboro Falls, Mass. PUBLICATIONS ISSUED FROM TIME TO TIME. Class 38. Canceled Jan. 13, 1948.
- 294,285. BUG SCAT. Registered May 24, 1932. James E. Webb, St. Petersburg, Fla., and Knoxville, Tenn. INSECTICIDE AND GERMICIDE. Class 6. Canceled Jan. 19, 1948.
- 323,810. SAVOIA. Registered Apr. 30, 1935. The Alaj Corporation, New York, N. Y. VERMOUTH. Class 47. Canceled Jan. 9, 1948.
- 238,840. GIANT. Registered Feb. 14, 1928. H. Goodman & Sons, Inc. Renewed Feb. 14, 1948, to H. Goodman & Sons, Inc., New York, N. Y., a corporation of New Jersey. COMBS, BARRETTES, NONELECTRIC HAIR WAXERS COMPOSED OF MATERIAL OTHER THAN PRECIOUS METAL. Class 40.
- 238,896. "GOODY". Registered Feb. 14, 1928. H. Goodman & Sons, Inc. Renewed Feb. 14, 1948, to H. Goodman & Sons, Inc., New York, N. Y., a corporation of New Jersey. COMBS, BARRETTES, NONELECTRIC HAIR WAXERS, BUCKLES, AND BRACELETS COMPOSED OF MATERIAL OTHER THAN PRECIOUS METAL. Class 40.
- 238,990. CREPE ASTRA. Registered Feb. 21, 1928. Stix, Baer & Fuller Company, St. Louis, Mo., a corporation of Missouri. Renewed Feb. 21, 1948. SILK CREPE IN THE PIECE AND IN THE BOLT. Class 42.
- 239,162. HSGI. Registered Feb. 21, 1928. Hunt-Spiller Manufacturing Corporation, Boston, Mass., a corporation of Massachusetts. Renewed Feb. 21, 1948. BRAKE DRUMS AND BRAKE DISKS FOR AUTOMOTIVE VEHICLES AND OTHER APPARATUS. Class 19.
- 239,220. FLEUR DE PRÉ. Registered Feb. 28, 1928. Edward J. Fay, doing business as De Raymond. Renewed Feb. 28, 1948, to Parfumerie De Raymond, New York, N. Y., a firm. PERFUMES, TOILET WATER, HAIR TONIC, SHAMPOO OIL, FACE POWDER, LIP ROUGE, FACE ROUGE, AND OTHER NAMED TOILETRY ITEMS. Class 6.
- 239,250. BUTTER-NAISE. Registered Feb. 28, 1928. Simon Gelfand, doing business as Gelfand & Co. (Not Inc.), Baltimore, Md. Renewed Feb. 28, 1948, to Kraft Foods Company, Chicago, Ill., a corporation of Delaware. MAYONNAISE. Class 46.
- 239,279. DIANIL. Registered Feb. 28, 1928. General Dyestuff Corporation, New York, N. Y., a corporation of New York. Renewed Feb. 28, 1948. DYE STUFFS. Class 6.
- 239,502. DURAK. Registered Mar. 6, 1928. The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut. Renewed Mar. 6, 1948. BRAKE-SHOE LINERS OR LININGS. Class 35.
- 239,516. BETTY BARNUM. Registered Mar. 6, 1928. The D. M. Read Co. Renewed Mar. 6, 1948, to The D. M. Read Company, Bridgeport, Conn., a corporation of Delaware. BOOTS, SHOES, SLIPPERS, AND GLOVES OF LEATHER, RUBBER, FABRIC OR COMBINATIONS THEREOF; AND NAMED ARTICLES OF CLOTHING. Class 39.
- 326,257. KWIXTART. Registered July 23, 1935. Andrew J. McPartland, New Haven, Conn. ELECTRIC STORAGE BATTERIES. Class 21. Canceled Jan. 15, 1948.
- 333,065. KUNGSHOLM-BREAD. Registered Mar. 10, 1936. Kommanditbolaget Spis- & Knackebrodsfabriken Kronan, Barthel Kock, Sundbyberg, Sweden. BREAD. Class 46. Canceled Jan. 15, 1948.
- 356,566. HOT-N-TOT. Registered May 3, 1938. The E. H. Wright Company, Ltd., Kansas City, Mo. BAR-BECUE SAUCE. Class 46. Canceled Jan. 9, 1948.
- 381,898. "PERF-AMIZER." Registered Oct. 15, 1940. Ben Hirschensohn, New York, N. Y. PERFUMES. Class 6. Canceled Jan. 9, 1948.

- 389,875. CONKER-TONE. Registered Aug. 26, 1941. Zenith Radio Corporation, Chicago, Ill. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. Class 21. Canceled Jan. 6, 1948.
- 395,876. URACEL. Registered June 2, 1942. Chicago Pharmacal Company, Chicago, Ill. PREPARATION FOR THE TREATMENT OF ANTIARTHRITIC AND ANTIRHEUMATIC CONDITIONS. Class 6. Canceled Jan. 15, 1948.
- 413,914. CANTERBURY. Registered May 15, 1945. Kingswear, Inc., New York, N. Y. PIECE GOODS OF COTTON, SILK, RAYON, AND NYLON, AND JERSEY CLOTH OF WOOL, COTTON, SILK, AND RAYON. Class 42. Canceled Jan. 19, 1948.
- 416,710. MINUTE MAN. Registered Sept. 25, 1945. Lionel Gordon Rothschild, Dallas, Tex. AFTER-SHAVING LOTION, HAIR DRESSING, DEODORANT, TALCUM POWDER, AND COLOGNE. Class 6. Canceled Jan. 15, 1948.
- 420,287. PUROID. Registered Apr. 2, 1946. Puritan Laboratories, Inc., Des Moines, Iowa. INSECTICIDES—NAMES, INSECTICIDAL HOG OILS. Class 6. Canceled Jan. 15, 1948.
- 422,636. GRACIOUS LADY. Registered Aug. 6, 1946. Riverside & Dan River Cotton Mills, Inc., Danville, Va. SHEETS, SHEETING AND PILLOWCASES. Class 42. Canceled Jan. 6, 1948.
- 422,902. SOLA. Registered Aug. 13, 1946. Sola Electric Company, Chicago, Ill. TRANSFORMERS, VOLTAGE REGULATORS AND COMPENSATORS, AND RECTIFIERS. Class 21. Canceled Jan. 9, 1948.
- 423,236. LITTLE MISS SASSIE-LASSIE. Registered Aug. 27, 1946. The Mayer-Nock Company, Philadelphia, Pa. CHILDREN'S DRESSES. Class 39. Canceled Jan. 14, 1948.
- 423,376. SASSIE LASSIE. Registered Aug. 27, 1946. The Mayer-Nock Company, Philadelphia, Pa. CHILDREN'S DRESSES. Class 39. Canceled Jan. 14, 1948.
- 429,502. TESSA LEE. Registered Apr. 29, 1947. Leona B. Harvell, Birmingham, Ala. CLEANSING CREAMS. Class 6. Canceled Jan. 15, 1948.
- 429,823. PY-CO-TIP. Registered May 20, 1947. Pycopa, Inc., Jersey City, N. J. GUM MASSAGING ATTACHMENTS FOR TOOTHBRUSHES. Class 44. Canceled Jan. 6, 1948.
- 430,689. SAHARA. Registered June 17, 1947. M. & W. Thomas Co., New York, N. Y. SILK AND RAYON PIECE GOODS USED FOR THE MANUFACTURE OF NECKTIES. Class 42. Canceled Jan. 20, 1948.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

- 72,271. "RED RUBY" AND DESIGN. Registered Jan. 12, 1909. H. Fendrich, Evansville, Ind. CIGARS. Class 17. Corrected as follows: In the certificate of renewal, line 8, for "January 12, 1928" read *January 12, 1929*.
- 116,692. SIGNODE. Registered May 15, 1917. Signode System, Inc., Chicago, Ill. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Class 23.

Amended as follows: In the drawing, for "SIGNODE" read SIGNODE.

- 314,614. BROOKSIDE. Registered July 3, 1934. Bushmill Wine & Products Company, Inc., Scranton, Pa. WHISKEY. Class 49. Corrected as follows: In the original certificate, line 4, and in the statement, line 3, for "State of Pennsylvania" read *State of Delaware*.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(e) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

- Reg. No. 194,582. Registered Feb. 3, 1925. FOUKE FUR COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.



The word "St. Louis" is disclaimed. FOR FUR SEALSkins. Claims use since May 8, 1924.

- Reg. No. 195,842. Registered Mar. 3, 1925. THE S. OBERMAYER COMPANY, Chicago, Ill., a corporation of Ohio. Republished by registrant.



FOR PLUMBAGO FOR USE AS A FOUNDRY FACING. Claims use since 1902.

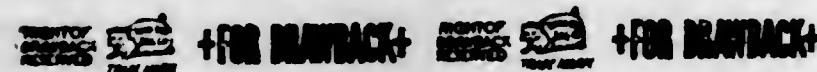
- Reg. No. 204,931. Registered Oct. 27, 1925. THE AMERICAN OAK LEATHER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Am O Tan

FOR LEATHER IN ITS NATURAL AND MANUFACTURED STATES. Claims use since Feb. 7, 1925.

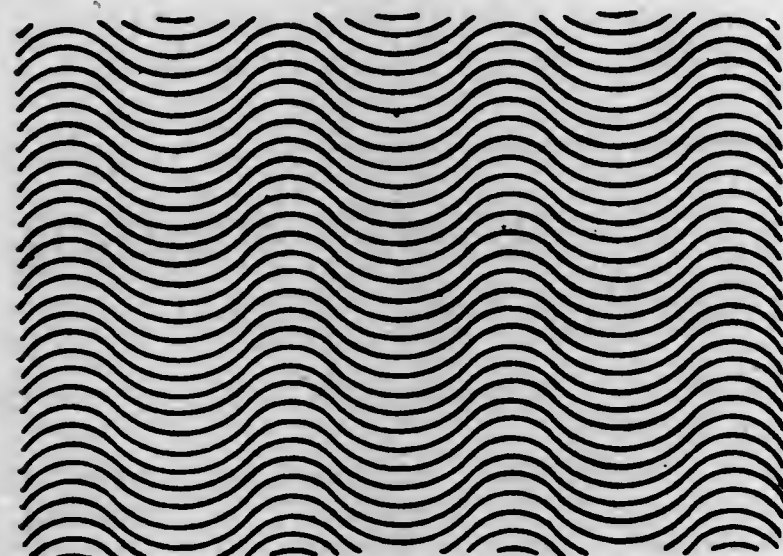
CLASS 2 RECEPTACLES

Reg. No. 169,435. Registered June 19, 1923. **BEMIS BRO. BAG COMPANY**, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



The words "For Drawback," "Right of Drawback Reserved," and "Trade-Mark" are disclaimed.
FOR BURLAP BAGS.
Claims use since 1901.

Reg. No. 200,835. Registered July 14, 1925. **THE MASON BOX COMPANY**, Attleboro Falls, Mass., a corporation of Massachusetts. Republished by registrant.



FOR PAPER AND CARDBOARD BOXES AND WRAPPERS.
Claims use since Mar. 15, 1924.

Reg. No. 202,285. Registered Aug. 18, 1925. **CROWN WILLAMETTE PAPER COMPANY**, San Francisco, Calif. Republished by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif., a corporation of Nevada.



FOR PAPER BAGS.
Claims use since Dec. 5, 1924.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 168,402. Registered May 22, 1923. **THE REMMERS SOAP COMPANY**, Cincinnati, Ohio. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

KYRO

FOR SOAP.
Claims use since December 1921.

Reg. No. 197,230. Registered Apr. 14, 1925. **JAMES S. KIRK & COMPANY**, Chicago, Ill. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

Minute Man

FOR SHAVING SOAP.
Claims use since Oct. 1, 1924.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 172,358. Registered Aug. 28, 1923. **U. S. SANITARY SPECIALTIES CORPORATION**, Chicago, Ill., a corporation of Illinois. Republished by registrant.

AERZONATOR

FOR DEODORANT AND DISINFECTANT.
Claims use since April 1918.

Reg. No. 172,520. Registered Sept. 4, 1923. **E. DALTROFF & CIE.**, doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a corporation of New York. Republished by Caron Corporation, New York, N. Y., a corporation of New York.

Nuit de Noel

FOR PERFUME.
Claims use since Oct. 15, 1922.

Reg. No. 172,538. Registered Sept. 4, 1923. **E. DALTROFF & CIE.**, doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a corporation of New York. Republished by Caron Corporation, New York, N. Y., a corporation of New York.

N'aimez que moi

FOR PERFUME AND TOILET WATER.
Claims use since Oct. 1, 1916.

Reg. No. 172,539. Registered Sept. 4, 1923. **E. DALTROFF & CIE.**, doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a corporation of New York. Republished by Caron Corporation, New York, N. Y., a corporation of New York.



FOR PERFUME.
Claims use since June 1, 1912.

Reg. No. 191,487. Registered Nov. 11, 1924. **THE PROCTER & GAMBLE COMPANY**, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

**RUBY
OLEINE**

The word "Oleine" is disclaimed.
FOR RED OIL.
Claims use since Jan. 1, 1890.

Reg. No. 194,879. Registered Feb. 10, 1925. **THE JOHN PUBL PRODUCTS COMPANY**, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR AMMONIA.
Claims use since about Aug. 1, 1921.

Reg. No. 194,880. Registered Feb. 10, 1925. **THE JOHN PUBL PRODUCTS COMPANY**, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Little
Bo-Peep

FOR AMMONIA.
Claims use since about Aug. 1, 1921.

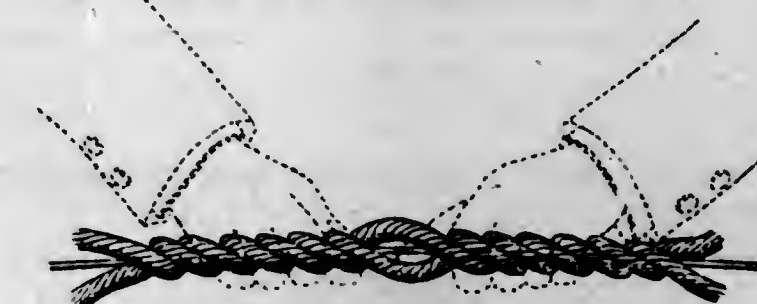
Reg. No. 208,042. Registered Jan. 19, 1926. **A. E. FUOSS**, Minneapolis, Minn. Republished by Sanex Inc., Minneapolis, Minn., a corporation of Minnesota.

SANEX

FOR VAGINAL DOUCHE.
Claims use since June 11, 1925.

CLASS 7 CORDAGE

Reg. No. 170,595. Registered July 17, 1923. **TUBBS CORDAGE COMPANY**, San Francisco, Calif., a corporation of California. Republished by registrant.



The representation of the rope and the hands are disclaimed.
FOR SISAL ROPE.
Claims use since latter part of the year 1906.

CLASS 9 EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 207,951. Registered Jan. 12, 1926. **SMITH AND WESSON, INC.**, Springfield, Mass., a corporation of Massachusetts. Republished by registrant.



The representation of the revolver is disclaimed.
FOR REVOLVERS.
Claims use since 1856.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 194,016. Registered Jan. 13, 1925. **ARMSTRONG CORK & INSULATION COMPANY**, Pittsburgh, Pa. Republished by Armstrong Cork Company, Manheim Township, Lancaster County, Pa., a corporation of Pennsylvania.

AMF

FOR HEAT-INSULATING MATERIALS CONTAINING CORK AS AN INGREDIENT THEREOF.
Claims use since July 28, 1923.

Reg. No. 213,153. Registered May 18, 1926. **THE PRESSTITE ENGINEERING COMPANY**, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

PRESSTITE

FOR PIPE JOINTING ELEMENT FOR CONNECTING SEWER PIPE.
Claims use since May 20, 1925.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 198,412. Registered May 19, 1925. **HOOKLESS FASTENER COMPANY**, Meadville, Pa. Republished by Talon, Inc., Meadville, Pa., a corporation of Pennsylvania.

HOOKLESS

FOR SEPARABLE FASTENERS, ESPECIALLY OF THE SLIDER-CONTROLLED TYPE.
Claims use since Jan. 31, 1915.

Reg. No. 202,169. Registered Aug. 18, 1925. **SPENCER THERMOSTAT COMPANY**, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant, present location Attleboro, Mass.

Thermo -snap

The word "Snap" is disclaimed.
FOR VALVES.
Claims use since Oct. 16, 1924.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 168,189. Registered May 15, 1923. **MAGNOLIA METAL COMPANY**, New York, N. Y., a corporation of West Virginia. Republished by registrant, present location Elizabeth, N. J.

KOSMIC

FOR BABBITT, BEARING, AND ANTIFRICTION METALS AND ALLOYS.
Claims use since November 1902.

Reg. No. 203,830. Registered Sept. 29, 1925. **BENJAMIN ELECTRIC MANUFACTURING COMPANY**, Chicago, Ill., a corporation of Illinois. Republished by registrant, present location Des Plaines, Ill.

Crysteel

FOR VITREOUS PORCELAIN ENAMELING ON METALS AND METAL CASTINGS AND FORGINGS.
Claims use since about Jan. 2, 1922.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 207,484. Registered Jan. 5, 1926. **WAITT & BOND, INC.**, Newark, N. J., a corporation of New Jersey. Republished by registrant.

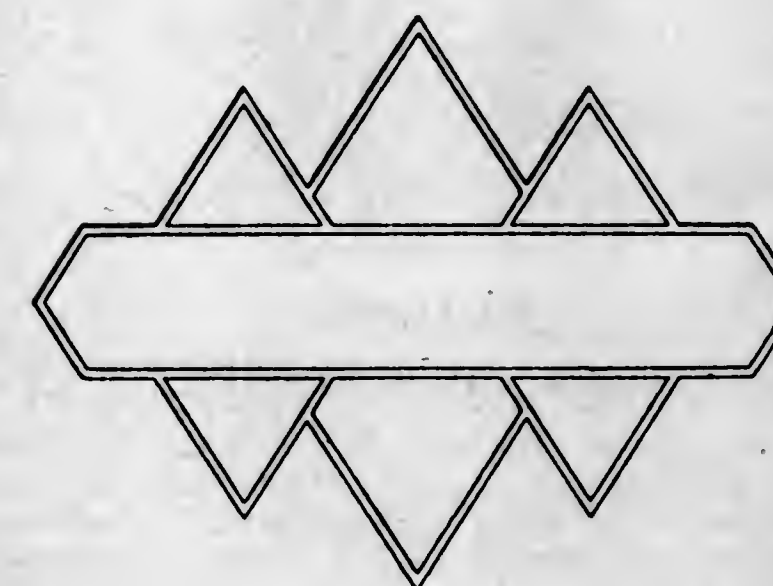
BLACKSTONE

FOR CIGARS.
Claims use since 1884.

CLASS 19

VEHICLES

Reg. No. 209,775. Registered Mar. 2, 1926. **INTERNATIONAL HARVESTER COMPANY**, Chicago, Ill., a corporation of New Jersey. Republished by registrant.



FOR MOTOR VEHICLES AND PARTICULARLY MOTOR COACHES, BUSES, AND MOTOR TRUCKS, AND ATTACHMENTS AND PARTS THEREOF.
Claims use since about Oct. 1, 1924.

Reg. No. 209,776. Registered Mar. 2, 1926. **INTERNATIONAL HARVESTER COMPANY**, Chicago, Ill., a corporation of New Jersey. Republished by registrant.



FOR MOTOR VEHICLES AND PARTICULARLY MOTOR COACHES, BUSES, AND MOTOR TRUCKS, AND ATTACHMENTS AND PARTS THEREOF.
Claims use since about Oct. 1, 1924.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 200,009. Registered June 28, 1925. **GENERAL STORAGE BATTERY CO.**, St. Louis, Mo. Republished by The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio.

General Iron Clad Guarantee Storage Battery

The words "Iron Clad Guarantee" and "Storage Battery" are disclaimed.
FOR AUTOMOBILE STORAGE BATTERIES.
Claims use since May 29, 1914.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 194,458. Registered Jan. 27, 1925. **HENRY HOTTEN & SONS COMPANY**, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



FOR GOLF BAGS.
Claims use since 1923.

CLASS 23

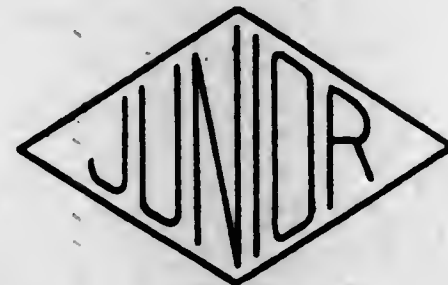
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 191,946. Registered Nov. 25, 1924. **GREENFIELD TAP AND DIE CORPORATION**, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

HYDROIL

FOR INTERNAL-GRINDING MACHINES.
Claims use since Feb. 28, 1922.

Reg. No. 197,620. Registered Apr. 21, 1925. ACE HARDWARE MFG. CORP'N., Philadelphia, Pa. Republished by Ace Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania.



FOR KNIFE SHARPENERS.
Claims use since Sept. 22, 1924.

Reg. No. 198,123. Registered May 5, 1925. SKELTON SHOVEL CO., INC., Dunkirk, N. Y. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.



FOR SHOVELS AND SPADES.
Claims use since Nov. 6, 1924.

Reg. No. 198,148. Registered May 5, 1925. ACE HARDWARE MFG. CORP'N., Philadelphia, Pa. Republished by Ace Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania.



FOR KITCHEN UTENSIL, ESPECIALLY DESIGNED FOR USE IN TURNING OR TRANSFERRING FOODS SUCH AS EGGS OR PAN CAKES. THE UTENSIL IS PREFERABLY, THOUGH NOT NECESSARILY, MADE OF BASE METAL.
Claims use since Sept. 22, 1924.

Reg. No. 209,787. Registered Mar. 2, 1926. THE VAUGHN MACHINERY COMPANY, Cuyahoga Falls, Ohio, a corporation of Ohio. Republished by registrant.

MOTOBLOC

FOR WIRE-DRAWING MACHINES AND PARTS THEREOF.
Claims use since Sept. 18, 1925.

CLASS 37

PAPER AND STATIONERY

Reg. No. 191,508. Registered Nov. 11, 1924. NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Republished by Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada.

AVALON

FOR TOILET TISSUE PAPER.
Claims use since May 18, 1923.

CLASS 39

CLOTHING

Reg. No. 191,725. Registered Nov. 18, 1924. SCHULTZ-ROSKY-BLOCK CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR KNITTED UNDERWEAR, SWEATER COATS, BATHING SUITS AND HOSIERY FOR MEN, WOMEN, AND CHILDREN, MEN'S AND BOYS' DRESS SHIRTS, WORK SHIRTS, AND FLANNEL OUTFIT SHIRTS, PJAMAS, AND NIGHT SHIRTS.
Claims use since January 1919.

Reg. No. 192,239. Registered Dec. 2, 1924. REGAL SHOE COMPANY, Portland, Maine, and Boston, Mass., a corporation of Massachusetts. Republished by registrant, present location Whitman, Mass.



The word "Shoe" is disclaimed.
FOR BOOTS AND SHOES OF LEATHER, OF FABRIC, OR OF A COMBINATION OF BOTH.
Claims use since February 1911.

Reg. No. 192,320. Registered Dec. 2, 1924. PHOENIX HOSIERY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

TIP TOE

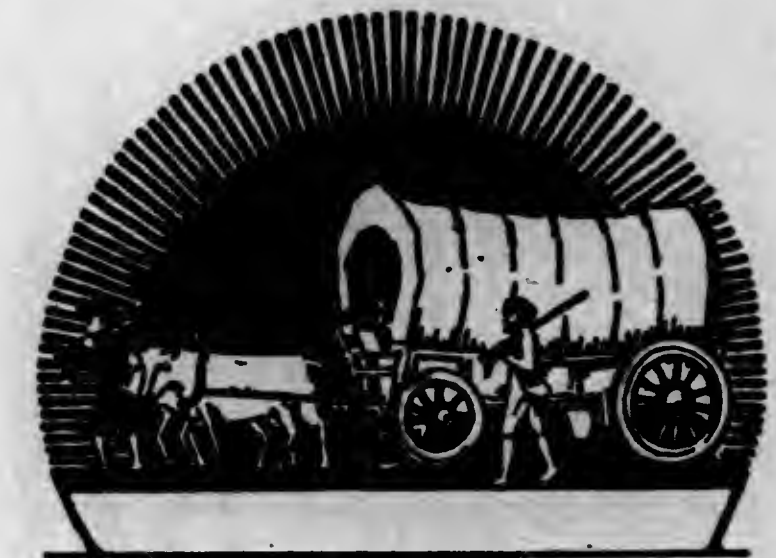
FOR HOSIERY.
Claims use since about November 1923.

Reg. No. 195,034. Registered Feb. 17, 1925. O. C. HANSEN MANUFACTURING COMPANY, Milwaukee, Wis. Republished by Hansen Glove Corporation, Milwaukee, Wis., a corporation of Wisconsin.



FOR MEN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS OF THE SAME.
Claims use since Jan. 15, 1924.

Reg. No. 204,317. Registered Oct. 13, 1925. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

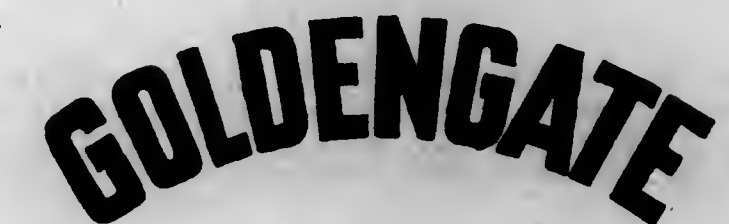


FOR SUSPENDERS, GARTERS, ARM BANDS, AND BELTS.
Claims use since about November 1922.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 169,991. Registered July 10, 1923. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



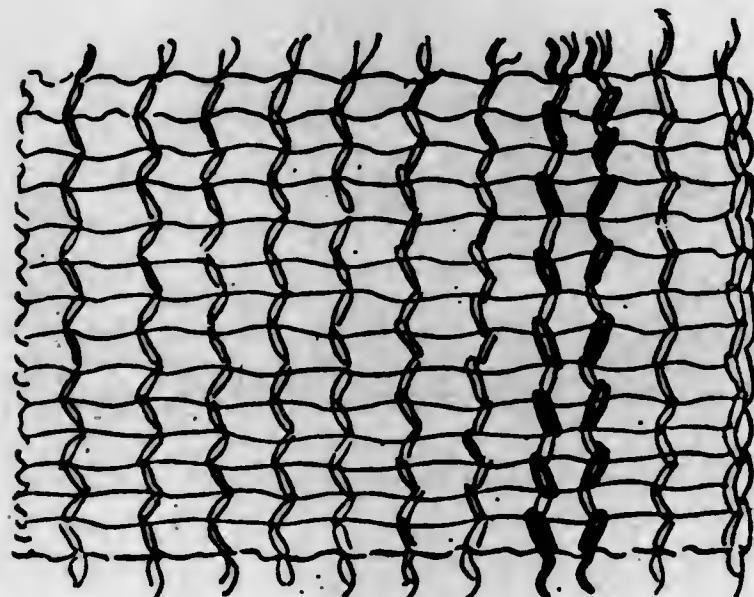
FOR SHEETS AND PILLOWCASES.
Claims use since December 14, 1916.

Reg. No. 202,923. Registered Sept. 8, 1925. RESPRO INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant, present location Cranston, R. I.



The words "Products, Tough, Strong, Durable" are disclaimed.
FOR ADHESIVELY-INTEGRATED FIBROUS MATERIAL (A MANUFACTURED MATERIAL).
Claims use since Sept. 15, 1920.

Reg. No. 210,127. Registered Mar. 9, 1926. **KNITTED PADDING COMPANY**, Canton, Mass., a corporation of Massachusetts. Republished by registrant.



FOR KNITTED COTTON PADDING, TABLE PADS, AND BED PADS.
Claims use since July 23, 1925.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 195,109. Registered Feb. 17, 1925. **KIMBERLY-CLARK COMPANY**, Neenah, Wis. Republished by Kimberly-Clark Corporation, Neenah, Wis., a corporation of Delaware.

SANEK

FOR SANITARY BARBER NECK STRIPS.
Claims use since Sept. 20, 1924.

Reg. No. 207,306. Registered Dec. 29, 1925. **KIMBERLY-CLARK COMPANY**, Neenah, Wis. Republished by International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.

Cellu-Dent

FOR ABSORBENT DENTAL ROLLS AND ABSORBENT DENTAL PADS.
Claims use since July 30, 1925.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 167,627. Registered May 1, 1923. **THE NORTH-WESTERN CONSOLIDATED MILLING COMPANY**, Minneapolis, Minn. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.

BIG GUN

FOR WHEAT FLOUR.
Claims use since Dec. 10, 1892.

Reg. No. 168,104. Registered May 15, 1923. **INDERRIEDEN CANNING CO.**, Chicago, Ill. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.



FOR CANNED VEGETABLES, PARTICULARLY PEAS AND CORN.
Claims use since Dec. 15, 1919.

Reg. No. 172,756. Registered Sept. 11, 1923. **HECKER-JONES-JEWELL MILLING COMPANY**, New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.

PEP

FOR WHEAT FLOUR.
Claims use since Jan. 12, 1923.

Reg. No. 192,897. Registered Dec. 16, 1924. **C. F. SIMONIN'S SONS, INC.**, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

YOLANDA

FOR CORN-OIL.
Claims use since July 16, 1924.

Reg. No. 194,297. Registered Jan. 20, 1925. **THE UNITED CAPE COD CRANBERRY COMPANY**, Boston and South Hanson, Mass. Republished by National Cranberry Association, Hanson, Mass., a corporation of Delaware.

PRIDE OF CAPE COD

FOR CANNED CRANBERRIES.
Claims use since Jan. 1, 1924.

Reg. No. 196,795. Registered Mar. 31, 1925. **THE UNITED CAPE COD CRANBERRY COMPANY**, Boston and South Hanson, Mass. Republished by National Cranberry Association, Hanson, Mass., a corporation of Delaware.



The pictorial representation of the goods is disclaimed.
FOR CANNED CRANBERRIES.
Claims use since October 1921.

Reg. No. 199,771. Registered June 16, 1925. **THE PROCTER & GAMBLE COMPANY**, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

ONESTA

FOR DEODORIZED VEGETABLE STEARIN FOR FOOD PURPOSES.
Claims use since Jan. 9, 1925.

Reg. No. 208,270. Registered Jan. 26, 1926. **THE SOUTHWESTERN MILLING COMPANY, INC.**, New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.



The words "Kansas City, U. S. A." and "The Best" are disclaimed.

FOR WHEAT FLOUR.
Claims use since July 1, 1906.

Reg. No. 210,978. Registered Mar. 30, 1926. **GILLET CANNING COMPANY**, Gillett, Wis. Republished by Country Gardens, Inc., Milwaukee, Wis., a corporation of Wisconsin.

Crystal Brook

FOR CANNED PEAS AND BEANS.
Claims use since May 10, 1909.

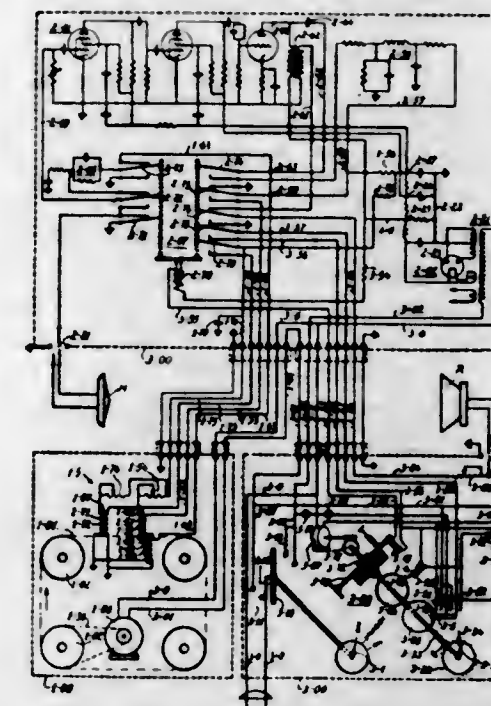
REISSUES

FEBRUARY 10, 1948

22,970 MAGNETIC SOUND RECORDING AND REPRODUCING

Semi Joseph Begun, Cleveland Heights, Ohio, assignor to Magnetone, Inc., Cleveland, Ohio, a corporation of Ohio
Original No. 2,356,145, dated August 22, 1944, Serial No. 340,030, June 12, 1940. Application for reissue September 18, 1946, Serial No. 697,621

33 Claims. (Cl. 179—100.2)



1. In a magnetic recording arrangement, a looped magnetic signal carrier of predetermined length for retaining and reproducing records, guide means for guiding said carrier in a longitudinal direction along a predetermined path including means for impelling said carrier at substantially uniform velocity along said path, magnetic transducing means located along said path for cooperation with an element of said carrier for recording and reproducing records while said carrier moves past said transducing means, and control means actuable to cause repeated reproduction of a recording on said carrier during a controllable continuous period, said control means including movable means actuable to move in predetermined synchronized relation to said guide means for selectively making a new recording on at least a portion of said carrier.

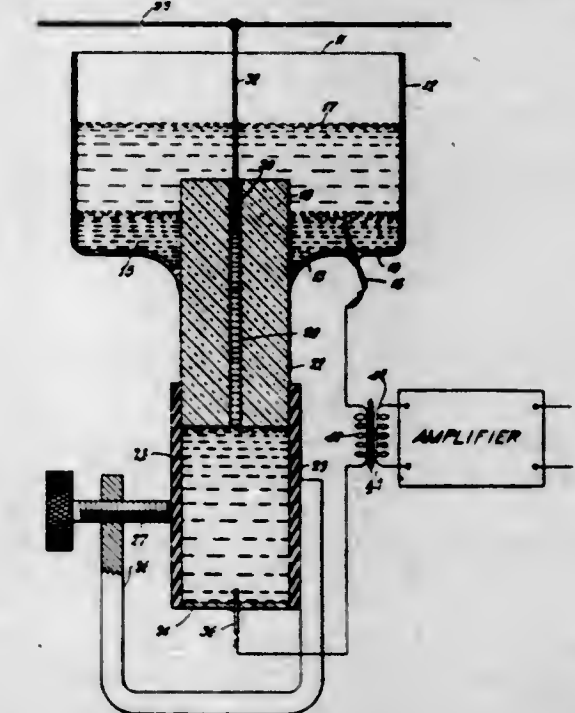
22,971 CAPILLARY TRANSDUCER

Charles F. Burgess, deceased, late of Bokcelia, Fla., by Oliver W. Storey, Wheaton, Ill., trustee
Original No. 2,416,978, dated March 4, 1947, Serial No. 573,913, January 22, 1945. Application for reissue August 8, 1947, Serial No. 767,600

9 Claims. (Cl. 171—330)

1. A transducer comprising a capillary electrometer, said electrometer including two liquids forming at least one interface therebetween, means for establishing electrical connections to said interface-forming liquids, a substantially incompressible connection from said interface, said incompressible connection going to a point outside of said electrometer system, means at the outside end of said incompressible connection for transmitting vibratory forces between a driven or driving means on the one hand and electrom-

eter interface on the other hand, said means and incompressible connection transmitting vibratory energy from said means to said interface or from

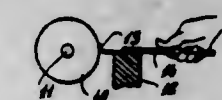


said interface to said means depending upon the direction of energy conversion and circuit connections to said electrical connections for coupling a potential generator or load.

22,972 DEVICE FOR AND METHOD OF USING ADHESIVE TAPE

George H. Fritzinger, West Orange, N. J., assignor of one-half to Harold G. Kendall, Brooklyn, N. Y.

Original No. 2,401,298, dated June 4, 1946, Serial No. 551,769, August 29, 1944. Application for reissue May 19, 1947, Serial No. 748,879
41 Claims. (Cl. 164—117)



1. The method of pulling a length of tape against a resisting force, which comprises holding the tape through adhesive contact of a rigid surface therewith, pulling the tape by moving said surface in a direction opposite to that of said force with the surface being at substantially 180 degrees or less from the length of tape extending from the surface, and releasing the tape from said surface by moving the surface further in said direction with the surface being at substantially more than 180 degrees from the extending length of tape.

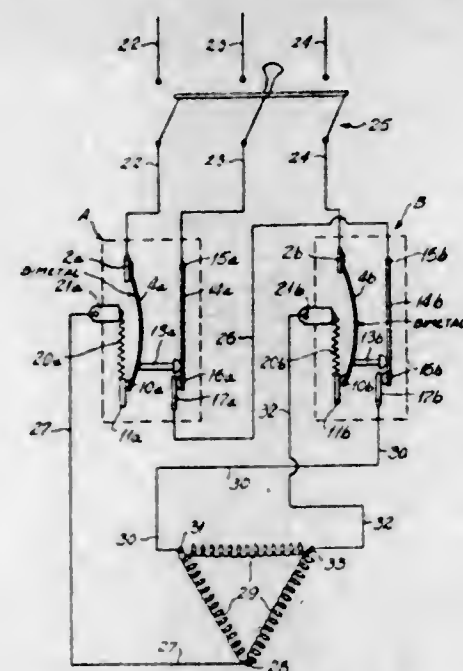
22,973 PROTECTIVE CIRCUIT

Edward F. Kurtz, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Original No. 2,312,915 dated March 2, 1943, Serial No. 295,039, September 15, 1939. Application for reissue July 7, 1947, Serial No. 759,414
9 Claims. (Cl. 175—294)

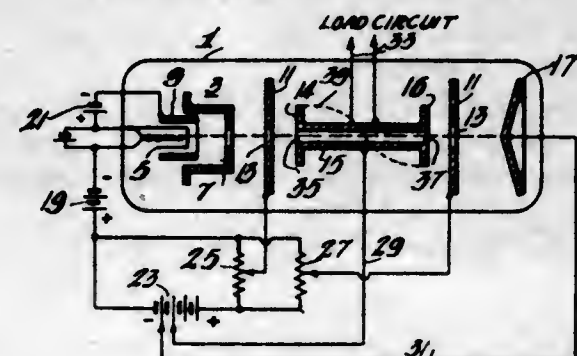
1. In combination with an electrical polyphase energy translating device having at least three

power terminals, a protective circuit therefor including two automatically resetting double pole switches each having thermally responsive means for actuating it in accordance with the temperature of the device and current flowing in the circuit, and at least three power supply lines for the device, one of said lines being connected to



one of said power terminals with one pole of one switch in series therewith, a second line being connected to a second power terminal with one pole of the other switch in series therewith, and the second pole of each of said switches being connected in one of the lines other than the line in which its respective first pole is connected.

22,974
ELECTRON BEAM DISCHARGE DEVICE SYSTEM WITH RESONANT ELECTRODE
Ernest G. Linder, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original No. 2,276,320, dated March 17, 1942, Serial No. 281,927, June 29, 1939. Application for reissue November 6, 1943, Serial No. 509,340
16 Claims. (Cl. 250—36)



1. An electronic device including a source of electrons, means for beaming said electrons, a hollow resonant electrode for shielding electrons within said hollow from external fields, said electrode having such length that it resonates at the operating frequency, means for directing said beam through said hollow electrode along its longitudinal axis, means for applying a biasing potential to said electrode, and means for adjusting independently the velocity of said electrons entering and leaving said hollow electrode so that the distribution of oscillatory potentials along the length of said electrode alter the energy of said electrons passing therethrough.

PLANT PATENTS

GRANTED FEBRUARY 10, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

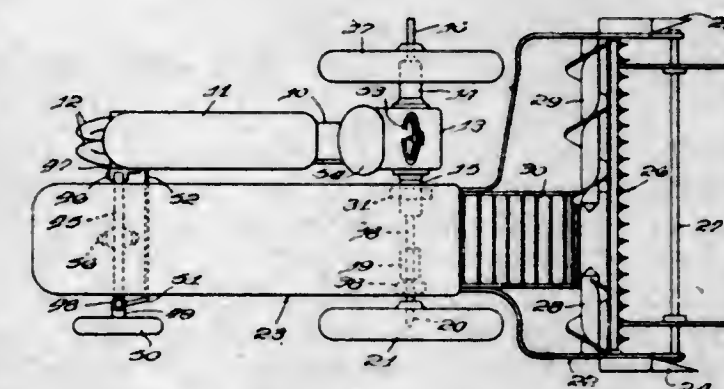
784
ROSE PLANT
Archibald F. Watkins, Tyler, Tex., assignor to Krider Nurseries, Inc., Middlebury, Ind., a corporation of Indiana
Application November 12, 1946, Serial No. 709,386
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty by its vigorous climbing habit of growth and its similarity in other respects to its bush parent "Stratford," substantially as described and shown.

PATENTS

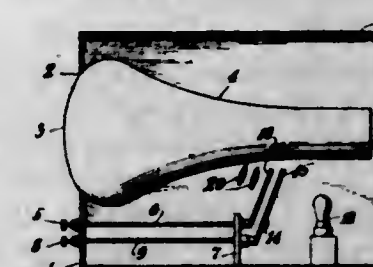
GRANTED FEBRUARY 10, 1948

2,435,563
TRACTOR-MOUNTED IMPLEMENT
Russel D. Acton, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 1, 1944, Serial No. 552,313
8 Claims. (Cl. 56—10)



1. In combination with a tractor having a narrow body, said body including axle housings of equal length extending from each side of the body at one end thereof, axles of equal length extending from said housings, a traction wheel mounted on one axle, the other axle being provided with an extension, a traction wheel mounted on said extension widely spaced from the body of the tractor, a body structure lying alongside the tractor body and between said tractor body and the widely spaced wheel, and means for supporting one end of the body structure on the tractor including one support journaled directly on the axle extension adjacent the wheel thereon and another support on the axle housing at the side of the tractor adjacent said extension and from which housing the axle extends which is provided with said extension.

2,435,564
RADIO DIAL SCALES PROJECTOR
Horace Atwood, Jr., Belleville, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application May 20, 1944, Serial No. 536,528
1 Claim. (Cl. 88—24)

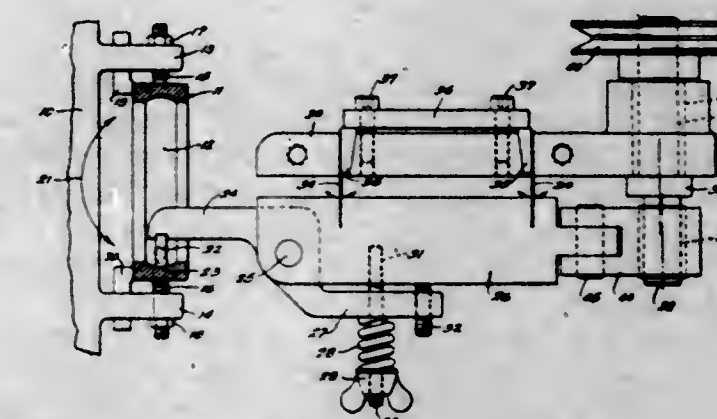


A device for facilitating the tuning of the radio in a combined radio and television receiver, which comprises a cabinet having a circular opening at the front thereof, a television receiving tube so located in said cabinet that its face projects into said opening, a source of light in lower rear portion of said cabinet, a lens system in said cabinet adapted to project light from said source onto the inside surface of the face of said tube, two shafts in said cabinet aligned with the axis of said tube,

607 O. G.—17

a V-shaped plate of opaque material having an arcuate end and being mounted near its opposite end on one of said shafts and having arcuate openings therethrough near said arcuate end, an arm mounted on the other shaft and having an enlarged end portion of light transmitting material thereon parallel to said V-shaped plate with a scale on said enlarged end portion, said source of light being on the other sides of said plate and scale from said television tube face.

2,435,565
SUPERFINISHING DEVICE FOR CURVED SURFACES
Fredrick Bantz, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 11, 1945, Serial No. 598,745
6 Claims. (Cl. 51—58)



1. A finishing device for work pieces having curved cylindrical surfaces comprising means for rotating and oscillating said work pieces, an abrading element, means for supporting said abrading element in contacting relationship with the rotating and oscillating work piece, and said means for supporting said abrading element including a means for causing said abrading element to be swung through an arcuate radius substantially equal to the radius of the curved cylindrical surface of the work piece, whereby at least three different motions are employed in the finishing of the work piece.

2,435,566
PEROXIDE BLEACHING OF GROUND WOOD
Daniel O. Adams and George B. Hughey, Covington, Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
No Drawing. Application October 16, 1944, Serial No. 558,951
3 Claims. (Cl. 8—104)

1. The method of peroxide bleaching of ground wood of the type rich in tannin and color bodies to yield a ground wood of a brightness at least equal to that which obtains by the peroxide bleaching of ground spruce wood, which comprises first extracting therefrom the tannin and color bodies soluble in dilute aqueous caustic alkali solution at temperatures under the boiling point thereof, then subjecting the extracted ground wood to the bleaching action of an alkaline solution containing an alkali metal peroxide.

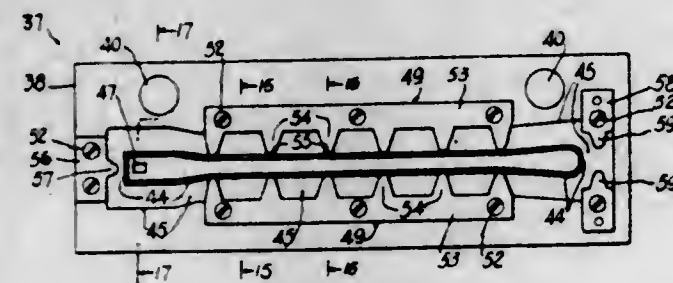
251

2,435,567

METHOD AND APPARATUS FOR MOLDING WIRE CORE TEMPLES

Michael Albanese, Rutherford, N. J., assignor to Columbia Protokosite Company, Inc., Carlstadt, N. J., a corporation of New Jersey
Application October 18, 1944, Serial No. 559,219
9 Claims. (Cl. 18-36)

1. The method of molding flexible, elongated articles in which a narrow plastic sheath uni-



formly centrally encases a wire core, with the width of the sheath varying along the length thereof, including providing a unit including a plastic tubular blank of uniform width containing the wire core, and softening and flash molding the plastic to produce said article by separating substantial portions of excess plastic from the blank, and resisting the flow of excess plastic by resistances at spaced, opposed points on opposite sides of the blank and beyond the edges of the article but closely adjacent thereto while permitting free flow of plastic between said points with the resistance being sufficient to afford a balanced plastic pressure condition therebetween to avoid deviation from center of adjacent portions of the wire core by the plastic that is being molded to produce said article.

5. Apparatus for producing a wire core temple or the like by molding a plastic tube of uniform diameter containing a flexible central wire core, including a flash mold having a parting line defining mold members provided with a mold cavity varying in size along the length thereof and to provide a relatively small cavity portion and having a narrow surrounding land and a relatively open space therebeyond for receiving the excess of plastic expressed from the relatively small portion of the cavity, and means for preventing such expression of excess plastic from causing deviation of the wire core from central position, including a plurality of pairs of opposed fingers spaced along the small portion of the cavity externally of the land but closely adjacent thereto and leaving free spaces between said pairs of fingers for flow of the excess plastic, the fingers lying directly in the path of the excess plastic as it leaves the cavity to thus produce a balanced pressure condition in the narrow portion of the cavity so that deviations of the wire core by stresses in the plastic caused by molding the same are prevented.

2,435,568

METHOD OF AND MEANS FOR PROTECTING RIVER BANKS

Hershell N. Anderson, Washington, D. C.
Application December 19, 1945, Serial No. 636,043
9 Claims. (Cl. 61-37)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

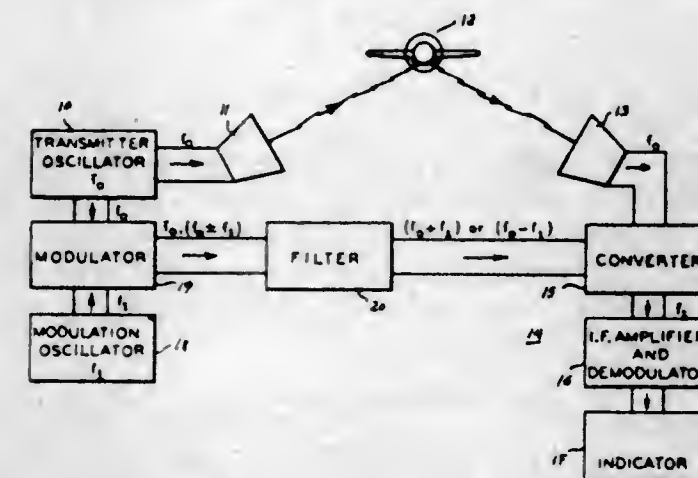
1. The herein described method of revetment construction and placement which includes the step of positioning a floating structure on a body of water adjacent to the banks beside said body, erecting on said floating structure a cellular mat, filling the cells of the mat with sufficient ballast

to overcome the natural buoyancy of the mat, floating the structure and the supported ballast mat to a predetermined range, anchoring the mat against movement out of position when at the range, positioning a prefabricated section with one end upon the bank and the other end upon the mat, said section being heavier than



water, and subsequently withdrawing the floating structures from beneath the mat to release the mat and the prefabricated section for gravitation to the bottom of the body of water thereunder, and finally applying a coating of weather resisting material to the surface of the bank above the prefabricated section.

2,435,569

SYNCHRONIZED RADIO TRANSMISSION
Wilmer L. Barrow, Newton, Mass., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 5, 1941, Serial No. 405,466
16 Claims. (Cl. 250-1.64)

1. A system for measuring distance to a reflecting surface comprising a radio transmitter including a source of high frequency, means for generating recurrent pulses of short duration, a modulator connected for modulating said high frequency by said pulses, a directional radiator connected to receive the output of said pulse modulator for selectively radiating a pulse modulated wave in the direction of the reflecting surface, a directional receiver receiving radiation reflected from said surface, said receiver being of the superheterodyne type, circuit means for supplying a heterodyning frequency derived from the transmitter frequency to the converter of said receiver, including a source of low frequency modulation, a modulator receiving alternating potentials at said high frequency and said modulating frequency, filter means for selecting from the output of said modulator at least one of the resulting side bands, circuit means for applying said side band to said frequency converter jointly with the received radio signal, said receiver including a demodulator for demodulating said converter output, and means for indicating said demodulator output.

2,435,570

NITROSYL HALIDE ADDITION PRODUCT OF ALLYL-TYPE OLEFINIC HIGHER HYDROCARBONS

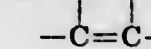
Leland James Beckham, Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application February 27, 1945,

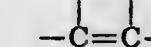
Serial No. 580,071

17 Claims. (Cl. 260-647)

1. The addition product of a nitrosyl halide selected from the group consisting of nitrosyl chloride and nitrosyl bromide, and an olefinic hydrocarbon containing at least 12 carbon atoms, not more than one ring system and one aliphatic



linkage, said

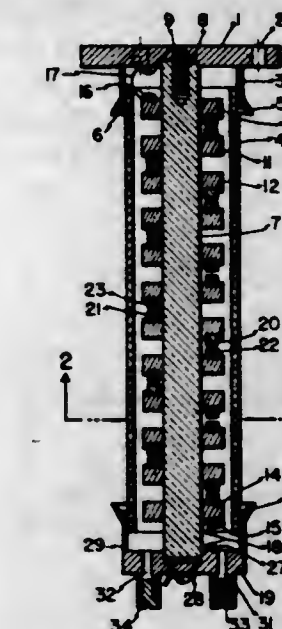


linkage being in a $-CH_2CH=CH_2$ radical.

2,435,571

SPARK GAP

Hugo Benloff, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application April 16, 1945, Serial No. 588,657
7 Claims. (Cl. 250-27.5)



1. A series spark gap comprising an insulating rod, a series of conducting rings fitting over said rod, said rings having electrodes one on each face of the rings, means for clamping said rings to the rod with desired spaced intervals, and electrical connections to the end rings.

2,435,572

VOLTAGE REGULATION

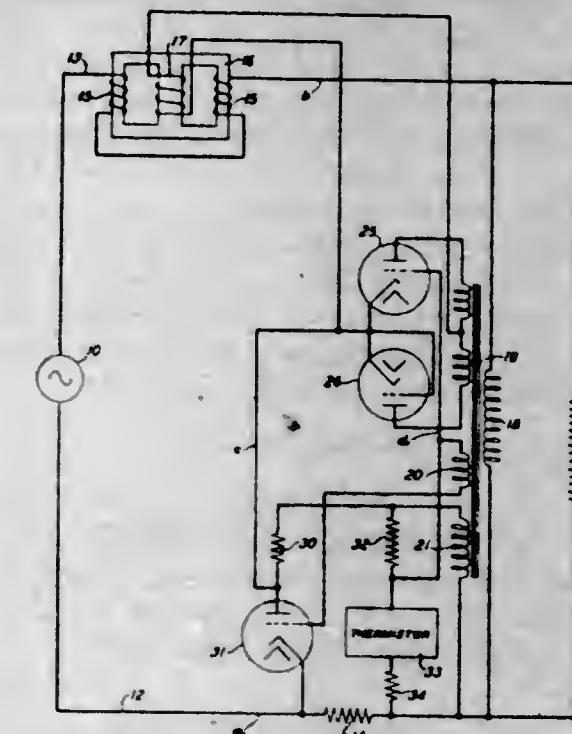
William H. Bixby, Detroit, Mich., assignor to Donald R. Middleton and Stanley M. Hanley, doing business as Power Equipment Company, Detroit, Mich., a copartnership

Application January 31, 1945, Serial No. 575,463

10 Claims. (Cl. 323-89)

1. Regulating means for controlling the current supplied from an alternating current source to a load for minimizing amplitude changes of the alternating load voltage comprising a reactor having a first winding connected in series with said load and a second winding to which direct current is supplied for controlling the impedance of said first winding, resistance means to which current from said source is supplied to set up an alternating voltage, said resistance means comprising a device the resistance of which changes in response to changes of effective current flowing therethrough, means to which cur-

rent from said source is supplied for setting up a second alternating voltage the amplitude of which varies due to voltage changes of said source, means for combining said alternating voltages in opposed phase to set up a resultant voltage, rectifying means for supplying direct current to



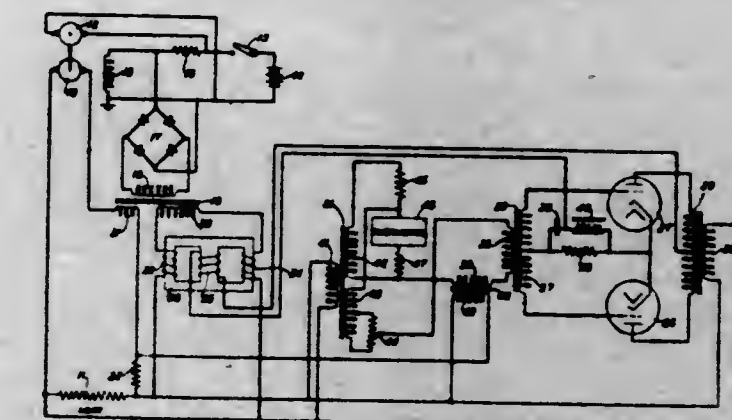
the second winding of said reactor and control means responsive to said resultant alternating voltage for controlling the amplitude of said direct current, thereby controlling the impedance of the first winding of said reactor to maintain said load voltage substantially constant.

2,435,573

VOLTAGE REGULATION

William H. Bixby, Detroit, Mich., assignor to Donald R. Middleton and Stanley M. Hanley, doing business as Power Equipment Company, Detroit, Mich., a co-partnership

Application January 31, 1945, Serial No. 575,464
21 Claims. (Cl. 323-89)



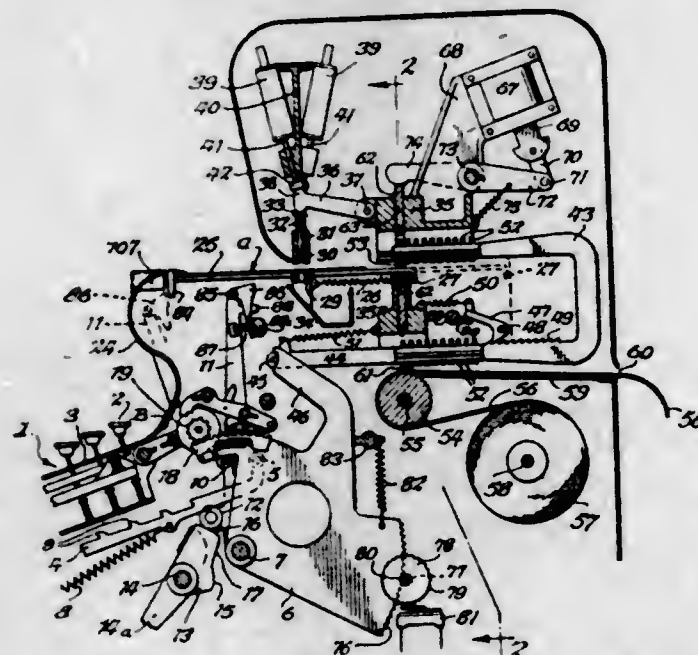
1. Regulating means for controlling the current supplied from an alternating current generator to a load comprising a field winding for said generator, rectifying means for supplying direct current to said field winding in accordance with the amplitude of current from an alternating current source supplied to said rectifier, variable impedance means for controlling the supply of alternating current from said source to said rectifier, means for controlling the impedance of said variable impedance means in accordance with the direct current energization of said impedance control means, a first and a second secondary source of alternating current derived from the current supplied by said generator, the voltage of said secondary sources having variations corresponding to load voltage changes, a circuit connected across said first secondary source comprising in series a resistor and resistance means, said resistance means comprising a device the

resistance of which changes over the operating range at such a rate in response to amplitude changes of the alternating current flowing there-through that the voltage across said device decreases as said current amplitude increases and vice versa, a circuit comprising in series said second secondary source of alternating current and said resistance means for setting up a control voltage having variations corresponding to load voltage changes, the voltage across said second secondary source being in phase opposition to the voltage across said resistance means, means for supplying direct current to said impedance control means and means responsive to said control voltage for controlling the supply of direct current to said impedance control means, thereby controlling the energization of said field winding to minimize load voltage changes.

2,435,574

PUNCHING MACHINE

Cloyd E. Burns, Stamford, Conn.
Application May 14, 1945, Serial No. 593,744
25 Claims. (Cl. 164-113)



1. In a card punching device comprising a card-supporting carriage, means mounting said carriage for movement in a selected path parallel to the face of the card, a punch die beneath the card during said travel, a punch disposed above the die and operable into and out of the die to punch the card, means for moving said carriage through said path, selectively operable keys, and means controlled by the selective operation of said keys for causing operation of said punch during the movement of said carriage throughout a zone of such carriage movement, selectively determined by the particular key which is operated.

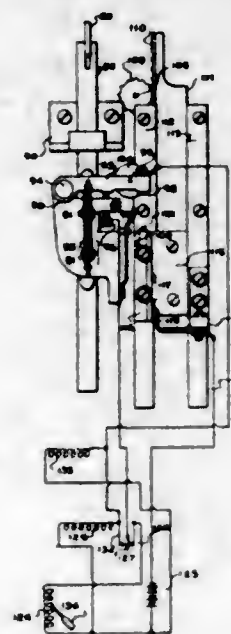
2,435,575

BOMB RELEASE MECHANISM

Earl W. Chafee, Great Neck, and Howard C. Van Auken, Manhasset, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application February 26, 1937, Serial No. 128,034. Divided and this application February 8, 1945, Serial No. 576,762
9 Claims. (Cl. 89-1.5)

1. In a bomb release mechanism for a bomb sight having a computing mechanism, a pair of members each movable independently under control of the computing mechanism in accordance with different computations, contact means so disposed on the respective members as to be brought into engagement at predetermined rela-

tive positions of the members, and electrical warning signal and bomb release circuits success-

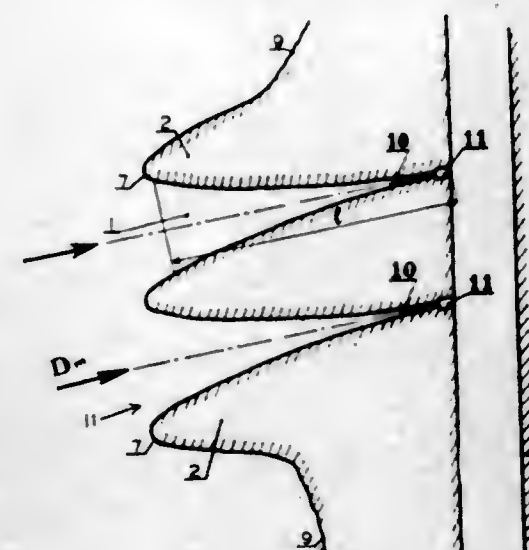


sively operated in the order named by the contact means.

2,435,576

CONCENTRATION CANAL OF INSTALLATIONS FOR RECOVERING ENERGY FROM SEA WAVES

Pierre F. Danel, Grenoble, France, assignor to Ateliers Neyret-Beylier & Piccard-Pictet (Societe Anonyme), Grenoble, France
Application October 12, 1945, Serial No. 622,034
In France June 20, 1945
12 Claims. (Cl. 61-20)

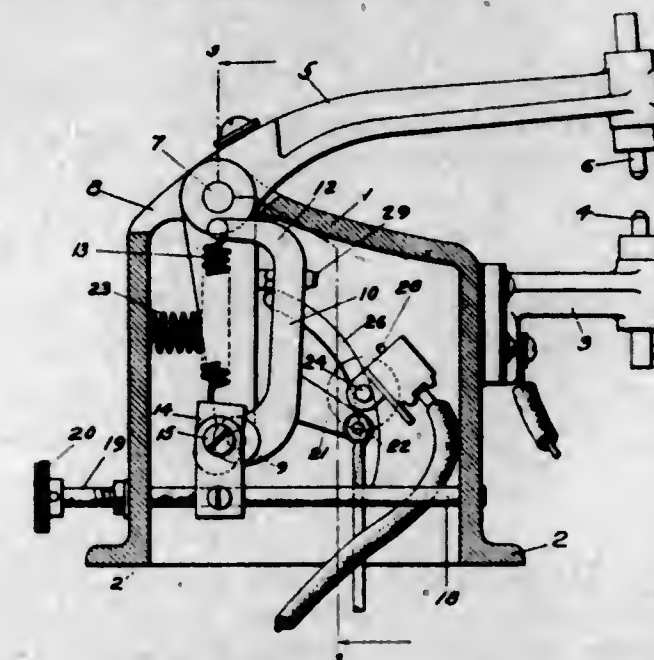


1. In an installation for converting the energy of sea waves into an economically useful form, the combination of a concentration canal opening toward the sea and forming a channel for receiving the waves and increasing their amplitude and propagation velocity as they move inwardly therein, a reservoir at the inner end of the channel for receiving water therefrom, and an inlet gate between the channel and the reservoir for admitting water moved by the waves into the reservoir and preventing return flow from the reservoir to the channel, said concentration canal being defined by laterally spaced upright side walls presenting channel-defining surfaces which continuously converge inwardly from the seaward end of said canal throughout the major portion of the length thereof and which throughout the remaining portion of the length thereof extend in substantially parallel relation, said substantially parallel portion being of sufficient length to insure that the waves in passing inwardly from said major portion shall have attained a substantially constant amplitude before arriving at said inlet gate.

2,435,577

SPOT-WELDING MECHANISM

John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 1, 1943, Serial No. 474,390
15 Claims. (Cl. 219-4)

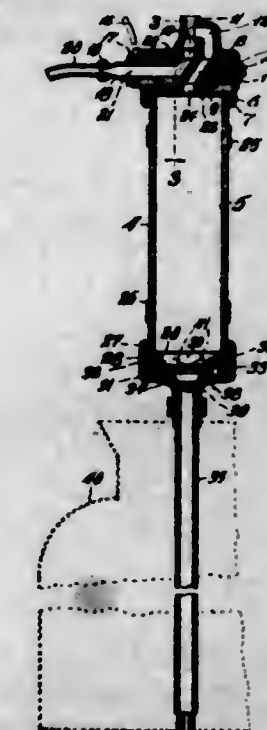


1. In a welding machine of the type having a fixed electrode and a movable electrode, means to move said movable electrode into contact with the work, means effective after such contact to apply a previously fixed force to said movable electrode, and means to limit the application of said fixed force to a predetermined component thereof to predetermine the pressure upon the work.

2,435,578

APPARATUS FOR COLLECTING LIQUID SEDIMENTS

Nicolas Ferraz, Jr., St. Louis, Mo.
Application August 18, 1944, Serial No. 550,011
4 Claims. (Cl. 73-61)



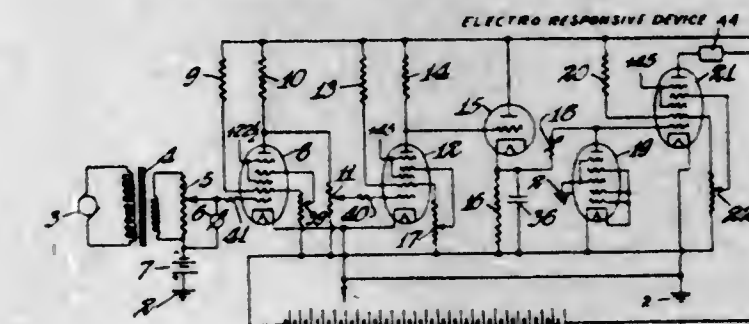
2. An entraining and discharging apparatus for collecting liquid sediments, comprising a container having a head at one end with a body portion thereon, a removably mounted porous disc at the other end of said container, said body portion having a bore with a plurality of ports one of which opens into the container valve provided with a plurality of ports and mounted in the bore of said body portion and having a fluid pressure connection with one of its ports, said valve in one of its positions in the bore of said body portion having its ports communicating with the body portion ports for creating a suction in said container to entrain liquid into said container,

said valve when positioned in said body portion with its fluid pressure connection port in alignment with the body portion container port, creating a pressure on the entrained liquid to cause its discharge from the container and through said disc, said valve also being so constructed as to be capable of moving to a cut-off position in said body portion with respect to the ports thereof.

2,435,579

VOLTAGE MAGNITUDE DISCRIMINATOR CIRCUIT

Oliver T. Francis, Renville, Minn.
Application May 10, 1943, Serial No. 486,343
8 Claims. (Cl. 179-171)

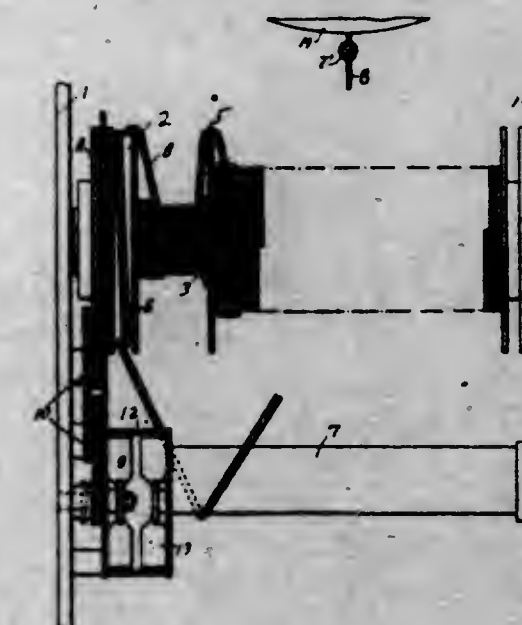


2. A vacuum tube circuit responsive to an input voltage of only one predetermined magnitude comprising: a vacuum tube having a plate, an anode grid, and a plurality of control electrodes, a load in the circuit of said plate, a load in the circuit of said anode grid, means for applying said input voltage to a first of said control electrodes to permit current to flow through both of said loads, means for applying a portion of the voltage produced across said load in the circuit of said anode grid to a second of said control electrodes to block current in said plate circuit as said input voltage increases beyond said predetermined magnitude, and means for indicating voltage variations across said load in the circuit of said plate.

2,435,580

DIFFERENTIAL DRUM FOR MINE ANCHORS

James B. Glennon, United States Navy
Application September 27, 1932, Serial No. 635,117
9 Claims. (Cl. 102-13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. In a device for paying out a mine anchor cable, means to pay out a portion of said cable at a relatively rapid rate, then a second portion slowly, and then the major portion at a rate intermediate the two previously mentioned rates, and means including a rotatable paddle wheel

driven by said first mentioned means and a fixed paddle wheel adjacent thereto acting upon the water in which the mine is being planted to retard the paying out of the cable.

2,435,581

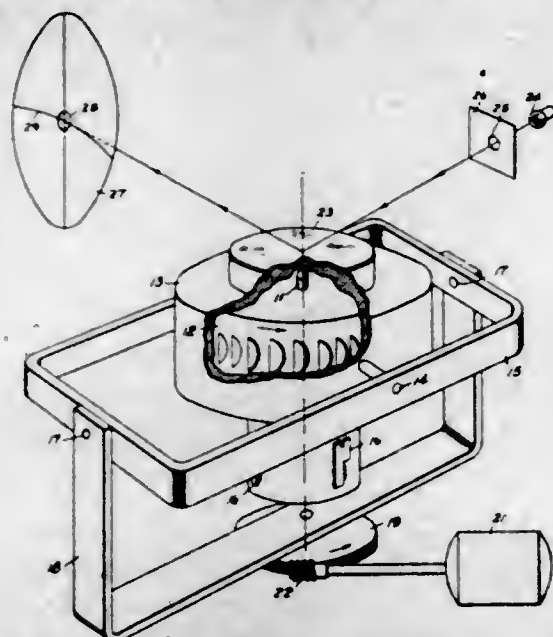
GYROSCOPIC INSTRUMENT

Miles G. Greenland, Philadelphia, Pa.

Application March 14, 1944, Serial No. 526,438

3 Claims. (Cl. 74-5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means for reducing the error in an artificial horizon instrument which has a gyroscope freely mounted in gimbals and having a normally vertical axis, comprising means for continuously rotating the gimbal bearings at a substantially constant speed about the axis of the gyro rotor, and means responsive upon a displacement of said gyro rotor axis from its normally vertical position for exerting a force substantially at right angles to the displacement of said rotor axis and in such direction as to restore said rotor axis to its vertical position.

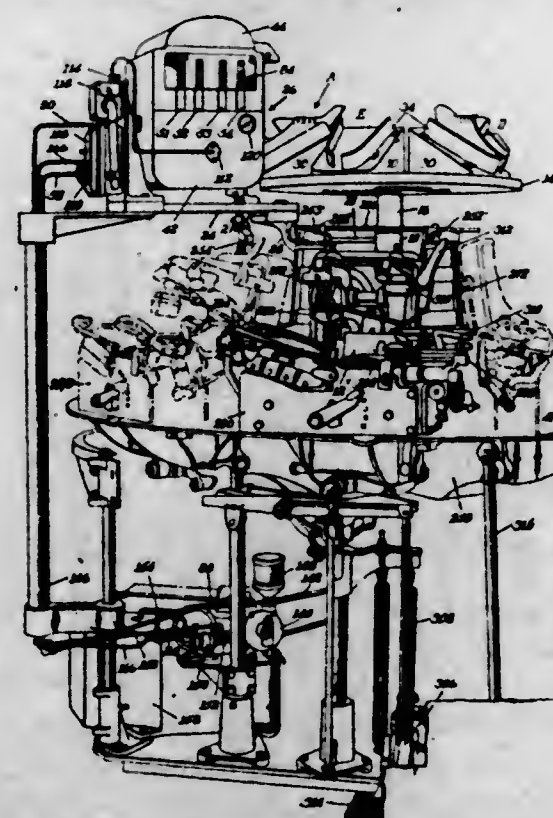
2,435,582

MACHINE FOR USE IN ATTACHING SOLES TO SHOES

Helge Gulbrandsen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application September 29, 1944, Serial No. 556,333

13 Claims. (Cl. 12-1)



1. In a sole-attaching machine, a series of pressing devices arranged to be presented in turn

at an operating station, a table adjacent to said station mounted for rotation in a horizontal plane, a cabinet adjacent to said station for treating soles, means operated by movement of the pressing devices for turning the table, and means for ejecting a sole from the cabinet.

2,435,583

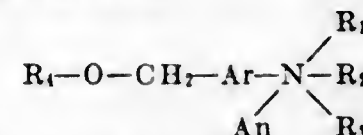
QUATERNARY AMMONIUM COMPOUNDS

William S. Gump, Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application February 29, 1944, Serial No. 524,463

5 Claims. (Cl. 260-567.6)

1. New quaternary ammonium compounds having the general formula:



wherein R_1 , R_2 and R_3 are lower alkyl radicals; An represents an anion selected from the group consisting of anions of inorganic and organic acids; Ar is a member selected from the group consisting of arylene, halogen-substituted arylene and alkyl-substituted arylene radicals; and R_4 is an alkyl radical having 8 to 18 carbon atoms.

2,435,584

WITHDRAWN

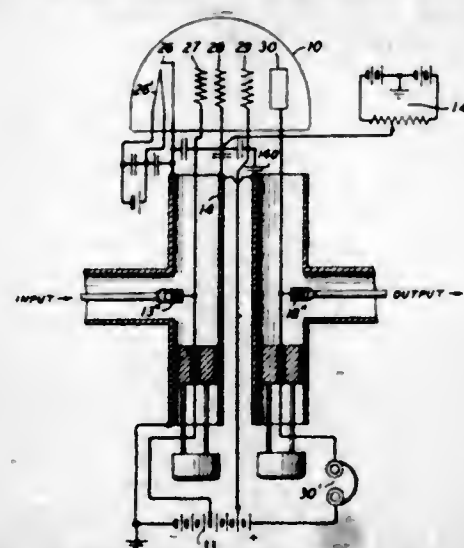
2,435,585

HIGH-FREQUENCY RELAY EMPLOYING AN ELECTRON DISCHARGE DEVICE

Paul L. Hartman, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

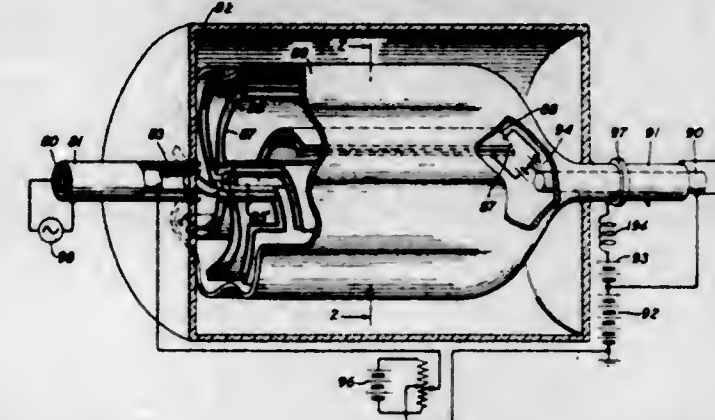
Application December 20, 1941, Serial No. 423,788

4 Claims. (Cl. 315-39)



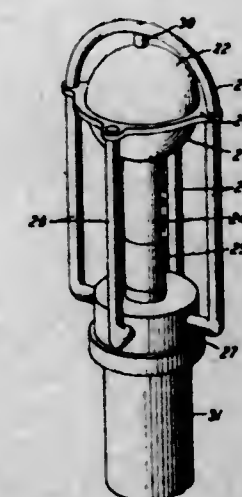
1. A retarding potential system for detecting velocity variations in a stream of negatively charged particles comprising a space discharge device having a pair of grids located one beyond the other in the space intermediate between a cathode and an anode, the first of said grids in order beyond said cathode being adapted to be biased at a positive potential with respect to said cathode and the second of said grids being adapted to be biased in the neighborhood of the cathode potential and thus to provide a retarding electric field, the spacing between said first and second grids being materially less than the spacing between said cathode and said first grid to provide a quarter cycle transit time between said first and second grids, and a half cycle transit time between said cathode and said first grid.

2,435,586

ELECTRON VELOCITY SORTING DISCHARGE DEVICEPaul L. Hartman, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 20, 1941, Serial No. 423,788. Divided and this application December 30, 1943, Serial No. 516,290
2 Claims. (Cl. 315-39)

1. A space discharge device comprising inner and outer hollow coaxial cylindrical conductors insulated from each other, said outer conductor constituting an anode and said inner conductor constituting a grid and having a plurality of axially extending slots therein, a plurality of velocity filters for electrically charged particles, each of said filters comprising a pair of curved spaced substantially parallel conductive plates disposed between said anode and said grid and having two pairs of axially extending ends, each pair providing an opening to the space between said plates; said openings being for input and output of charged particles respectively, the input opening of each filter being aligned with a respective slot in said grid structure and the corresponding output opening being in proximity to said anode, a cathode mounted axially within said grid, means coupled to said anode for supplying a potential with respect to said cathode, and means coupled to said plates for biasing one respective plate of each said filter at one potential with respect to said cathode and the other respective plate in each filter at another slightly different potential with respect to said cathode, said two potentials being intermediate the potential of the said cathode and the potential of the said anode.

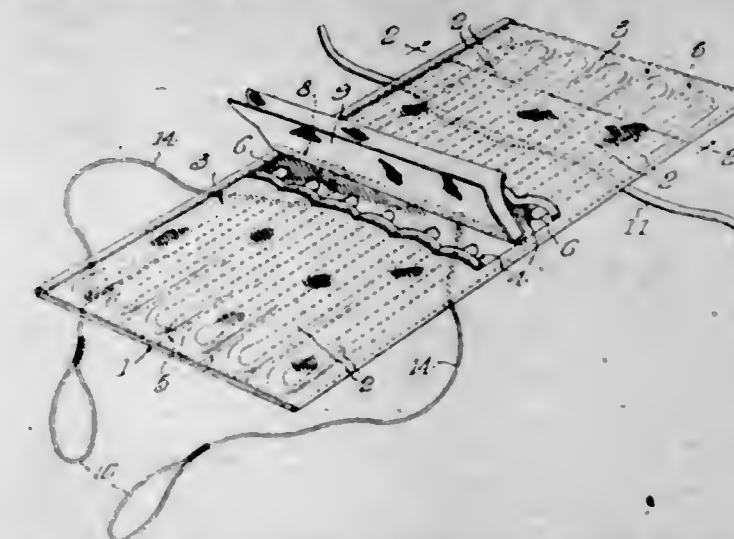
2,435,587

COMPRESSIONAL WAVE SIGNALING DEVICEWilliam E. Harry, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1943, Serial No. 494,640
3 Claims. (Cl. 177-386)

1. A submarine signaling device comprising a housing, inertia-type signal translating means within said housing and having its actuating ele-

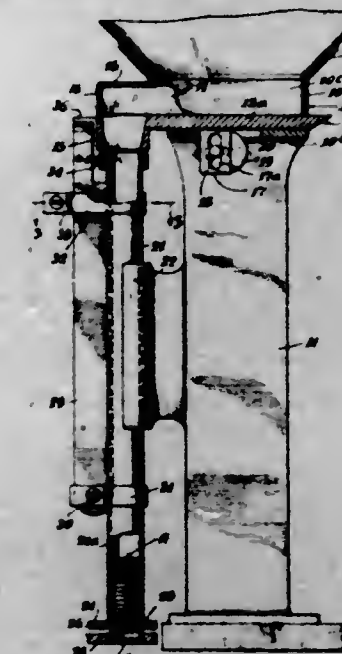
ment connected thereto, a supporting frame having a portion encompassing said housing, and resilient means on the outer surface of said housing and intimately engaged by said portion.

2,435,588

THERMOMETER CENTRIFUGEEino W. Hintsala, United States Army
Application December 21, 1945, Serial No. 636,483
2 Claims. (Cl. 73-373)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A device for readjusting fever thermometers comprising an elongated back member of flexible material, a cord secured along the transverse center line of said back member dividing said member into two parts, a plurality of pockets secured to each part of said back member and having the open ends thereof extending toward said cord, means securing said back member parts in superimposed position, and sling means secured to said cord.

2,435,589

CORK INSERT FEEDING DEVICE FOR CROWN CAP ASSEMBLY MACHINESJohn Wesley Hoffecker, James Wilson, and William Nenstiehl, Wilmington, Del., assignors, by mesne assignments, to Continental Can Company, Inc., a corporation of New York
Application March 24, 1943, Serial No. 480,334
2 Claims. (Cl. 113-113)

1. A device for feeding inserts of disc or ring form for crown caps comprising a vertically disposed tubular magazine for receiving a plurality of inserts to be stacked therein in superposed flat face-to-face relation, said magazine having an internal diameter slightly larger than the outside diameter of said inserts whereby to maintain the edges of said inserts in substantial alignment once they have been brought into stacked relation in the magazine, said magazine also having a slot extending lengthwise in the wall there-

of, feeding means adjacent the upper end of said tubular magazine for receiving and feeding said inserts to the upper end of said tubular magazine, a hammer bar positioned within said slot and extending therealong adjacent the edges of a column of stacked inserts in said tubular magazine, means supporting said hammer bar for vibratory movement through said slot toward and away from said stacked inserts within said magazine and edgewise thereof, and means for moving said hammer bar toward and away from said stacked inserts to impart vibratory blows to the edges thereof and thereby cause any insert within said magazine which is not in said flat face-to-face relation to the stacked inserts to fall into said relation.

2,435,590

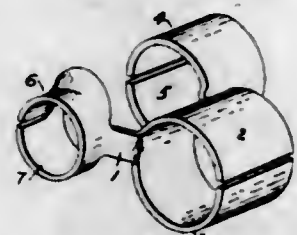
CARTRIDGE BELT LINK

Howard B. Holroyd, Davenport, Iowa

Application July 13, 1942, Serial No. 450,779

1 Claim. (Cl. 89-35)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An ammunition belt link of one-piece construction of flat strip material comprising a central body portion, a pair of substantially semi-cylindrical sleeve-forming tongues of substantially equal circumferential lengths integral with and extending from said body portion, said sleeve-forming tongues having their free ends proximate whereby a longitudinally split substantially cylindrical hinge sleeve is formed, the ends of said body portion being extended beyond said hinge sleeve and bent opposite to said hinge sleeve, said body portion being symmetrical about a median plane passing between the free ends of said tongues equidistant from the same and containing the axis of the hinge sleeve, a plurality of substantially cylindrical coaxial gripping sleeves axially spaced from each other a distance substantially equal to the axial length of said hinge sleeve and integrally formed with the ends of said body portion, the axis of said gripping sleeves being parallel to the axis of the hinge sleeve and lying in said median plane, said gripping sleeves being split longitudinally along a line included in said median plane, the split portions of said sleeves being opposite from said body portion.

2,435,591

TENDERING PROPERTIES OF TEXTILES DYED WITH YELLOW TO ORANGE VAT DYE STUFFS BY TREATMENT WITH CERTAIN NITROGENOUS RESINS

Albert Landolt, Riehen, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss firm

No Drawing. Application May 9, 1944, Serial No. 534,802. In Switzerland January 6, 1943

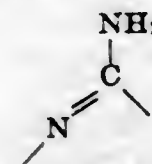
Section 1, Public Law 690, August 8, 1946

Patent expires January 6, 1963

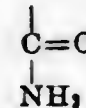
6 Claims. (Cl. 8-18)

1. Process for improving the properties of textile materials dyed with vat dyestuffs, which comprises treating textile materials dyed with yellow to orange dyeing vat dyestuffs which render the

textile tender upon exposure to light with aqueous solutions of reaction products of formaldehyde and compounds which contain, on the one hand, at least once and at the most three times the atom grouping



wherein the free valence of the carbon atom is bound to a nitrogen atom, and, on the other hand, at the most one oxygen atom in an atom grouping



which compounds contain at least two and at the most three carbon atoms, at least four and at the most six nitrogen atoms, and hydrogen as the only additional element; said reaction products having been formed in a reaction medium whose pH is not lower than 7, and subjecting the textile materials to a drying process at a pH smaller than 7.

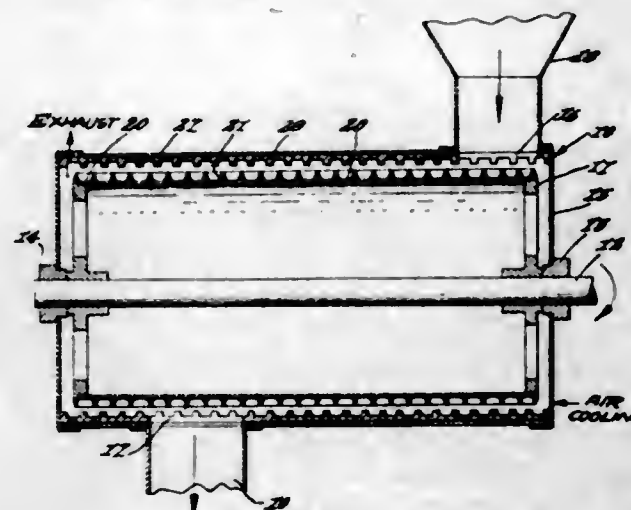
2,435,592

HORIZONTAL AXIS DRUM GRAIN PEELER WITH COOPERATING RESINOUS AND RUBBER PEELING SURFACES

Walter W. Loewy, New York, N. Y.

Application January 15, 1943, Serial No. 472,459

2 Claims. (Cl. 146-302)



1. In an apparatus of the character described having a rotatable drum and housing therefor, a grid-shaped covering of resinous material on the drum surface, said housing having an inner surface lining of yieldable material provided with projections, means to rotate said covering relatively to said lining, means for feeding surface moistened grain material onto said drum covering, whereby said grain material is propelled against said housing lining and projections and then pressed by the latter for contact with said covering to thereby split open the hulls of said grains and to free the latter from said hulls, and means for forwardly moving said grain material on said drum.

2,435,593

PROCESS FOR MAKING BIS-(3,5,6-TRICHLORO-2-HYDROXYPHENYL) METHANE

Max Luthy, Ridgewood, and William S. Gump, Montclair, N. J., assignors to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application June 14, 1945,

Serial No. 599,507

17 Claims. (Cl. 260-619)

1. In the process for preparing bis-(3,5,6-trichloro-2-hydroxyphenyl) methane by condensing

2,4,5-trichlorophenol with a formaldehyde-yielding substance, the improvement which comprises conducting the condensation at elevated temperatures and in the presence of a substance selected from the group consisting of sulfuric acid having at least about 93% H₂SO₄ content by weight and oleum, said substance being employed in an amount not substantially more than one-third the weight of the 2,4,5-trichlorophenol employed.

2,435,594

HYDRAULIC CEMENT COMPOSITION

Donald R. MacPherson, University Heights, Ohio, assignor to The Master Builders Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 20, 1945,

Serial No. 623,603

8 Claims. (Cl. 106-90)

1. A dry cement composition comprising an hydraulic cement and .01% to .6%, based on the weight of the cement, of residuum solids of fermented sulfite liquor, said residuum solids being substantially devoid of fermentable sugars present in the unfermented waste sulfite liquor.

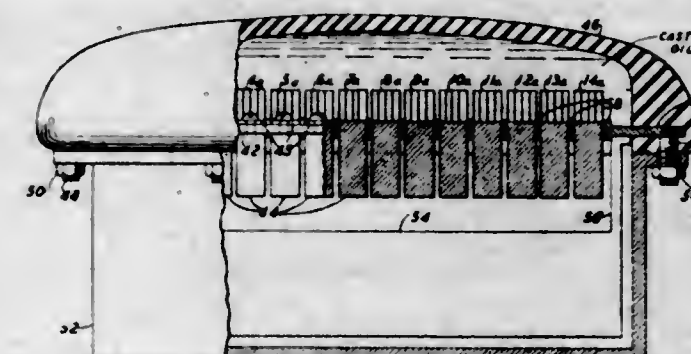
2,435,595

HIGH-POWER COMPRESSIONAL WAVE RADIATOR

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application February 19, 1942, Serial No. 431,558. Divided and this application August 19, 1943, Serial No. 499,223

1 Claim. (Cl. 177-386)



A high power compressional wave radiator comprising an electromechanical vibrating element adapted to develop at its radiating surface acoustical pressures in excess of one atmosphere, an envelope enclosing said vibrating element said envelope being filled with a liquid of sufficiently high viscosity that the phenomena of cavitation will not take place on the radiating surfaces of the vibrating element at the acoustical pressures developed, the proportions of said envelope being sufficiently large that the acoustical pressure developed at its surface is less than one atmosphere.

2,435,596

OILING DEVICE

Charles W. Merriam, Jr., United States Navy, Taunton, Mass.

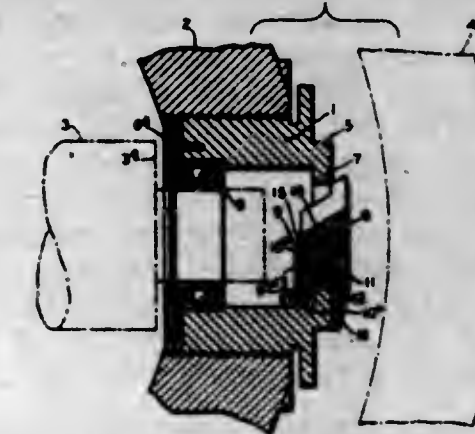
Application May 22, 1945, Serial No. 595,228

6 Claims. (Cl. 308-187)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination an oiling device and a bearing having a flange on the outer end thereof, said oiling device including a disk having a lubricant receiving and directing surface formed thereon,

said disk being of a size to overlap said flange, a plate disposed within said flange, and means connecting said plate to said disk for causing them to grip said flange.



2,435,597

DISSIPATIVE LOAD AND WATTMETER FOR ULTRA HIGH FREQUENCY ELECTRIC POWER

Eric Balliol Moullin, Brooklands, Sale, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain

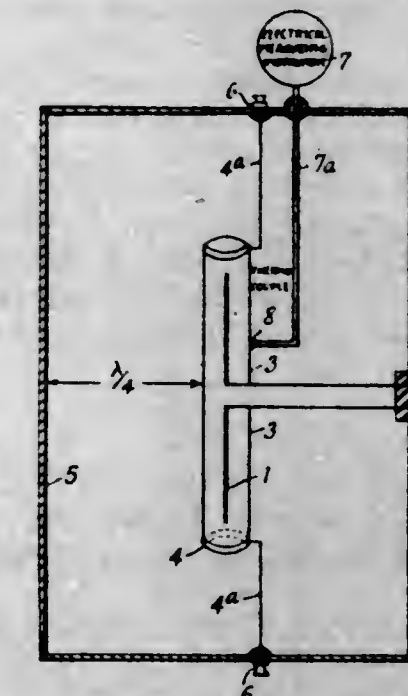
Application March 9, 1945, Serial No. 581,920

In Great Britain June 11, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires June 11, 1963

6 Claims. (Cl. 171-95)



3. Apparatus for measuring ultra high frequency power, comprising an aerial adapted to be supplied with the power to be measured, an electrically resistive cylindrical sheath surrounding said aerial, said resistive sheath having a radius at least 0.16λ and being such that the resistance of a strip one inch wide and twelve inches long is of the order of 1440+ ohms, an electrically conductive cylinder enclosing said resistive sheath and spaced therefrom approximately λ/4, and means for measuring the heating effect produced in said resistive sheath.

2,435,598

ELECTRIC PULSE DELAY CIRCUIT

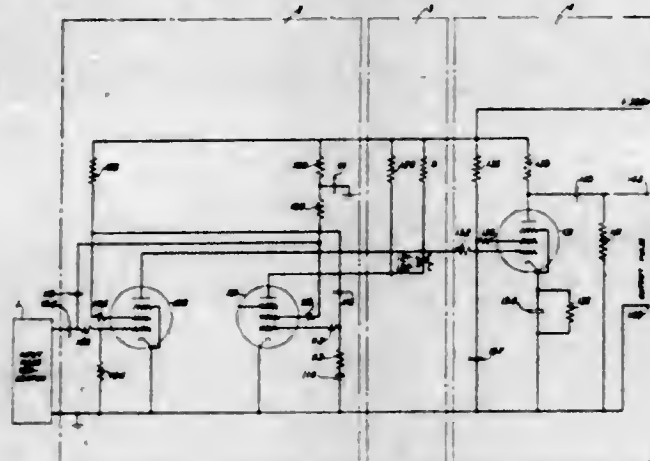
Bernard M. Oliver, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 28, 1943, Serial No. 515,904

18 Claims. (Cl. 250-27)

11. In combination, a source of unidirectional current, two electronic devices each having an anode, a cathode and a control electrode, a con-

denser, two resistors, a circuit comprising said current source, the anode-cathode path of one of said electronic devices and one of said resistors, a second circuit comprising said current source, the anode-cathode path of the other of said electronic devices and the other resistor, means for connecting the terminals of said condenser to the anodes of said electronic devices respectively, means for causing said electronic devices to become conducting alternately for controlling the charge on said condenser, said last-mentioned means comprising means for intermittently impressing upon the control electrode of said first electronic device with respect to its cathode a



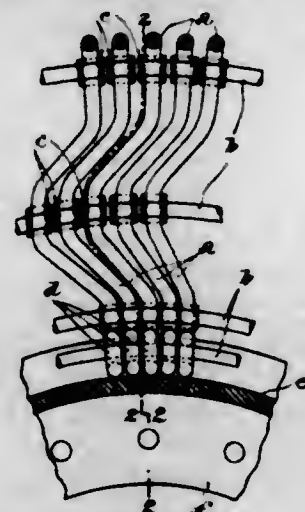
potential for causing said first device to change from a normally conducting to a non-conducting state, and means responsive to said change of said first device from the conducting to the non-conducting state for impressing upon the control electrode of said second electronic device a potential for causing said second device to change from a normally non-conducting to a conducting state, a third electronic device comprising an anode, a cathode and a control electrode, and a circuit comprising said condenser connecting the control electrode and cathode of said third electronic device for changing said third device from a conducting to a non-conducting state and vice versa according to the charge on said condenser.

2,435,599

METALLIC CUSHION TIRE

Armand Raymond Ernest André Perreau, Lyon, France; vested in the Attorney General of the United States

Application September 1, 1942, Serial No. 456,846
In France October 23, 1941
2 Claims. (Cl. 152-275)



1. An elastic wheel comprising a rim supported from a hub, a plurality of flexible members arranged side by side, bulging outwardly from the rim, and having curved end portions remote from the rim forming the wheel tread, and having substantially radially disposed portions intermediate the rim and tread lying substantially in the planes of the outer and inner faces of the wheel, said intermediate portions being bent to

form elbows also lying in said planes, said elbows being capable of temporary resilient distortion in innumerable planes responsive to ground impacts on the said end portions of the members, said elbows also being so closely spaced at their inner ends that said ends are caused to contact one another to form substantially unyielding structure at the impact regions in the planes of said inner and outer wheel faces, rods circumscribing the rim, and means for slidably and frictionally interconnecting said rods to said members whereby the oscillations derived from an impact of the wheel with the ground will be damped by said frictional interconnecting means.

2,435,600

TREATMENT OF SATIN WHITE

Harold R. Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

No Drawing. Application March 23, 1944,

Serial No. 527,837

11 Claims. (Cl. 106-306)

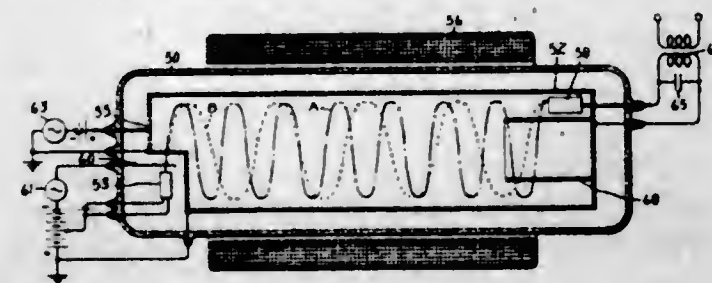
1. In the treatment of satin white, the method of modifying said satin white to effect a reduction in at least one of the properties of adhesive requirement and oil absorption of said satin white, which comprises the step of subjecting a mixture comprising said satin white and water to a blow from a striking member of a rotor element, the subjection to said blow having substantially no effect on the particle size of said satin white, said mixture being free to move upon, and at the point of, the striking of said blow, said rotor element at the time of subjecting said mixture to the striking of said blow being substantially free from contact with said mixture except in respect to said striking member, said mixture being propelled by said striking member away from and out of the path of said striking member, said water being present in said mixture in an amount not less than substantially 10% by weight, and said striking member having a velocity of not less than substantially 30 feet per second at the point of the striking of said blow.

2,435,601

PHASE MODULATION SYSTEM

Simon Ramo, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Substituted for abandoned application Serial No. 316,339, January 30, 1940. This application December 31, 1942, Serial No. 470,811
2 Claims. (Cl. 179-171.5)



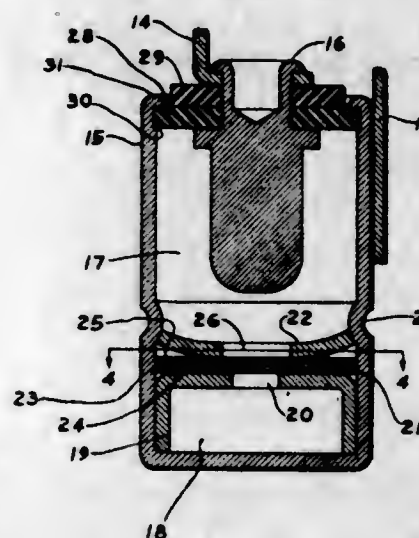
2. A system of phase modulation including means for producing an electron stream, means for modulating the stream at a carrier frequency, means defining a space to be traversed by the modulated beam, means for causing the beam to follow a helical path through said space so that the electron transit time through the space comprises at least several complete cycles of the carrier, means for varying said helical path at a signal frequency thereby to vary the electron transit time through the said space and output means adapted to be excited by the electron stream after its traversal of the said space.

2,435,602

SWITCH

Ernst Walter Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois

Application April 8, 1944, Serial No. 530,123
11 Claims. (Cl. 200-80)



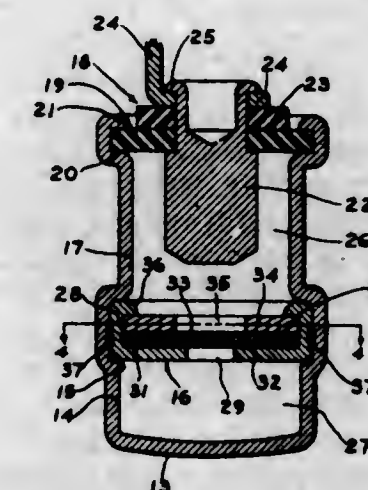
4. A switch comprising a spinning member, a tubular shell radially disposed thereon, a contact member at one end of the shell and sealed thereto, the other end of the shell being closed, and a restriction member across said shell between the contact member and the closed end thereof, said restriction member comprising a support having at least one aperture therein, a layer of porous material on the side of said restriction member facing the axis of rotation, and means clamping said layer of porous material to the support.

2,435,603

TIMING UNIT FOR SWITCHES

Ernst Walter Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois

Application April 8, 1944, Serial No. 530,124
3 Claims. (Cl. 200-80)



1. In a device of the character described, a tubular metal shell having an annular shoulder intermediate its ends, a restriction wafer comprising a shallow, flat bottomed metal cup member provided with an opening the bottom, said cup member resting on said shoulder and welded, liquid tight, to the shoulder, a layer of porous material in the bottom of said cup covering said opening, means including an intumed lip at the open end of the cup holding the layer of porous material in place, the cup member serving to divide the shell into two chambers, an electrical contact disposed in one of the chambers and mercury disposed in the shell.

2,435,604

PROPELLER

Henry C. Rorden, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 19, 1944, Serial No. 523,022
4 Claims. (Cl. 170-159)



1. A propeller comprising a blade having an opening extending therethrough between the blade faces, said blade having a vibrational node toward the leading edge thereof and a second vibrational node toward the trailing edge thereof, said opening being between the two nodes, a mass member in said opening, and a body of soft, vibrational energy dissipative plastic suspending said mass member in said opening.

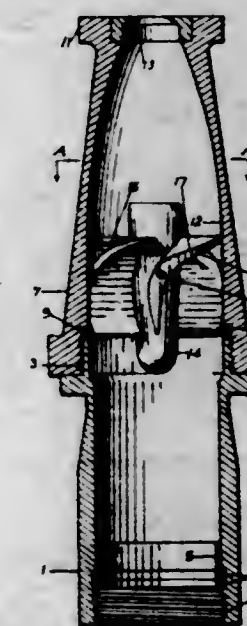
2,435,605

SPRAY NOZZLE

Herman L. Rowell, United States Army

Application March 31, 1944, Serial No. 528,914
2 Claims. (Cl. 299-120)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A spray nozzle for ejecting a homogeneous mass of liquid droplets comprising a tubular conduit converging for at least a portion of its length from an inlet to an outlet, a centrally spaced solid plug tapered toward the inlet and spaced from inner surfaces of said conduit, a series of blades disposed around said plug said blades having concave curved surfaces and convex curved surfaces, each of said blades having a gradually increased thickness from the end tips toward their centers, and the distance separating the concave surface of one blade from the convex surface of an adjacent blade becoming gradually smaller in a downstream direction.

2,435,606

TIME-SPEED-DISTANCE DIVIDER-TYPE COMPUTER

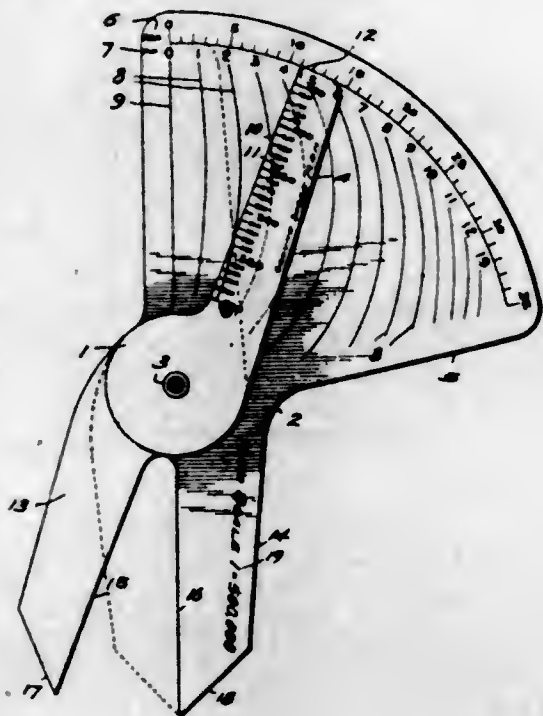
Charles Sadowsky, New York, N. Y.

Application December 1, 1943, Serial No. 512,446
3 Claims. (Cl. 32-148)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A divider-type computer for use with a map comprising a pair of members pivotally connected

together for relative movement and respectively consisting of an opaque scale-bearing portion and a leg portion, each leg portion being sharp pointed for accurate placement over or alignment with a selected point on the map, the scale-bearing portion of one member having a set of time curves arranged thereon to be traversed by the scale-bearing portion of the other member, the scale-bearing portion of the said other member having a ground speed scale thereon so as to be

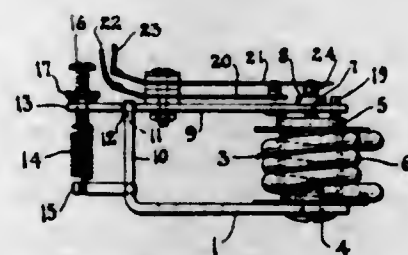


moved across the time curves by the opening and closing of the legs of the computer whereby the point of intersection of any given time curve and speed scale graduation varies for different open positions of the computer legs, one of said members having a scale of distance values, and an index on the other member for indicating on the distance scale the value corresponding to the actual distance represented by the spacing between the legs of the computer.

2,435,607

OVERLOAD RELAY

John H. St. John, Rutherford, N. J., assignor to Hoyer Industries Incorporated, Belleville, N. J., a corporation of Delaware
Application July 7, 1942, Serial No. 449,982
6 Claims. (Cl. 175-336)

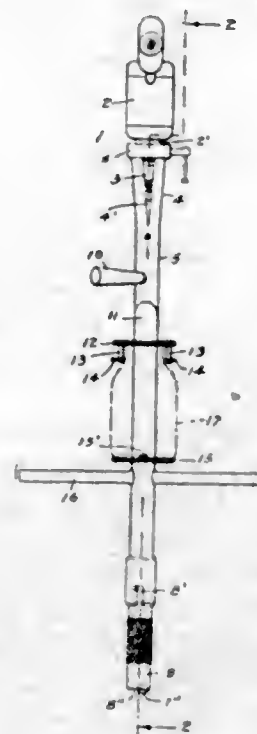


1. In an overload relay, an electro-magnet having a core provided with a pole face at one end thereof, a single winding for magnetizing said core, said core having an axial extension of a cross-sectional area considerably less than that of the core projecting from the pole face, a head on the free end of said extension of a cross-sectional area slightly larger than that of the extension, and an armature having a slotted portion embracing the extension and movable between the pole face and said head.

2,435,608

DRILL SAMPLING DEVICE FOR FISH LIVERS

Francis Bruce Sanford and Lynne G. McKee, Seattle, Wash., assignors to the United States of America, as represented by the Secretary of the Interior
Application October 22, 1945, Serial No. 623,840
3 Claims. (Cl. 73-425)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A drill sampling device for fish livers which includes, in combination with a conventional electric hand drill and chuck, an auger tube and means for connecting the auger tube to the housing of the hand drill, an auger closely fitting within the auger tube but rotatable therein, a centrally bored plug in the upper portion of the auger tube through which the shank of the auger passes for chucking in the chuck of the hand drill, a removable tip on the lower end of the auger tube, the end of the tip being provided with a sharp cutting edge, said sharp cutting edge being positioned slightly above the cutting edge of the auger, a delivery spout near the upper end of the auger tube and below the said plug therein, means mounted on the auger tube for supporting a receptacle under the delivery spout and a guard on the auger tube to limit the entrance of the auger and tube in the fish livers, the whole arranged whereby the liver material cut from the fish by the auger is conveyed by the spiral convolutions of the auger upwardly within the auger tube and expelled therefrom through the said delivery spout into a receptacle.

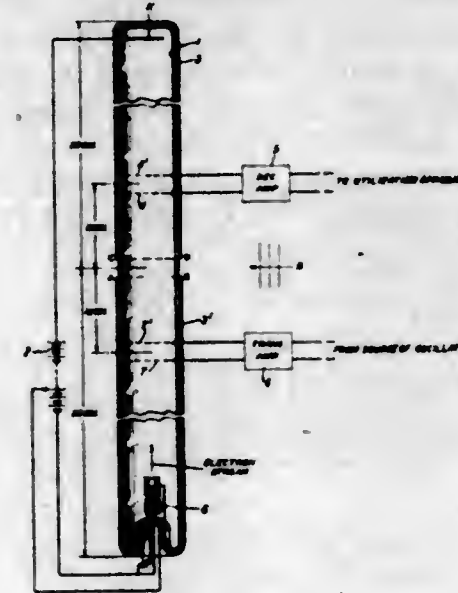
2,435,609

DIPOLE ANTENNA

Sergei A. Schelkunoff, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 20, 1943, Serial No. 483,725
4 Claims. (Cl. 250-33)

1. The method of effecting the direct interchange of electrical energy between an electron stream and an externally generated radiation field which comprises establishing an alternating voltage loop in said field, generating a stream of electrons having a desired velocity, directing

said stream in a path substantially parallel to the voltage gradient in the region of said loop and

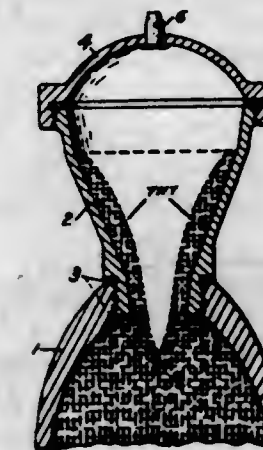


producing modulation of the velocity of said electrons in passing said loop.

2,435,610

FUNNEL FOR CASTING EXPLOSIVE CHARGES

Charles F. Schneider, San Antonio, Tex.
Application April 30, 1941, Serial No. 391,120
7 Claims. (Cl. 86-31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. The method of filling a shell with a molten explosive charge which solidifies upon cooling and which has a greater density in the solid state than in the molten state, comprising the steps of securing a heat insulating funnel to the shell in airtight relation, melting the explosive material, pouring the molten material into said funnel to fill the shell, and also the funnel in excess of the amount necessary to fill the shell after solidification of the charge therein, sealing the top of the funnel with a heat insulating cover, applying fluid pressure continuously during filling to the surface of the molten explosive in said funnel, and allowing the charge to solidify in said shell whereby room is made for a portion of the molten explosive forced from the heat insulating funnel to fill shrinkage cavities in the shell as the charge therein solidifies.

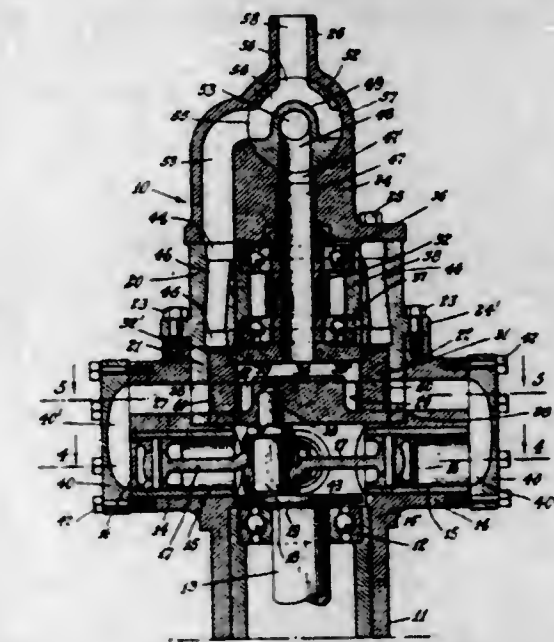
2,435,611

MULTIPLE CYLINDER FLUID MOTOR OR COMPRESSOR OF THE RADIAL PISTON TYPE

Lester Sejarto, Richmond Hill, N. Y.
Application July 9, 1943, Serial No. 493,980
6 Claims. (Cl. 121-121)

3. A fluid actuated motor or compressor comprising radial cylinders and pistons reciprocable

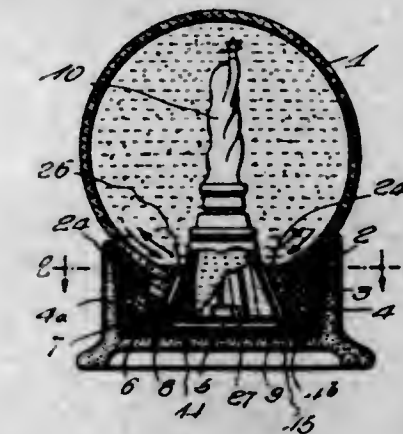
therein, a distributor valve operatively associated with said pistons, said distributor valve comprising a body portion and a hollow valve stem coordinated with said body portion for conducting fluid relative thereto, said cylinders having ports for fluid admission and exhaust, a reversing valve, said reversing valve being positioned in



correlated association with the end of said hollow valve stem opposite the body portion of said distributor valve, another conduit extending between said reversing valve and the body portion of said distributor valve, said distributor valve providing inlet and discharge ports coordinated with said cylinder ports for conducting high and low pressure fluid to and from said cylinders.

2,435,612

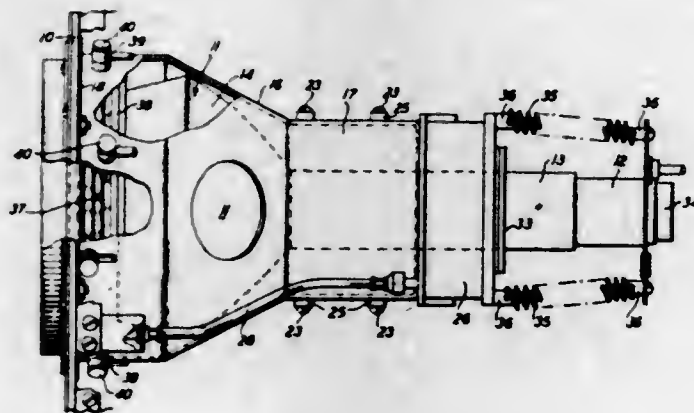
CRYSTAL NOVELTY AND PAPERWEIGHT
William M. Snyder, Covington, Tenn., assignor to Sarah S. Snyder, Covington, Tenn.
Original application March 19, 1942, Serial No. 435,411. Divided and this application October 8, 1943, Serial No. 505,515
3 Claims. (Cl. 41-10)



1. A crystal novelty comprising, a fluid container having an annular neck portion at one side thereof, the interior wall of said neck portion being inwardly inclined toward the interior of said container and having diametrically opposite pockets formed therein, a figure insertable through said neck portion, said figure having a substantially frusto-conical shaped base with diametrically opposite lugs projecting therefrom, said lugs being engageable in the pockets in said neck portion for maintaining said frusto-conical shaped base on spacial relation to the inwardly inclined interior wall of said annular neck portion, means engageable with the exterior of said neck portion, and means interposed between the base of said figure and the aforesaid means for maintaining said figure in a substantially vertically erect position within said fluid container.

2,435,613

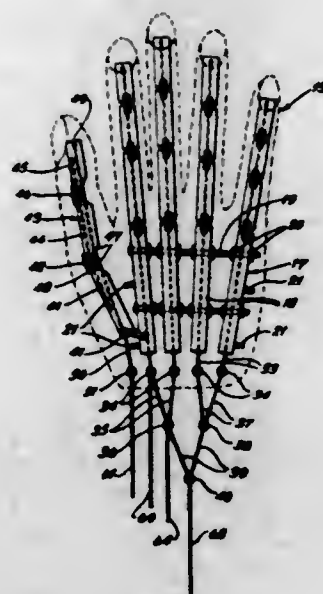
MOUNTING FOR ELECTRONIC DEVICES
Philip T. Sproul, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application February 18, 1944, Serial No. 522,907. Divided and this application October 11, 1946, Serial No. 702,814
12 Claims. (Cl. 250—141)



1. A cathode ray device mounting comprising a metallic shell casing having an open portion of large area surrounding the large diameter portion of said device and an apertured cup portion surrounding the neck of said device, an annular magnetic coil surrounding said neck and adjustably mounted within said cup portion, an adjustable permanent magnet surrounding said neck and supported on the rear of said cup portion, a socket resiliently mounted on said magnet and attached to the terminal end of said device, and yieldable members supported by said coil and magnet cushioning said device in the mounting.

2,435,614

ARTIFICIAL HAND
Garnet R. Tureman, Jr., Augusta, Ga.
Application July 9, 1945, Serial No. 603,781
2 Claims. (Cl. 3—12)

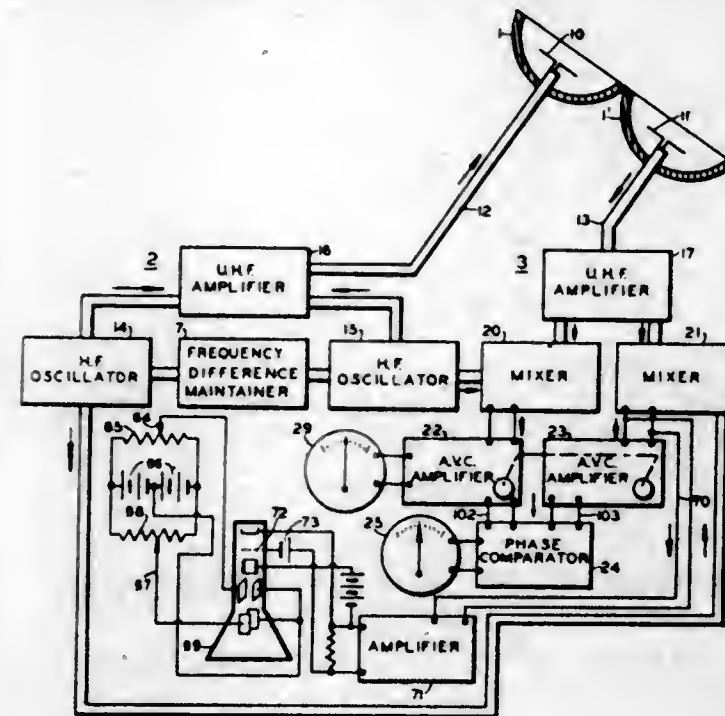


1. An artificial hand which includes a palm-supporting unit comprising a plurality of divergent tubular palm members, a tubular articulated finger member pivotally attached at the divergent end of each tubular palm member, resilient means to hold each finger member extended in longitudinal alignment with its respective palm member, means to cause each finger member to flex against the effort of the resilient means, and means to vary the divergence of the palm and finger members.

2,435,615

OBJECT DETECTING AND LOCATING SYSTEM

Russell H. Varian, Bellmore, and William W. Hansen and John R. Woodyard, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporation of California
Application September 30, 1941, Serial No. 412,918
18 Claims. (Cl. 250—158)



2. Apparatus for measuring the distance of a remote object comprising means for projecting electromagnetic radiation containing a plurality of ultra high frequencies, means for mixing each of said ultra high frequencies with its respective reflection from the remote object to produce a plurality of beat frequencies, and means for comparing the phase relations existing between said beat frequencies to determine the distance of said object.

2,435,616

ELIMINATION COUPLING WITH AZO-SUBSTITUTED COUPLERS

Paul W. Vittum, Arnold Weissberger, and Lot S. Wilder, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

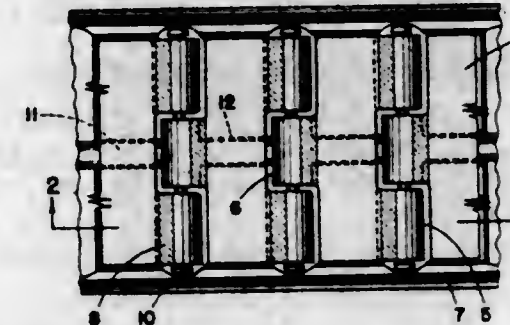
No Drawing. Application July 7, 1944,
Serial No. 543,948
5 Claims. (Cl. 95—6)

1. The method of producing a colored image in a silver halide emulsion layer, which comprises incorporating in said layer a colored coupler having an azo-substituted reactive group selected from the class consisting of aromatic azo-substituted and heterocyclic azo-substituted methylene groups and aromatic azo-substituted and heterocyclic azo-substituted carbon atoms in a position other than meta to the hydroxyl group of a phenolic hydroxyl group, said azo substituent rendering the coupler non-diffusing in the emulsion layer, exposing said layer and developing it with a primary aromatic amino developing agent, thereby splitting off said azo-substituted reactive group and coupling said coupler at the point of splitting, with the development product of said developing agent, to form a silver image and a coupled dye possessing a group rendering the coupled dye soluble in the developing solution, and simultaneously removing said coupled dye from the region of said silver image in the emulsion layer by dissolving it in an alkaline solution, leaving the original colored coupler having the azo group in the remaining portions of the layer.

2,435,617

TRACKED VEHICLE OR CRAFT CONSTRUCTION

Theodore A. Werkenthin, Arlington, Va.
Application December 17, 1945, Serial No. 635,450
3 Claims. (Cl. 305—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

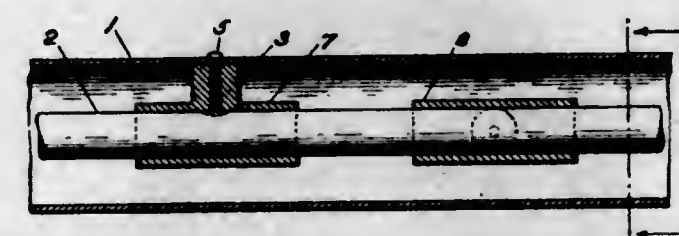


1. In a bogie wheel construction for vehicles or craft propelled by an endless track, said bogie wheel having a rubber or like surface provided with transverse grooves spaced about its periphery, and sectional link members of metal or the like having depending looped portions received in said recesses and connected by transverse pins extending through the loops, said articulated links or sections providing a flexible sheathing or covering for the rubber surface of the wheel, each of said links or sections having a centrally located loop at one side thereof and spaced apart depending loops at the opposite side thereof to receive the central loop of the adjacent link.

2,435,618

COAXIAL TRANSMISSION LINE

Kenneth A. Young, Waban, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 5, 1944, Serial No. 543,582
4 Claims. (Cl. 178—44)



2. An electric transmission line for transmitting high frequency electric waves including a tubular conductor, a central conductor coaxial with said tubular conductor, and means for maintaining said conductors in fixed spaced relation comprising a pair of T-shaped connectors of conductive material each including a sleeve portion surrounding said central conductor and rigidly fixed thereto and a portion projecting from said sleeve portion and extending to and rigidly connected with said outer conductor.

2,435,619

LUBRICANT COMPOSITIONS

David W. Young, Roselle, and William J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 15, 1944,
Serial No. 518,393

9 Claims. (Cl. 252—56)

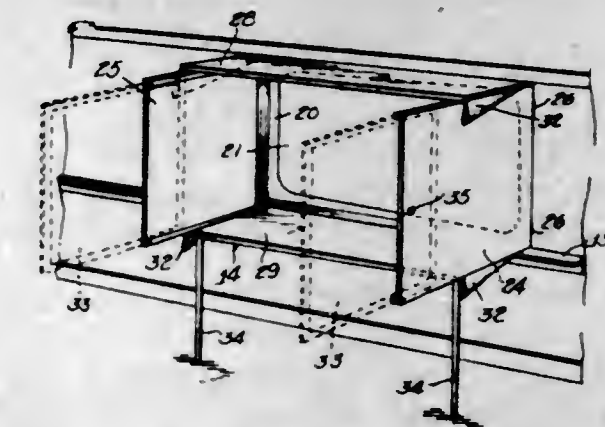
3. A composition comprising a major proportion of mineral lubricating oil and a V. I. improving amount of a polyester condensation product of the reaction of a compound selected from the class consisting of dicarboxylic acids and lower aliphatic esters of dicarboxylic acids with a glycol, at least one of said monomeric substances having at least 10 carbon atoms per

molecule, the said polyester being completely soluble in paraffinic oil having a viscosity index of at least 100, at temperatures as low as 30° F., and being substantially free from polyester fractions less soluble in such paraffinic oil.

2,435,620

MOVING-PICTURE PROJECTION SCREEN

William W. Alexander, Atlanta, Ga.
Application October 12, 1943, Serial No. 505,977
12 Claims. (Cl. 88—28.90)



1. A device for viewing images projected by a motion picture projector or the like, comprising a rectangular screen member having an image receiving surface, panel means hinged adjacent the edge of said screen member and adapted to be swung outwardly therefrom at an angle to the image reflecting surface to shade the same, and auxiliary panel means carried by the first named panel means for variable telescopic adjustment with respect thereto for additionally shading the image receiving surface in variable amounts to meet varying conditions of extraneous light.

2,435,621

METHOD OF PURIFYING A HYDROCARBON MATERIAL CONTAINING ORGANIC HALOGEN COMPOUNDS AS IMPURITIES

John W. Brooks, Wenonah, and James B. Kirkpatrick, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 30, 1943,
Serial No. 504,436

9 Claims. (Cl. 196—38)

1. The method of purifying a hydrocarbon material containing organic halogen compounds as impurities, which comprises contacting said halogen-containing hydrocarbon material with a substance selected from the group consisting of anhydrous ammonia and an aqueous solution of ammonia, at a temperature varying between about 400° F. and about 800° F., and at a pressure in excess of about 100 pounds per square inch.

2,435,622

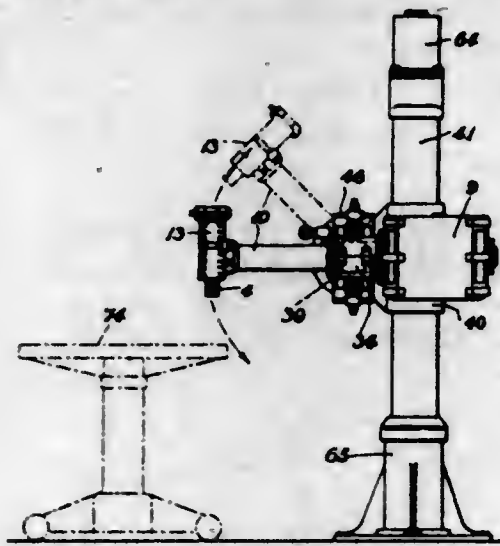
GRINDING MACHINE AND OTHER ROTARY ABRASIVE OR CUTTING MACHINES

Edgar Charles Fielding, Walsall, England
Application September 20, 1946, Serial No. 698,187
In Great Britain October 25, 1945

7 Claims. (Cl. 51—166)

1. A rotary abrasive or cutting machine comprising a grinding or cutting unit consisting of a driving shaft, a wheel-like member at one end thereof, an electric motor in driving connection with the other end, and a tubular housing enclosing the shaft and carrying the motor; a rotatable transverse shaft carrying the housing of said unit; a bearing supporting said transverse shaft at right-angles to the axis of the

unit; and an electric motor carried by said bearing and in driving connection with the trans-

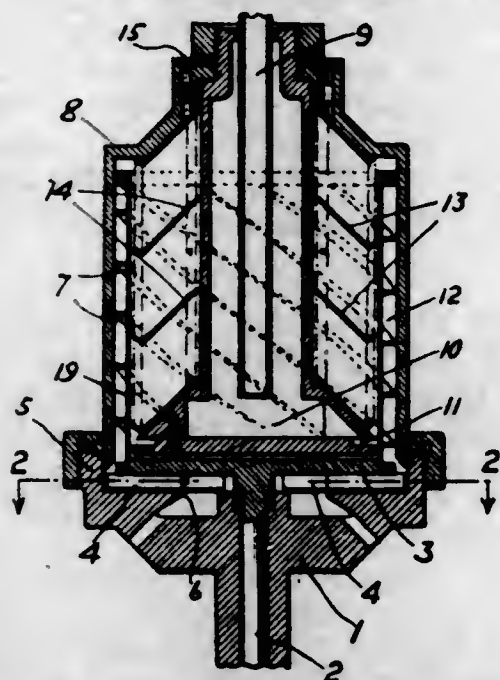


verse shaft, whereby the unit may be rotated in a vertical plane to any desired position therein.

2,435,623

CENTRIFUGES FOR SEPARATING FROM A LIQUID MATTERS SUSPENDED OR EMULGATED THEREIN

Erik August Forsberg, Nockeby, Sweden, assignor to Aktiebolaget Separator-Nobel, Stockholm, Sweden, a corporation of Sweden
Application March 3, 1943, Serial No. 477,824
In Sweden March 11, 1942
4 Claims. (Cl. 233-29)



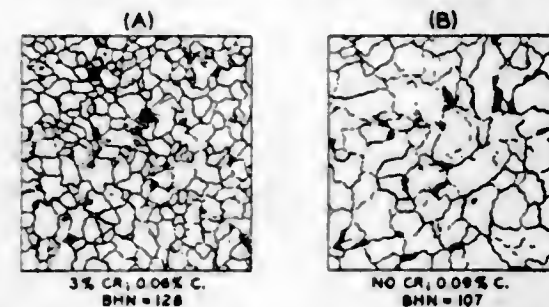
1. In a centrifuge for separating, from a mixture of solids and liquids, a heavier constituent comprising a liquid rich in solid particles and a lighter constituent comprising a liquid poor in solid particles, the same comprising a centrifugal bowl having discharge outlets for the light and heavy constituents, both outlets being located a substantial distance from the peripheral wall of the bowl and at such radial distance from the axis of rotation as to effect simultaneous discharge of both liquids, a shaft driving the bowl, a disc rotatable with the bowl shaft and spaced from the bowl bottom and providing a space to which the heavier constituent is conveyed and which communicates with the discharge outlet for the heavier constituent, a cylinder spaced from the bowl wall providing an annular chamber within which the separated heavier constituent is conveyed to the peripheral part of said space; vanes of a width approximating the width of said space extending within said space from the peripheral part of the bowl to and beyond the outlet for liquid rich in solid particles, and means, including a driving shaft, carrying said cylinder and vanes and rotatable in unison around and approximately concentric with the axis of and at

a different speed from that of the bowl, said vanes effecting a stirring of the material conveyed to said space to thereby keep the solid particles suspended in the carrying liquid, thus preventing agglomerating of the solid particles and insuring continuous flow and discharge thereof with the carrying liquid through the last named outlet.

2,435,624

WEATHER RESISTANT STEEL AND ARTICLES

Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
Application June 3, 1944, Serial No. 538,615
8 Claims. (Cl. 75-126)

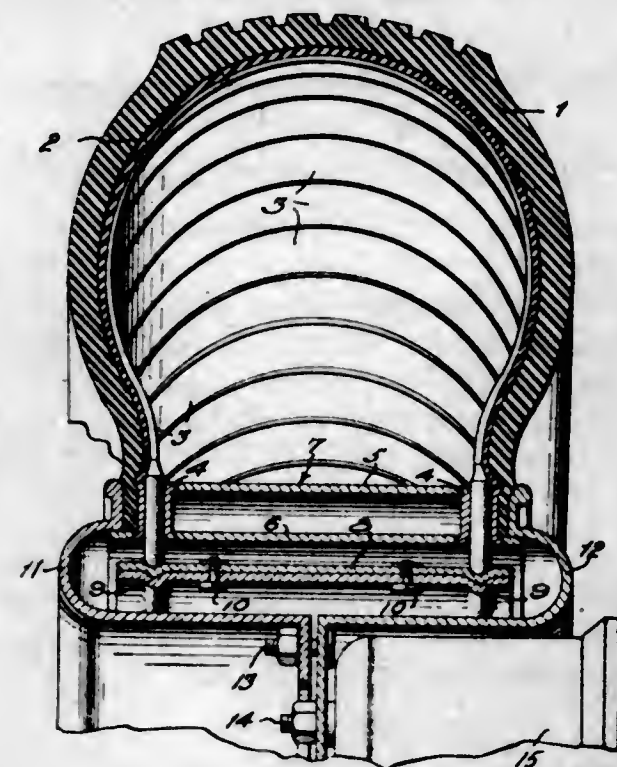


1. Weather-resistant mild steel substantially free from air hardenability, consisting substantially of chromium ferrite and chromium pearlite, and composed of 2.75% to 3.25% chromium, 0.01% to 0.08% carbon, 0.1% to 0.6% silicon, 0.1% to 0.6% manganese, remainder iron and incidental impurities.

2,435,625

RESILIENT WHEEL FOR VEHICLES

José Daniel García, Buenos Aires, Argentina
Application October 31, 1946, Serial No. 706,973
6 Claims. (Cl. 152-279)



2. A resilient wheel, including a flexible tire casing, a series of U-shaped springs having straight attaching portions, sectional annular supporting means having the attaching portions of the springs radially and slidably mounted therethrough, said supporting means being partly arranged within the casing in a manner to hold the springs against the inner surface thereof, a floating resilient ring positioned so that the outer projecting ends of the springs contact the outer surface thereof in order to simultaneously distribute the load on all of the springs, and means for removably clamping the casing and supporting means together and to a wheel felly and acting to loosely house the floating ring.

2,435,626

WINTERIZING OILS

Chester M. Gooding and John E. Rich, Staten Island, N. Y., assignors, by mesne assignments, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application May 29, 1942,

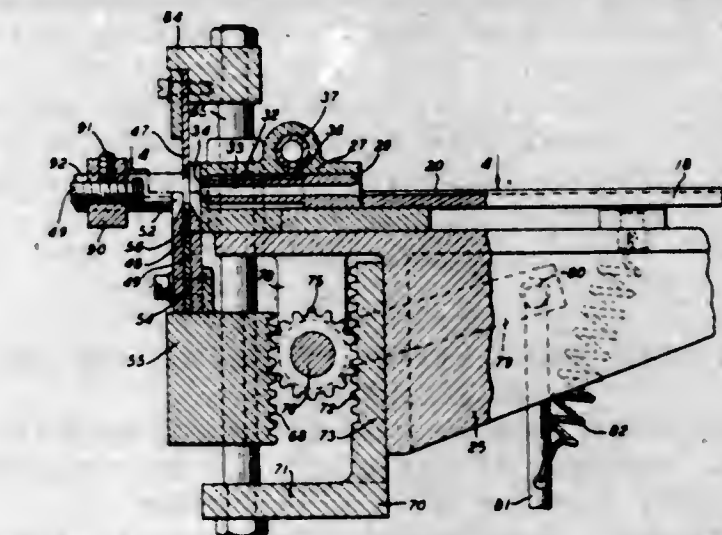
Serial No. 445,086

22 Claims. (Cl. 99-118)

1. A method for separating solid crystals from a glyceridic oil in which they are in solution, comprising adding to the glyceridic oil a crystallization modifying agent comprising lecithin which is soluble in the glyceridic oil and which reduces the solidification point of the glyceridic oil, chilling the glyceridic oil sufficiently to crystallize the solid crystals, and separating the glyceridic oil therefrom.

15. A vegetable oil of improved freeze resistance prepared by chilling a vegetable oil to crystallize a fraction thereof, separating the crystals, adding a vegetable lecithin to the oil fraction and chilling it to crystallize a further fraction thereof and separating the oil from the crystals.

operable material working element, means to operate the element relative to a plurality of paths leading toward the element, tunnels of various sizes for materials of various sizes forming



parts of the paths, and means to cause air under pressure to be directed to any selected one of the tunnels to cause a material to be moved through the selected tunnel relative to the element.

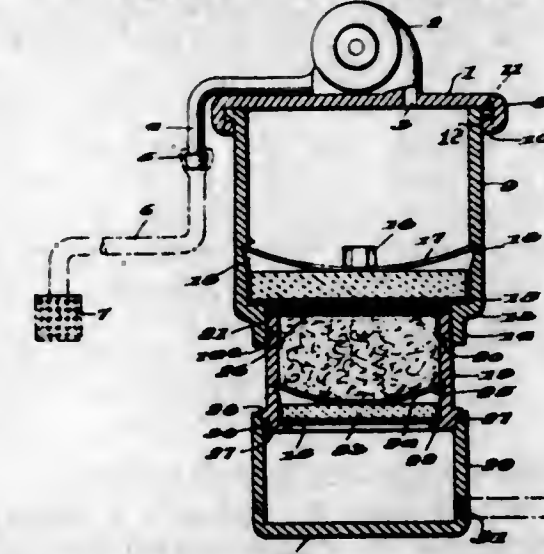
2,435,627

PORTABLE FILTER

James R. Grandin and Ernest F. Mechlin, Washington, D. C.

Application February 26, 1944, Serial No. 524,060

1 Claim. (Cl. 210-104)



In a collapsible filter assembly, the combination of a chamber open at both ends, a cover having an inlet port and interlockingly secured to one end of said chamber, a resilient gasket adjacent another end of said chamber, a porous disk seated upon said gasket and closing the associated end of said chamber, means interlocked with said chamber and urging said disk into tight engagement with said gasket, a second chamber open at both ends, one end of said second chamber being interlocked with an end of said first chamber, granular filter material within said second chamber, a yieldable gasket adjacent an end of said second chamber removed from said first chamber, a second porous disk seated upon said yieldable gasket, means interlocked with said second chamber and urging said second porous disk into tight engagement with said yieldable gasket, a third chamber having an outlet port and closed at one end only, and another end of said third chamber interlocked and communicating with said second chamber.

2,435,628

MATERIAL WORKING APPARATUS

Vincent G. Jarman, Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 23, 1944, Serial No. 555,554
14 Claims. (Cl. 164-48)

1. A material working apparatus comprising an

607 O. G.-18

2,435,629

PROCESSES OF COLOR PHOTOGRAPHY AND COMPOSITIONS AND ELEMENTS THEREFOR FOR UTILIZING SULFONAMIDE COLOR FORMERS

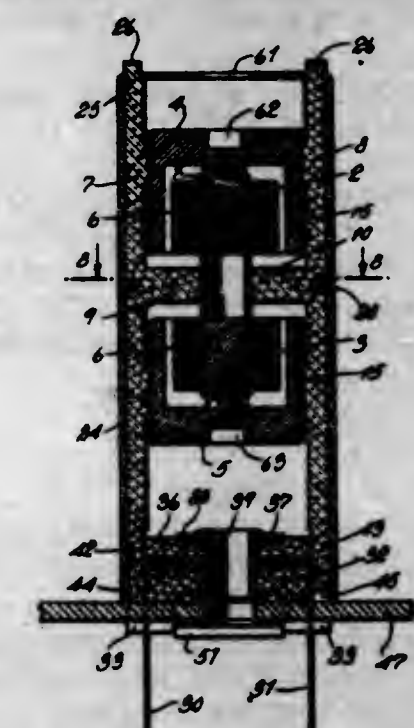
Andrew B. Jennings, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application April 16, 1943, Serial No. 483,333, now Patent No. 2,395,484, dated February 26, 1946. Divided and this application May 10, 1945, Serial No. 593,090
4 Claims. (Cl. 95-6)

2. A process of color photography which comprises developing a reducible silver salt image with an aromatic primary amino color developing agent in the presence of 4,4'-bis-(1-naphthol-2-sulfonamidophenyl) ether and removing the silver and silver salts.

2,435,630

TUNED TRANSFORMER ASSEMBLY

Lyman G. Ketcham, Kearny, N. J., assignor to Automatic Manufacturing Corporation, East Newark, N. J., a corporation of New Jersey
Application June 2, 1945, Serial No. 597,349
12 Claims. (Cl. 171-777)



1. A coil assembly of the character described, including a coil form, a coil enclosing said coil

form, a magnetic core having a portion enclosed by said coil form and mounted to afford adjustment of the extent of its penetration within the coil, said coil form projecting axially beyond one end of said coil, and a supporting frame having portions engaging the projecting portion of said coil form to hold said coil and coil form in position, said frame at least partially enclosing said coil and having portions engaging said core to position the latter with respect to said coil form and coil.

2,435,631

AUTOCONDENSATION PRODUCT OF AN ACID AMIDE

Eugene Lieber, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 26, 1942, Serial No. 459,754
16 Claims. (Cl. 252-51)

1. A relatively high molecular weight auto-condensation product of an acid amide having the general formula $R-CO-NH_2$, in which R is a hydrocarbon group selected from the class consisting of saturated aliphatic hydrocarbon groups having more than 2 carbon atoms, aliphatic olefinic radicals having carbon chains of more than 10 carbon atoms, mixed aromatic-aliphatic hydrocarbon groups and naphthenic hydrocarbon groups, said condensation product having a molecular weight of about 600 to 1600.

2,435,632

WET BULB FOR HYGROMETRIC MEASUREMENT

Charles A. Mabey, Woodbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application May 8, 1944, Serial No. 534,541
8 Claims. (Cl. 297-2)



1. A temperature-sensitive bulb for hygrometric measurement of an atmosphere, comprising a porous container adapted to have its exterior surface exposed to said atmosphere, a connection to the interior of the container for supplying thereto a vaporizable liquid to saturate the walls of the same, and an extended convoluted tube located within the container secured at one end thereto and providing a tubular chamber containing an expansible fluid, said tube being expansible for thermal contact with the inner surface of the container and having a portion extending through the wall of the container for connection to a fluid-pressure-measuring element, and granular material of high thermal conductivity retained in the container about the convoluted portion of said tube.

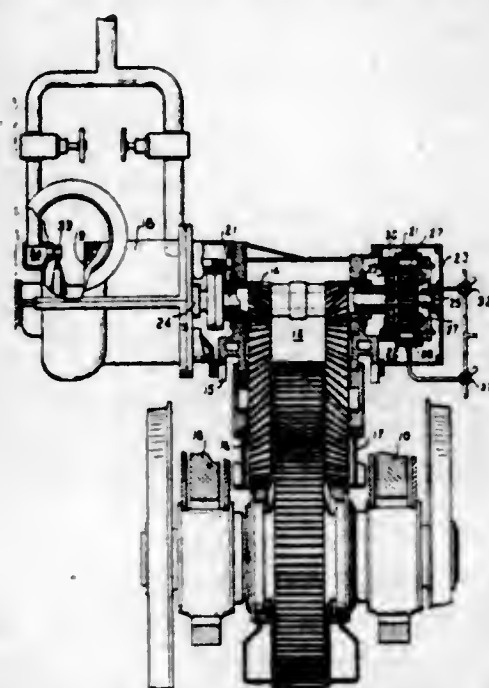
2,435,633

TWO-SPEED TRANSMISSION FOR LOCOMOTIVE TURBINES

John S. Newton, Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 18, 1946, Serial No. 677,541
3 Claims. (Cl. 105-38)

1. In a locomotive, the combination of a frame supported by axles including one or more driving

axles, a housing structure carried by the frame, reduction gearing for transmitting power to the driving axle or axles, said reduction gearing being rotatably supported by the housing structure within the latter and including a driving quill pinion, a reversible turbine supported by the housing structure in axial alignment with the pinion, a quill shaft driven by the turbine and extending through the quill pinion, a gear casing carried by the housing structure adjacent to the end of

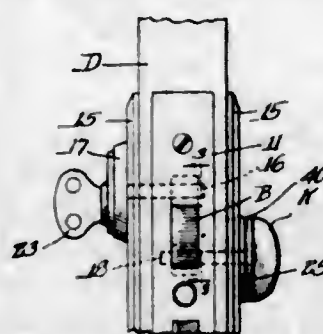


the quill pinion remote from the turbine, a sun gear within the casing and carried by the quill shaft, an orbit gear within the casing, planet pinions meshing with the sun and orbit gears, a carrier for the planet pinions connected to the quill pinion, a clutch operative to connect the orbit gear and the carrier, a brake operative to clutch the orbit gear to the casing, and means providing for connection of the clutch and release of the brake and vice versa.

2,435,634

DOOR LOCK ATTACHMENT

George Nicolin and Roy A. Hansen, Chicago, Ill.
Application October 23, 1946, Serial No. 705,182
4 Claims. (Cl. 70-129)



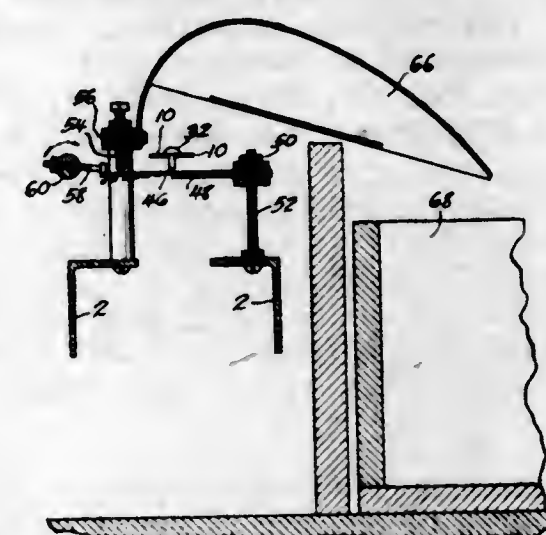
1. A deadlock in which is comprised a rotatable operating spindle, an escutcheon plate having a hole through which the spindle is extended, a disk upon the outer face of the plate having a collar extended therethrough in surrounding relation to the spindle, a nut secured to the collar in engagement with the inner face of the plate and adapted to bear thereagainst with pressure to secure the disk immovably upon the outer face of the plate, a compression spring coiled around the spindle having one end engaging therewith and the other engaging the collar-nut assembly for exerting thereon a thrust force tending reactively to shift the spindle inwardly endwise of itself, a knob affixed non-rotatably to the spindle outer end having a base opposite the disk and adapted in opposite endwise positions of the spindle to produce engagement and disengagement between the base and disk, and a pin extended laterally

from the base toward the disk adapted to enter a hole therein when the base is in a predetermined rotative position relative to the disk to lock the spindle against key-operation.

2,435,635

APPARATUS FOR CONVEYING AND SORTING HEADED ARTICLES IN ACCORDANCE WITH LENGTH OF SHANK

Otto C. Niederer and Herbert O. Niederer, Titusville, N. J.
Application April 21, 1943, Serial No. 483,960
5 Claims. (Cl. 209-91)

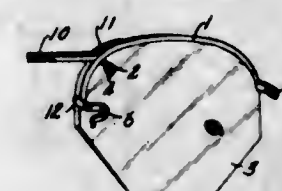


1. Sorting mechanism comprising parallel conveyors, means for arranging headed articles at variously spaced points along the conveyors with their shanks extending downward between the conveyors, ejecting means located at different predetermined distances below the conveyors and at successive points along the path of movement of said conveyors, means for moving said conveyor continuously past each of said ejecting means, and means at said points for moving said ejecting means vertically to engage the articles and move them upward from the conveyors.

2,435,636

SEMI-RIMLESS OPHTHALMIC MOUNTING

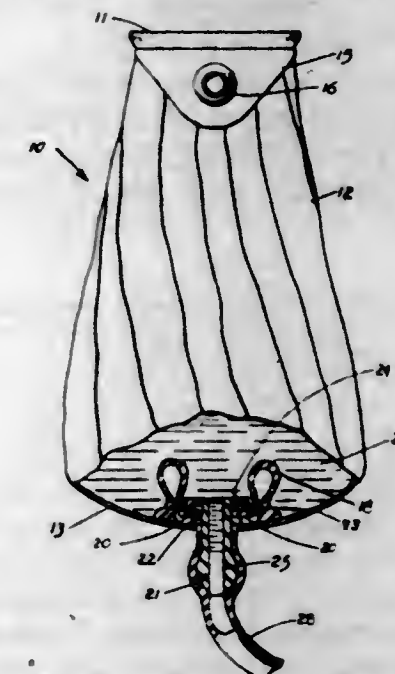
Louis John Page, Hollis, N. Y.
Application December 27, 1943, Serial No. 515,835
3 Claims. (Cl. 88-47)



1. In an ophthalmic mounting, a lens, an arcuate arm having a radially attached lug, said arcuate arm being disposed at the rear of and adjacent the edge of said lens and following a portion of the contour thereof, means attaching said lens to said lug, a bridge, said bridge being attached to said arcuate arm and extending along said arcuate arm on the temporal side of said lug, said bridge having a portion overlying the edge of said lens on the temporal side of said lug, a nose pad support member, said member being attached to said arcuate arm at a spaced distance along said arcuate arm from said lug and on the nasal side thereof, said member having a portion overlying the edge of the lens, said bridge portion and said member portion overlying the edge of said lens being urged into engagement with the edge of the lens by said arcuate arm.

2,435,637 COMBINED ICE BAG AND FOUNTAIN SYRINGE

Wolf Sevush, Brooklyn, N. Y.
Application November 27, 1946, Serial No. 712,523
5 Claims. (Cl. 128-227)

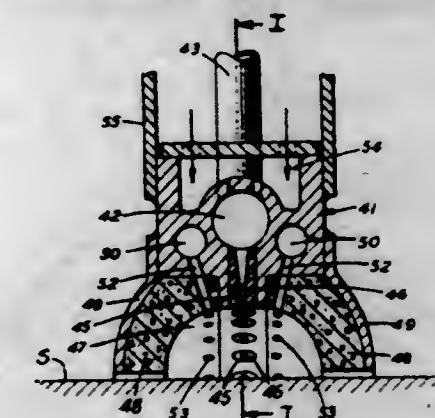


1. A combined ice bag and fountain syringe comprising the combination with ice bag means comprising a rigid neck portion and thin, flexible, waterproof sheet material fastened thereto to constitute a bag body, of nipple means fastened interiorly to said body and normally located inside said neck portion and movable to a position of extending through the bottom of said bag body for the attachment of a rubber hose or the like.

2,435,638

SHROUDED ELONGATED HEAD MULTI-NOZZLE BURNER

Albert Edward Shorter, Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application November 28, 1944, Serial No. 565,527
In Great Britain December 15, 1943
1 Claim. (Cl. 158-27.4)



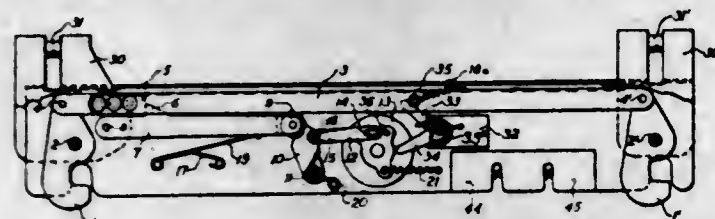
A burner comprising an elongated head having a longitudinally extending fuel gas distribution chamber, a skirt secured to the head, refractory material housed in said skirt and providing a shrouded longitudinally extending combustion space, a row of nozzle inserts in said head having fuel gas orifices for delivering gas from said fuel gas distribution chamber to said combustion space, said head having two combustion supporting gas distribution chambers extending parallel to the fuel gas distribution chamber on either side thereof, said burner having ducts leading from said combustion supporting gas distribution chambers to said combustion chamber, said ducts being inclined toward the center of said combustion chamber and arranged in rows on either side of the fuel gas orifices, an end plate provided at each end of the head for

closing the longitudinally extending chambers and combustion space, and refractory blocks lining said end plates to complete the refractory shroud for the combustion space.

2,435,639

BOMB RACK

Oliver L. Stockton, Manhattan Beach, Calif., assignor to North American Aviation, Inc.
Application April 3, 1944, Serial No. 529,296
3 Claims. (Cl. 89-1.5)

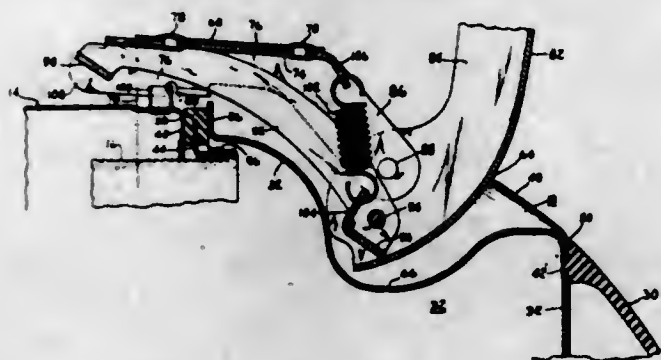


1. A bomb shackle comprising a support, a pair of bomb-supporting hooks pivoted thereon and adapted for movement to bomb-releasing position by the weight of the bomb supported thereby, means inter-connecting said hooks for movement in unison, latching means cooperating with said inter-connecting means and spring biased toward a position latching said hooks in bomb-supporting positions, a solenoid having an armature, means carried by said armature adapted in the de-energized position thereof to coact with said latching means to lock the latter against unlatching movement, and means having a lost-motion connection with said solenoid first permitting said locking means to release said latching means and then operating upon said latching means to release the latter for unlatching said bomb-supporting hooks.

2,435,640

CLOSURE FASTENER FOR SUCTION CLEANING APPARATUS

Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 12, 1944, Serial No. 539,831
4 Claims. (Cl. 220-55)



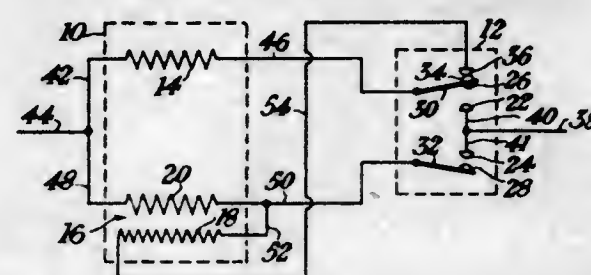
1. In a suction cleaner, an elongated casing adapted to contain air moving means and air filtering means and having a rim defining an end opening, a cap for closing said opening, said cap including inner and outer members adapted to engage said rim, a portion of said outer member adjacent said rim being drawn to form a housing extending outwardly of the wall of said casing, there being an opening in said outer member in alignment with, and longitudinally spaced from, said housing, the portion of said inner member registering with said opening being depressed to form a recess, a supporting bracket carried by, and disposed within, said housing and having an end thereof extending through said opening into said recess, an operating handle having one end thereof pivoted to said end of said bracket, a stop carried by said casing adjacent said rim, and a latch member disposed in said housing and hav-

ing one end thereof pivoted to the pivoted end of said handle and the other end thereof adapted to engage said stop, the pivoted ends of said handle and said latch member being movable in said recess, said handle and said latch member being so related that, in one position of said handle, said latch member engages said stop, and, in another position of said handle, said latch member is out of engagement with said stop.

2,435,641

ELECTRIC HEATING SYSTEM FOR COOKING APPLIANCES

Victor Weber, Greensburg, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application June 29, 1944, Serial No. 542,682
3 Claims. (Cl. 219-20)

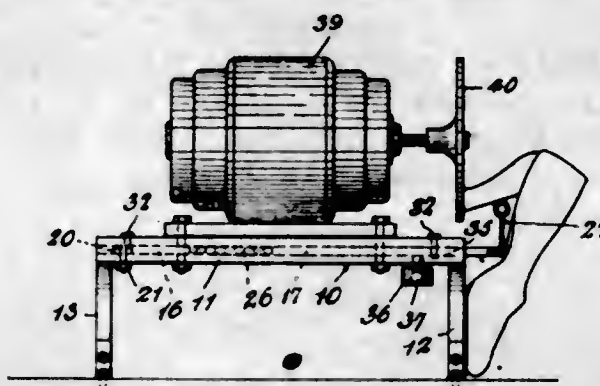


1. In an electric circuit for cooking appliances having a source of electric power, the combination of a multi-part baking element, a broiling element, and switching means arranged in one position thereof to connect both said elements to the source, in another position thereof to connect only one part of said multi-part element and said broiling element to the source in parallel, and in a third position to connect only said broiling element to the source.

2,435,642

HEEL SANDER

Donald Bates, Baker, Oreg.
Application November 22, 1946, Serial No. 711,749
2 Claims. (Cl. 51-238)



1. A heel surfacing device comprising a base, said base having a pair of guide-ways arranged in superposed relation, the lower guide way being of narrower width, a plate adjustably fixed in said last named guide way, said plate having a forwardly extended tongue, a second plate in said guideway in advance of the first plate and having an open ended slot for receiving said tongue therein, spring means between adjacent ends of said plates urging said named plate outwardly of said guide way, means for locking said second named plate in an adjusted position, against the tension of said spring means, a driven grinding disk mounted upon said base, the latter including respective end walls one of which is in vertical alignment with the outer face of the grinding disk, and a heel support carried on the outer end of the second named plate adapted to position a heel of a shoe against the grinding disk and the ball portion of the sole of a shoe against the adjacent end wall of the base.

2,435,643

METHOD OF MOLDING FLEXIBLE PATTERNS

Morris Bean, Yellow Springs, Ohio
Original application August 1, 1940, Serial No. 349,032. Divided and this application May 18, 1943, Serial No. 487,527
4 Claims. (Cl. 18-55)

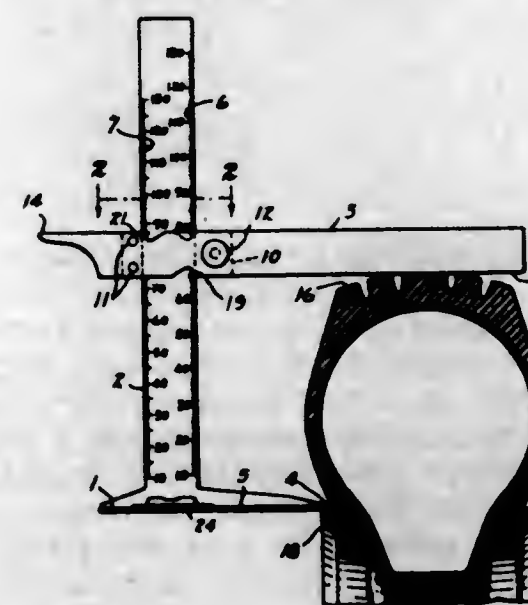


1. The method of making a pattern of a flexible resilient thermo-plastic which comprises forming a rigid negative impression mold with a face adapted to form the molding face of the pattern and to adhere yieldably thereto, forming a complementary rigid mold part with a surface adapted to form the back of the pattern, applying on said back-mold surface a thin covering adapted to hold the thermo-plastic material substantially less strongly than said face of the negative impression mold, whereby contraction of the material upon cooling is accommodated substantially entirely by retraction from said back mold surface, assembling said molds to form a cavity corresponding substantially to the desired pattern, injecting said thermo-plastic in a heated fluent condition into the cavity and solidifying the thermo-plastic therein by cooling.

2,435,644

GEOMETRICAL MEASURING MEANS FOR DETERMINING INFLATION PRESSURE OF LOADED PNEUMATIC TIRES

Joseph A. Beckett and Stephen S. Berry, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 14, 1943, Serial No. 486,988
7 Claims. (Cl. 33-169)



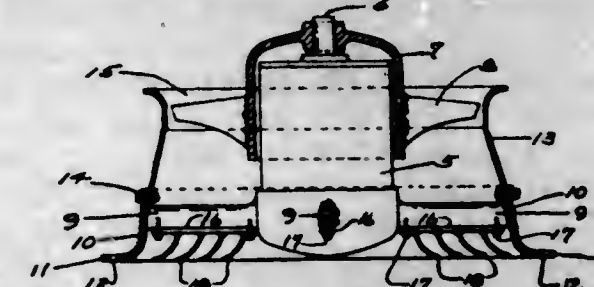
1. An instrument for use in determining the proper inflation pressure for pneumatic tires in service on motor vehicles provided with a measuring means comprising relatively movable tread and rim-engaging elements having a graduated scale associated therewith by which the radial depth of an undeflected portion of a tire may be ascertained, and an indicating means comprising relatively adjustable rim and ground-engaging elements adapted to indicate the radial depth of the deflected portion of the tire upon which the load is imposed, the latter elements having a

graduated scale associated therewith for indicating adjustments thereof to spacings which are in a predetermined ratio to the measured radial depth of an undeflected portion of the tire.

2,435,645

AXIAL FLOW FAN

Carl O. Bergstrom, Boston, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application August 23, 1945, Serial No. 612,193
1 Claim. (Cl. 230-259)

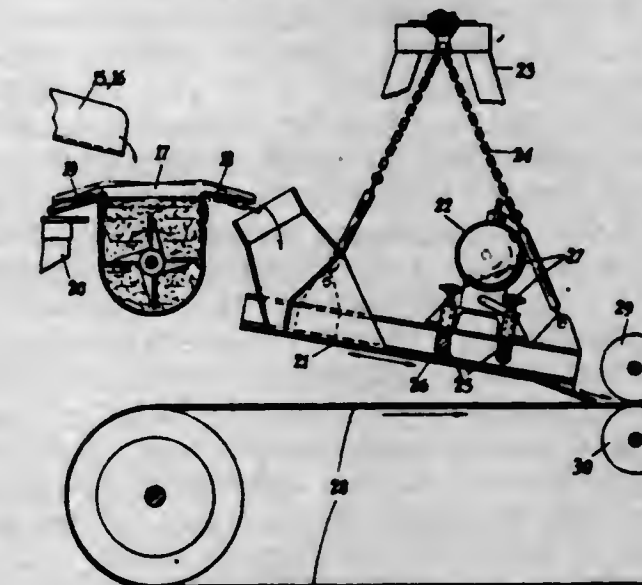


An axial flow fan having an upright casing with an upper axial inlet and a lower axial outlet, said casing at a said outlet having a flange extending perpendicular to the axis of the fan and having apertures therethrough for receiving bolts for supporting said flange to a ceiling around a circular opening therein, a motor for driving said fan having its rotary shaft extending axially within said casing, a plurality of arms extending radially from the lower portion of said motor and attached to said casing adjacent said outlet for supporting said motor therefrom, a plurality of spaced deflector vanes attached to the lower surfaces of said arms, said vanes curving outwardly from said arms towards said flange and terminating substantially flush with the plane of the lower surface of same, a hub attached to said shaft and encircling the upper portion of said motor, and a plurality of axial flow fan blades attached to said hub within said inlet.

2,435,646

PROCESS AND APPARATUS FOR THE MANUFACTURE OF ASBESTOS-CEMENT PRODUCTS

John Arthur Cann, Bickley, England, assignor to Turner & Newall Limited, Spotland, Rochdale, England, a British company
Application May 23, 1941, Serial No. 394,905
In Great Britain May 27, 1940
7 Claims. (Cl. 92-66)



1. A method of forming a laminated fiber-cement product comprising mixing fibers, a hydraulic binding agent and water to provide a wetted fiber-cement material of predetermined composition and creamy consistency with the proportion of water in the range between 1.33 and 6.66, forming the said creamy mixture into a con-

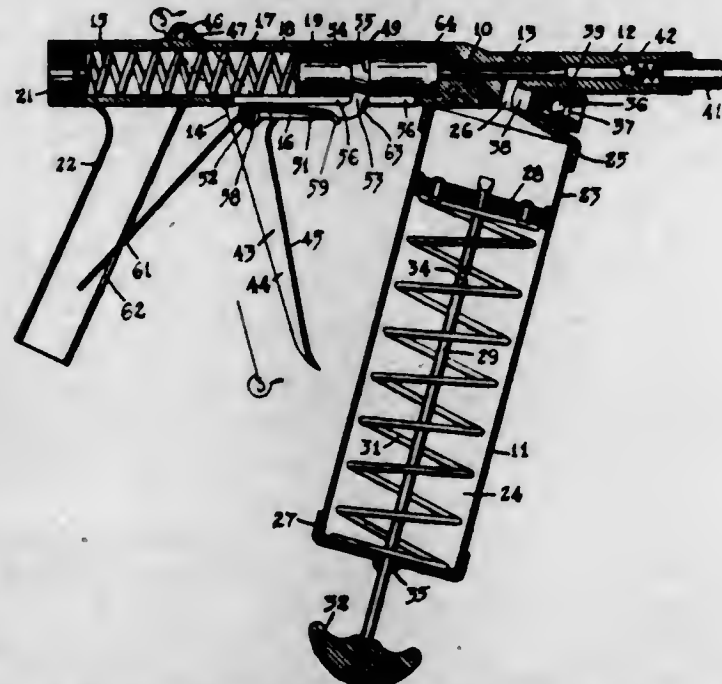
tinuous stream, reducing said stream to an even thin film and carrying said film forward on a continuous travelling surface, subjecting the film on said surface to a suction action thereby withdrawing most of the water to correspondingly reduce the proportion thereof in the film, subsequently progressively picking up said film from said surface by a rotary member and continuing the winding of said film on said member to accumulate successive layers of said film in face to face contact to form a laminated body of desired thickness, and stripping said resultant body from said rotary member.

6. In apparatus for forming a laminated fiber-cement product the combination with means for flowing a creamy mixture of wetted fiber-cement in flat, stream form onto and along an inclined pan, means associated with said pan reducing the flowing stream to a uniform thin film flowing over the lower edge of said pan, an endless travelling belt receiving said uniform thin film directly from said pan, a suction device for drawing water from said film on said belt, and a rotary cylinder device picking said film from said belt and accumulating it in a series of laminations to desired thickness.

2,435,647

GREASE GUN

Martin O. Engseth, Minneapolis, Minn.
Application February 21, 1945, Serial No. 579,039
10 Claims. (Cl. 103-153)



2. In a grease gun, a body having a bore therein providing a cylinder, means for directing lubricant into said bore, a second bore in said body concentric with said first bore and of larger dimensions, a piston slidable along said cylinder, a plunger attached to said piston and slidable along said second bore, a plug in the end of said second bore, a compression coil spring acting between said plug and plunger for urging said piston for movement along said cylinder, said body having a slot therein communicating with said second bore, retracting means operable through said slot for retracting said piston and plunger and compressing said spring and releasing means for releasing said piston and said plunger from engagement with said retracting means.

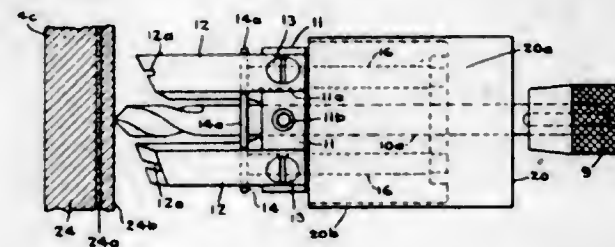
2,435,648

HOLE CUTTER

Bart W. Frevel, Minneapolis, Minn.
Application August 27, 1945, Serial No. 612,775
9 Claims. (Cl. 77-69)

1. A hole cutter having in combination, a central bit having an extended shank adapted to be

rotated by a suitable means, a cutter secured to said bit and comprising annularly arranged circumferentially spaced blades extending longitudinally of said bit, a member movable longitudinally of said bit and disposed between said blades, resilient means urging said member rearwardly longitudinally of said shank and blades, a

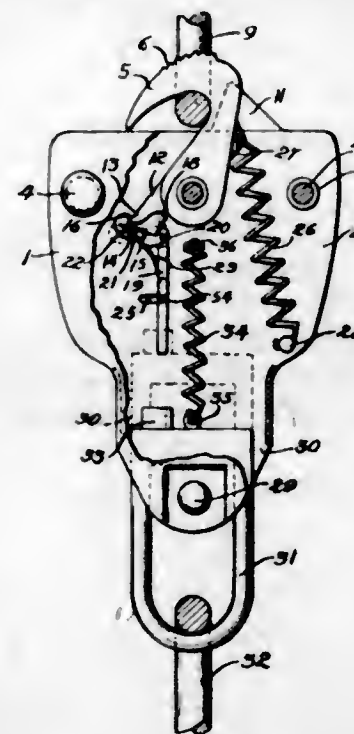


second member having a weighted portion journaled on and carried on said shank and slidable longitudinally thereof, the same being adapted to strike a blow on said first mentioned member, said second member having a shell portion movable over said blades and having a periphery adapted to be grasped by the operator.

2,435,649

AUTOMATIC PARACHUTE RELEASE

Robert Emmert Gray, Tacoma, Wash., assignor of twenty-five per cent to Walter Augustus Gray, Jr., Tacoma, Wash.
Application May 1, 1946, Serial No. 666,480
8 Claims. (Cl. 294-83)



4. An automatic parachute release device including a body having spaced side plates, a parachute engaging hook pivotally supported between the upper ends thereof, opposed hook cleaning ears formed on the upper ends of said side plates, resilient means for retracting said hook, a slidable shackle in the lower end of said body, a lock catch member for holding said hook in set position, a lock catch trip arm connected with said lock catch member, guide means for said lock catch trip arm, and resilient tensioning means for holding said lock catch trip arm in set position.

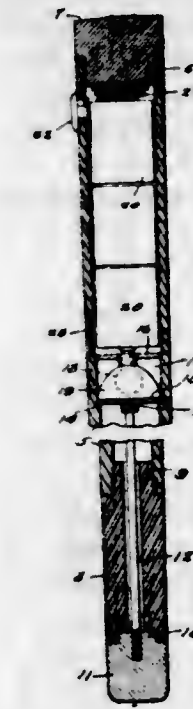
2,435,650

ILLUMINATED WALKING STICK

John H. Greene, Little Rock, Ark.
Application January 16, 1946, Serial No. 641,544
2 Claims. (Cl. 240-8.42)

1. An illuminated walking stick, comprising a main hollow section and a tip section, a translucent section formed with an axial bore and being of a distinctive color, a disk formed with

openings mounted within the main hollow section at one end of the translucent section, a rod connected to the disk and tip section securing the sections of the walking stick together, said rod passing through the bore of the translucent section and being of a diameter appreciably less than

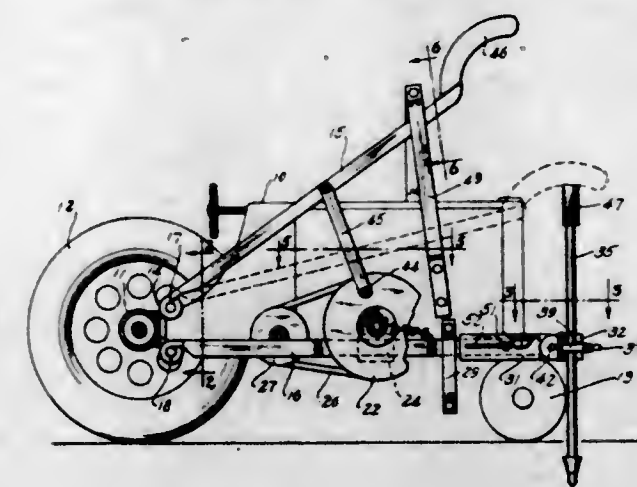


the diameter of the bore, thereby to provide a light passageway around the rod, and an electric lamp mounted above the disk and adapted to direct light rays through the openings of the disk and light passageway, illuminating the translucent section of the walking stick.

2,435,651

FENCE POST DRIVING DEVICE

John R. Huber, Williamsfield, Ill.
Application November 1, 1946, Serial No. 707,082
3 Claims. (Cl. 61-74)

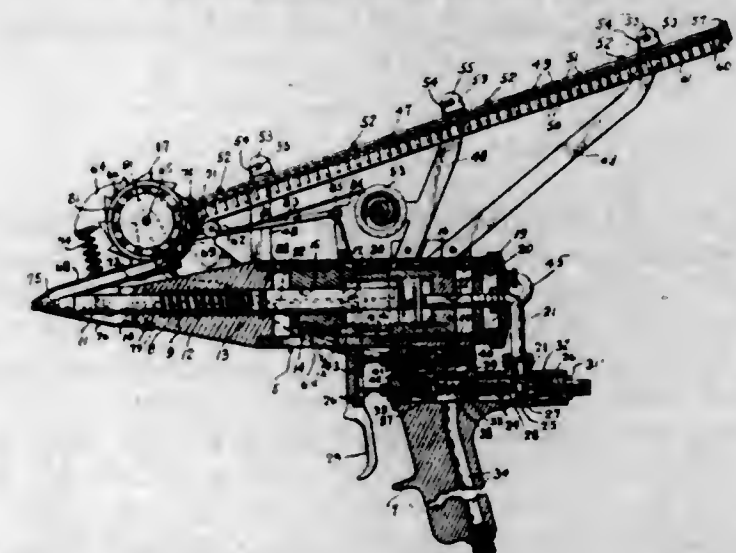


1. A tractor mounted post driving device comprising a bracket adapted to be connected to the rear axle structure of a tractor, a post supporting bar hinged to the lower portion of the bracket and extending forwardly along the side of the tractor, a post driving member pivoted to the bracket above the post supporting member, guiding bracket means secured to the side of the tractor for guiding the vertical pivotal movement of the respective members, said post supporting member having means on its outer end adapted to be releasably connected to a post, a crank pivoted upon the post supporting member, a connecting rod extending between the crank and the post driving member whereby as the crank is rotated the driving member will be brought to bear against the top of the post held by the post supporting member, and drive means extending from the crank and adapted for connection with the power takeoff of the tractor whereby the rotation of the crank will be effected.

2,435,652

RIVETING MACHINE

Arthur F. Koehler, Yuma, Ariz.
Application June 11, 1943, Serial No. 490,542
3 Claims. (Cl. 121-9)

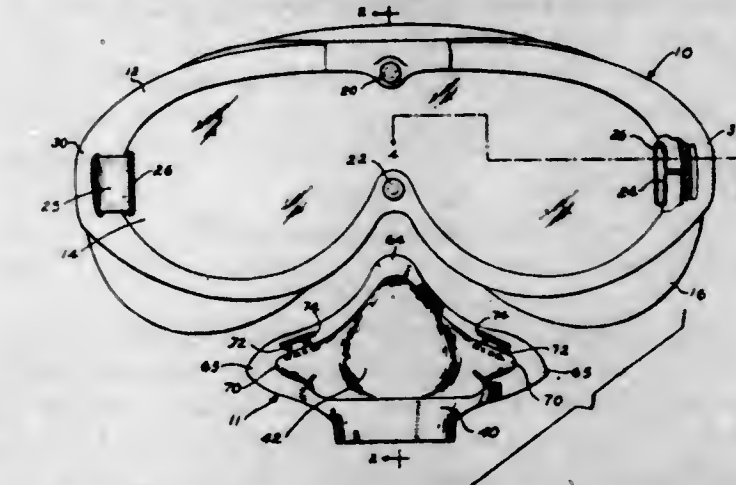


3. An air gun comprising a cylinder, interengaged pistons therein, a hammer integrally formed with one piston, pneumatic actuating means for each piston, and a single trigger control means for said pneumatic means.

2,435,653

GOGGLE

Frank W. Maurer, Newton Highlands, Mass., assignor to H. L. Bouton Company, Buzzards Bay, Mass., a copartnership consisting of Frank W. Maurer and Jack B. Hirschmann
Application August 31, 1945, Serial No. 613,911
10 Claims. (Cl. 128-141)

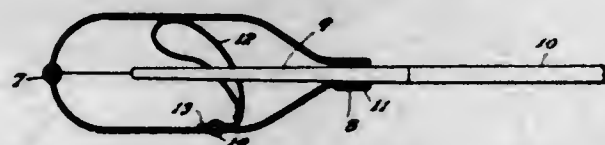


1. A goggle of the character described comprising, in combination, a main frame including a rim portion adapted to hold a lens and a face-engaging portion extending rearwardly from said rim and adapted to cooperate with such lens to define an eye chamber sealed from the nose of the wearer of said goggle, said frame having a plurality of ports therein communicating with the outside atmosphere, a supplemental frame separate from said main frame and defining a chamber enclosing the nose of said wearer, said supplemental frame including a portion adapted to engage the face of said wearer to seal said nose chamber from the outside atmosphere and from said eye chamber, said supplemental frame having a port therein providing communication from the outside atmosphere to said nose chamber, means for securing said supplemental frame to said main frame with said port in said supplemental frame in register with one of said ports in said main frame to receive gas from said eye chamber, said securing means being constructed to provide for attachment and detachment of said supplemental frame relative to said main frame, and valve means positioned to permit the passage of gas through said registering ports into said nose chamber but preventing the passage of gas from said nose chamber to said eye chamber.

2,435,654

TOOL HANDLE

Frank P. Pleva, Thompsonville, Conn.
Application October 24, 1944, Serial No. 560,094
4 Claims. (Cl. 279-102)



1. A tool handle of the character described comprising a casing constructed of two halves hinged together at the rear of the handle, means at the front of the handle for receiving the shank of a tool, and a looped spring member secured to one of said halves and having openings for receiving a shank of a tool inserted into said handle; the said spring means being adapted, upon the closing of said handle, to clamp onto the shank and draw said shank inwardly into the handle.

2,435,655

LUBRICANT

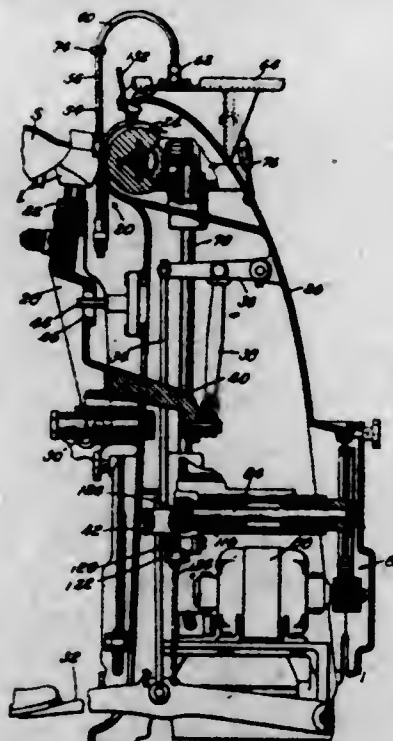
Herbert D. Rhodes, Tucson, Ariz., George F. Rouault, Whiting, Ind., and Claron N. White, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application June 29, 1944,
Serial No. 542,816
3 Claims. (Cl. 252-51.5)

1. An oxidation stable and rust inhibiting hydrocarbon oil composition comprising a hydrocarbon oil normally susceptible to oxidation and lacking rust inhibiting properties and in combination therewith from about 0.001% to about 0.1% of a beta-naphthol, from about 0.001% to about 3% of N-phenyl-alpha-naphthylamine, from about 0.0005% to about 0.5% stearic acid, and from about 0.0005% to about 1% naphtho-hydroxamic acid.

2,435,656

LAST PULLING MACHINE

Fred Ricks and Reginald Boyd Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 11, 1945, Serial No. 634,260
In Great Britain January 31, 1945
7 Claims. (Cl. 12-15.1)



5. A machine for effecting relative movement between a shoe and a last, comprising a support for a last with a shoe thereon, a driven roll,

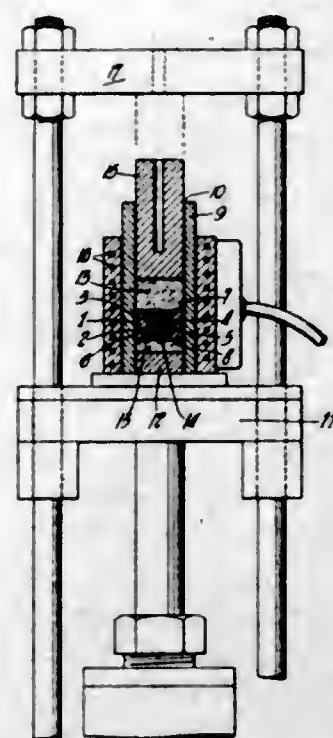
means for moving the last support toward the roll, a friction tool in the form of a metal plate covered on each side with friction material, said friction tool being constructed and arranged when pressed against the roll by the shoe to be moved by the roll and through frictional engagement with the shoe to move the shoe relatively to the last, a pair of parallel guide rods on which said friction tool is slidably mounted for movement caused by the roll, U-shaped extensions of said guide rods adapted to serve as springs which hold the guiding portions of the rods normally in a position wherein the friction tool is out of contact with the roll and which yield to the pressure of the shoe and thereby permit the shoe to press the friction tool against the roll, and a support for said U-shaped extensions.

6. In a machine of the roll type for separating a shoe from a last on which the shoe is mounted, a friction tool in the form of a metal plate padded on both sides with frictional material of rubber-like character, a pair of parallel rods having straight guiding portions and U-shaped spring portions, a support for the U-shaped portions of said rods, said friction tool being slidably mounted on the guiding portions of said rods and being normally held out of contact with said roll by the spring portions of the rods, said spring portions being yieldable to permit the shoe to press the friction tool against the roll, whereupon the friction tool will be moved along the guiding portions by the roll and will, in turn, move the shoe relatively to the last.

2,435,657

INSPECTING WIRE DRAWING DIE

Robert Henry Saviers, Morrisville, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 15, 1944, Serial No. 554,304
2 Claims. (Cl. 18-55)



1. A method of inspecting the die hole of a wire drawing die, said die having a shell with a cylindrical outer surface, the shell mounting an insert in which the die hole is formed concentric with the outer surface of the shell, the die hole having a constricted bearing section inwardly of the ends thereof, said method comprising inserting a separator to which thermoplastic resin is non-reactive completely across the die hole constricted bearing section, placing the die in a mold having a cylindrical bore closely fitting the outer cylindrical surface of the shell, the die being placed in the mold intermediate the ends of such mold, inserting thermoplastic resin in

the mold at both ends of the die in amounts more than sufficient to fill the respective ends of the die hole, applying pressure and heat to such resin by means of surfaces at right angles to the bore of the mold to force the resin against the die ends and into the die hole, to make an impression of the die hole that is separable into two parts for removal, because of said separating material, releasing such pressure, removing the die from the mold, and removing the two plastic impressions when solidified axially from the die hole.

2,435,658

ILLUMINATED DISCHARGE EFFECTS UPON ACETATE FABRICS

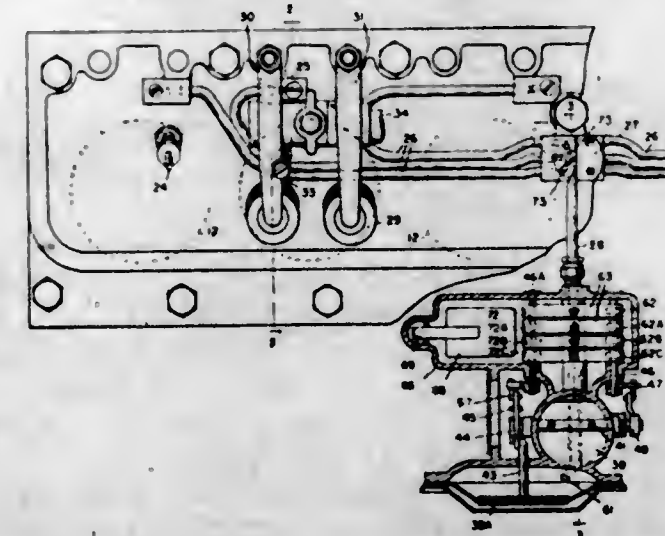
George W. Seymour, George C. Ward, and Robert L. Hunter, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 19, 1944,
Serial No. 545,731
10 Claims. (Cl. 8-64)

1. Process for the production of illuminated discharge effects upon an organic derivative of cellulose textile material dyed in a dischargeable azo ground color, which comprises locally applying to said organic derivative of cellulose textile material in a predetermined pattern a discharge printing paste comprising a discharge agent of acid reaction, an illuminating color comprising the sulfuric acid ester of a leuco vat dyestuff and an oxidizing agent for developing said leuco vat dyestuff which is activated upon acidification, discharging the ground color and developing the vat color to the final shade in an acid medium.

2,435,659

INTERNAL-COMBUSTION ENGINE

Caleb E. Summers, Orchard Lake, Mich.
Original application July 24, 1940, Serial No. 347,254, now Patent No. 2,314,175, dated March 16, 1943. Divided and this application February 6, 1943, Serial No. 474,919
13 Claims. (Cl. 123-119)

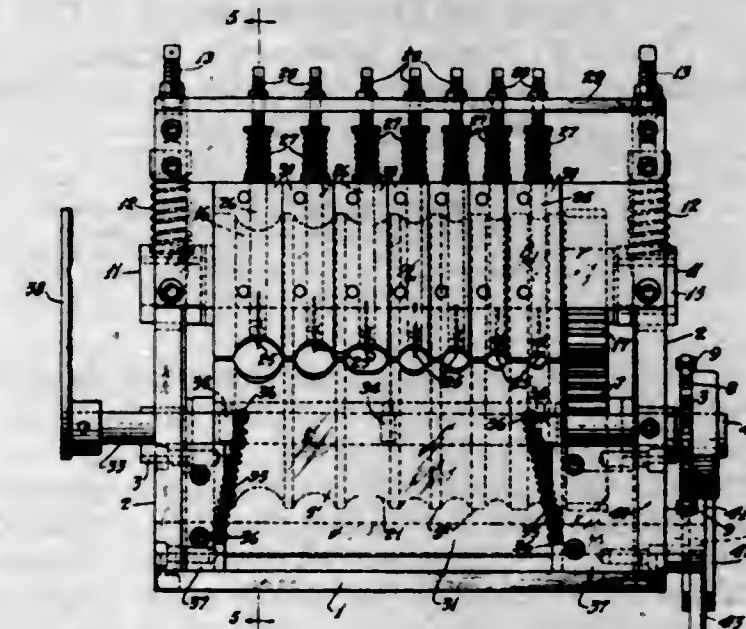


1. In an internal combustion engine a primary and a secondary combustion chamber, separate means for feeding fuel mixture to said chambers, an air inlet conduit opening into the secondary chamber, a main throttle valve for controlling air flow to said secondary chamber, an auxiliary throttle actuable by the main throttle for controlling flow of fuel mixture to the primary chamber, auxiliary air valves in said air conduit, means for positioning the latter valves in accordance with the difference in air pressure outside and inside of said conduit, means by which flow of fuel mixture to the secondary chamber is controlled by the position of both the main throttle valve and the auxiliary air valves.

2,435,660

CABLE STRIPPING DEVICE

Clarence A. Tleston, Glen Rock, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 23, 1945, Serial No. 606,691
10 Claims. (Cl. 164-39)

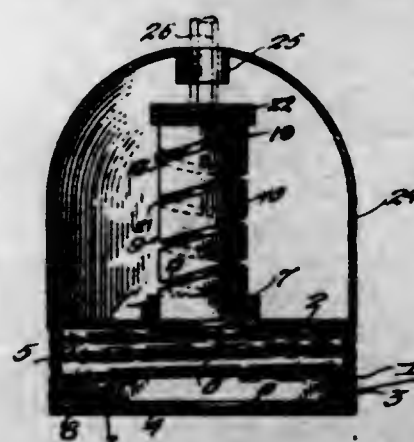


1. In a device for stripping a cable, a frame, three parallel wheels mounted on said frame, means for urging two of said wheels toward the third of said wheels, one of said two wheels together with said third one forming a first pair of wheels adapted to serve as a guide for the cable and the other of the two wheels together with said third wheel forming a second pair of said wheels adapted to serve as a feed guide for the layer stripped off the cable, and a knife member mounted in front of the said first pair of said wheels and adapted for splitting a layer of the cable to be stripped off.

2,435,661

PENCIL SHARPENER

Carl C. Weathers and Francis H. McMichael, Wichita, Kans.
Application June 25, 1946, Serial No. 679,249
2 Claims. (Cl. 120-96)



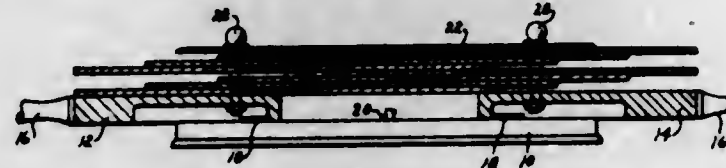
1. In a pencil sharpener, a base forming receptacle having a top provided with an entrance aperture therein, a sharpening unit comprising a hollow cylinder upstanding from said top coaxially with said aperture and provided with a helical slot therein, a hollow plunger slidably and rotatably fitted in said cylinder, for movement downwardly therein from a normal position in the upper end of the cylinder, abrading jaws in said plunger grouped around the axis of the same and having inner abrading faces converging downwardly relatively for sharpening the end of a pencil thrust downwardly against the same to thrust said jaws and plunger downwardly, means securing said jaws in said plunger and extending through said slot for co-action therewith to cause the plunger to rotate upon downward movement thereof, and spring means in said cylinder

yieldingly maintaining said plunger in said normal position, said plunger being open at the bottom thereof to permit cuttings to fall into the cylinder to drop through said aperture into the receptacle.

2,435,662

CARD DEALING DEVICE

Louis F. Weber, Worcester, Mass.
Application November 18, 1944, Serial No. 564,003
8 Claims. (Cl. 273-149)

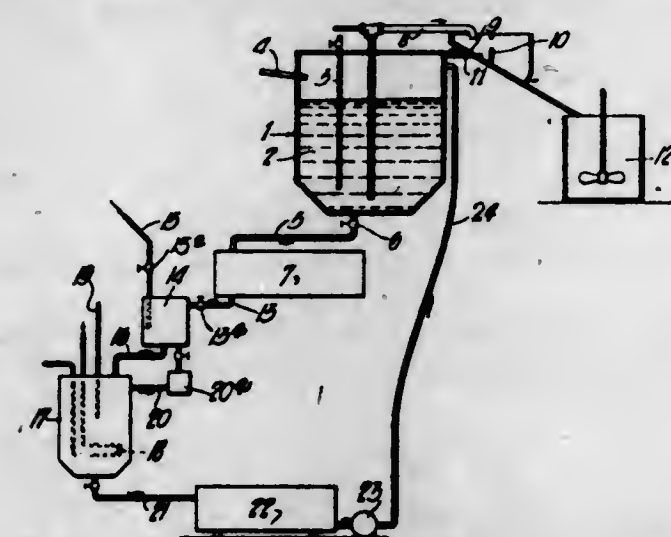


2. A card dealing device of the class described comprising a plurality of strips each equal in thickness to that of a playing card, there being a strip for each card in the deck, notches in the strips for receiving the cards, means to relatively rectilinearly slide the strips unequal distances according to the number of hands to be dealt, and means to stop the sliding movement of each strip at a predetermined point.

2,435,663

PROCESS FOR RECOVERING PYRIDINE

Joseph H. Wells and Philip J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie Illinois Steel Corporation, a corporation of New Jersey
Application July 12, 1945, Serial No. 604,596
6 Claims. (Cl. 260-290)



1. The process of recovering pyridine compounds from vaporous products produced in the distillation of bituminous coal in by-product coke plants, which comprises passing the distillation vapors, after removal of tarry constituents therefrom, from a preheater into an acidified solution of ammonium sulphate, thereby absorbing into the solution basic materials including pyridine compounds, introducing ammonia into the said solution until the solution reaches a pH value of from pH 8 to pH 9, then discontinuing passage of ammonia, thereby causing a separation of the pyridine compounds from the remaining solution, and recovering the said separated pyridine compounds.

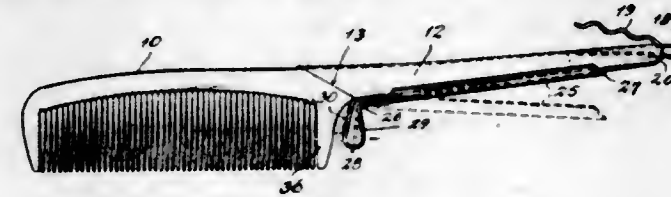
2,435,664

HAIR CURLING DEVICE

Henry Clay Whittaker, Memphis, Tenn.
Application May 10, 1946, Serial No. 668,882
2 Claims. (Cl. 132-9)

1. A hair curling device comprising a sheath tapered to fit a tapered handle of a comb, the outer end of the sheath projecting beyond the free end of said handle when attached thereto, an elongated clamping member removably con-

nected between the inner end of the sheath and the tapered handle, said clamping member being transversely curved to neatly fit the bottom of the sheath for clamping the end of a strand of hair against said bottom, the free end of the sheath having a passage therein and a shoulder encircling said passage, said passage adapted to receive one arm of a bobby pin, the other arm being

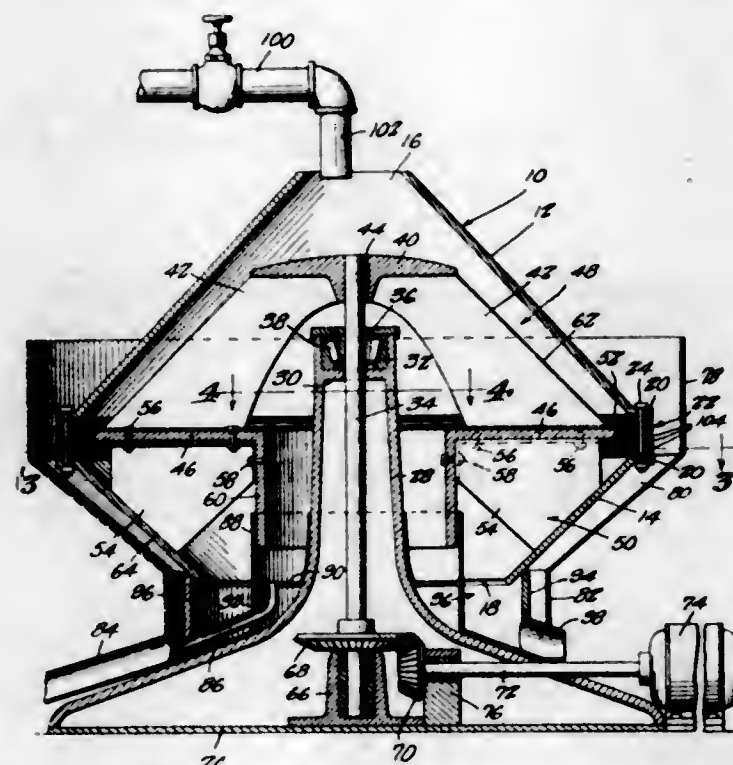


spread outwardly by the shoulder when the first arm is forced into the passage, the strand of hair after being curled around the sheath being releasable from the clamping member and shiftable beneath the outwardly spread arm of the bobby pin so that when the bobby pin is removed from the sheath with the curled strand of hair the arms of said pin will clamp the strand of hair therebetween.

2,435,665

CONTINUOUS PROCESS CENTRIFUGE

George I. Woolaver, Milford, N. J.
Application November 9, 1943, Serial No. 509,621
9 Claims. (Cl. 233-2)

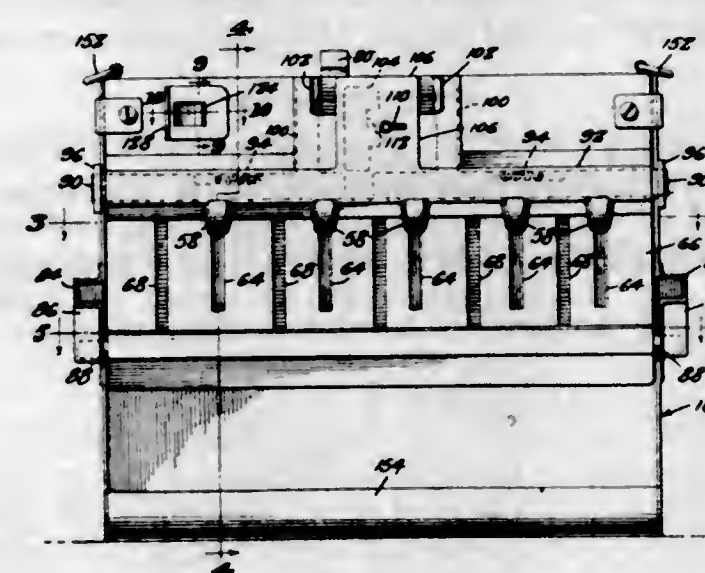


1. In a fluid material separator, the combination of a shell having an inlet and an outlet located below the inlet, said shell being shaped with a progressively increasing diameter to a point intermediate the inlet and the outlet, a horizontal wall lying in the plane of the larger diameter of said shell and fixedly related thereto, said wall having a central opening and being of such diameter as to provide a throat located between its perimeter and said shell, said shell being mounted on a hollow base having a tubular upstanding post, a flange at the upper end of said post, a bearing supported on said flange, a drive shaft journaled in said bearing, a head keyed to the upper end of said shaft, a plurality of depending and vertically arranged webs secured to said head radially of said shaft, said wall being secured to the ends of said webs, a plurality of webs secured to said wall on the under-surface thereof in vertical alignment with said first mentioned webs, said last said webs having contact with said shell whereby said wall is fixedly related to said shell for the rotation thereof by said shaft.

2,435,666

MONEY-CHANGER

Gee Jan Wong, Santa Barbara, Calif.
Application October 7, 1943, Serial No. 505,362
6 Claims. (Cl. 133-5)

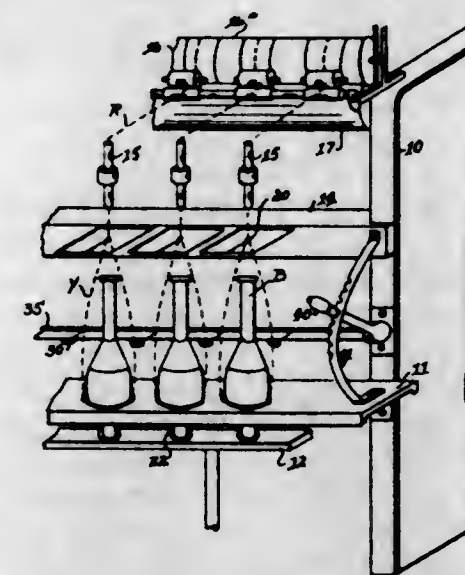


2. A money-changer, comprising a protective housing, a money changing unit removably and pivotally mounted in said housing, latching means carried by said unit adapted to co-act with keepers on said protective housing to retain said unit within said housing, and key controlled means for retaining said latching means in said keepers.

2,435,667

YARN-CATCHING DEVICE FOR SPINNING FRAMES

Arthur A. Worth, Lebanon, N. H., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application January 29, 1945, Serial No. 575,071
3 Claims. (Cl. 57-107)

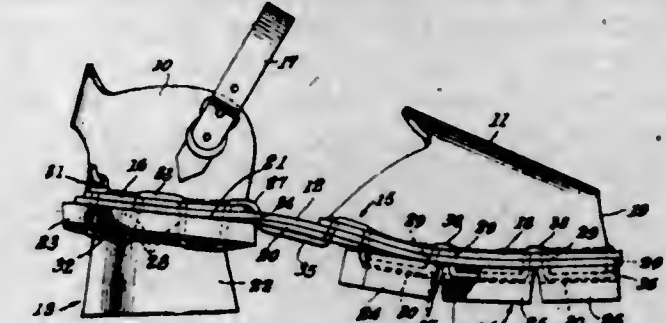


2. In a wool spinning frame having a fixed ring rail and vertically movable spindles and having yarn guides which have a vertically fixed operative position, in combination, a yarn-catching device comprising a longitudinal support and a series of yarn-catching members spaced along said support and secured thereto, each member being positioned directly rearward of its associated spindle and adjacent the normal maximum balloon area of an associated yarn and substantially in the horizontal plane vertically midway between the fixed ring rail and the vertically fixed yarn guides, and each yarn-catching device having a laterally projecting portion effective to engage and break an over-size yarn on excessive ballooning thereof.

2,435,668

PLAY SHOE OR THE LIKE

Charles F. Behringer, Los Angeles, and Lloyd Rogers, Wilmington, Calif.
Application November 13, 1945, Serial No. 628,176
7 Claims. (Cl. 36-11.5)

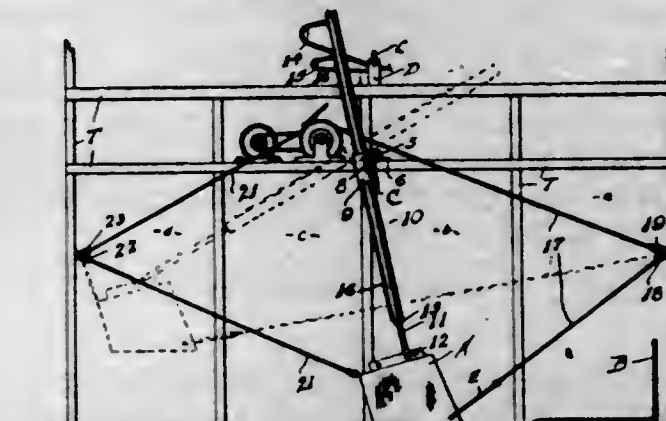


1. A shoe having a counter and a separate vamp, each having marginal flanges, a heel having a platform larger than the shank thereof to provide a peripheral flange, a sole comprising a plurality of blocks arranged transversely of the shoe, an insole between the counter and the heel and between the vamp and the sole, and a thong in interlacing engagement with the marginal flanges of the counter and vamp, the peripheral flange of the heel and the lateral edge portions of the sole blocks.

2,435,669

MECHANICAL MUCKER

Milan N. Boskovich, Midvale, Utah, assignor of forty-nine one-hundredths to Arthur O. Hall
Application August 14, 1944, Serial No. 549,362
1 Claim. (Cl. 214-141)



A mechanical mine shaft mucker of the class described comprising a transverse shaft mounted between the sidewalls of a mine shaft; a cylinder carried depending from the transverse shaft; a piston operating in said cylinder having a piston rod extending beyond the end of said cylinder; a bucket pivotally mounted to the free end of said piston rod; means to raise and lower the piston and rod in said cylinder; and means to operate the bucket comprising cables attached to opposite portions of the bucket and trained about guides supported at opposite walls of the mine shaft, whereby the bucket may be filled and emptied as desired.

2,435,670

CLOSURE FOR HOPPERS AND THE LIKE

Allan Moyer Buehler, Preston, Ontario, Canada, assignor to Eastern Steel Products Limited, Preston, Ontario, Canada, a company of Canada
Application May 5, 1945, Serial No. 592,254
4 Claims. (Cl. 220-34)

1. In a closure means for hoppers and the like, a cover member having front and rear flanges designed to overhang the upper edges of the hopper, brackets rigidly mounted on opposed sides of said cover and designed to project beyond said rear

flange, a pair of spaced apart pins projecting laterally outwardly from the sides of the projecting portions of each of said brackets, guide bracket members rigidly mounted on opposed sides of said hopper, each having a pair of spaced apart guide means therein designed cooperatively to engage said pins on said cover, said pins moving in said guide means upon lifting of said cover, one of said guide means extending generally forward from a point located behind said rear wall at a distance at least as great as the depth of said rear flange below the top of said closed cover, the other of said guide means having a section concentric with said rearmost point of said first mentioned guide means and a section extending toward said first mentioned guide means, said

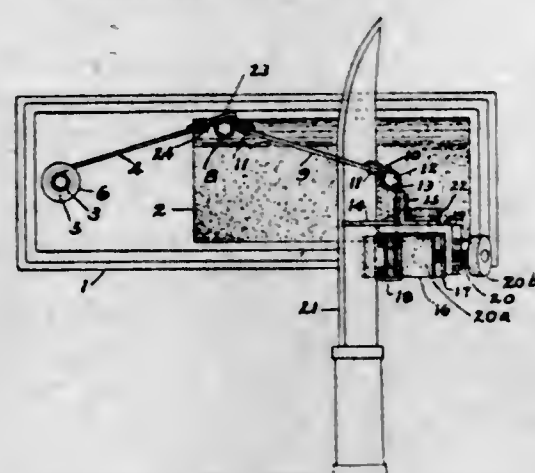


guide means engaging said pins such that when said cover is raised from a closed position one of said pins will pivot in the rearmost portion of said first mentioned guide means while the other pin is guided around said concentric section of said second mentioned guide means to cause said rear flange to swing to a height above the back edge of said hopper, said second mentioned pin being designed to enter the non-concentric section of said second mentioned guide means when said back flange is raised above said back edge a predetermined amount to cause each of said pins to move generally forward in their respective guide means simultaneously to position said rear flange over the upper edge of said rear wall when said cover is fully open.

2,435,671

KNIFE SHARPENING DEVICE

Earl W. Clark and Carl L. Clark, Warren, Ohio
Application November 10, 1944, Serial No. 562,828
8 Claims. (Cl. 51-158)



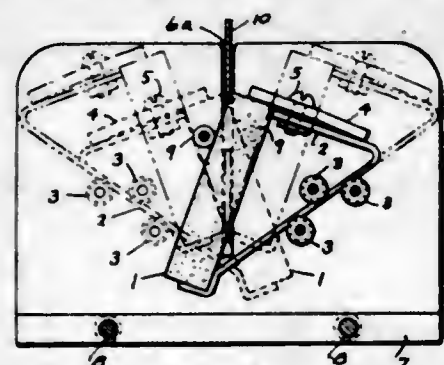
3. In a device for sharpening knife and shear blades: a base; an abrasive member mounted thereon; a supporting member projecting from said base; an arm pivotally connected to said supporting member; a second arm pivotally connected to the first named arm; a third arm pivotally connected to the second arm; a fourth arm pivotally connected to the third arm; a blade clamp pivotally mounted on the fourth arm; a clamp to fix said blade clamp to said fourth arm in any desired position; a stop whereby the first and second arms are prevented from being

brought into a relative position wherein they are parallel: the pivotal movement of said arms relative to each other and to said abrasive member permitting said blade to be brought into and maintained in grinding contact with said abrasive member and moved freely thereover while maintaining a substantially fixed angular relation between said blade and said abrasive member.

2,435,672

SHARPENING DEVICE FOR KNIVES

Earl W. Clark, Stuart, Fla.
Application April 4, 1946, Serial No. 659,492
4 Claims. (Cl. 51-214)

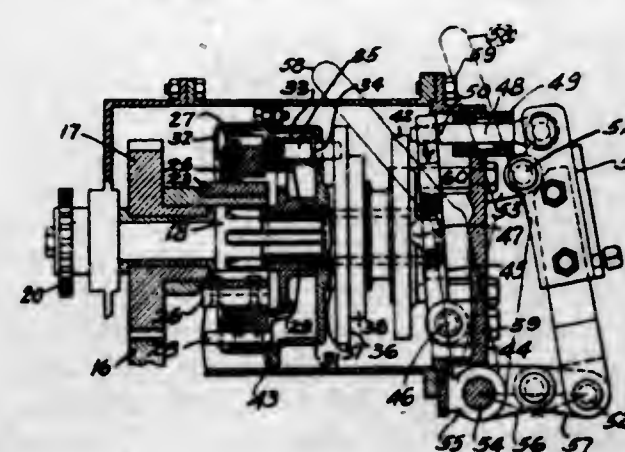


1. In a knife sharpener: a frame comprising a base having a plurality of upwardly extending portions, said upwardly extending portions having transversely aligned vertical knife guiding slots in said portions located midway of the horizontal lengths thereof; a plurality of carriers with abrasive members mounted thereon, said carriers and abrasive members being disposed between adjacent pairs of said upwardly extending portions and with the working faces of adjacent abrasive members oppositely disposed relative to, and in planes which intersect at an acute angle, the vertical plane of said knife guiding slots; an outwardly and upwardly inclined guide member on said carriers; flanged guide rollers disposed between adjacent pairs of said upwardly extending portions and pivotally journaled therein, and said guide rollers disposed to contact the upper and lower surfaces of said guide members.

2,435,673

CLUTCH CONTROL DEVICE

John L. Clarkson, Nashville, Ill.
Application October 30, 1942, Serial No. 463,917
10 Claims. (Cl. 192-99)



1. In a cable reel winding mechanism, a driven element, a driving element, means yieldingly thrusting said elements into frictional engagement with each other, parts for compressing said means, a casing structure forming a chamber enclosing said elements and parts, the interior of said chamber being sealed from the exterior but one wall of said chamber being detachable from the remainder of the chamber, there being oil in said chamber and about said elements, a manually operable control member mounted on

the exterior of said wall, and an operable connection between said member and said ports for rendering said means ineffective, said wall, member and connection being removable as a unit from the remainder of said casing and from said elements and means to facilitate access to said elements and means.

2,435,674

BUTADIENE-1,3-ETHYL ALPHA PHENYL-ACRYLATE COPOLYMER

Albert M. Clifford, Stow, Ohio, assignor to Wing-foot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application June 24, 1941,
Serial No. 399,505

1 Claim. (Cl. 260-84.5)

A synthetic-rubber resulting from the polymerization of an aqueous emulsion of a mixture consisting of 60 parts of butadiene-1,3 and 40 parts of ethyl alpha-phenylacrylate.

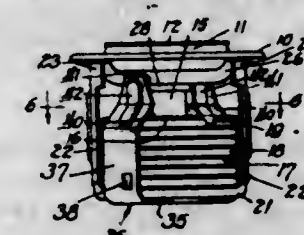
2,435,675

THERMOSTAT VALVE AND SPRING THEREFOR

Walter A. Curtis, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application June 8, 1946, Serial No. 675,426

7 Claims. (Cl. 236-34)



1. In thermostat valve means for controlling the flow of cooling liquid for an internal combustion engine, a valve seat member, a valve member cooperating with said seat member, a supporting frame secured to said seat member depending therefrom, a thermostatic bellows underlying said valve member secured at one end to said frame having at its other end a head connected to said valve member, said bellows holding said valve member closed at a predetermined low temperature and urging it in opening direction at a higher temperature, and means comprising inclined surfaces converging inwardly of said head normally yieldingly held in contact with the peripheral area thereof urging said head in valve closing direction, said inclined surfaces being of limited extent such that said head passes out of contact therewith when it has moved a predetermined distance in valve opening direction thereby eliminating resistance by said inclined surfaces to continued movement of said head in the latter direction.

2,435,676

HERBICIDE

Charles D. Fitzgerald and George E. Lynn, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application May 31, 1944,
Serial No. 538,203

5 Claims. (Cl. 167-45)

1. An herbicidal composition comprising a water-soluble pentachlorophenolate as the principal phytotoxic ingredient and, as an activator therefor, a water-soluble salt of a strong acid and a weak base.

2,435,677

ARCH SUPPORT HEEL

Arthur H. Gilman, Spokane, Wash.
Application December 8, 1945, Serial No. 633,585
3 Claims. (Cl. 36-76)



1. In a shoe, the combination with a heel and means for fastening it to the shoe, and a narrowed resilient portion projecting from the front of the heel under the shank of the shoe and providing support directly for the shank of the shoe, of a wedge member inserted beneath the shoe shank and removably mounted by said resilient forwardly projecting portion, said portion having spaced pin recesses therein and pins seated in said recesses, the wedge member having apertures receiving said pins.

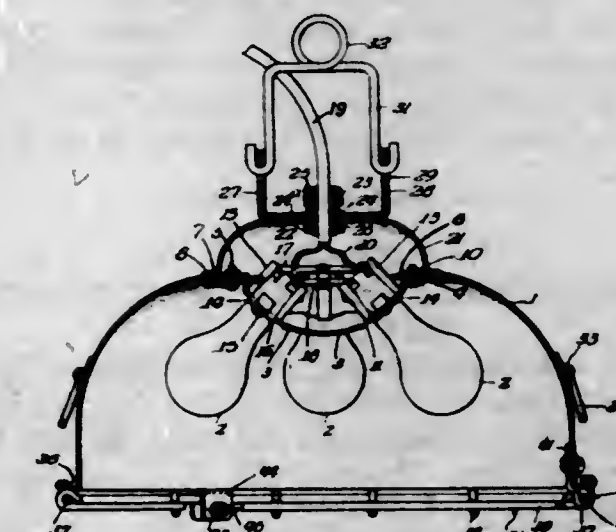
2,435,678

LIGHTING FIXTURE

Herman L. Goebel, Chicago, Ill., assignor to Steber Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application January 24, 1944, Serial No. 519,467

2 Claims. (Cl. 240-11.2)



1. An electric light fixture comprising a reflector member at its lower end and a bell-like member at its upper end, the two members being integrally connected by an annular flange, a ring welded to the said flange, a dish-shaped member having a peripheral flange located below the said ring, fastening means passing through said flanges and ring to make a watertight connection, said bell-like member and said dish-shaped member providing an interior chamber, socket members arranged in said chamber and fastened to the dish-shaped member, a conduit carrying cable passing through the bell-like member and electrically connected to the sockets, and a waterproof strain relief member connected to the upper end of the bell-like member and clampingly engaging the cable.

2,435,679

REFLECTOR ASSEMBLY

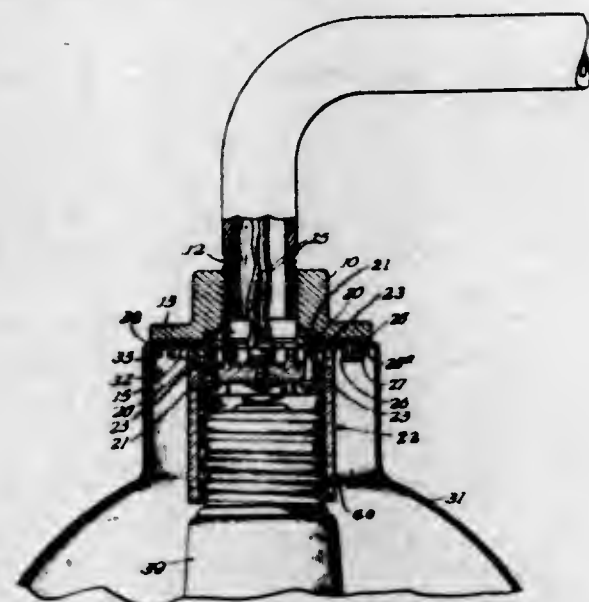
Herman L. Goebel, Chicago, Ill., assignor to Steber Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application January 24, 1944, Serial No. 519,468

8 Claims. (Cl. 240-1.43)

6. A lamp socket and reflector assembly embodying a support, a plate member carried by the support, a lamp socket member, means connecting said socket member to said support for detachment therefrom independently of said

plate, said plate member embodying circumferentially spaced channel-shaped portions, a portion of which forms an inclined surface having a recess therein, a shade provided with a tubular end, an inwardly projecting flange on said end, the periphery of the flange being shaped to provide a portion disposed at an angle to the body of the flange, there being circumferentially spaced



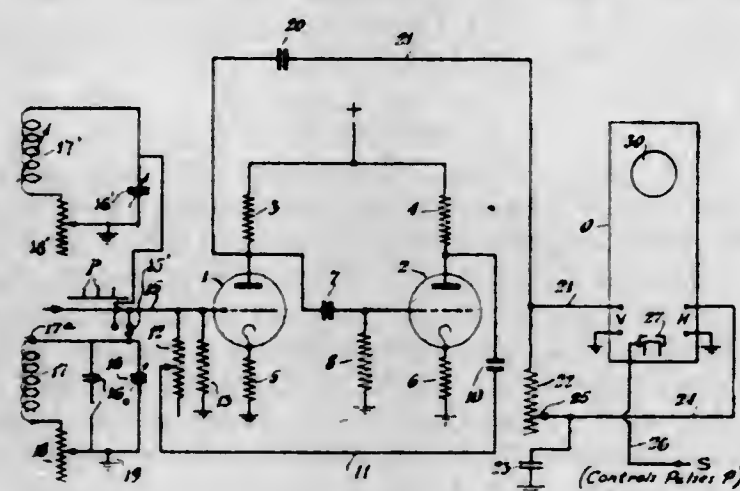
openings extending through said flange and said angularly disposed portion, through which openings the said channel-shaped portions of said plate are adapted to pass, whereby upon rotation of the shade the said angularly disposed portions of said flange will pass into said channel-shaped portions, and means for limiting the rotative movement of said shade with respect to said socket member.

2,435,680

APPARATUS FOR ELECTRICALLY TESTING MATERIAL

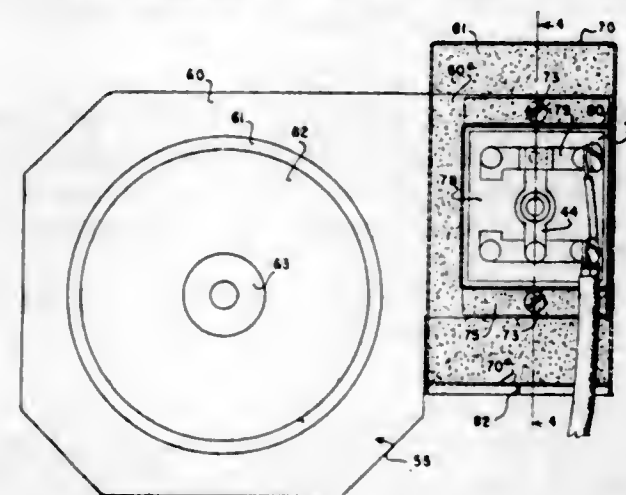
Thomas T. Goldsmith, Jr., Cedar Grove Township, Essex County, and Estle Ray Mann, Upper Montclair, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application February 26, 1944, Serial No. 524,010
7 Claims. (Cl. 175-183)



1. A device for investigating properties of solid material which comprises a vacuum tube oscillator having a tank circuit comprising a hollow coil and a condenser having a pair of separated plates, at least one of said members, coil and condenser, being adapted to receive a specimen of said material, an oscillograph connected to the output of said oscillator, means to apply said output to the respective deflection systems of said oscillograph with sufficient phase difference to produce a spiral pattern on the face of said oscillograph, and means to apply electrical impulses to said oscillator and impulses of a higher frequency to the beam of said oscillograph.

2,435,681
CURRENT RECTIFYING SYSTEM
Otho D. Grandstaff, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 25, 1944, Serial No. 528,074
8 Claims. (Cl. 175-363)



1. A rectifying system comprising a dry plate rectifier an operating circuit for said rectifier, and means directly responsive to changes in temperature of a plate of said rectifier and insulated from the ambient temperature of said rectifier for controlling said circuit.

2,435,682

AERATION OF BUTTERFAT-CONTAINING LIQUIDS

Charles A. Getz, Glen Ellyn, Ill., assignor to Aeration Processes, Inc., Columbus, Ohio, a corporation of Ohio

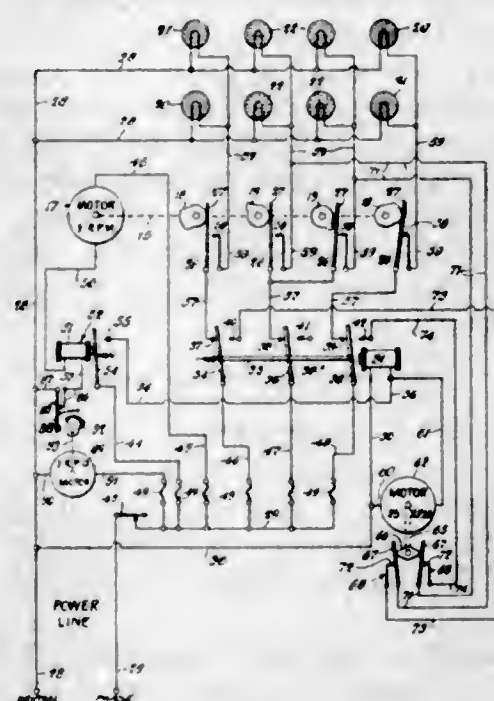
No Drawing. Application June 2, 1942,
Serial No. 445,486
6 Claims. (Cl. 99-60)

2. An aerated cream having the general consistency of whipped cream and having distributed therethrough minute gas cells containing a non-acid forming gas which is readily soluble in both the butter fat and the serum of the cream and which imparts substantially no odor or taste thereto.

2,435,683

TRAFFIC SIGNALING SYSTEM

Peter Hinshelwood, Chicago, Ill.
Application February 24, 1944, Serial No. 523,646
4 Claims. (Cl. 177-337)

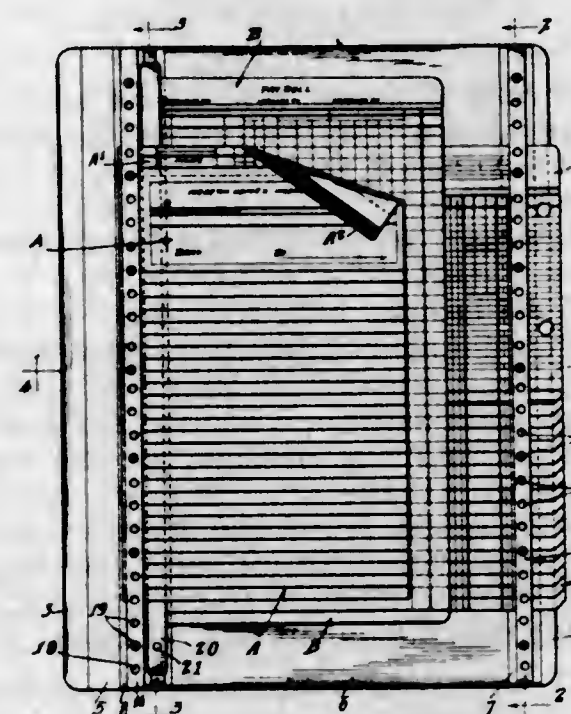


3. In a device of the character described, an electrical circuit, traffic signals in said circuit "stop" and "go" signals and "caution" signals, switches in said circuit with said signals, a motor in said circuit, means operated by said motor

to actuate said signals at intervals, a second motor, means operated by the opening of the circuit to the first said motor to interrupt the circuit to said "stop" and "go" signals, and complete the circuit to said second motor, and cause said "caution" signals to be brought into the circuit as controlled by said second motor, a third motor in said circuit, and means controlled by said third motor to interrupt the circuit to the first motor and said "stop" and "go" signals for a predetermined interval and then again complete said circuit to the first said motor and said "stop" and "go" signals.

2,435,684

ACCOUNTING BOARD
Jesse M. Jones, Los Angeles, Calif., assignor to Charles R. Hadley Company, Los Angeles, Calif., a corporation of California
Application April 6, 1945, Serial No. 586,890
6 Claims. (Cl. 282-29)



1. An accounting board comprising: a base structure defining a closely related pair of channels along one margin and a single channel along its opposite margin; lower retainer bars slidable in said channel, each retainer bar having a plurality of means registerable with perforations in the margins of accounting blanks; and mating upper retainer bars coacting with said lower retainer bars to clamp said accounting record blanks therebetween; said registerable means including pins extending from at least one of each pair of coacting retainer bars through said accounting blanks into its mated retainer bar; the side walls of said channels and the sides of said retainer bars having coacting detent and multiple indentation means for holding said retainer bars in a plurality of adjusted positions along said accounting board.

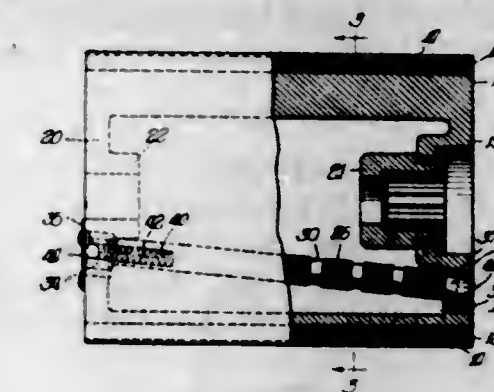
2,435,685

FLOOR SANDING MACHINE

Frank J. Koenig, Chicago, Ill., assignor to Skilsaw, Inc., Chicago, Ill., a corporation of Delaware
Application December 29, 1945, Serial No. 637,913
5 Claims. (Cl. 51-194)

1. The combination with a sanding drum having an abrasive sheet end receiving slot in the surface thereof and an eccentric clamping bar journaled in said drum for holding said sheet clamped to said drum against a flange adjacent said slot, of means for preventing said bar from rotating from a clamped position except upon a predetermined effort, said means including a tapered journal on one end of said bar, a corre-

spondingly tapered bushing mounted on said drum for receiving said tapered journal and movable into a binding relation therebetween and

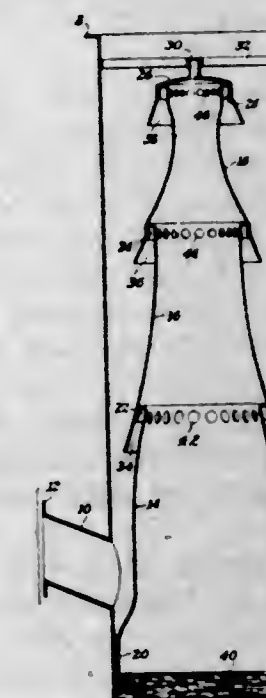


means mounted on said bar and cooperating with said drum for urging said journal toward a binding relation with said bushing.

2,435,686

CONDENSATION PUMP

George A. Kuipers, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application December 15, 1945, Serial No. 635,381
6 Claims. (Cl. 230-101)

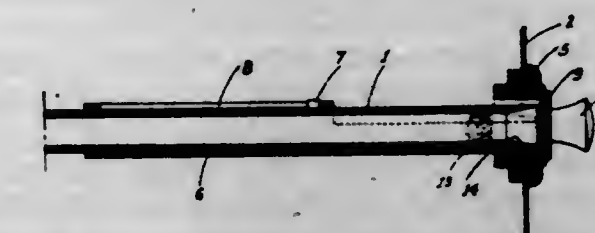


1. In a condensation pump having at least one umbrella jet, the improvement which comprises two concentric annular members cooperating to form the inside and outside walls of the umbrella jet, the inside annular member being provided with an outwardly turned edge over which the outside portion fits and which turned edge serves to accurately space the inside and outside walls of the umbrella jet.

2,435,687

CIGARETTE EXTINGUISHER AND EJECTOR

George S. Latin, Grass Valley, Calif.
Application November 3, 1944, Serial No. 561,690
15 Claims. (Cl. 131-235)

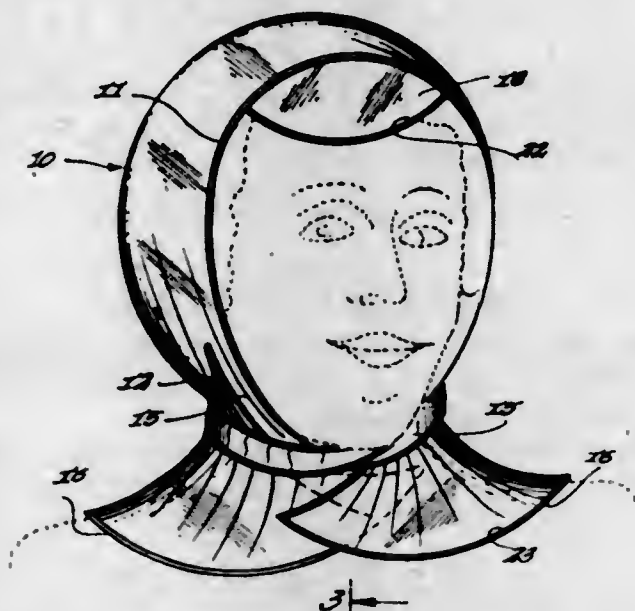


1. A cigarette extinguisher and disposal device comprising an elongated substantially horizontal

tube having an internal diameter to receive cigarette butts therein in end to end relation, said tube having a receiving and a discharging end, a cigarette receiving cradle aligned with the receiving end of the tube, and means to advance a cigarette butt from the cradle into the receiving end of the tube.

2,435,688 PROTECTOR

Beatrice Lupo, New York, N. Y.
Application June 13, 1946, Serial No. 676,497
1 Claim. (Cl. 2-202)



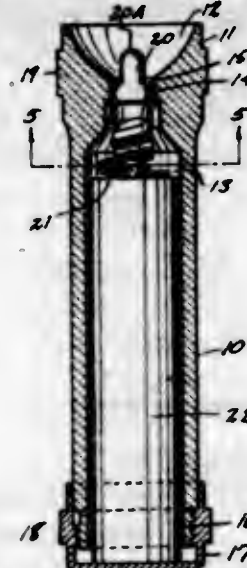
In a protector of the indicated character, a body fashioned from flexible water-proof sheet material including a forward medial portion formed with a straight forward edge and oppositely disposed narrow tying end members formed as lateral continuations of said medial portion and with the forward edges thereof as continuations of the straight forward edge of said forward portion and a rear portion connected with said forward portion medially thereof and of lesser width than the overall length of said medial portion and tying end members, said rear portion being separated at the opposite side edges from said tying end members by oppositely disposed recesses extending inwardly in opposite sides thereof in parallel relation with the forward portion and providing a narrow portion therebetween connecting said forward and rear portions and said rear portion having arcuate peripheral side edges extending rearwardly from said recesses, and an outwardly extending portion secured to the forward edge of the forward portion medially thereof adapted to project over the forehead to provide a shield for the eyes when the garment is applied in covering relation over the head of the wearer.

2,435,689 FLASHLIGHT

Edward J. McCabe, Youngstown, Ohio, assignor to Milton Kessler, Youngstown, Ohio
Application April 1, 1947, Serial No. 738,546
2 Claims. (Cl. 240-10.68)

1. A flashlight comprising a hollow metal tubular body, a reflector formed directly in one end thereof, an opening formed at the apex of the reflector and communicating with the hollow interior of the tubular body, a pre-focused bulb of the threaded metal base type having a shoulder on the base thereof engaging the periphery of said opening for positioning said bulb in operative relation to said reflector, a battery within the body, a coil spring engaging said threaded metal base and normally spacing said battery and said bulb, and a cap rotatably mounted on

the opposite end of the tubular body retaining said battery and bulb in the body, and operative to



make and break the circuit through the bulb, battery and metal body.

2,435,690 INSECTICIDE

Henry L. Morrill, Clayton, Mo., and Carl J. Weinman, Champaign, Ill., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

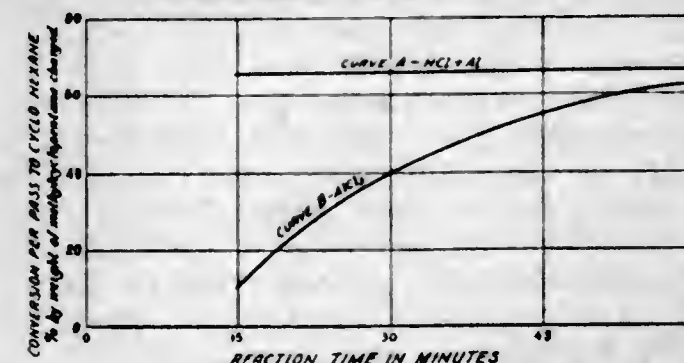
No Drawing. Application July 5, 1944,
Serial No. 543,607
4 Claims. (Cl. 167-24)

2. An insecticidal composition comprising 5-10% ortho-nitrodiphenyl, 20-50 mg. of pyrethrins per 100 cc. of composition, a deodorized petroleum oil spray base having a viscosity in the range of 60-100° Saybolt at 100° F., and an amount of a substance selected from the group consisting of ortho-phenylcyclohexanol and ortho-cyclohexylcyclohexanol sufficient to retain said ortho-nitrodiphenyl in solution in the oil base.

2,435,691 ISOMERIZATION OF ALICYCLIC HYDROCARBONS

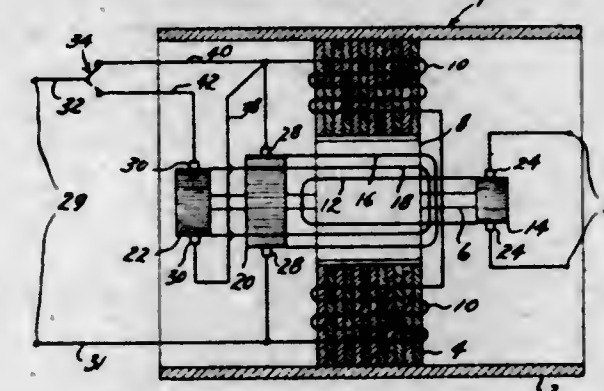
Claude G. Myers, Bryn Mawr, Pa., and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application September 14, 1945, Serial No. 616,338
4 Claims. (Cl. 260-666)



1. In the process for effecting the isomerization of an alicyclic hydrocarbon selected from the group consisting of alkylcyclopentanes, cyclohexane, alkylcyclohexanes, cycloheptane and alkylcycloheptanes, which comprises contacting said alicyclic hydrocarbon with an aluminum halide isomerization catalyst in a reaction zone under isomerization reaction conditions, and for a period of time sufficient to achieve optimum yields of desired isomer; the improvement which includes contacting said alicyclic hydrocarbon with a nascent aluminum halide isomerization catalyst formed in said reaction zone under said isomerization reaction conditions, for a period of time equal to about one-quarter that required when a preformed aluminum halide isomerization catalyst is employed.

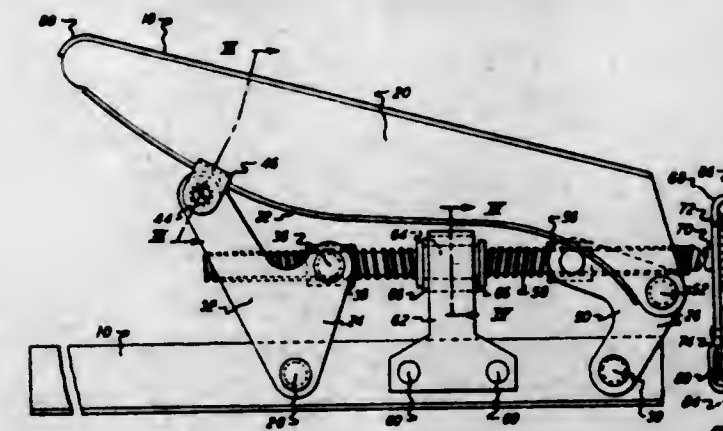
2,435,692
DYNAMOELECTRIC MACHINE
Joseph Nader, Glen Ellyn, Ill., assignor to Nader Engineering Co., Chicago, Ill., a corporation of Illinois
Application June 21, 1946, Serial No. 678,210
4 Claims. (Cl. 171-123)



1. A dynamo-electric machine comprising relatively rotatable, cooperating field and armature structures, a field winding on said field structure, an output armature winding on said armature structure, a plurality of input windings on said armature structure, means connecting said field winding in parallel with one of said input armature windings, and means for selectively energizing said one input armature winding either directly or through a series connection with another armature input winding, whereby said output armature winding will selectively supply a high voltage, high wattage load, or a low voltage, low wattage load.

2,435,693 VEHICLE JACK

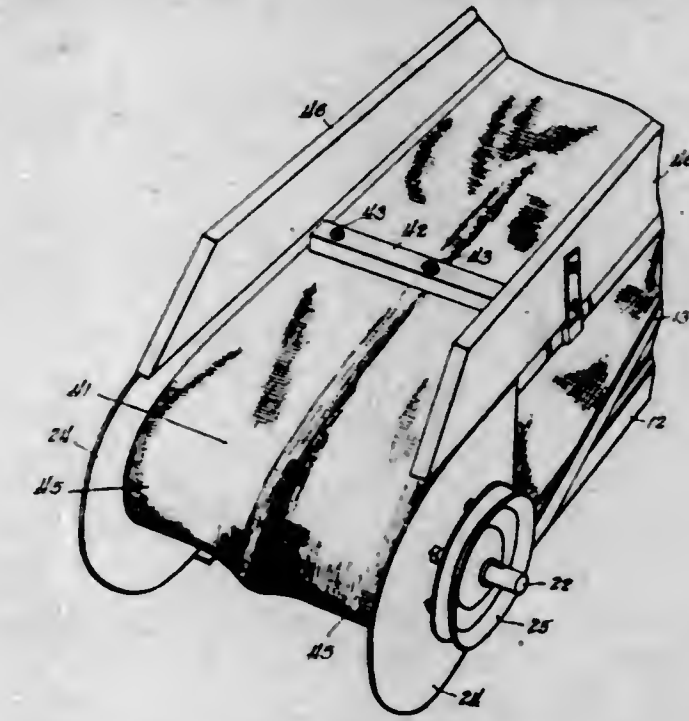
Stephen De Orlow, Jackson, Mich., assignor to Hancock Manufacturing Company, Jackson, Mich., a corporation of Michigan
Application May 15, 1941, Serial No. 393,512
6 Claims. (Cl. 254-126)



4. A vehicle jack comprising a base, a member to be raised and lowered having a load engaging portion, a pair of horizontally spaced carriage structures positioned between said base and member and being collapsible and extensible for raising and lowering said member, said carriage structures being proportioned to have differential extension movement, connections between said carriages and said base and member for supporting said base and member in substantially parallel relation with the jack lowered, one of said carriage structures being connected at one end of said member and imparting an upward and forward movement thereto upon being extended, the other of said carriage structures having a slidable connection with said member, said slidable connection including means defining an arcuate path upon said member along which said other carriage travels when the jack is raised and lowered, said path and carriages being so proportioned that the load engaging portion of said member moves in substantially a vertical path.

607 O. G.—19

2,435,694
CONVEYOR BELT
John C. Pearson, Jr., Oklahoma City, Okla.
Application March 1, 1946, Serial No. 651,059
8 Claims. (Cl. 198-199)



6. Material handling apparatus comprising, in combination, upper and lower belt troughs, a sheave having a V-groove rotatably mounted at each end of said troughs and between the sides thereof, a V-belt trained over said sheaves, a conveyor belt having relatively small tensile strength as compared to that of said V-belt and being several times its width and disposed therearound with the edges of the upper and lower portions riding in said upper and lower troughs respectively and being substantially unsupported and thereby substantially free of tension as the conveyor belt loops around said sheaves, and rigid reinforcing members extending crosswise of said conveyor belt in spaced relation therealong and secured thereto and to said belt means.

2,435,695
CATALYTIC ISOMERIZATION OF UNSATURATED GLYCERIDE OILS
Charles J. Plank, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

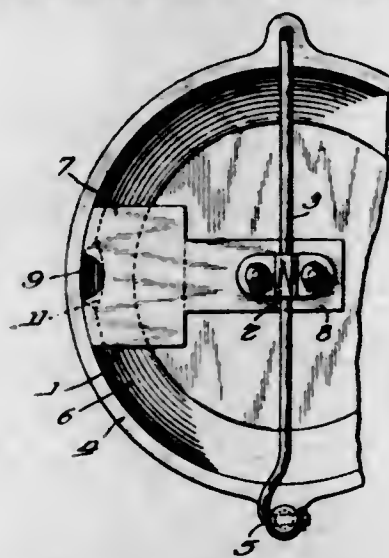
No Drawing. Application July 13, 1944,
Serial No. 544,820
10 Claims. (Cl. 260-405.6)

1. The process which comprises treating an oil selected from the class consisting of drying oils and semi-drying oils, at a temperature falling within the range varying between about 450° F. and about 600° F., with a boron trifluoride-bodied China-wood oil gel.

2,435,696
SKIMMING DEVICE
John J. Pluta, Nicholas L. Mayer, and Harry M. St. John, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 23, 1944, Serial No. 564,846
1 Claim. (Cl. 22-83)

A skimmer suitable for removable attachment to a ladle of the character described, the said skimmer having a body portion for pivotal mounting upon the ladle and a head portion thickened relative to the body portion, the said head portion having a curved surface which contacts throughout with the ladle at an annular inner surface portion of the ladle adjacent to the rim of the latter, the portion of the curved surface of

the thickened head in contact with the ladle being interrupted by a grooved passage extending through a substantially medial portion thereof for the flow of molten metal therethrough, the said passage on its longitudinal axis being tapered in a plurality of planes and the depth of the said

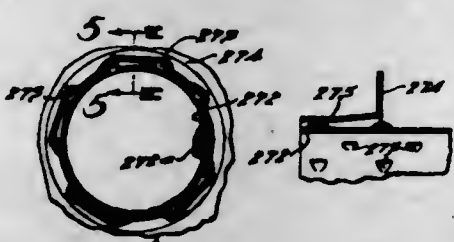


passage being greater at that portion of the head immediately adjacent the ladle rim than at the opposite or lower end of the passage on the head portion, the cross-sectional area of the passage being substantially constant throughout its length.

2,435,697

METHOD OF ASSEMBLING SHEET METAL PARTS

Walter H. Powers, Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Original application March 24, 1941, Serial No. 384,791, now Patent No. 2,357,791, dated September 5, 1944. Divided and this application November 6, 1943, Serial No. 509,263
4 Claims. (Cl. 29-157)



1. The method of forming a connection between a conduit having a series of axially and circumferentially distributed openings in the wall thereof, each opening being defined by a lower portion, the crest whereof projects radially outwardly from the surface of the conduit, and a partition or like member which comprises providing the partition with a neck of conical form, the diameter of the larger portion whereof is approximately equal to the diameter of the imaginary surface which includes said crests and the diameter of the smaller portion whereof is in excess of the diameter of said conduit, telescoping said neck and conduit together so that the ironing effect of the louvers deforms the portion of smaller diameter into a polygonal shape, and forming one or more connections between the conduit and the neck, each said connection being made in the region of the portion of smaller diameter.

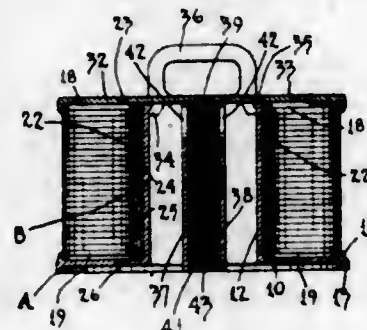
2,435,698

HOLDER FOR GAME DEVICES

Nile H. Running, Minneapolis, Minn.
Application June 26, 1944, Serial No. 542,045
11 Claims. (Cl. 211-49)

3. A holder for game devices comprising a rack having a circular base and a central cylindrical

column extending upwardly therefrom, a circular rim at the outer portion of the base extending upwardly therefrom, a plurality of chip containers, each comprising two trays, each consisting of a bottom, inner and outer walls connected thereto and end walls connected to said inner and outer walls and said bottom, said walls forming a trough in each tray in which chips may be placed on edge, hinge means on the upper

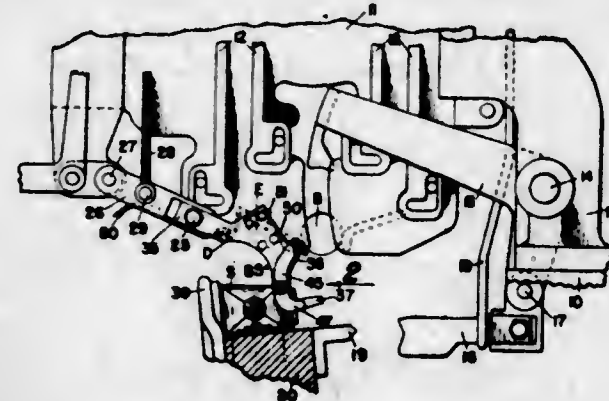


edges of the inner walls of the tray supporting said trays for movement from an extended position to a position enclosing the chips within the container, the end walls of said trays of said chip containers being adapted to rest on the base of said rack, said inner walls engaging said column and said outer walls engaging said rim and means attached to the column for retaining the containers in position upon the rack.

2,435,699

STOPPING MEANS FOR WEFT REPLENISHING LOOMS

Victor F. Sepavich, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 18, 1946, Serial No. 655,104
7 Claims. (Cl. 139-290)



1. In a shuttle position detector for a weft replenishing loom, a switch unit including a normally open electric switch mounted on said detector, means on the detector movable from the normal position thereof to effect closure of said switch, and resilient means on said detector forming part of said switch unit effective to open said switch after closure thereof.

2,435,700

PROCESS OF ELECTROLYTICALLY PRODUCING AZO DYES ON A FIBROUS SHEET MATERIAL AND THE FIBROUS SHEET MATERIAL FOR SAID PROCESS

Myer Solomon, deceased, late of Westmont, N. J., by Nellie W. Solomon, administratrix, Princeton N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application December 23, 1942, Serial No. 469,960
5 Claims. (Cl. 204-2)

1. The process of electrolytically producing azo dyes on a sheet of fibrous material which comprises subjecting said sheet to the action of an electrolyzing current while said sheet is wet with

an acid solution containing a diazonium compound, a sufficient quantity of a water-soluble inorganic salt as the electrolyte to facilitate passage of the electrolyzing current, a sufficient amount of a phenolic azo dye coupling component to react with said diazonium compound to form an azo dye and a compound designed to inhibit coupling until the sheet is subjected to the action of the cathode selected from the class consisting of hydroxyl amine and semicarbazide and causing coupling of said diazonium compound and said phenolic compound at the cathode.

2,435,701

FILM-FORMING COMPOSITIONS FOR OIL-PROOF CONTAINERS

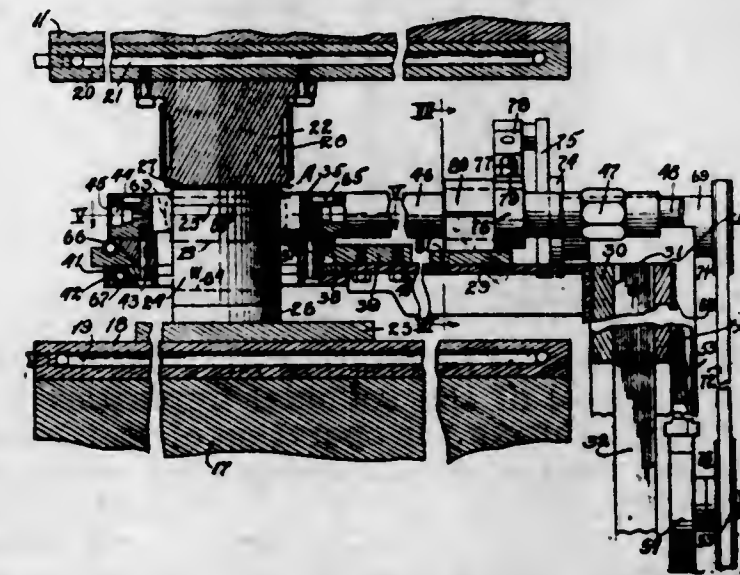
Vance V. Vallandigham, Park Ridge, Ill., assignor to Kelco Company, San Diego, Calif., a corporation of Delaware
Application December 27, 1943, Serial No. 515,839
8 Claims. (Cl. 106-162)

1. A film-forming composition for use in the manufacture of oil-proof containers from paper, consisting substantially of: an algin selected from the group consisting of the alginates of the alkali metals, magnesium and ammonium; an adhesion accelerator selected from the group consisting of the sugars and the solubilized starches; a humectant selected from the group consisting of the polyhydric alcohols, and water as a vehicle, in which the weight relation of said algin to said adhesion accelerator is within the range from about 1:5 to about 1:30.

2,435,702

PRESSURE WELDING MACHINE

Phillip W. Vallée, Lakewood, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 30, 1944, Serial No. 528,804
4 Claims. (Cl. 78-82)



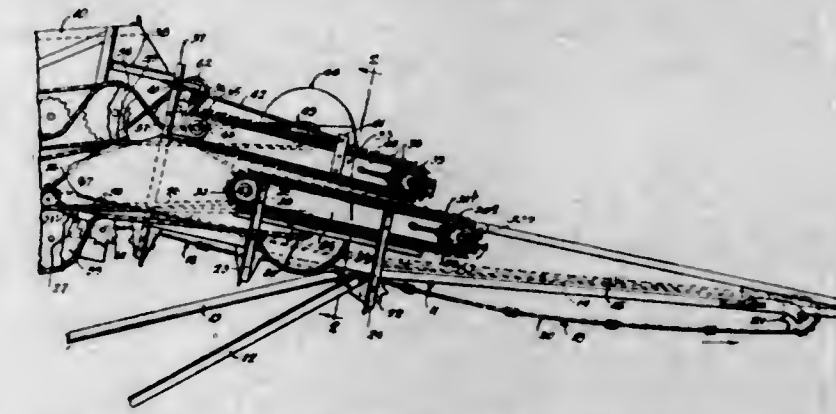
3. In a power press having cooperating work pressing platens, relatively movable vertically, the improvements of a horizontal arm extending between said platens, a torch ring carried by said arm, a vertical track for said arm positioned outside of the space between said platens, means for raising and lowering said arm on said track to reciprocate the arm and torch ring between the platens, said means including means for varying the vertical position of the zone of reciprocation of the arm and torch ring with respect to one platen while maintaining the stroke constant so that the jet discharge from the ring may be directed against the pieces to be welded each side of the joint therebetween for such relative time intervals as will raise the temperature regardless of the differences in constituents and sizes of said pieces, said means including a vertically disposed

screw in threaded engagement with said arm for endwise adjustment with respect to said arm, a slide adjustably connected to said screw, and a rotatable cam acting against said slide to move said slide screw and arm vertically.

2,435,703

SHEAVE FEEDING AND BUTT CUTTING DEVICE FOR THRESHERS

Arnt W. Wessman, Rock Island, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 24, 1944, Serial No. 532,439
3 Claims. (Cl. 146-81)

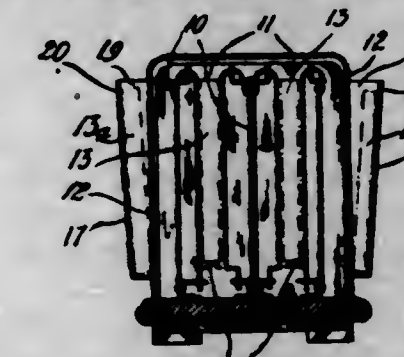


1. In a sheaf feeding and butt removing device for threshing mechanism having an inclined feed table having upwardly extending side members and an upwardly delivering feeding means thereon between said side members, the combination of frame structure mounted at the side of the table, an upwardly inclined conveyor mounted on said frame structure, the upper run of said conveyor being alongside and above the feed table and on substantially the same level as the upper edge of the adjacent side members, a conveyor support mounted above said conveyor, said support being mounted for movement of its lower end away from and toward said conveyor, a second conveyor extending around said support with its lower run being above the upper run of the lower conveyor, means for holding said support against downward movement to maintain it in spaced relation with respect to the lower conveyor, said means having a lost motion connection whereby the support and its conveyor may move upwardly upon the feeding of sheaves between the conveyors, means for driving said conveyors with the adjacent runs traveling at the same speed in an upward direction, a knife supporting structure mounted between said conveyors and the feeding means, and a rotary knife journaled on said structure, said knife being arranged and constructed with its cutting surface spanning the vertical space between the two conveyors.

2,435,704

TOASTER

Paul H. Wilkinson, Flushing, N. Y.
Application June 1, 1945, Serial No. 597,011
3 Claims. (Cl. 99-339)



1. An electric toaster comprising, in combination, a base for supporting the toaster on a table

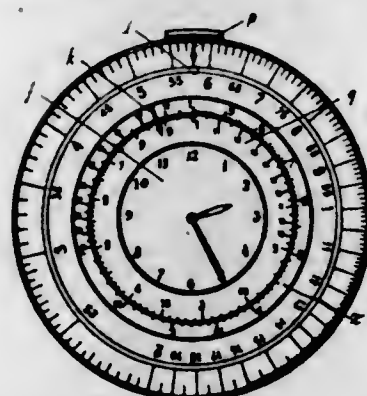
or the like, a pair of bread toasting compartments supported on said base and including two pairs of spaced toasting elements, each pair defining a toasting compartment, a casing mounted on said base and surrounding said compartments, said casing including a pair of side walls respectively adjacent and parallel to two toasting elements so as to be in heat transfer relation thereto, a platform secured to and extending horizontally outwardly from each of said side walls, and side and end wall members secured to and extending upwardly from each of said platforms to form therewith and with the adjacent casing side wall a storage compartment for receiving and storing a piece of toast in close adjacency to said casing side wall so that the warmth of the piece of toast will be maintained by the heat transmitted to its compartment by said casing side wall.

2,435,705

DISC SLIDE RULE

Gérard Francis Wittgenstein, La Tour de Peilz, Switzerland

Application May 17, 1944, Serial No. 536,000
In Switzerland June 17, 1943
5 Claims. (Cl. 235-84)



1. In a logarithmic calculator, a rotatable support adapted to be manually turned, a fixed support, a logarithmic scale and a cologarithmic scale on one of said supports, said scales having a common origin, a logarithmic scale on the other support, a fixed pointer located on a radius passing through the origin of the scales on the fixed support, a slide member normally movable with the rotatable support, an index carried by said slide member, and means for arresting movement of said slide member at a position where the index is radially aligned with the pointer without preventing further rotation of the rotatable support.

2,435,706

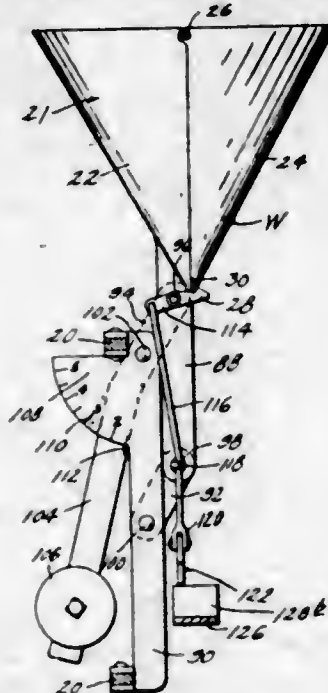
APPARATUS FOR CONVEYING AND ASSORTING POULTRY ACCORDING TO WEIGHT

Seth S. Barker, Ottumwa, Iowa

Application May 11, 1943, Serial No. 486,516
2 Claims. (Cl. 209-121)

2. A poultry handling device including a plurality of weight-responsive receivers mounted to move along a predetermined path, mountings for said receivers adapted to make the vertical elevation of the receivers vary according to the load carried therein, each mounting having a substantially vertical post supporting its receiver, a substantially parallel vertical support, parallel links pivoted respectively to the post and support, an inclined arm on one link and a weight adjustably mounted on the arm; each said receiver comprising members pivoted together at their upper ends, a latch pivoted on the axis of the pivot of one link to its position and adapted in one position to latch together the lower ends of the members of a receiver, a rod pivoted to each such latch and slidably supported transversely of the axis

of the pivot of the other link to the post, a trip-dog on the rod and a plurality of cams spaced along said path, each cam being adapted to cause



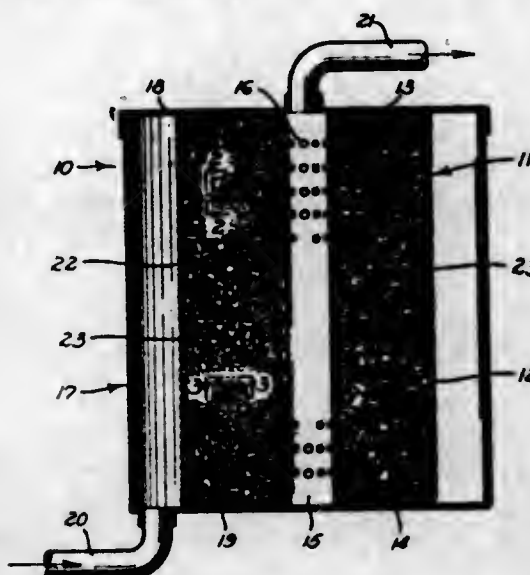
discharge of the rod from a receiver passing by, by engagement with the dog when the receiver is at a predetermined elevation.

2,435,707

METHOD OF AND APPARATUS FOR TREATING OIL

Ulric B. Bray, Palos Verdes Estates, and John K. Russell, Los Angeles, Calif.

Application May 31, 1941, Serial No. 396,144
30 Claims. (Cl. 252-326)



1. The method of facilitating the removal from a lubricating oil of the colloidal impurities produced therein during the operation of an internal combustion engine, which comprises: adding a non-aqueous slightly oil-soluble agglomerating amino soap to an oil so contaminated; and thereafter filtering out the agglomerated masses produced by such addition, said addition and removal being rendered continuous during the use of the oil by circulating the contaminated oil through a supply of said agglomerating agent and a medium capable of producing such filtration.

2,435,708

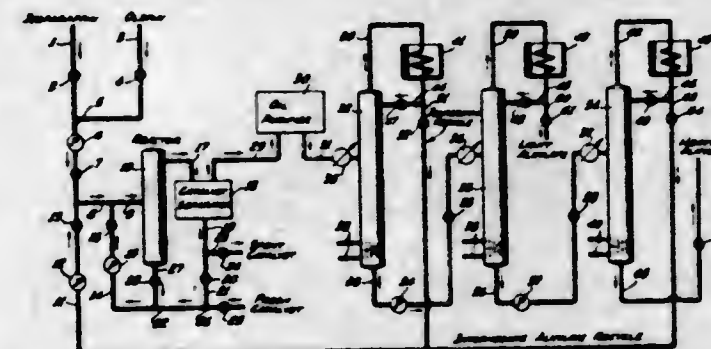
PROCESS FOR THE PRODUCTION OF SYNTHETIC ISOPARAFFINIC OIL

Alva C. Byrns, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application June 8, 1942, Serial No. 446,195
4 Claims. (Cl. 260-683.4)

1. A continuous two-stage process for production of synthetic isoparaaffinic oils boiling largely in the range 400° F. to 800° F., comprising a first

stage in which an olefin feed stock comprising normally gaseous olefins is reacted with an isoparaaffinic feed stock containing isobutane in molal excess in the presence of alkylation catalyst and the reaction product is fractionally distilled to obtain an isobutane fraction, which is recirculated, the desired heavy alkylate fraction boiling largely between 400° F. and 800° F., as a residual fraction which is not recirculated and an isoparaaffinic intermediate fraction having a boiling range between about 300° F. and 400° F.; and a second stage in which said intermediate fraction free from those materials comprising



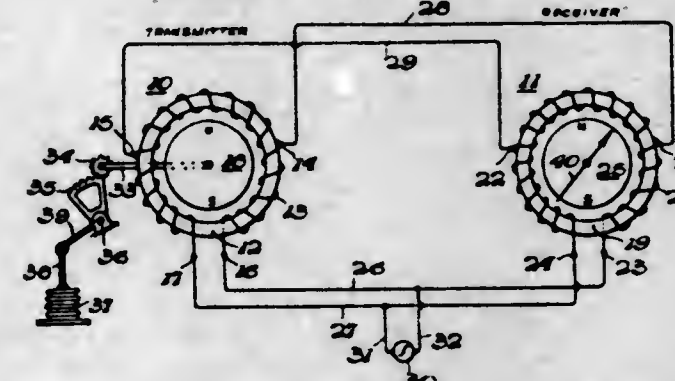
the isoparaaffinic feed stock employed in the first stage is reacted with an olefin which is present in lower molal proportions than the isoparaaffin, employing an olefinic stock containing no aromatic hydrocarbons, and carrying out the reaction in the presence of an alkylation catalyst; and a third step in which the catalyst free product is fractionally distilled to obtain the desired fraction, boiling approximately within the range 400° F. to 800° F., as a residual fraction which is not recirculated and one or more lower boiling fractions at least one of which is recirculated to the second stage reactor.

2,435,709

MEANS FOR REPRODUCING MOTION

Robert S. Childs, Englewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application May 22, 1944, Serial No. 536,795
8 Claims. (Cl. 318-24)



2. In combination, a transmitter comprising first core means of magnetically permeable material arranged to be traversed by a uni-directional magnetic field for inducing a magnetic flux therein, a winding on said first core means having voltages induced therein upon relative motion between said core means and said magnetic field, a receiver comprising second core means of magnetically permeable material, a winding on said second core means electrically connected with the winding on said first core means, a source of periodically varying current connected to energize both of said windings whereby fundamental flux densities are developed in their respective core means, a rotatable magnet associated in magnetic relation with said second core means and winding for actuation by the reaction between its own field and the field produced by said second winding upon relative

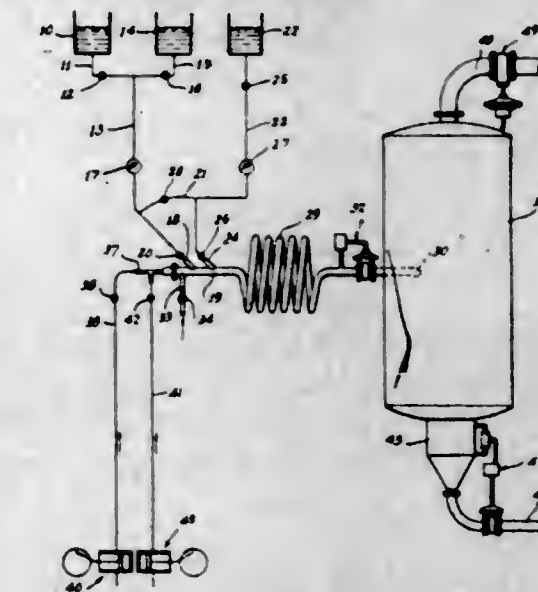
angular displacement between said first core means and the field by which it is traversed, and means for causing a difference in the time phase of the flux densities in the transmitter core means relative to the time phase of the flux densities in said receiver core means.

2,435,710

METHOD OF PRODUCING SULFUR DIOXIDE FROM WASTE SULFURIC ACID-HYDRO-CARBON CONTAINING MATERIAL

Robert T. Collier, Palos Verdes Estates, and John G. Carriere, Long Beach, Calif., assignors, by mesne assignments, to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application April 28, 1945, Serial No. 590,942
10 Claims. (Cl. 23-177)



1. The process of producing sulfur dioxide from waste sulfuric acid produced in treatment of hydrocarbons and which contains substantial amounts of hydrocarbon material, which comprises introducing such waste acid into one end of an elongated decomposing zone of restricted cross section, introducing into the same end of said zone a heating gas at a sufficient temperature and in sufficient quantity to heat said acid above the decomposition point of the acid but below the cracking temperature of the hydrocarbon material and below the vaporization point of a substantial portion of said hydrocarbons, waste acid and heating gas being introduced at such pressure and quantity as to cause flow through the zone at such velocity that decomposition of carbonaceous materials on the walls of the zone is substantially avoided, maintaining the mixture in flow through said zone at the decomposition temperature of the acid until the production of sulfur dioxide is effected, discharging the mixture into a separating zone and removing sulfur dioxide as overhead and liquid hydrocarbons therefrom.

2,435,711

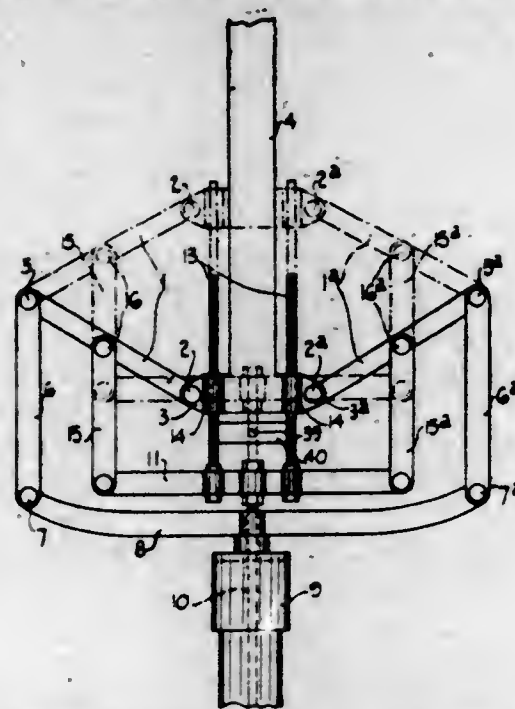
STROKE CONTROL FOR RECIPROCATING PUMPS

Wilfred Brereton Crofton, Illovo, Johannesburg, Transvaal, Union of South Africa, assignor of one-half to Koppel Engineering (Proprietary) Limited, Johannesburg, Transvaal, Union of South Africa

Application December 27, 1944, Serial No. 569,938
In the Union of South Africa January 28, 1944
6 Claims. (Cl. 103-38)

1. Means for varying the stroke of reciprocating pumps comprising, in combination with a driving rod and a pump rod, transmission means connected to the driving rod and the pump rod for driving the latter, and inertia means con-

ected to the pump rod and operable by the driving rod in dependence upon the speed and

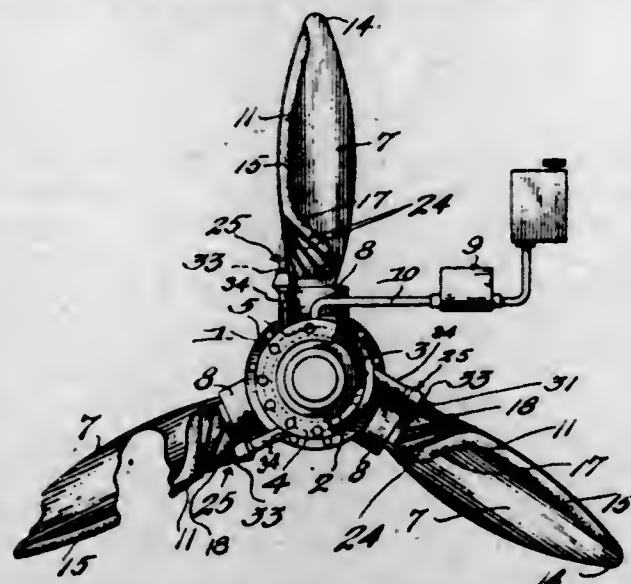


power of the latter to vary or adjust the movement of the pump rod according to the force exerted by said driving rod.

2,435,712

ICE PREVENTING MEANS FOR PROPELLERS

John De Stefano, Jackson Heights, N. Y.
Application May 2, 1945, Serial No. 591,433
4 Claims. (Cl. 244—134)



1. In a propeller for airplanes and the like, a hub including a storage chamber for de-icing liquid, a propeller blade on said hub, a de-icing boot fitting over said blade and having a leading edge extending along the leading edge of the blade, longitudinal ducts in the leading edge of said boot terminating in outlet ports spaced apart along the leading edge of the boot, means common to all of said ducts for establishing communication between said chamber and the ducts comprising a manifold on the leading edge of the boot and from which said ducts extend, an exposed liquid feeder line from said chamber to said manifold, and a device in said line for discharging de-icing liquid onto said boot adjacent the root end of the blade under back pressure in said ducts.

2,435,713

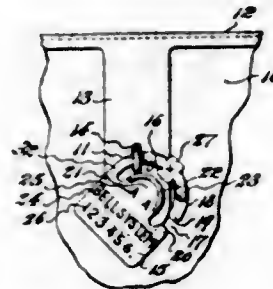
HASP SEAL

Emil Dietze, Richmond Hill, N. Y., assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York

Application August 23, 1946, Serial No. 692,649
4 Claims. (Cl. 292—315)

1. A seal for extension through a staple exteriorly of a slotted hasp closed over said staple

comprising a substantially rectangular plate-like body of substantial surface area having a curvilinear arm unitary therewith and extending across the top thereof and spaced by a corresponding curvilinear slot from the main part of said body, said body having an access gap adjacent the free end of said arm which leads through a side of the body into said slot, the inner margin of said slot



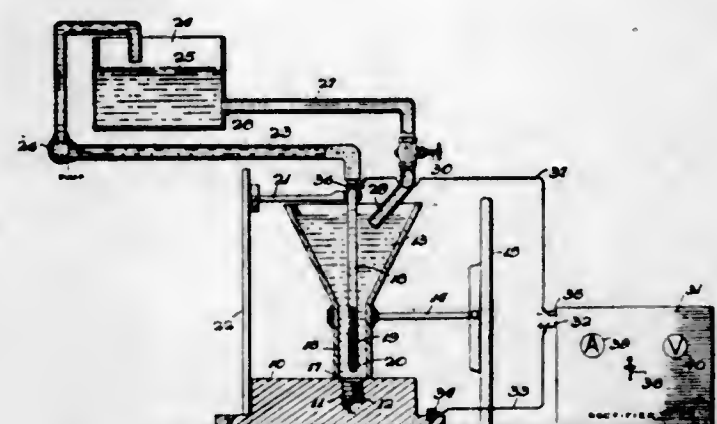
defining a central lobe in the plane of said body one side of which is opposed to said access gap, said arm being of an initial width adapted to pass through the staple eye, and said arm being provided intermediate its ends with a deformable portion adapted to be pressed to form a widened stop portion operative to prevent withdrawal of said arm from the staple eye.

2,435,714

ELECTROCHEMICAL SALVAGING METHOD

Anthony J. Fusco, Belleville, N. J., and Jerome L. Bleiweis, New York, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application September 28, 1942, Serial No. 459,988
2 Claims. (Cl. 204—146)



1. In the salvaging of industrial parts; a method of removing a steel insert from a body of aluminum, which comprises continuously circulating a solution of ammonium sulfate in water in contact with the steel insert, and dissolving the steel insert by anodic treatment in the solution.

2,435,715

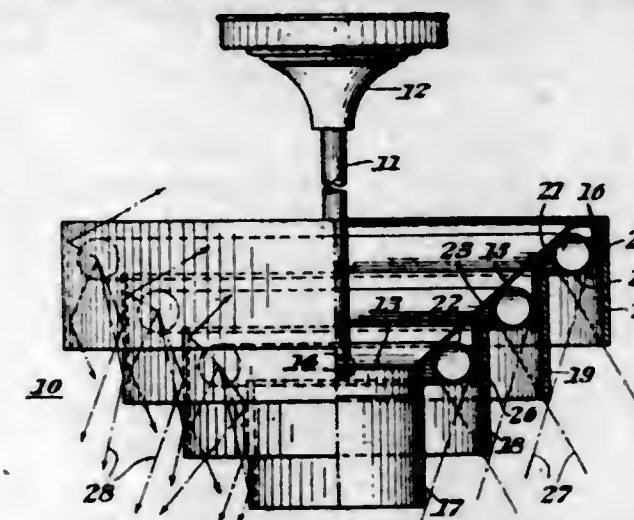
ILLUMINATING FIXTURE

William W. Headings, Kirtland, Ohio, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa., a corporation of New Jersey

Application June 23, 1944, Serial No. 541,723
1 Claim. (Cl. 240—51.12)

In an illuminating fixture, a plurality of radially spaced cylindrical baffles, means for supporting the baffles in coaxial arrangement, the baffles being stepped downwardly relative to each other from the outermost to the innermost, circular luminous tubes between adjacent cylinders, said tubes being spaced along the common axis of the

baffles, suspending means extending through the baffles and secured to the innermost baffle, and



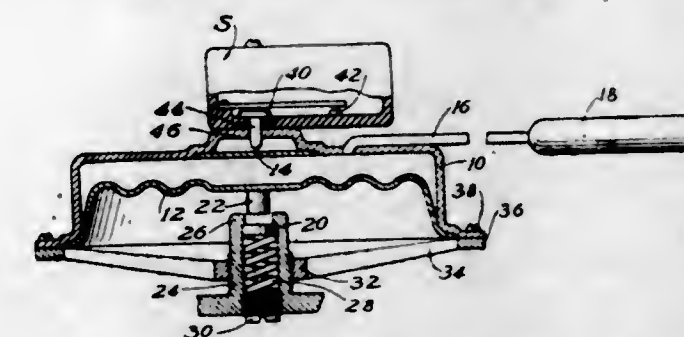
arms extending radially therefrom supporting the remaining baffles and said tubes.

2,435,716

CONTROL STRUCTURE

Kenneth Orington Kearney, Syracuse, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application August 14, 1944, Serial No. 549,465
8 Claims. (Cl. 200—83)



1. In a control structure, a housing having a pair of diaphragms for movement in response to pressure changes within said housing, one of said diaphragms having a high spring rate and the other of said diaphragms having a low spring rate, a control device for operation by said high rate diaphragm, a stop for said low rate diaphragm after it has responded to initial build-up of pressure in said housing to a predetermined control point for said control device, a spring holding said stop during further pressure build-up, said control device being operated by said high rate diaphragm during such further pressure build-up, said spring permitting movement of said stop and thereby flexing of said low rate diaphragm after the control device has been operated and during pressure overrun.

2,435,717

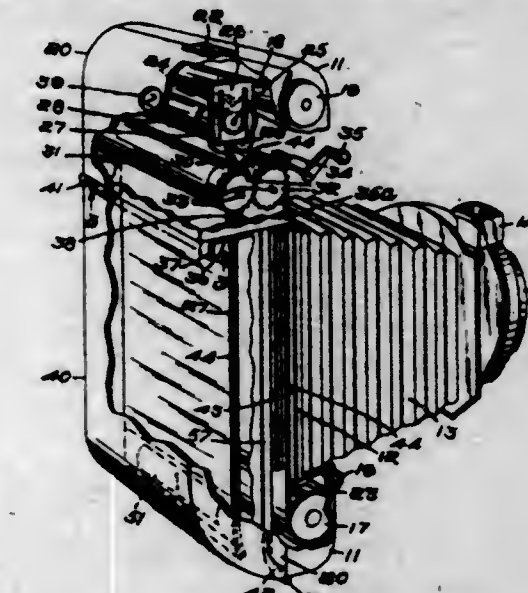
DEVELOPING CAMERA UTILIZING A FILM, ANOTHER SHEET MATERIAL, AND A FLUID PROCESSING AGENT

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application October 6, 1945, Serial No. 620,744
16 Claims. (Cl. 95—13)

1. An attachment for a camera, which attachment is capable of processing a film exposed in said camera, said attachment comprising, in combination, casing means for providing with the camera to which said attachment is attached a chamber dry and opaque to light actinic to said film and apparatus for processing said film in conjunction with a roll of another sheet-like material and a processing fluid, said apparatus being contained in said chamber and comprising

means out of contact with said fluid for successively advancing each exposed surface area of said film and substantially equivalent surface portions of said other material to surface-to-surface relationship and for applying a compression thereto throughout areas coextensive with each said area, and means for releasably holding a roll



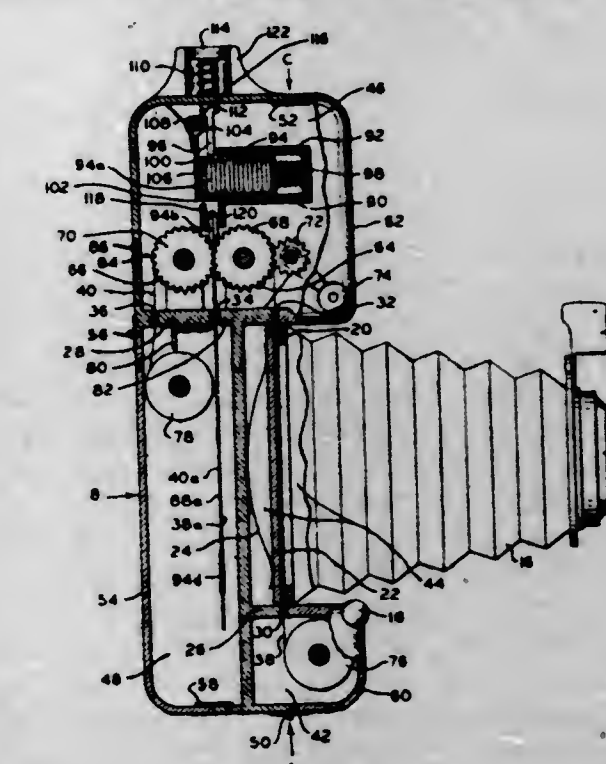
of said other material in a position for superimposition with said film after withdrawal of the latter from the exposure chamber of said camera, said means for applying compression acting, in cooperation with said film and sheet material and without contacting said processing fluid, to spread the processing fluid in the form of a layer throughout said areas of said film.

2,435,718

PHOTOGRAPHIC PROCESS AND APPARATUS FOR SUBJECTING A PHOTOGRAPHIC FILM TO A PROCESSING FLUID

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application January 11, 1946, Serial No. 640,503
26 Claims. (Cl. 95—13)



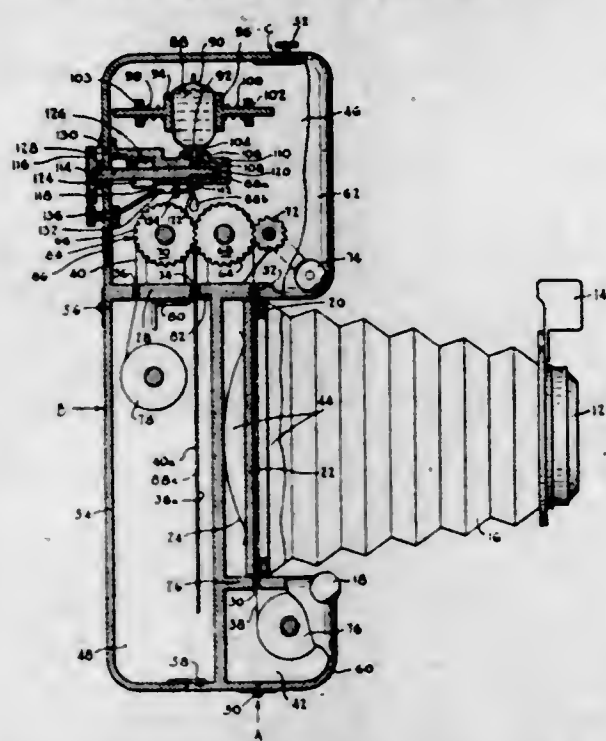
1. Photographic apparatus for exposing and processing a photographic sheet material comprising a photosensitive layer as a stratum thereof, said apparatus comprising, in combination, means for supplying said photographic sheet material, means for supplying another sheet-like material, means for photoexposing a predetermined area of said photosensitive layer, means comprising a pair of pressure applying members between which said sheet materials are moved in superposed relationship and compressed, means for holding a container free of said sheet materials,

said container having sealed therein a liquid for the processing of said photosensitive layer, means associated with said container holding means for effecting the release of said container from said holding means, and means for mounting said container holding means and said pressure applying members with respect to one another so that said container, upon release from said container holding means, is caused to contact at least one of said sheet materials, adjacent said pressure applying members, and to be pressed by said pressure applying members between both of said sheet materials upon relative movement of said sheet materials and said pressure applying members, said pressure applying members acting to release the processing fluid from said container and to spread said fluid throughout predetermined interface areas of said sheet materials.

2,435,719

PHOTOGRAPHIC APPARATUS FOR SUBJECTING A PHOTOGRAPHIC FILM TO A PROCESSING FLUID

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 12, 1946, Serial No. 647,121
19 Claims. (Cl. 95-13)



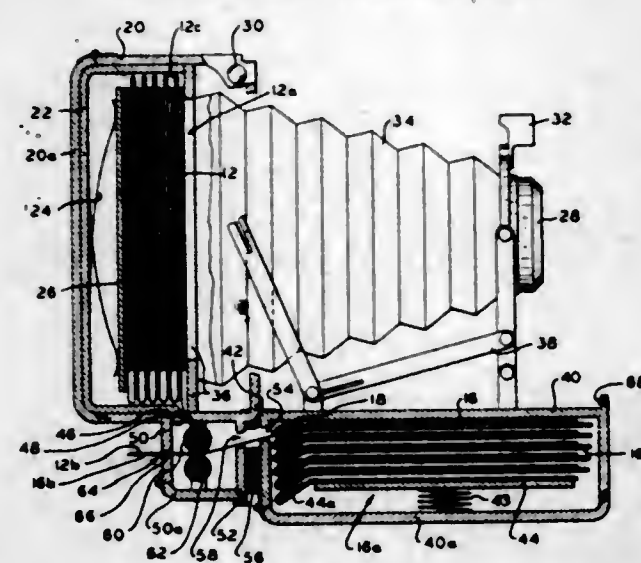
1. Photographic apparatus for processing a photographically exposed light-sensitive film material comprising, in combination, pressure applying means between portions of which said film and another sheet material are adapted to be positioned, in superposed relationship, and subjected to compression, means comprising a fluid dispenser for releasably holding, out of contact with said materials, a supply of film processing fluid sufficient for processing a plurality of frames of exposed film and for intermittently dispensing predetermined quantities of said fluid to said materials, each of said quantities being adapted to perform the processing of a single frame of film, said dispenser being adapted to dispense a quantity of said fluid of suitable form for contact with an area of said sheet materials which is smaller than the area of said frame of film ultimately to be covered by said quantity of fluid, means for mounting said fluid holding and dispensing means relative to said pressure applying means so that said dispenser is positioned adjacent said pressure applying means and said fluid is thereby adapted to substantially direct movement toward said pressure applying means and to contact at least one of said materials, and means for positioning said materials relative to said pressure applying

means so that portions of said materials, adjacent other portions held in face-to-face contact by said pressure applying means, are maintained in spaced relation to one another prior to compression thereof, said spaced portions being adapted to receive said predetermined quantity of fluid therebetween from said fluid dispenser and to be compressed, said pressure applying means providing spreading of said fluid between and in contact with interface areas of said materials.

2,435,720

APPARATUS FOR EXPOSING AND PROCESSING PHOTOGRAPHIC FILM

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application August 29, 1946, Serial No. 693,708
28 Claims. (Cl. 95-13)



1. Apparatus for successively exposing a plurality of areas of photosensitive film material and for processing said areas after exposure thereof in conjunction with a plurality of separately supplied sheets of another material, one of said materials having a releasably contained processing fluid incorporated therewith, said apparatus comprising, in combination, means forming a main chamber wherein said film material may be exposed, means forming a second chamber for releasably holding said plurality of sheets of material, means providing a light-shielded aperture in said main chamber means and other means providing an aperture in said second chamber means whereby said materials may be withdrawn from said chambers for superimposition with one another, means for superimposing and compressing the materials, said chambers being so related to said compressing means as to have said apertures positioned adjacent said compressing means, said compressing means being adapted to apply a predetermined pressure to successive increments of said film and other material for spreading said fluid therebetween, and means acting to exclude actinic light from portions of said superimposing means which are in contact with said materials during operation of said apparatus.

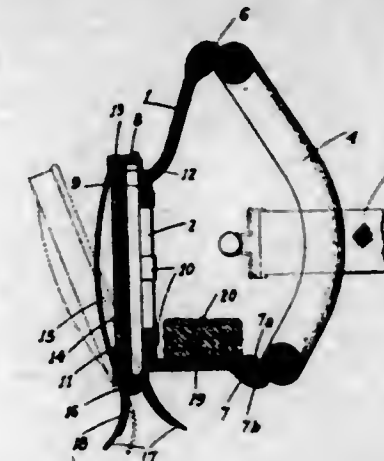
2,435,721

SPRAY MASK

Werner Lehmann, Fresno, Calif.
Application August 3, 1943, Serial No. 497,175
6 Claims. (Cl. 128-146)

1. In a respirator which includes a cup-like body open at one end for engagement with a wearer's face to enclose the nose and mouth, said body having an air intake port in the other end, a filter can mounted on the body at said other end in communication with said port, and means

to support the respirator on a person's face; a face engaging cushion bead extending about the body in unbroken relation to said one end thereof.

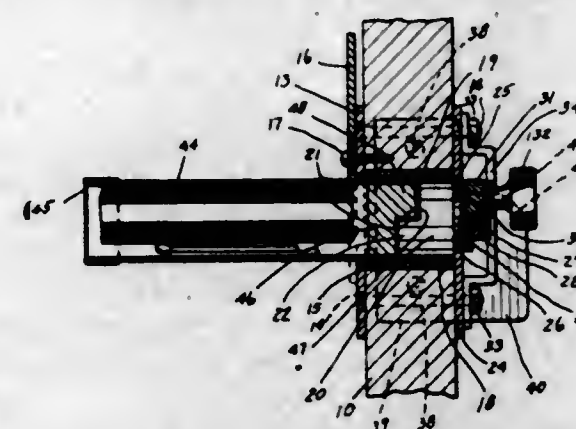


of, and means securing said bead on the body, said cushion bead being a soft, deformable, filter forming roll of porous woven cloth.

2,435,722

COMPARTMENT KEY AND LATCH

Jesse Guy Manley, Bryn Mawr, Wash.
Application December 11, 1944, Serial No. 567,580
1 Claim. (Cl. 70-393)

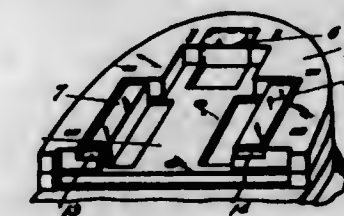


A container type key structure comprising an elongated tubular body portion providing a hand grip, a closure for one end thereof, and a key formation rigid with the body portion at the opposite end thereof substantially closing the same, said key formation including a portion projecting longitudinally beyond the body portion and having a side face for key purposes.

2,435,723

ATTACHABLE AND REPLACEABLE HEEL FOR FOOTWEAR

Reginald John Moffatt, Sydney, New South Wales, Australia; Kathleen Mary Elliott, executrix of said Reginald John Moffatt, deceased, assignor to Kathleen Mary Elliott
Application September 15, 1944, Serial No. 554,255
3 Claims. (Cl. 36-36)



1. A removable interchangeable heel for shoes comprising the combination with a removable heel section including a tongue plate, a locking plate, a rubber lift and means for securing said parts together, of a base plate, and a guide plate fixed to the outer sole of the shoe, said base plate having a recess which receives the guide plate, and guides punched and bent from the guide plate for detachable engagement with the removable heel section.

2,435,724

METHOD OF INCREASING AND PROLONGING THE FLOW OF OLEORESIN FROM TREES

Carl E. Ostrom and Clifford S. Schopmeyer, Lake City, Fla.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application October 8, 1947,
Serial No. 778,724
5 Claims. (Cl. 47-10)

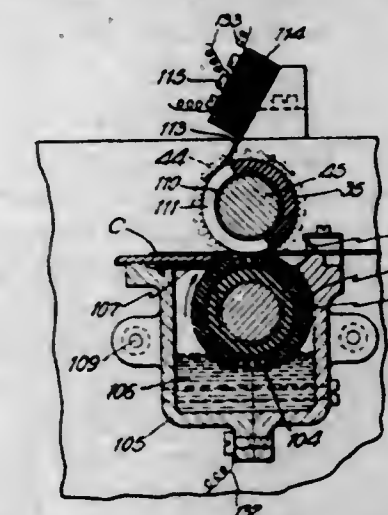
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of obtaining increased flow of oleoresins and gums from coniferous trees comprising applying, to wounds in the bark, a plant-growth regulator taken from the group consisting of substituted aromatics.

2,435,725

CONDUCTIVE FLUID ELECTRICAL CONTACT DEVICE

Robert E. Paris, Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 9, 1943, Serial No. 505,687
8 Claims. (Cl. 235-61.11)



5. In a device for sensing perforated records, two record engaging members one of which comprises elastic material, said members being mounted so as to be capable of relative movement to compress between them a perforated record to be sensed, one of said members having at its surface an electrically conductive liquid adapted to be extruded through any perforation in the record into contact with the other member, when the record material surrounding such perforation is compressed between said members, whereby the electrically conductive liquid is forcibly extruded through the perforations, said other member having an electrically conductive surface for engagement by said extruded liquid, and means for connecting said conductive liquid and the electrically conductive surface of said other member to a source of electric current.

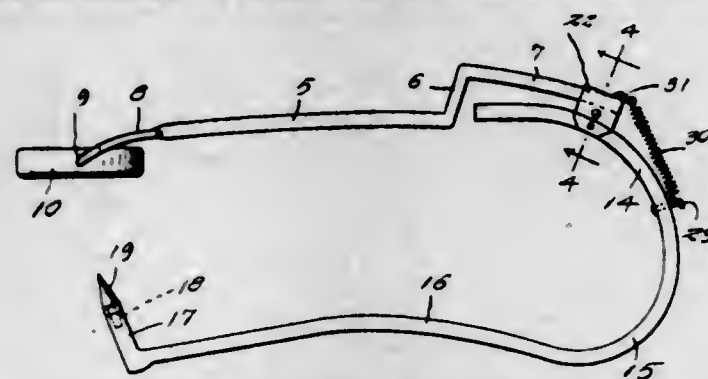
2,435,726

PIVOTED HAND TOOL FOR REMOVING DENTS IN SHEET METAL

Meredith E. Rohde, Aurora, Colo.
Application August 30, 1944, Serial No. 551,961
1 Claim. (Cl. 81-15)

A sheet metal reforming tool comprising an anvil member, a striker member, said anvil member being provided with an elongated arm, said striker member being provided with an elongated arm extending in the same general direction as the anvil arm, said anvil arm being provided with an offset portion defining a handle, the free end portion of the striker arm being curved inwardly and into the space defined by the offset portion of the anvil arm, a U-shaped connector having

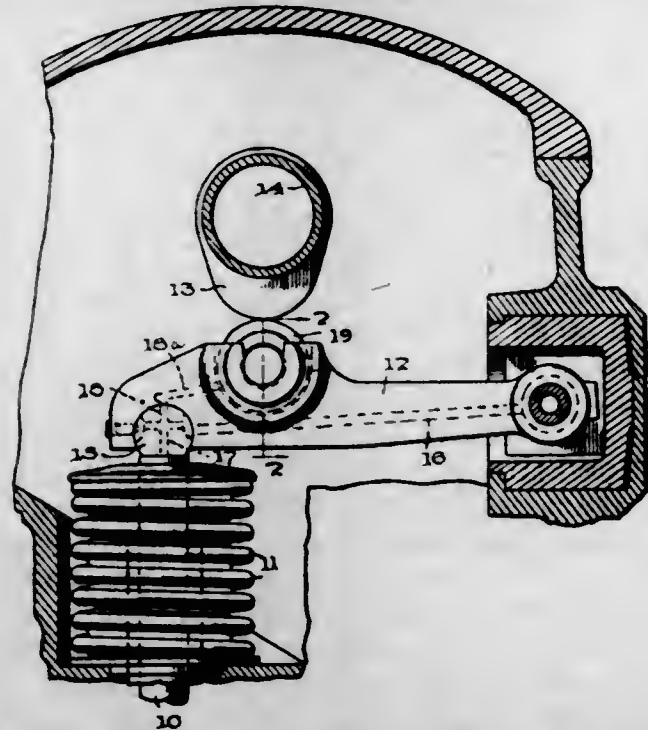
its bight portion secured to the free end of the handle portion of the anvil arm, said curved free end portion of the striker arm being formed with openings, spaced from its free end, at a pair of diametrically opposite points and opposed to the leg portions of the connector, the leg portions of the connector being formed with openings opposed to the openings of the striker arm, ball bearings interposed between the leg portions of the connector and the last mentioned portion of the striker arm and being seated in the opposed openings, and contracting means between the leg portions of the connector, said curved free end portion of the striker arm being provided with a spring extending and connected to the handle portion of the anvil arm.



2,435,727

VALVE ACTUATING MECHANISM

Louis R. Spencer, West Hartford, Conn., assignor to Spencer Aircraft Motors, Inc., Hartford, Conn., a corporation of Connecticut
Application May 10, 1946, Serial No. 668,932
5 Claims. (Cl. 74-569)



1. A valve actuating mechanism comprising a valve stem rocker arm and a cam roller carried thereby characterized by said arm having a recess extending therethrough with the ends of said recess of less depth than the intermediate portion thereof and of arcuate formation longitudinally of the arm, and a pin on which said roller is journaled, said pin having its ends rigidly mounted in the arcuate ends of the recess, the intermediate portion of the pin being of increased diameter and abutting against the ends of said recess to prevent axial movement of the pin.

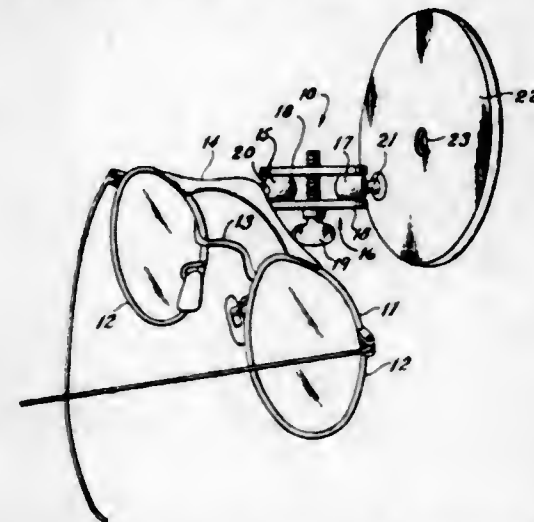
2,435,728

MIRROR ATTACHMENT FOR EYEGLASSES

Barnard C. Trowbridge, Kansas City, Mo.
Application August 7, 1946, Serial No. 689,056
2 Claims. (Cl. 128-21)

1. A mirror attachment for eyeglasses, comprising in combination, a bridge secured to the

rims of said glasses and spanning the nose-piece, a flexible coupling including a pair of spaced parallel links forming a socket at each end thereof, clamping means for drawing said links together, and a ball adjustably positioned in each of said sockets, one of said balls being secured to the mid-portion of said bridge, a

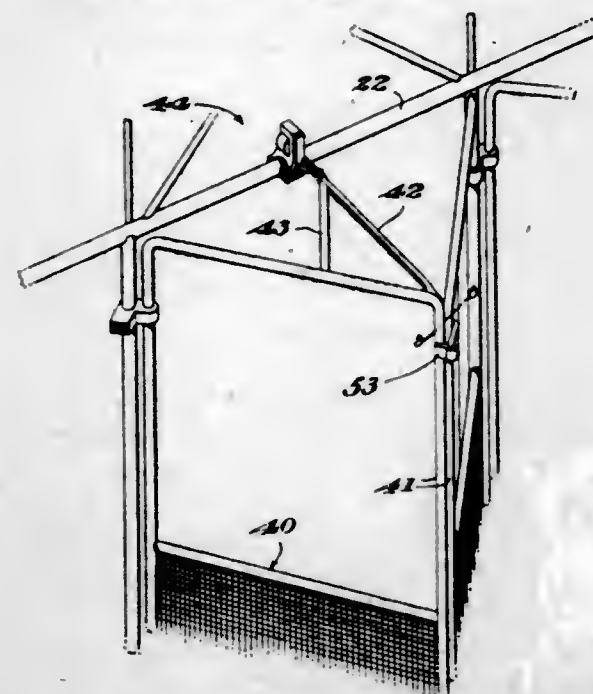


substantially circular mirror secured to the remaining of said balls, said mirror being formed substantially at the center thereof with a screw threaded bore constituting a sight aperture, a screw threaded adapter removably receivable in said bore, and a magnifying lens mounted in said adapter.

2,435,729

RACE STARTING GATE

Jesse P. Whann and Norman C. Harris, Los Angeles, Calif., assignors to Puett Electrical Starting Gate Corporation, Los Angeles, Calif., a corporation of California
Original application September 9, 1941, Serial No. 410,142. Divided and this application March 31, 1947, Serial No. 738,336
6 Claims. (Cl. 119-15.5)



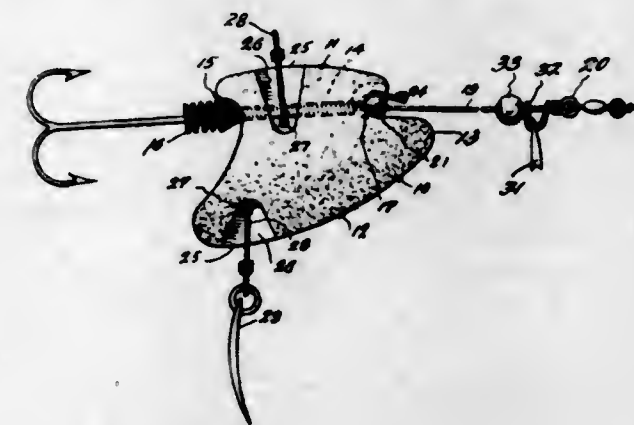
1. A starting gate having a superstructure including a plurality of partitions, a pair of doors between two adjacent partitions, said doors having pivot means and being swingable from a closed position wherein the side edges of said pair of doors farthest from said pivot means are adjacent to each other, to an open position where the doors are substantially parallel to each other, and holding means for holding one of said doors of said pair in closed position, said holding means including: arm means rigidly mounted on said door and extending at an angle from the plane of said door, said arm means having a free end, a member having a pair of ends, means pivotally mounting said member at one of its ends on said free end of said arm means, a solenoid provided with an armature, means attaching said solenoid

to a stationary part of said superstructure, and means pivotally mounting said armature on a fixed pivot adjacent to said solenoid, the other end of said member being in engagement with said armature when said door is in closed position and during the time said armature is in engagement with said solenoid while being attracted thereby.

2,435,730

CASTING SINKER

R. B. Worden, Granger, Wash.
Application June 17, 1944, Serial No. 540,825
10 Claims. (Cl. 43-42)

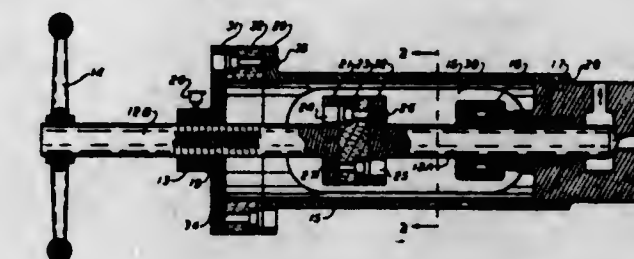


1. A fishing device of the character stated, comprising a sinker having a passage longitudinally therethrough, a wire rod slidably extended through said passage and having a forward end provided with an eye, a spring arm formed at the rear end of the rod and adapted to be moved into position adjacent to and substantially parallel with an adjacent portion of the rod, means for attaching a hook, lure or the like to said rod, the free end of the arm being adapted to pass through said passage to the forward end of the sinker, and means carried by the rod and adapted to be interposed between the free end of the arm and the rod at the forward end of the sinker to prevent reverse movement of the arm through the passage.

2,435,731

EXPANSION VALVE

Carl R. Anderson, Detroit, Mich., assignor to Air Products Incorporated, Detroit, Mich., a corporation of Michigan
Application October 21, 1943, Serial No. 507,092
8 Claims. (Cl. 251-43)



1. An expansion valve comprising a body having a flow passage therethrough, a sectional valve stem axially movable as a unit to control the flow through said passage, a thread block engaging a thread on said valve stem for producing said axial movement on change in the relative angular position of said stem and block, an open yoke member and a thermal break of material of low heat conductivity interposed between said body and said thread block and a thermal break of material of low heat conductivity interposed between sections of said stem at a point between said body and said thread block.

2,435,732

REFINING HYDROCARBON LIQUIDS

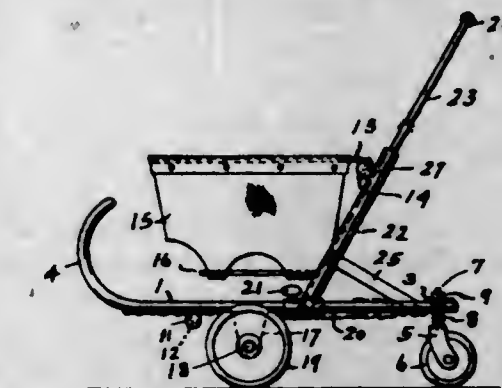
George W. Ayers and Priscilla Lyon, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application December 18, 1944, Serial No. 568,776
6 Claims. (Cl. 196-30)

3. The method of removing elemental sulfur and organic polysulfides containing more than two sulfur atoms per molecule, from hydrocarbon liquid comprising contacting said liquid with alkali metal stannite solution until the sulfur is removed and the polysulfides are converted to mercaptans.

2,435,733

SUPPLEMENTAL MOTOR VEHICLE SEAT

Henry Belyeu, Houston, Tex.
Application June 10, 1946, Serial No. 675,541
1 Claim. (Cl. 155-41)



A device of the character described comprising, a main frame having side bars, a brace connecting the free ends of said side bars, the other ends of the side bars being connected by a cross-bar and being formed into a hook, sleeves slidable on said side bars, means for securing the sleeves at any selected point of adjustment, tubes whose lower ends are pivoted to said sleeves, a U-shaped handle whose side bars are telescoped into the tubes, releasable means for securing the handle at any selected point of adjustment relative to the tubes, angle braces pivoted, at one end, to the side members of the main frame, and at their other ends to said tubes, a cross rod fastened to said tubes at its upper ends and having bearings, a U-shaped support having side bars whose free ends are formed into hooks which engage through said bearings and a seat depending from said support.

2,435,734

METHOD OF AND APPARATUS FOR FILTERING OIL

Ulric B. Bray, Palos Verdes Estates, and John K. Russell, Los Angeles, Calif.
No Drawing. Application May 31, 1941, Serial No. 396,145
8 Claims. (Cl. 252-326)

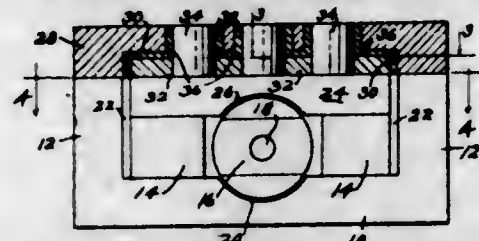
1. The method of treating a flowing stream of substantially non-acidic lubricating oil during contamination by suspended impurities of a particle size insufficient for filtration, which includes the steps of: agglomerating such impurities along the oil stream at substantially the rate at which they are suspended in the oil to bodies of dimensions sufficient for removal by filtration with an agglomerating amino soap of castor oil fatty acids and having slight solubility in the oil; separating said agglomerated bodies from the lubricating oil at substantially the rate at which such bodies are formed by passing the oil containing such bodies through a filter interposed in the stream; and maintaining the quantity of the agglomerating

soap in solution in the oil substantially constant by replenishing the soap in solution in the oil at the rate it is removed therefrom by the agglomeration of such suspended impurities.

2,435,735

MAGNETIC CHUCK

Charles D. Briggs, Worcester, Mass., assignor to O. S. Walker Co. Inc., Worcester, Mass., a corporation of Massachusetts
Application January 15, 1944, Serial No. 518,316
4 Claims. (Cl. 175-367)

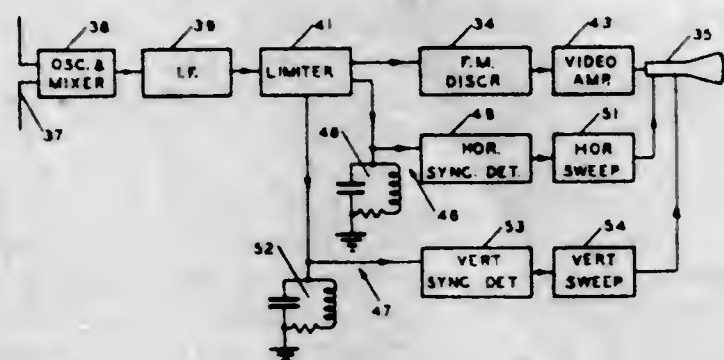


1. In a device of the class described, a soft iron housing forming a box-like structure and comprising a bottom member, connected side walls thereon, and a substantially solid top fitted between the side walls and magnetically insulated therefrom, a source of magnetic flux adapted to energize the bottom and side walls under one sign and the top under the opposite sign, and a separate removable and replaceable top plate comprising a pair of soft iron members magnetically insulated along a line conforming to the magnetic insulation between the solid top and side walls, one soft iron member being in the form of a rim adapted to coincide with the top edges of the side walls, and the other soft iron member being inside the rim and of a size and shape to coincide with the solid top, said soft iron members together presenting a work holding surface, said inside soft iron member comprising a plate having a lower element substantially entirely of soft iron in magnetic contact with said solid top, and said rim member having solid soft iron portions extending through and across the inside member, said portions being magnetically insulated from the inside member, and projections in the inside member extending to the top surface thereof between and insulated from said portions.

2,435,736

FREQUENCY MODULATED PICTURE RECEIVER

Chalon Wesley Carnahan, Oak Park, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application February 13, 1941, Serial No. 378,715
4 Claims. (Cl. 178-7.3)



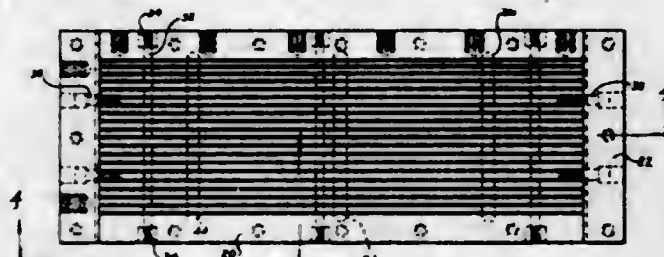
1. In a television receiver adapted to receive a signal carrier wave having its frequency modulated within a predetermined range in accordance with video signals and having its frequency shifted to two different frequencies outside said range in accordance with line and field synchronizing signals, in combination, means for receiving said signal carrier wave, frequency discriminating means for deriving video signals from said

carrier wave, picture reproducing means controlled by said video signals, a first frequency discriminating circuit substantially responsive only to a carrier frequency outside of said range characteristic of line synchronizing signals, a second frequency discriminating circuit substantially responsive to a carrier frequency outside of said range characteristic of said field synchronizing signals, said first and second circuits having applied thereto video signal components and synchronizing signal components, means for deriving line synchronizing signals from said first circuit, means for deriving field synchronizing signals from said second circuit, and means for controlling said picture reproducing means in accordance with said line and field synchronizing signals.

2,435,737

MAGNETIC CHUCK TOP PLATE

George J. Carson, Worcester, Mass., assignor to O. S. Walker Company, Inc., a corporation of Massachusetts
Application August 7, 1944, Serial No. 548,421
2 Claims. (Cl. 175-367)

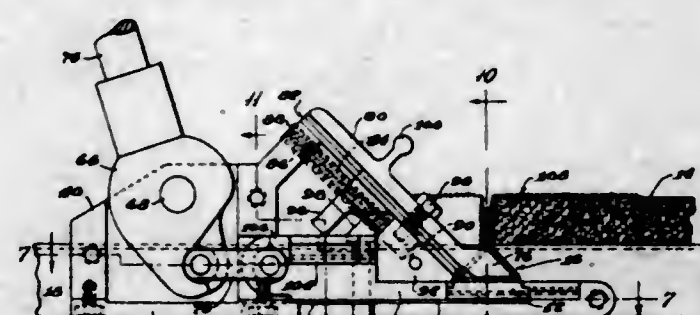


1. A rectangular top-plate for a magnetic chuck, said top-plate comprising a plurality of prefabricated alternate thin magnetic and non-magnetic strips extending longitudinally of the top-plate, the outermost strips at each side being non-magnetic, a wider soft iron side piece adjacent and contacting each of the outermost non-magnetic strips, non-magnetic end pieces located transversely of the strips, the strips being provided with a plurality of aligned slots forming a channel extending transversely of the strips at the bottom surface only of the plate, non-magnetic fusible metal filling the channel and rigidly binding the strips together in a fixed unit, and means securing the end pieces and side pieces to the assembled strips.

2,435,738

FASTENER INSERTING TOOL

Henry H. Crafton, Baden, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1944, Serial No. 553,317
7 Claims. (Cl. 29-200)



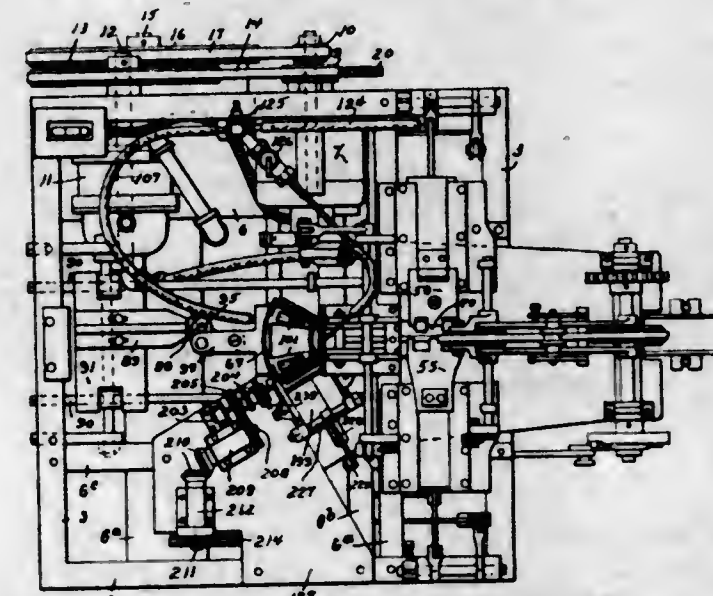
1. A tool for inserting a fastening member in a corrugated metal building sheet comprising an elongated housing adapted to be placed within an open cell of the corrugated metal sheet, means carried by said housing for supporting a fastening member, a pair of laterally movable blocks supported in said housing, means for spreading said blocks apart into engagement with opposed

side walls of said open cell to effect widening of the latter to permit reception of said fastening member, said fastener supporting means having provision for automatically depositing a fastener into the widened portion of said cell.

2,435,739

MECHANISM FOR APPLYING ADHESIVE TO BLANKS IN JACKET FORMING MACHINES

Jacob Cutler, Matapan, Mass., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Original application July 10, 1943, Serial No. 494,239. Divided and this application November 6, 1944, Serial No. 562,182
7 Claims. (Cl. 91-53)

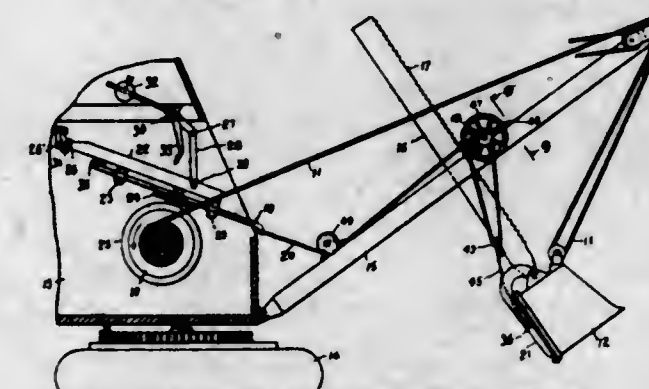


2. In a machine of the class described where-in jacket blanks are spotted with an adhesive, removed from a magazine and shaped around a mandrel; the combination of a magazine for holding a stack of flat blanks; a jacket blank transferring mechanism for lowering blanks one at a time from the bottom of the stack; and means including an adhesive applicator to apply adhesive to the underside adjacent the longitudinal edge of the blank in the magazine, said blank transferring mechanism having provision for drawing the blank over the said adhesive applicator to effect a brushing action on the adhesive as the blank is withdrawn from the magazine.

2,435,740

TRIP MECHANISM FOR POWER SHOVELS

James H. Edwards, Village of Welland Junction, Ontario, Canada
Application March 28, 1946, Serial No. 657,845
3 Claims. (Cl. 214-146)



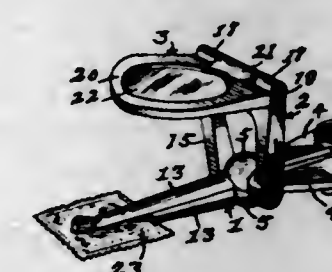
1. In excavating mechanism of the class described, the combination with dipper door latch mechanism and a hoisting cable drum, of instrumentalities for operating the latch mechanism by utilizing the drum as a source of power comprising an annular friction face provided on the drum, a trip cable, a drawbar connected to the trip cable having a friction face for engag-

ing that of the drum in order to pull the trip cable in an operational movement, a carriage supporting the drawbar for endwise movement and mounted for transversely shifting the drawbar to engage the friction face thereof with that of the drum, a hand lever for operating the carriage, and a buffer on the drawbar for limiting the travel thereof in pulling the trip cable.

2,435,741

COMBINED TONGS AND MAGNIFYING GLASS

Warren O. Fleenor, Stafford, N. Y.
Application October 20, 1944, Serial No. 559,566
5 Claims. (Cl. 88-39)

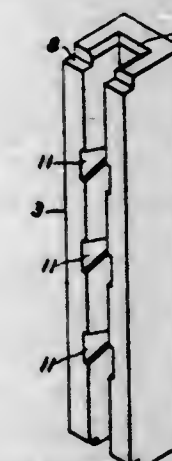


1. In a device of the class described, the combination of a single piece substantially U-shape yoke provided with springy clamping arms, said arms provided with hub-holding means on their inner sides, tongs between said arms, said tongs provided with a hub seated in said holding means, and a magnifying device hinged to said yoke.

2,435,742

ELEVATOR SHOE

Herbert C. Gaither, Detroit, Mich.
Application July 22, 1946, Serial No. 685,402
5 Claims. (Cl. 308-3)



1. An elevator shoe comprising a member of yielding rubbery material and of U-shape in transverse section, the internal plane surfaces of the side walls of the member each having a plurality of independent transverse grooves spaced longitudinally of the member, each of said grooves extending from the edge of a wall inwardly toward the wall of said member connecting said side walls.

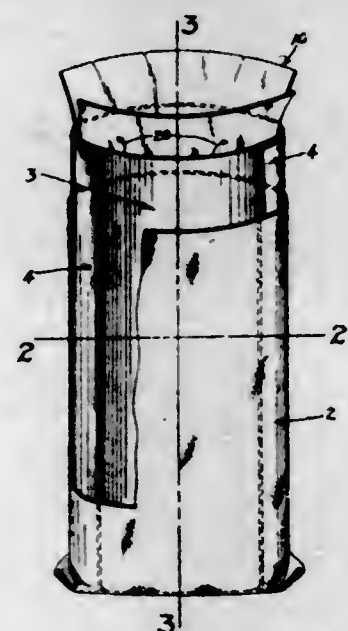
2,435,743

WATERPROOF BAG

William J. Gelmer, Minneapolis, Minn., assignor to Bemis Bro. Bag Company, Minneapolis, Minn., a corporation of Missouri
Application July 26, 1943, Serial No. 496,121
3 Claims. (Cl. 229-53)

1. A bag structure comprising an outer flexible walled supporting member having an inner independently formed liner therein constructed of a suitable non-porous waterproof material,

and a web of porous sheet material bent upon itself and inserted into the liner and extending substantially the height or length of the liner, the walls of said web being arranged to be separated and forced into engagement with apposed walls of the liner by a charge of material delivered into the bag, and the width of said web being



substantially equal to the width of the empty bag body said web serving to permit air entrapped in the liner by the charge delivered thereinto to escape from the open bag top by passing through the pores in said web and upwardly between the web and the adjacent walls of the liner.

2,435,744

FLAVORING SOLUTIONS

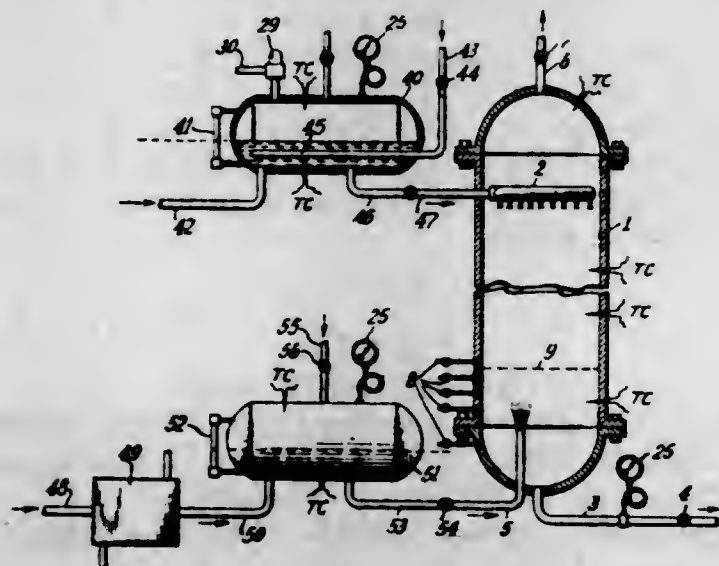
Carlisle G. Hartman, Glendale, Mo.
No Drawing. Application November 6, 1944,
Serial No. 562,254
3 Claims. (99—140)

1. An aqueous flavoring solution for imparting flavors to beverages and edibles, comprising about 25% of lauryl meta sodium sulfobenzoate, about 30% of citrous oil, about 10% of propylene glycol, about 10% of ethyl alcohol, and the balance water for sustaining the aforesaid materials in solution.

2,435,745

FAT HYDROLYSIS

Martin Hill Ittner, Jersey City, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application May 15, 1941, Serial No. 393,650
8 Claims. (Cl. 260—415)



3. In the process of hydrolyzing fats by causing fatty matter and water to flow countercurrently in direct contact in an autoclave under

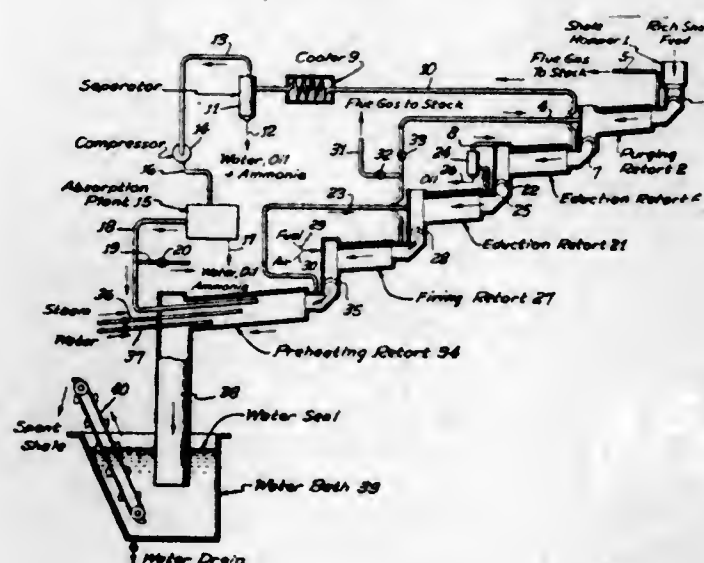
high temperature and pressure, the method of supplying heated fats for said countercurrent flow which comprises maintaining a quantity of hot fatty matter in direct contact with substantially inert gas, maintaining the pressure of said inert gas substantially higher than the pressure in said autoclave, utilizing the pressure of said inert gas to impel hot fatty matter to flow into said autoclave, and controlling the flow of said hot fatty matter into the autoclave.

7. In the countercurrent process of hydrolyzing fats with water to fatty acids and glycerine at elevated temperature and pressure, the method which comprises contacting hot fatty acids produced in the countercurrent process with water at lower temperature to effect cooling of the fatty acids and heating of the water by direct heat exchange, supplying additional heat to said water by direct steam, and contacting said heated water by countercurrent flow with fatty material to be hydrolyzed.

2,435,746

STAGE EDUCTION OF OIL SHALE

Philip H. Jones, Redondo Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 13, 1943, Serial No. 510,249
8 Claims. (Cl. 202—16)



1. A method for the recovery of shale oil from oil shale which comprises commingling oil shale with hot flue gas to heat said oil shale, removing said flue gas, heating said oil shale with hot lean shale gas and superheated steam to a temperature sufficient to partially educt said oil shale, separating hot rich shale gas and steam from the partially educted oil shale, cooling said hot rich shale gas and steam and separating water and shale oil therefrom, heating the partially educted oil shale with hot lean shale gas and superheated steam to a temperature sufficient to completely educt said partially educted oil shale, separating hot lean shale gas and superheated steam from liquid oil obtained by the complete eduction of said partially educted oil shale, removing said liquid oil, heating the completely educted oil shale by burning, and preheating lean shale gas by means of the sensible heat of spent shale.

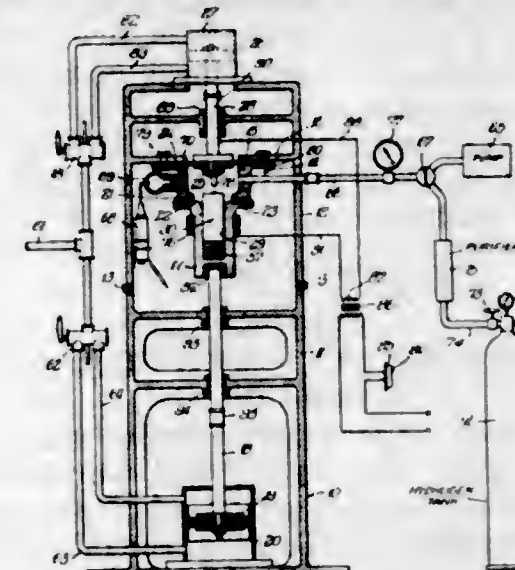
2,435,747

METHOD AND APPARATUS FOR SEALING CONTAINERS

Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application June 25, 1943, Serial No. 492,330
10 Claims. (Cl. 226—20)

7. A method of fabricating a hollow metal device of the character described including the

steps of, completing the device with a small port through a metal wall thereof, placing a headed plug in said port with the head of the plug outside the port and with the stem extending into the port in a non-sealing manner, enveloping said device with said plug in place in a gaseous

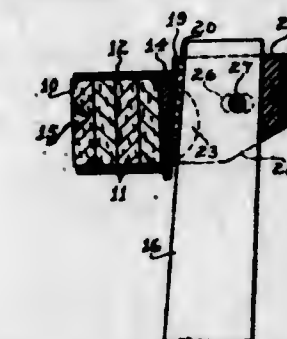


environment of a character corresponding to a gaseous content desired in the device, exerting pressure on said head, and simultaneously heating said head to weld the head to the device thereby to seal the device while in said environment.

2,435,748

LOOM PICKER

Sherman D. Lesesne, Worcester, Mass., assignor to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts
Application March 27, 1946, Serial No. 657,531
3 Claims. (Cl. 139—159)



1. A loom picker head comprising a cup shaped metal casing having its closed end integral with a metal ferrule whose opening is longer transversely than the corresponding dimension of the picker stick which is surrounded thereby, a layer of resilient material on the inner wall of the ferrule remote from the base of the casing which is highly compressed by insertion of the stick into the ferrule and serves to hold the head tightly on the stick without wearing the latter, a resilient buffer between the base of the casing and the adjacent face of the stick, means for locating the head on the stick and limiting its movement lengthwise thereof but which does not restrict transverse movement provided by the resilient material, and impact receiving means secured within the casing for receiving the impact of the shuttle.

2,435,749

CHECK STRAP FOR LOOMS

Sherman D. Lesesne, Worcester, Mass., assignor to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts
Application March 27, 1946, Serial No. 657,532
3 Claims. (Cl. 139—161)

1. A loom check strap for restraining the movement of a picker stick therebetween comprising two outer elongated, friction resistant layers of leather and an intermediate reinforcement of

substantial thickness therebetween having cords extending throughout the effective length of the strap and bonding means for securing the cords



in position whereby they resist longitudinal stretching of the strap during use and impart stiffness to the strap.

2,435,750

PROCESS FOR PREPARING PHOSPHORILATED THIAMIN

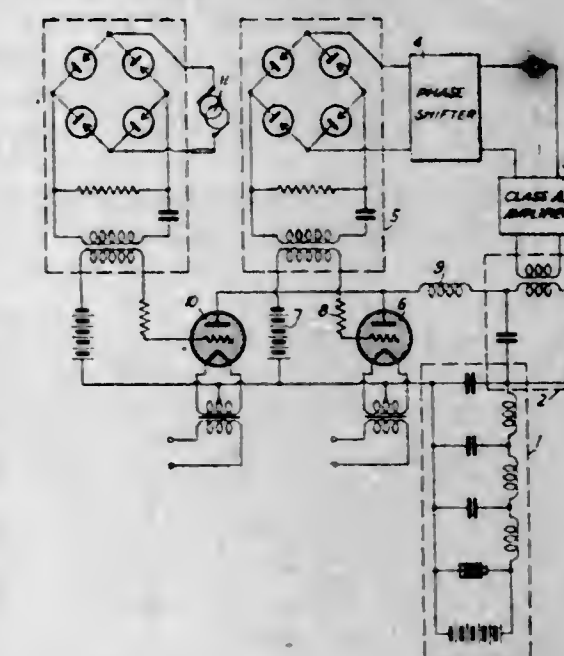
Ben Maizel and Irving Gerson, Chicago, Ill., assignors to Vico Products Company, Chicago, Ill.
No Drawing. Application July 7, 1945,
Serial No. 603,750
8 Claims. (Cl. 260—251)

1. The process which comprises reacting a thiamin salt with an excess of phosphoric acid containing from about 75% to about 81% of P_2O_5 at a temperature of about 100 to about 200 degrees C., cooling the reaction mixture to about 30–40 degrees C., adding the same to crushed ice, adding a member selected from the group consisting of hydrated lime and calcium carbonate until the reaction mixture has a pH of about 4 to about 5.5, filtering, evaporating the filtrate to a low volume, removing any precipitate which forms, adding a mixture of ethyl alcohol and ethyl ether, and recovering the phosphorilated thiamin in the form of crystals.

2,435,751

FREQUENCY AND PHASE CORRECTION IN OSCILLATORS

Montford Morrison, Upper Montclair, N. J.
Application September 23, 1943, Serial No. 503,568
5 Claims. (Cl. 250—36)



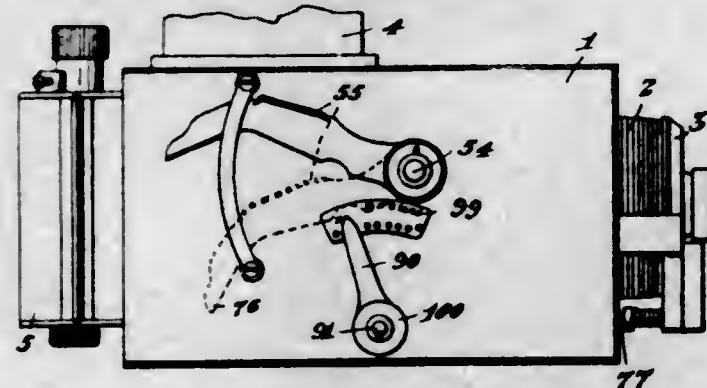
5. In an oscillator system for alternating currents; a local relaxation generator of oscillations having inherent timing, a source of power and two gaseous discharge tubes to initiate power currents; a control current feed-back circuit to one of said tubes to provide initiated power currents under local timing, a remotely disposed source of alternating control current connected to the other of said tubes, and electrical circuit means to cause the second of said tubes to initiate power currents in said generator in the absence of initiation thereof by first of said tubes.

2,435,752

**CAMERA DIAPHRAGM SETTING
ARRANGEMENT**

Harold Pearce, Ottawa, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada
Original application April 20, 1943, Serial No. 483,771. Divided and this application February 23, 1945, Serial No. 579,403

1 Claim. (Cl. 95-64)



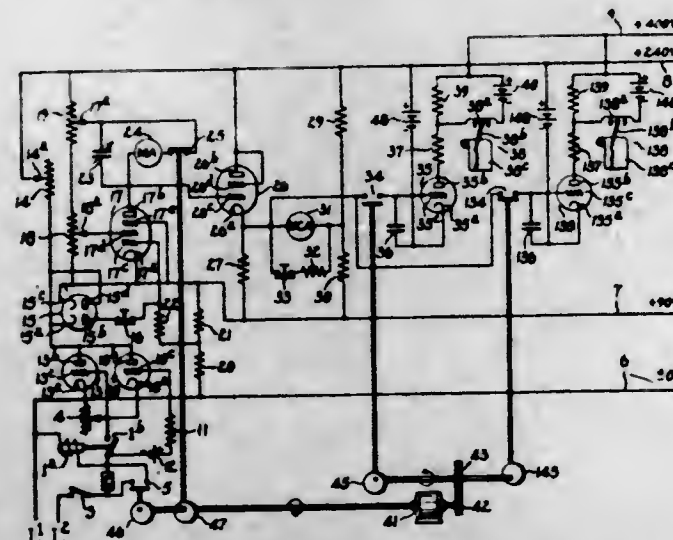
A camera comprising an adjustable diaphragm, a shutter, a lost motion shutter tripping mechanism, a longitudinally extending rod so connected to the diaphragm that rotation of the rod varies the diaphragm opening, a resilient connection between said rod and said shutter tripping mechanism sufficiently strong to rotate said rod upon movement of said mechanism in the absence of obstruction to such rotation, means for predetermining the size of the diaphragm opening without moving the diaphragm, said means including a manually adjustable diaphragm opening indicator unconnected with the diaphragm, an arm rotatable with the rod and extending radially therefrom, a slide movable parallel to the rod and having an inclined face against which said arm is adapted to strike, and means connected to the indicator for moving the slide to vary the point on said face against which said arm strikes.

2,435,753

APPARATUS FOR RECORDING THE DURATION OF A TRANSIENT EFFECT

Walther Richter, Whitefish Bay, and William H. Elliot, Shorewood, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application October 7, 1943, Serial No. 505,274
6 Claims. (Cl. 234-1.5)



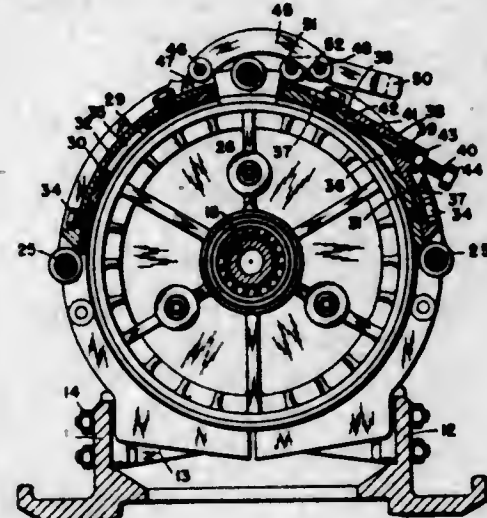
1. In apparatus for recording the period of simultaneity of two conditions of a circuit, the combination with a condenser and means responsive to each condition individually and arranged to supply a substantially constant current to said condenser while said conditions persist simultaneously, of a current responsive recording meter, an electron tube arranged to supply current to

said recording meter and having a plurality of electrodes including a control electrode adapted to vary the current supplied by said tube in accordance with the voltage difference between said control electrode and another electrode of said tube, a second condenser connected to said control electrode, means for charging said second condenser to a voltage which is proportional to the ultimate voltage of said first condenser, and means for impressing between said control electrode and said other electrode of said tube a voltage which is a function of the voltage of said second condenser.

2,435,754

**ADJUSTABLE BRAKE BAND FOR SLUSHER
HOISTS**

Robert D. Roth, Cleveland, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 26, 1944, Serial No. 569,681
3 Claims. (Cl. 188-77)

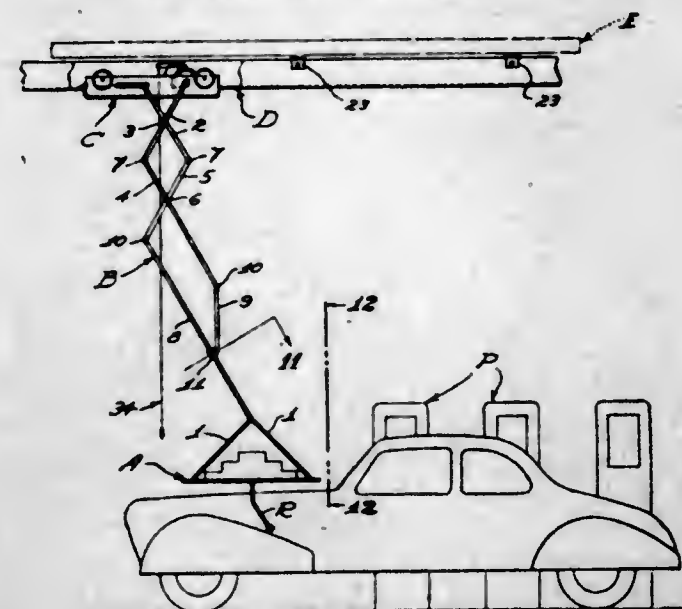


1. In mechanism of the character described, a drum, a brake band positioned around the drum, segmental plates upon which said band is mounted, means attached to said plates for actuating said band, an intermediate plate rigid with said band interposed between the band and one of said segmental plates, said intermediate plate having a longitudinal slot formed therein, and means carried by said last named segmental plate disposed in said slot and engaging said intermediate plate for adjusting said band with respect to said last named segmental plate.

2,435,755

DISPLAYING AND DISPENSING APPARATUS

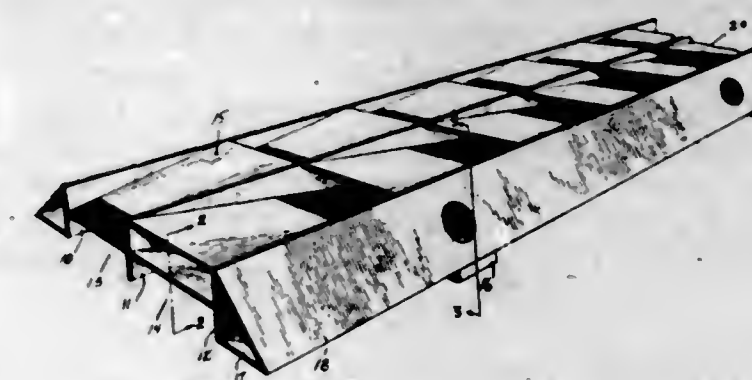
Charles H. Schimpff, Pasadena, Calif.
Application February 20, 1946, Serial No. 649,070
6 Claims. (Cl. 186-1)



6. In apparatus for displaying goods to be sold at a motor vehicle service station, garage or the

like where motor vehicles are driven onto and stopped in a servicing zone, an overhead support, a display tray on which are supported articles to be displayed and sold, an extensible and retractable tray supporting means operable for moving the tray from an out-of-the-way position into a display position in the path of a motor vehicle stopped in said service zone and with the tray close to the occupant or occupants of the vehicle, a carriage supporting said tray supporting means and movable on said overhead support for disposing the tray supporting means and tray in different locations, brake means operating to prevent movement of said carriage when the tray is in out-of-the-way and display positions and releasing said carriage when the tray is disposed between its out-of-the-way and display positions, latch means for holding said tray supporting means against retraction when in extended positions, latch releasing means, and means automatically retracting said tray supporting means incident to release of said latch means.

viewed from said first direction and the open ends of said second series of recesses appear as a series

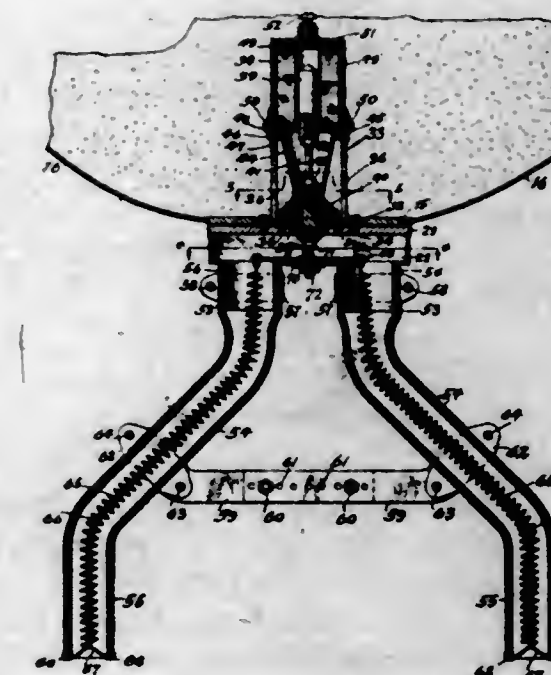


of shadows when viewed from said opposite direction.

2,435,758

**ROADWAY SANDING APPARATUS FOR
VEHICLES**

Mahlon C. Snyder, Hamburg, N. Y.
Application August 31, 1946, Serial No. 694,337
4 Claims. (Cl. 291-36)



1. A roadway sanding apparatus for vehicles comprising a sand storing box adapted to be mounted on the vehicle and having a sand outlet, and means for controlling the discharge of sand through said outlet including an upwardly facing valve seat surrounding said outlet, a valve closure movable downwardly toward seat for closing said outlet and upwardly for opening said outlet, operating means for actuating said valve closure including a solenoid electro-magnet arranged in sand box above said outlet and valve closure and having a plunger connected with said valve closure and an electric coil surrounding said plunger, a standard arranged in said box and having openings in its lower part for conducting sand from the interior of said box to said outlet and also having an upwardly facing shoulder on its upper part upon which the lower end of said coil is removably supported, and means for holding said coil against said shoulder.

2,435,757

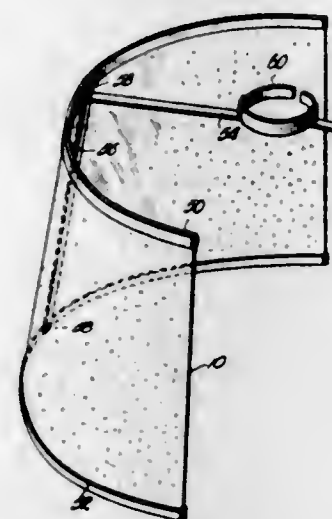
HIGHWAY MARKING DEVICE

Henry C. Snead, Jr., San Francisco, Calif.
Application September 20, 1943, Serial No. 503,171
6 Claims. (Cl. 94-1.5)

6. On a highway surface a marker comprising three vertical spaced parallel members forming two adjacent parallel slots, a plurality of inclined members placed in each slot, members in one of said slots forming a series of open ended recesses placed in one direction along the longitudinal axis of the highway surface, members in the other of said slots forming a series of open ended recesses faced in the opposite direction along the longitudinal axis of the highway surface, whereby the open ends of said first series of recesses appear as a series of shadows when

607 O. G.-20

material formed to present an annulus and having means for securing the ends thereof together; a supporting ring at each edge respectively of said annulus; a pair of relatively stiff, L-shaped brackets, each formed from a single member, one leg of each bracket spanning the distance between said supporting rings within said annulus and being secured to the innermost faces of the supporting rings in diametrically opposed relation, the other leg of each bracket being rebent upon said one leg thereof at the point of connection of the brackets to one of the supporting rings; and a supporting member constituting a ring-shaped band joined to the free ends of said other leg of each bracket and interposed between planes through said other legs of the brackets and the normally uppermost edge of said strip of material respectively.



tion of the brackets to one of the supporting rings; and a supporting member constituting a ring-shaped band joined to the free ends of said other leg of each bracket and interposed between planes through said other legs of the brackets and the normally uppermost edge of said strip of material respectively.

2,435,760

THERMAL CONVERSION OF HYDROCARBONS PROMOTED BY EXPLOSIVE ORGANIC NITROGEN COMPOUNDS

Carlisle M. Thacker, Highland Park, and Hillis O. Folkins, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application March 14, 1942, Serial No. 434,790

6 Claims. (Cl. 260-683)

2. The process of cracking hydrocarbons containing 3 or more carbon atoms per molecule in a reaction zone at elevated temperature suitable for cracking, comprising introducing into the hydrocarbons in the reaction zone a small amount of high explosive selected from the group consisting of nitroglycerin, trinitrotoluene, trinitroxyethylene, tetryl, picric acid, cellulose hexanitrate and nitromannite.

2,435,761

ALKYLATION OF HYDROCARBONS

Carlisle M. Thacker, Highland Park, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application March 26, 1945, Serial No. 585,013

4 Claims. (Cl. 260-683.4)

1. The method of alkylating paraffin hydrocarbons by means of a compound selected from the group of olefins and alkyl chlorides comprising, contacting said paraffin hydrocarbons and said compound under alkylating conditions of time, temperature and pressure in the presence of boron trifluoride and a promoter selected from the group consisting of chlorine and bromine.

2,435,762

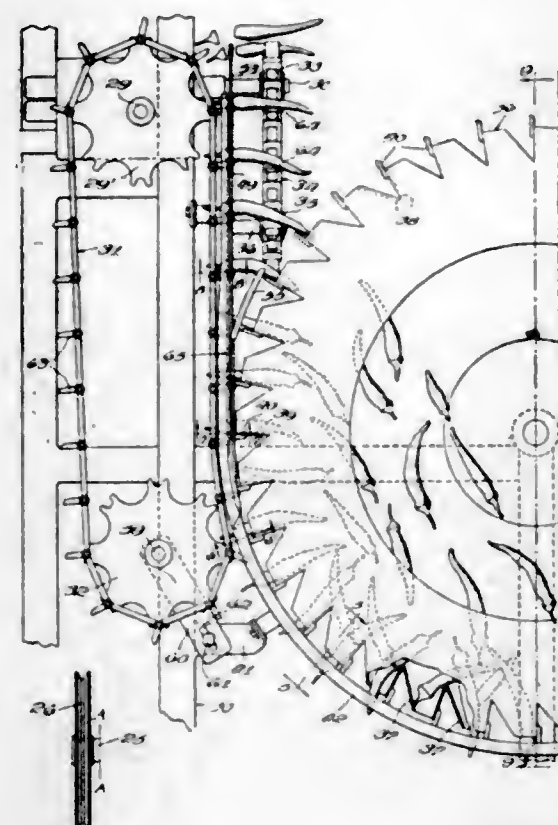
MACHINE FOR REMOVING THE ENDS OF ELONGATED FOOD ARTICLES

William E. Urschel, Valparaiso, Ind.

Application October 9, 1944, Serial No. 557,767

11 Claims. (Cl. 146-81)

1. A machine for removing an end of elongated food articles comprising a frame, a drum rotatable in an upwardly extending plane, means for radially positioning so as to protrude beyond the circumference of the drum elongated food articles, guide means mounted on the frame and extending upwardly along a portion of the drum's circumferential periphery from a position of lower elevation than the axis of such drum for aligning the food articles within the drum, a pair of grip-



ping rails each having one end positioned between the guide means and the periphery of the drum, a cutting zone adjacent the gripping rails, means for rotating the drum so that the protruding elongated articles will be successively forced between the gripping rails, and means for moving said elongated articles along the gripping rails to the cutting zone.

2,435,763

HYDROGEN BROMIDE CATALYZED OXIDATION REACTIONS

William E. Vaughan, Berkeley, Calif., and Edward R. Bell, Norwalk, Ohio, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 13, 1944,

Serial No. 526,335

13 Claims. (Cl. 260-610)

13. In a process for the controlled oxidation of organic compounds to produce oxygenated compounds having at least the same number of carbon atoms per molecule as the starting organic compound, which process comprises subjecting an organic compound having at least one replaceable hydrogen atom to the action of oxygen and of hydrogen bromide at an elevated temperature below that at which spontaneous combustion occurs, the improvement which comprises contacting the effluent reaction mixture thus formed with an olefin substantially as soon as said mixture is formed, to effect a reaction between said olefin and bromine formed as a by-product of the oxidation reaction.

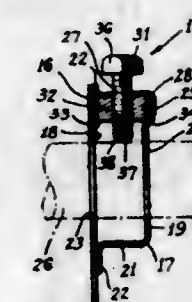
2,435,764

HUB

John H. Wessel, Los Angeles, Calif., assignor to Utility Appliance Corp., Los Angeles, Calif., a corporation of California

Application July 14, 1945, Serial No. 605,030

4 Claims. (Cl. 287-52)



1. In a hub, the combination of: a disc provided with a central opening; a generally cup-shaped member connected to said disc and cooperating therewith to define a space, said cup-shaped member including a peripheral wall having a radial opening which communicates with said space, and including a transverse wall having a central opening which is aligned with said opening in said disc; a nut having a threaded opening therethrough, said nut being positioned in said space with said threaded opening in registry with said radial opening in said peripheral wall, and being in contact with portions of said transverse and peripheral walls and with a portion of said disc; means for retaining said nut in said position in said space comprising a projection on said disc and a projection on said transverse wall, said projections extending into said space and engaging said nut; and a screw extending through said radial opening in said peripheral wall and threaded in said opening in said nut.

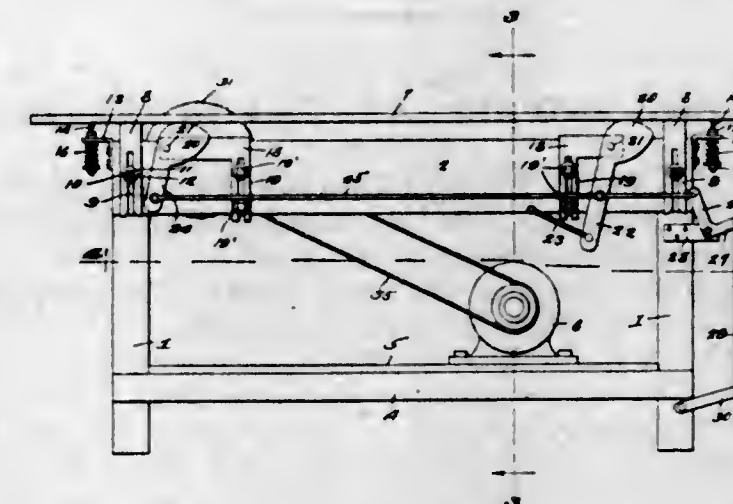
2,435,765

SAW TABLE

Ralph V. Anderson, Valencia, Pa.

Application February 19, 1945, Serial No. 578,616

1 Claim. (Cl. 143-132)



A saw table including a supporting structure having a motor driven rotary saw, a table top having a slot positioned to receive the saw, members on the structure adjustable toward or from said top, cams movably mounted on said members and engaging the top, means under the control of an operator for simultaneously actuating the cams to lift the top relative to the structure and saw when said members are in any selected position, cooperating means on the top and the structure for guiding the top during said movement, and spring restrained means carried by the top and movably connected to the structure for resisting the lifting action of the top.

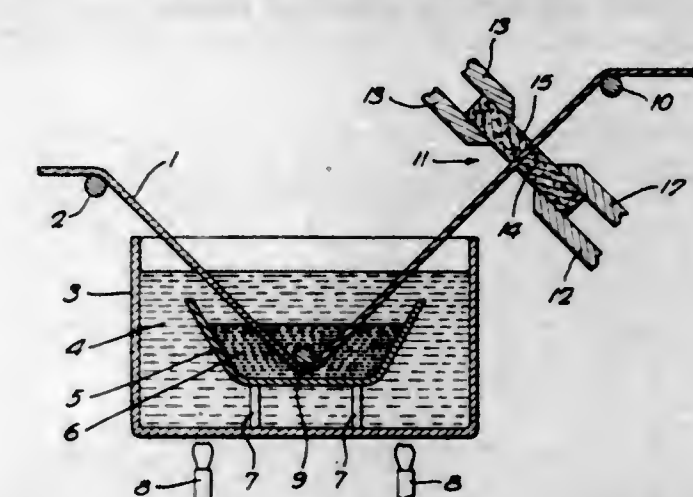
2,435,766

WIPER FOR USE IN METAL PLATING APPARATUS

Joseph J. Bailey, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 11, 1944, Serial No. 530,443

2 Claims. (Cl. 91-59.4)



2. In a tin plating apparatus, a wiper assembly for removing excess tin from the material being plated comprising a block of asbestos impregnated with graphite disposed to effect wiping engagement with a surface being plated, and block engaging members for supporting the block in wiping engagement with a surface being plated.

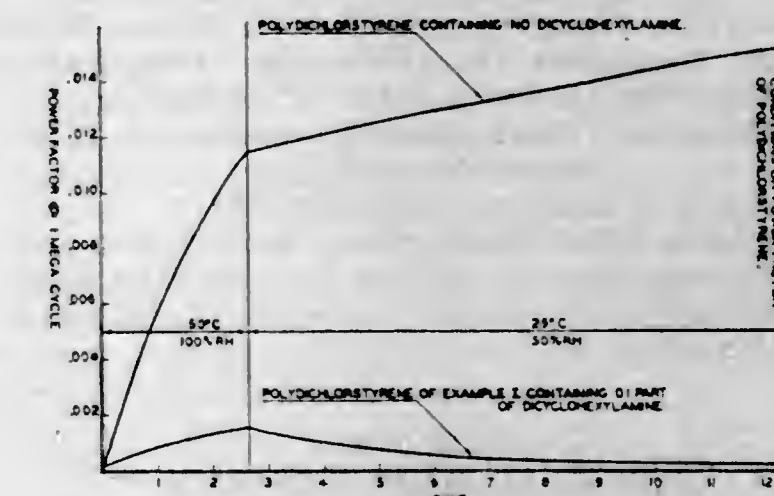
2,435,767

HALOSTYRENE POLYMERS

Costas H. Basdekis, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application March 23, 1945, Serial No. 584,388

4 Claims. (Cl. 260-74)



1. A composition comprising 100 parts of a polymeric halogenated styrene taken from the group consisting of polymerized mono-, and di-, fluoro bromo, and chloro styrenes and from 0.01 to 1.0 part of a member of the group consisting of dicyclohexylamine and its alkyl substitution products.

2,435,768

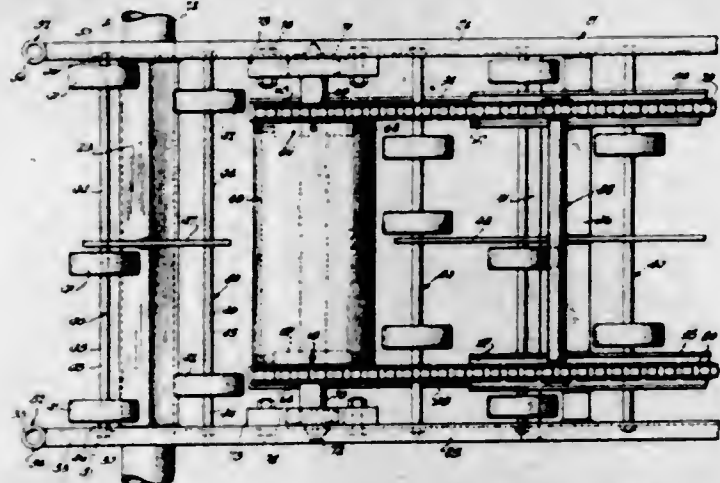
PUSHER CONVEYOR UNIT

John Leo Biggs, Chicago, Ill.
Application January 19, 1946, Serial No. 642,139

3 Claims. (Cl. 198-168)

2. In a conveyor unit, the combination of a substantially rigid rectangular frame, said frame comprising a pair of longitudinally extending stiff channels joined by a plurality of transversely extending angle members welded to said channels at regularly spaced points, a plurality of tensioned rods extending from channel to channel, said rods being provided with threaded portions and complementary threaded members, whereby

they may be placed under tension and rendered relatively stiff, said rods supporting a plurality of spacers and anti-friction rollers, and the rollers upon one rod being staggered with respect to rollers on adjacent rods, a pair of longitudinally extending upwardly open chain guides, said chain guides being resiliently supported upon relatively light transverse resilient frame members and the chains being supported slightly above the rollers, sprockets at each end of said frame for support-



ing said chains, the chains being endless, and transverse roller members carried by oppositely located links of said chains and at regularly spaced points for pushing articles longitudinally of the frame on the chain or rollers, the said chains and chain guides being depressed by the application of heavy loads so that heavy loads are carried by the rollers, and the chains and chain guides being of sufficient strength to support light loads without engaging the rollers, whereby both light and heavy loads may be moved with a minimum amount of friction.

2,435,769

STABILIZERS FOR VINYL POLYMERS

La Verne E. Cheyney and Carl R. Parks, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application November 25, 1942,
Serial No. 466,916

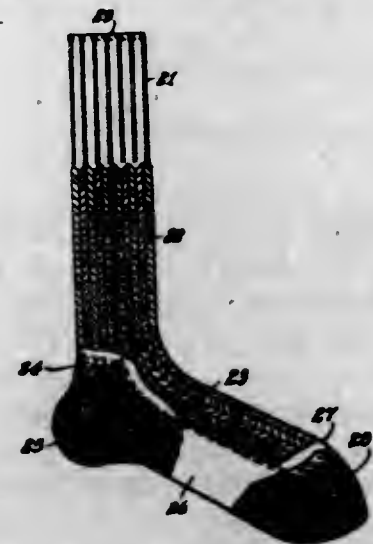
6 Claims. (Cl. 260-38)

1. A color stable resin which comprises a polymer of vinyl chloride having incorporated therein from 0.05 to 5 percent (based on the polymer) of formamide.

2,435,770

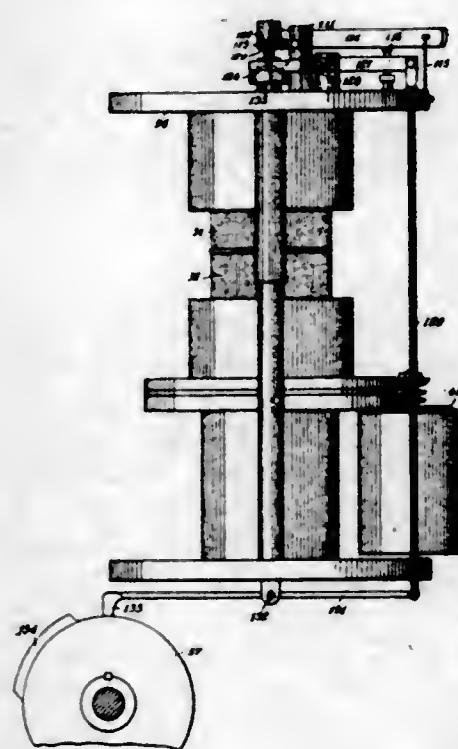
CIRCULAR KNIT HOSIERY

Edgar W. Clarke, Hamilton, Ontario, Canada, assignor to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey
Application July 14, 1945, Serial No. 605,020
14 Claims. (Cl. 66-178)



8. An article of hosiery comprising leg and instep portions of Links-Links fabric and integral heel, sole and toe portions of terry fabric.

2,435,771
CIRCULAR KNITTING MACHINE
Edgar W. Clarke, Hamilton, Ontario, Canada, assignor to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey
Original application July 14, 1945, Serial No. 605,020. Divided and this application February 6, 1946, Serial No. 645,862
16 Claims. (Cl. 66-14)

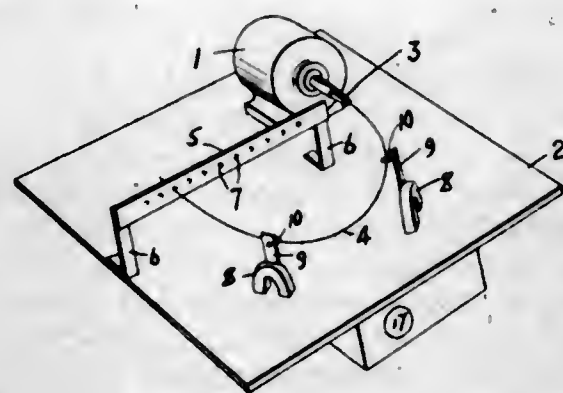


1. In a knitting machine having coaxial needle cylinders with needles operable in either cylinder, and means for feeding a plurality of threads to the needles, the combination with means for operating the needles to receive and knit thread fed by said feeding means, of pattern controlled mechanism for transferring selected needles from one cylinder to the other during said knitting operation to form inwardly facing stitches and outwardly facing stitches in predetermined sequences in selected needle wales, and instrumentalities cooperating with the needles to draw longer loops of one of said threads than of another to form portions of terry fabric.

2,435,772

METHOD AND APPARATUS FOR TESTING WIRE

Philip C. Clarke, Line Lexington, Pa., assignor to Hunter Pressed Steel Company, Lansdale, Pa., a corporation of Pennsylvania
Application August 16, 1944, Serial No. 549,741
4 Claims. (Cl. 73-100)



1. The method of rotating beam fatigue testing wire which includes supporting at opposite points a loop of wire with the ends of the wire extending from the loop parallel to each other and of a

form such that the distance between the points of support of the loop will equal

$$1.198 \frac{Ed}{s}$$

where E is Young's modulus, d is the diameter of the wire and s is a bending stress in excess of the endurance limit of the material of the wire under which the wire is to be tested and such that the height of the loop is equal to 0.835 times the distance between the points of support of the loop and rotating the wire until it breaks.

2,435,773

BUTADIENE-ACRYLONITRILE COPOLYMER PLASTICIZED WITH ISOBUTYL BETA ISOBUTOXY PROPIONATE

Albert M. Clifford and Joy G. Lichty, Stow, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application November 12, 1943,
Serial No. 510,034

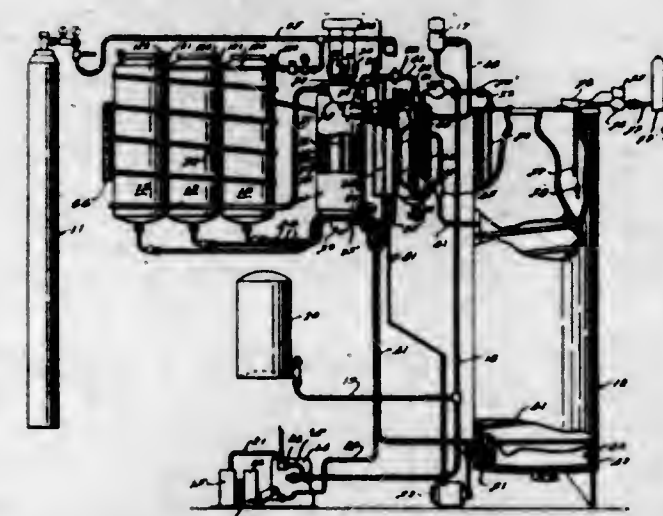
1 Claim. (Cl. 260-36)

A rubber-like copolymer of butadiene and acrylonitrile plasticized with isobutyl beta isobutoxy propionate.

2,435,774

REFRIGERATED LIQUID DISPENSING APPARATUS

Carmelo V. Di Pietro, Birmingham, Mich.
Application February 27, 1943, Serial No. 477,465
18 Claims. (Cl. 62-141)



1. In a dispensing apparatus for carbonated water, the combination with a carbonator having a cooling chamber therein and a tank for supplying water to the carbonator and having a cooling coil in thermal relation therewith, of a mechanical refrigerating system comprising a liquid refrigerant feed conduit connected with the chamber in the carbonator, a branch conduit connecting the feed conduit directly with the tank coil, said branch conduit extending downwardly in relation to drain the carbonator chamber of refrigerant when the system is not operating, and a return line connected with the outlet ends of the chamber and the coil.

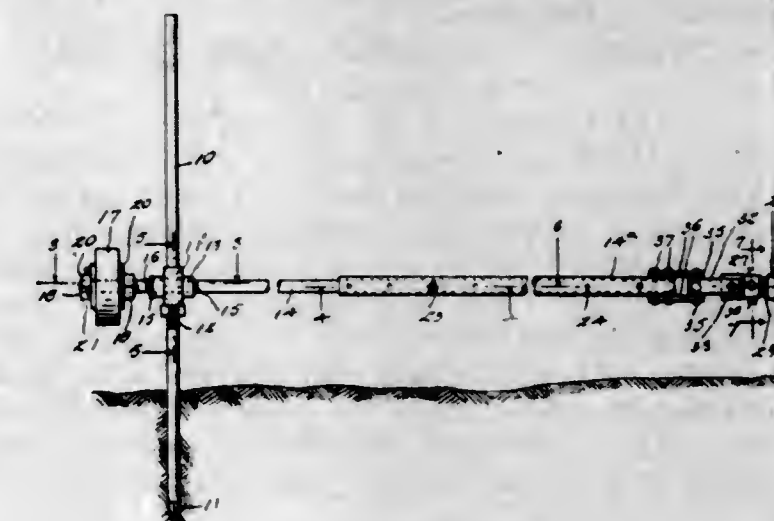
2,435,775

DISC AND BLADE SHARPENER

Walter F. French, Schlater, Miss., assignor to Horace Y. Kitchell, Greenwood, Miss.
Application November 20, 1943, Serial No. 511,121
2 Claims. (Cl. 51-170)

2. An assembly of the class described comprising a post, a bearing adjustably mounted on the post, a shaft journaled in the bearing and adapted to operate a grinding wheel or the like,

a coupling, universal means for connecting the coupling to the shaft whereby the shaft will rotate with the coupling, said coupling being adapted to be adjustably fixed to a driven rotary



member for revolving the shaft, said shaft being formed of telescopic sections, and means for securing the shaft sections together in adjusted positions.

2,435,776

ARCH-SUPPORTING INSOLE

George W. Gellear, Brockton, Mass.
Application March 23, 1946, Serial No. 656,650
2 Claims. (Cl. 36-8.5)



1. A device of the character described comprising a sole having a rear heel guard extending thereabove with forwardly extending wings projecting from the sides thereof to be disposed in crossed relation under the heel portion of said sole and secured thereto, said heel guard and attached wings and the heel portion of said sole forming a heel receiving seat, said sole extending forwardly to a point beneath the ball of a foot when placed thereon, tabs projecting from the intermediate sides of the sole adapted to form an arch support either above or below said intermediate sole portion.

2,435,777

PREPARATION OF QUATERNARY AMMONIUM POLYACRYLATES

Frank J. Glavis, Elkins Park, and Harry T. Neher, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 31, 1945,
Serial No. 575,566
15 Claims. (Cl. 252-77)

1. A process for preparing quaternary ammonium polyacrylates, the quaternary nitrogen atom of which carries neutral substituents selected from aliphatic, arylaliphatic, and cycloaliphatic groups of not over ten carbon atoms each bound to the quaternary nitrogen at a saturated carbon atom thereof, which comprises preparing a solution of the corresponding quaternary ammonium hydroxide in a solvent selected from the class consisting of methoxymethoxyethanol and methoxyethoxyethanol, combining said solution and a saponifiable ester of polyacrylic acid and a saturated lower aliphatic alcohol and reacting same to form a quaternary ammonium salt of polyacrylic acid.

2,435,778

RECOVERY OF FINELY DIVIDED POLYMER FROM AQUEOUS EMULSION

Albert J. Gracia, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application April 11, 1941,

Serial No. 388,097

11 Claims. (Cl. 260—84.5)

1. A method of recovering a water-insoluble solid polymerized olefinic material from an aqueous emulsion containing sodium lauryl sulfate as the emulsifier which comprises adding, while agitating in the cold, a potassium salt at least molecularly equivalent to the sodium lauryl sulfate to form the potassium salt thereof and break the emulsion, collecting the polymerized material as a finely divided precipitate and washing the same to remove soluble salts therefrom.

2,435,779

COMBINATION WEIGHT BOX AND GUIDE FOR ELEVATOR GATES AND THE LIKE

Nicholas R. Guilbert, Jr., Chestnut Hill, Pa.

Application October 26, 1945, Serial No. 624,796

1 Claim. (Cl. 16—94)



A combined weight box and guide for elevator gates comprising an elongated member of rectangular channel section, a second member of right angle section having an outturned flange on one longitudinal edge and an intumed flange on the other and lying substantially within the first member with its outturned flange abutting the base and its intumed flange a side of the latter, means permanently securing said flanges to the channel member, a third member substantially similar to the second member lying in the channel member in prolongation of the second member, and means removably securing the outturned flange of the third member to the base of the channel member, the other side of the latter thus lying in spaced relation to the proximate sides of the other members.

2,435,780

ALKYL ESTERS OF α -CYANO- β -FURYLIDENE ACETIC ACID AS INSECT REPELLENTS

Ralph E. Heal, New Brunswick, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application October 27, 1943,

Serial No. 507,891

3 Claims. (Cl. 167—30)

1. An insect repellent comprising a solution of α -cyano- β -furylidene-acetic acid ethyl ester in a di-lower alkyl phthalate.

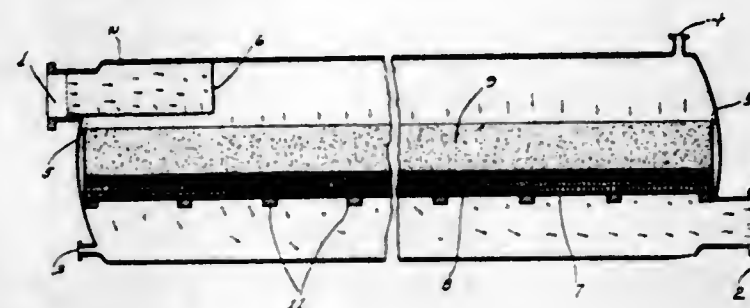
2,435,781

RECOVERY OF VOLATILE SOLVENTS

William P. Heydorn, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application April 30, 1945, Serial No. 591,108

7 Claims. (Cl. 183—49)



1. An adsorbing bed for the recovery of volatile organic liquid vapors which comprises a horizontally disposed metallic member having a plurality of transverse apertures therein, a porous layer of integral shapes of a ceramic material superposed on said metallic member and a layer of granular activated carbon superposed on said porous layer of integral shapes.

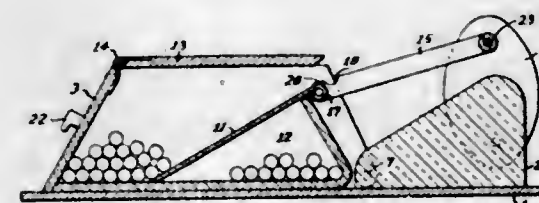
2,435,782

CIGARETTE DISPENSER

Francis Vincent Higgins, Fayetteville, N. Y.

Application April 13, 1946, Serial No. 662,074

7 Claims. (Cl. 312—77)



7. In a cigarette dispenser the combination of a base member, a container pivotably mounted at one end on said base member, having a slot at the top thereof at the pivoted end for discharging cigarettes, and having an opening for receiving cigarettes, a cover for said opening, a ramp in said container forming an angle with the bottom of the container and leading to the slot and a pair of arms operably connected to the container adjacent to the slot, said arms having indentations at the ends adjacent to the slot and operating to tilt the container and to receive and hold a discharged cigarette.

2,435,783

RUNNING WHEEL FOR AGRICULTURAL VEHICLES

Gustav Hintze, Berlin N. W. 21, Germany; vested in the Attorney General of the United States

Application April 9, 1940, Serial No. 328,673

In Germany June 3, 1937

Section 3, Public Law 690, August 8, 1946

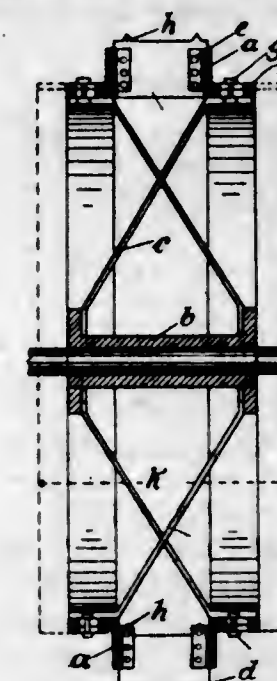
Patent expires June 3, 1957

1 Claim. (Cl. 301—39)

A running wheel for agricultural vehicles, comprising in combination with a hub, a rim composed of two parts each one of rectangular cross-section and fixed on said hub by means of spokes the horizontal arm of said rim parts having transverse slots, and flat rings having transverse slots placed on said horizontal arms so that they

can be shifted outwards and inwards, screw bolts extending through said transverse slots in the

the bell being sealed from the atmosphere, and the spaces between the bell and the slotted cyl-



shiftable rings and in the horizontal arms of the rim parts.

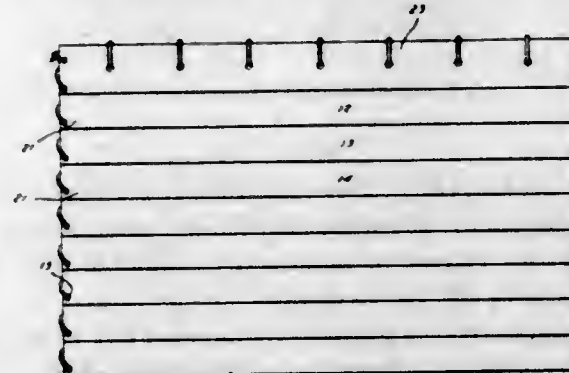
2,435,784

EXTERNAL COVER CONSTRUCTION FOR HANDBAGS

Eugene R. Hoffmann, Miami, Fla.

Application January 20, 1945, Serial No. 573,660

2 Claims. (Cl. 150—28)



1. A hand bag formed of a series of slats overlapping one another to shed water, an inner flexible bag within the slatted bag, a series of rings connecting the upper edges of said inner bag to the upper pair of said slats, and laces inserted only through the end portions of said slats and connected to said pair of slats to retain said slats in overlapping relation.

2,435,785

WEATHER-FORECAST APPARATUS

Johannes Ingenhof, Haarlem, Netherlands

Application April 26, 1938, Serial No. 204,453

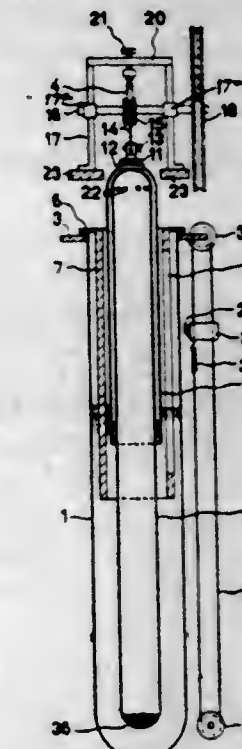
In the Netherlands April 26, 1937

Section 3, Public Law 690, August 8, 1946

Patent expires April 26, 1957

4 Claims. (Cl. 73—4)

1. A weather forecast apparatus comprising a glass tube closed at its lower end and open at its upper end and containing a non-volatile liquid, an air-filled inner cylinder sealed at its lower end and open at its upper end, a bell surrounding said cylinder for a part of its length and in communication with the upper end of the cylinder and a slotted cylinder having a longitudinally extending slot and positioned between the bell and tube, means for supporting the inner cylinder, the slotted cylinder and the bell in the open end of the glass tube, the dimensions of the glass tube, slotted cylinder and bell being such that capillary spaces are provided between the same, the bell and slotted cylinder extending partially in the liquid in the glass tube, the air-filled space of the inner cylinder and the communicating space of



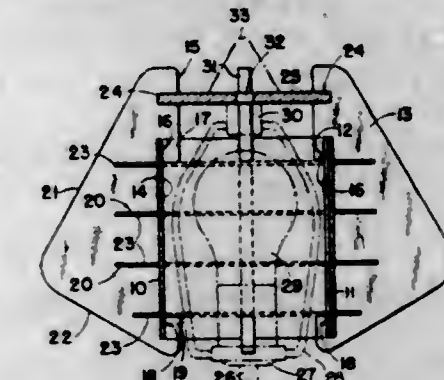
2,435,786

LAMP SHADE

Adam R. Klosek, Jersey City, N. J.

Application April 10, 1946, Serial No. 661,100

1 Claim. (Cl. 240—108)



A lamp shade comprising a plurality of circumferentially spaced upright wing-like members of light conducting material having vertically spaced sets of co-planar slots cut into the inner edges thereof, like and similarly positioned cut-outs in said edges of said wings intermediate the lengths of said edges, each of said wings having aligned vertical slots cut into the wings at the extremities of said cut-outs, washer-like members of light conducting material all having the same internal dimensions thereby providing aligned openings therethrough registering in each of said sets of co-planar slots, an upright tube-like member of light conducting material registering in said aligned openings through said washer-like members and having its ends registering in said aligned vertical slots, and means for mounting the shade on a lamp.

2,435,787

DEVICE FOR WINDING A PLURALITY OF LINES AT RELATIVELY IRREGULAR SPEEDS ABOUT A COMMON SHAFT

Elmer Shelton Knight, Cordova Bay,

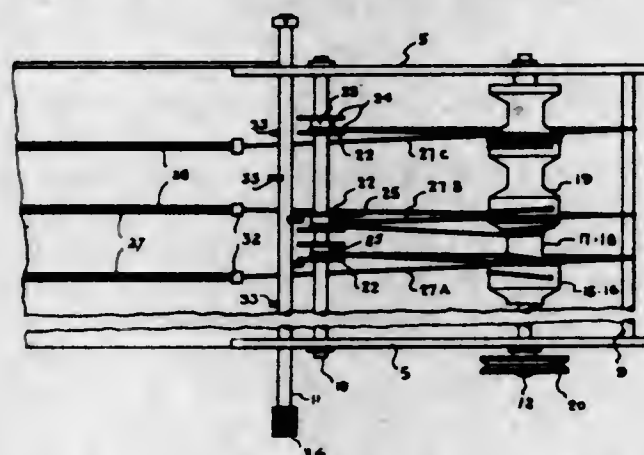
British Columbia, Canada

Application May 9, 1945, Serial No. 592,887

3 Claims. (Cl. 254—184)

1. A mechanical movement comprising a plurality of winding drums all adapted to be rotated in unison at predetermined peripheral speeds, said winding drums having winding areas of different diameters, a flexible member attached

to each winding drum to be wound thereon, means spaced from said drums for aligning the several flexible members onto their drums adjacent their point of attachment, a shaft extending across the flexible members and guides slidable along said shaft, each guide being engaged by one of the flexible members in the interspace between the

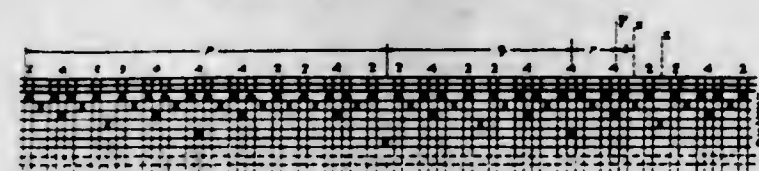


aligning means and their drums, and slidable means for engaging some of the guides to move them lengthwise of the shaft and to disalign their attached flexible members to cause said members to wind upon different areas of their respective drums, said slidable means having a plurality of staggered fingers each adapted to be moved to contact one or more guides.

2,435,788

CONTROL OF REFLECTIONS IN TRANSMISSION LINES

James L. Lawson, Ann Arbor, Mich., assignor to the United States of America, as represented by the Secretary of the Navy
Application December 7, 1942, Serial No. 468,137
18 Claims. (Cl. 178-44)



9. A transmission line for high-frequency alternating currents of frequencies in the neighborhood of a particular design frequency, said transmission line having therein a plurality of spacing insulators substantially similar to each other in electrical properties and of an axial dimension small compared to an electrical quarter wave length corresponding to said design frequency, said insulators being distributed along said line in groups of two insulators and groups of four insulators such that the spacing between corresponding parts of different insulators of the same groups is approximately equal to said quarter wave length and the spacing between different groups of insulators measured from corresponding parts of adjacent insulators of different groups is approximately equal to an electrical half wave length corresponding to said design frequency.

2,435,789

METHOD OF ELECTRIC SOLDERING

George D. Lea, Downers Grove, and Conrad L. Pfeiffer, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application April 13, 1943, Serial No. 482,870, now Patent No. 2,410,665, dated November 5, 1946. Divided and this application May 4, 1944, Serial No. 534,068
3 Claims. (Cl. 219-12)

1. A method of mounting condenser plates on a metallic shaft of non-uniform cross-sectional

area comprising assembling said plates on said shaft in spaced relation, passing an electric current through said shaft to heat said shaft, and



supplementing said heating by conductively heating the area of said shaft of larger cross-section.

2,435,790

CYANOSTYRENE COPOLYMERIZED WITH BUTADIENES

John R. Long, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application April 15, 1943,

Serial No. 483,177

4 Claims. (Cl. 260-86.5)

4. A copolymer of from 20 to 80 percent of a compound of the group consisting of butadiene-1,3, isoprene and 2,3-dimethyl-butadiene-1,3 and from 20 to 80 percent of a compound having the structural formula:



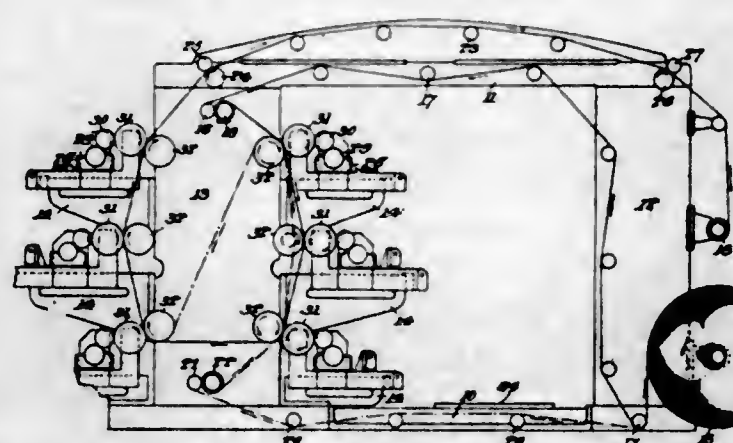
2,435,791

ROTARY PRINTING PRESS

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Continuation of application Serial No. 440,917, April 29, 1942. This application May 16, 1944, Serial No. 535,780

9 Claims. (Cl. 101-180)



1. In a rotary multicolor printing press, base frames, top frames, roll frames and press frames, changeable brackets projecting to the right and left from the press frames, a web supply roll, two upper series of web guide rollers carried by the top and roll frames and a lower series of web guide rollers carried by the base frames, two adjacent stacks of printing units carried by the press frames, means for leading the web over one of the upper series of guide rollers, through both stacks of the printing units and over the other upper series of guide rollers for non-perfecting the web and over the lower series of guide rollers, through both stacks of the printing units and over said other upper series of guide rollers for perfecting the web, and means for reversing the movement of one stack of the printing units when perfecting the web.

2,435,792

CHEMICAL PROCESS

Edward H. McArdle, Linden, and David M. Mason, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 7, 1944,

Serial No. 553,106

7 Claims. (Cl. 62-124)

1. The method of separating para-xylene in substantially pure form from a mixture thereof with meta-xylene, which comprises forming a liquid solution of a mixture of meta and para-xylenes, said mixture containing a higher proportion of para-xylene than is present in its eutectic with meta-xylene, with a diluent having a freezing point lower than that of said eutectic, thereafter cooling said solution to a temperature substantially below the eutectic point of said xylenes per se and thereby precipitating substantially pure para-xylene crystals from the solution of the xylenes and diluent, removing the para-xylene crystals from the remaining solution, leaving the meta-xylene in solution in a proportion substantially higher than is present in the eutectic with para-xylene.

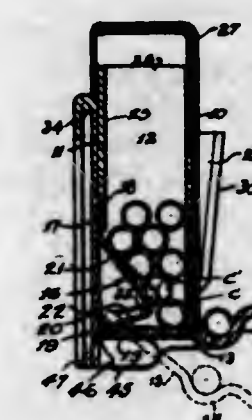
2,435,793

CIGARETTE DISPENSER

Arthur F. Mielke, Burbank, Calif.

Application February 4, 1946, Serial No. 645,269

6 Claims. (Cl. 312-83)



1. In a cigarette dispenser, a hopper having forward, rear and side walls; a movable bottom hinged to said hopper upon an axis intermediate the forward and rear extremities of said bottom whereby said bottom may assume a normally closed position from which the forward portion of said bottom may be moved downwardly while the rear portion thereof moves upwardly, with the downward movement of said forward portion providing an aperture through which a cigarette may issue, and a spring having an upper end anchored to said hopper, an intermediate portion projecting forwardly to provide a cigarette support and terminating in a nose normally spaced from said forward wall to form a pass through which the lowermost cigarette in the hopper may issue, and a lower portion extending downwardly and rearwardly from said nose engaged under compression against said bottom rearwardly of said hinge axis, whereby normally to yieldingly hold said bottom in said closed position, and whereby depression of said bottom will operate to move said lower spring portion upwardly and said nose forwardly to close said pass sufficiently to arrest the descent of the remaining cigarettes while permitting the lowermost cigarette to pass through said aperture.

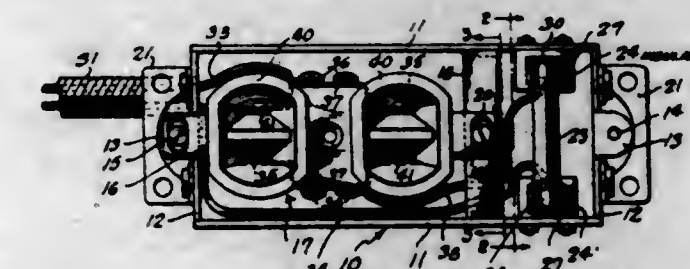
2,435,794

FUSED WALL OUTLET BOX

John Joseph Nicolazzo, Bridgeport, Conn., assignor to The Jos-Nic Company, Bridgeport, Conn., a corporation of Connecticut

Application August 23, 1943, Serial No. 499,650

5 Claims. (Cl. 200-133)

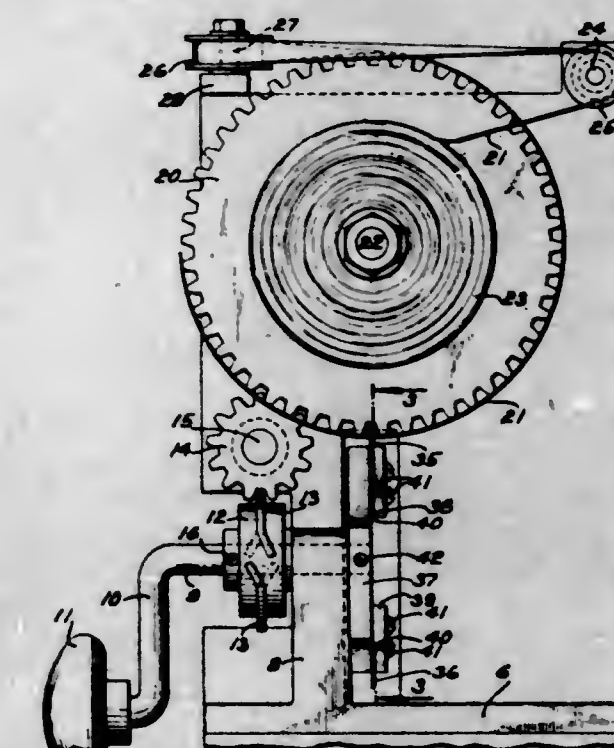


1. In a device of the character described, an open sided wall outlet box adapted to be mounted in a wall recess and including side and end walls forming a compartment, said box being provided with mounting means for securing it in a wall recess as a permanent part of the house wiring system, an ear at one end of the box, a transverse support spaced from the other end, means for mounting a conventional outlet receptacle within the box on said ear and support and comprising an insulating body enclosing contacts adapted to engage attachment plug contacts inserted into the body, means operable by a given overload to open a circuit, means mounting the circuit opening means in the box compartment between the support and the other end of the box in a position where it is accessible for renewal from the front of the box and including electrical connections to the circuit opening means, and means in the box and outside the receptacle for electrically connecting the electrical connections in series with the receptacle contacts and supply wires forming a permanent part of the house wiring system leading to the box.

2,435,795

TAPE DISPENSING APPARATUS

Amos L. Quinlan, La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1945, Serial No. 577,313
12 Claims. (Cl. 164-68)

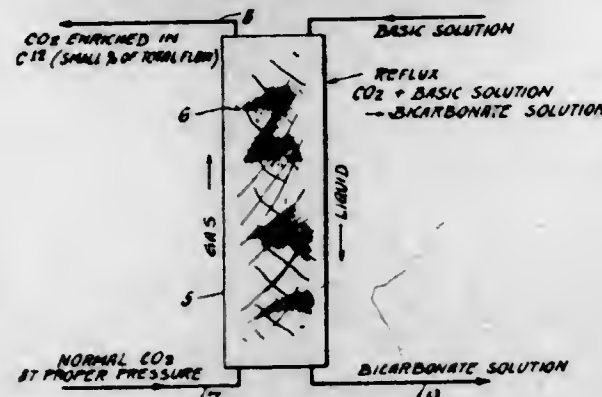


1. In a dispensing apparatus for pressure adhesive tape, means for rotatably supporting a supply of tape, a rotatable toothed tape serving drum positioned to receive the adhesive side of the tape on the projecting surfaces of its teeth, means for imparting intermittent rotation to said tape serving drum, and a knife rotatable on

an axis at right angles to the axis of rotation of the serving drum intermediate periods of rotation of the tape serving drum for cutting the tape adhered to the teeth of the toothed drum at a point between the points of adherence of the tape to the teeth.

2,435,796

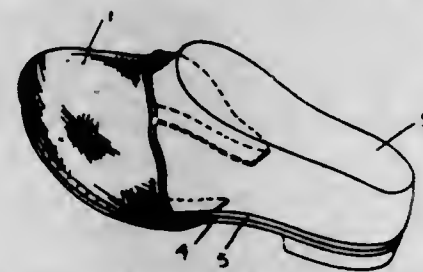
ISOTOPE SEPARATION PROCESS
Allen Francis Reid, New York, N. Y.
Application May 4, 1944, Serial No. 534,023
8 Claims. (Cl. 23—150)



7. A process of relatively concentrating isotopes of carbon and of oxygen comprising reacting carbon dioxide with carbonic acid, bicarbonate ion and water by flowing carbon dioxide upward countercurrent into a descending solution of carbonic acid and bicarbonate ion at a sufficient velocity for turbulence to increase the mixing and diffusion rates and at moderately low temperature above room temperature in the presence of a heterogeneous catalyst packing containing a member of the group consisting of silicon oxide, a silicate, carbon and aluminum oxide to give a substantially relative isotopic concentration, continuing said countercurrent reaction to change the concentration of the isotopes of carbon and bleeding off CO₂ enriched in C₁₃ from the heterogeneous catalyst at the lower portion of the countercurrent exchange.

2,435,797

METHOD OF PRODUCING SHOE UPPERS BY HEAT-SHRINKING TO FORMS
Eva G. Reed, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application February 23, 1945, Serial No. 579,351
3 Claims. (Cl. 12—142)



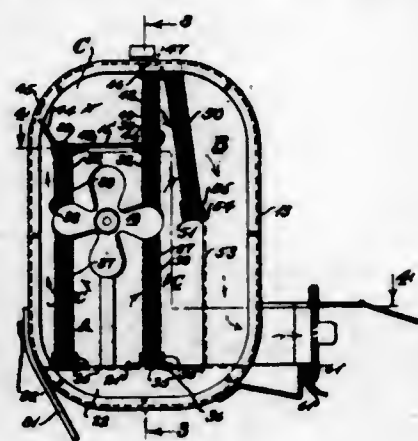
1. The method of producing a shoe upper which comprises covering a last with a flat fabric of heat-shrinkable plastic strands with the bottom edge of the fabric fastened to a shoe sole, and then heating the fabric to cause it to shrink to the form of the last and allowing the fabric to cool until it sets before removing the shoe from the last.

2,435,798

AIR CONDITIONING UNIT
Chester J. Rice and Jessie V. Narrell, Pecos, Tex.; said Rice assignor to said Narrell
Application September 10, 1947, Serial No. 773,210
3 Claims. (Cl. 183—13)

1. An air cooling and humidifying unit comprising a closed housing having an entrance for

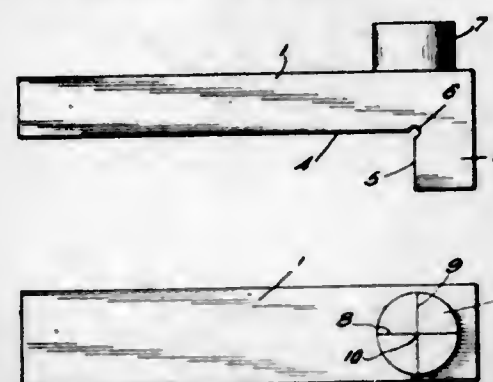
air under pressure, a closed air treating chamber within said housing, said chamber having an opening facing said entrance for directly receiving air from said entrance, said chamber having longitudinally extending side walls of porous, liquid absorbent material through which said air will pass, a liquid pump, a reservoir for supplying liquid to said pump, said pump supplying liquid to said absorbent walls, a fan adjacent said entrance and rotated by the air pressure and driving said pump, the absorbent walls of said



chamber being spaced from the adjacent side walls of the housing to thereby define a passageway for air passing from said chamber through said absorbent walls, said passageway communicating with an outlet for the housing, and a wall of dry, porous liquid absorbent material disposed in the passageway through which all of the air passing from said porous side walls will pass, and means for automatically cutting off the flow of liquid from the reservoir when the pump is inactive.

2,435,799

EDGE FINDER
Worth P. Rizer, Wichita, Kans.
Application September 14, 1945, Serial No. 616,271
4 Claims. (Cl. 33—112)



1. An edge finder comprising a horizontally extending body provided with a depending arm at its outer end, the under surface of said body and the inner side face of said arm being flat and extending at right angles to each other, there being a groove formed at the intersection of the said surfaces of the body and the arm, and a block formed integral with the outer end portion of said body and extending upwardly therefrom, said block having a flat upper end face marked with diametrically extending lines extending in crossed relation to each other and meeting at the center of the said upper end face.

2. An edge finding device comprising a bar having a flat under surface, an arm extending downwardly from the outer end of said bar and having a flat inner side face disposed vertically in intersecting relation to the outer end of the under face of said bar, and a block extending upwardly from the outer end portion of said bar and having its upper end face marked to designate its center, the center marking being exactly in the plane of the inner side face of said arm.

2,435,800

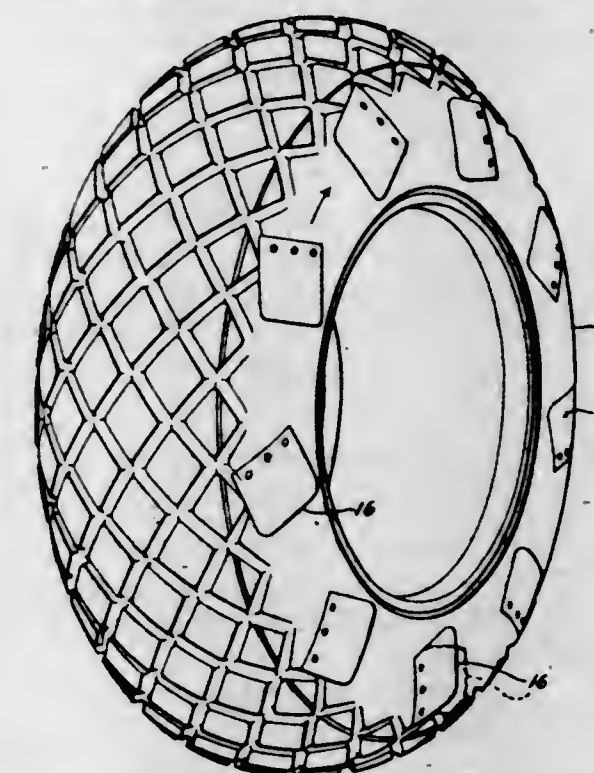
AUTOMATIC WELDING ELECTRODE
James M. Sawhill, Towson, and James E. Skinner, Dundalk, Md., assignors to The Reid-Avery Company, Dundalk, Md., a corporation of Maryland
Application January 22, 1946, Serial No. 642,662
5 Claims. (Cl. 219—8)



1. An electrode in the form of a stranded cable having a plurality of wires disposed as helices, each wire having a core of flux.

2,435,801

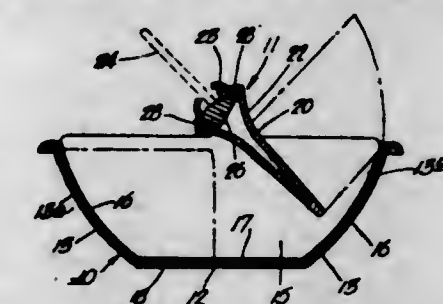
PREROTATION AIRPLANE TIRE AND METHOD OF MAKING IT
Walter E. Shively, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application August 11, 1944, Serial No. 548,952
15 Claims. (Cl. 244—103)



1. In combination with a rubber tire of an airplane landing wheel, a plurality of individual, self-contained air vanes, and separable fastening means detachably connecting said air vanes to at least one side of said tire in a position to rotate the tire from the flow of air thereover during flight.

2,435,802

LIQUID FREEZING DEVICE
Helen E. Smith, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 30, 1944, Serial No. 542,943
11 Claims. (Cl. 62—108.5)



1. In an ice tray, a receptacle including a pair of walls defining opposite sides of a freezing compartment, and a member constituting both a support

port for one of said walls in the receptacle and a means for first pivoting said wall in relation to the other wall about an axis in the lower part of the tray, thereby to loosen the ice mass within said compartment, and for subsequently rotating said wall about an axis in the upper part of the tray to thereby elevate the loosened ice mass in said compartment.

2,435,803

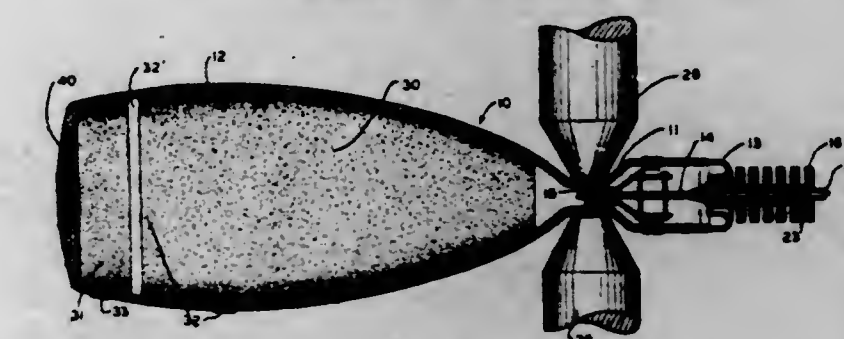
FEED REGULATOR CONTROL FOR LABELING MACHINES
John Soares, San Leandro, Calif.
Application July 1, 1946, Serial No. 680,683
5 Claims. (Cl. 271—62)



1. Label feed regulator adjusting means for a labeling machine having a turnbuckle, a trip lever operable by the elements to be labeled and a cam actuated pawl lever and a connection from said pawl lever to said turnbuckle comprising an adjusting member threadedly cooperative with said turnbuckle and having an extension to the top of the labeling machine and terminating in a handgrip for adjustment of the length of the operative connection at will, and a second connection from said adjusting member to said trip lever and having a passage with said adjusting member rotatable therein and maintained against relative axial movement.

2,435,804

CAVITY RESONATOR MAGNETRON DEVICE
John M. Spooner, Manheim Township, Lancaster County, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 1, 1944, Serial No. 516,636
11 Claims. (Cl. 315—39)

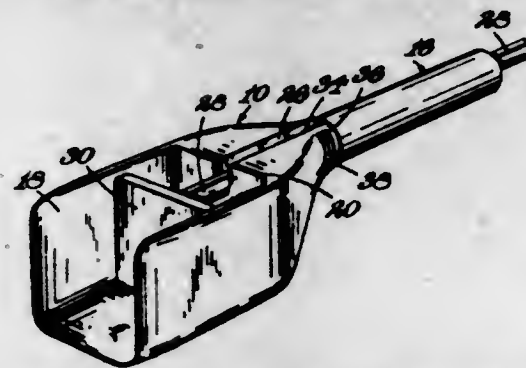


1. A device for use at high radio frequencies and including an elongated envelope having at one end an electron source and a cavity resonator positioned adjacent said source to be excited by electrons therefrom, said resonator having an aperture therein, said envelope having an elongated flared out portion extending from said one end and registering with the aperture in said

resonator, said flared out portion having a conducting inner surface and providing a reflecting surface and waveguide for electromagnetic waves generated in said resonator, the end of said flared out portion being closed by a member permeable to electromagnetic wave energy.

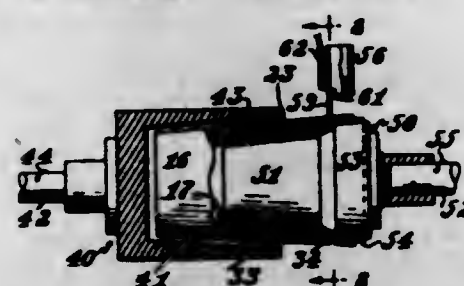
2,435,805
SPOON, SHOVEL, OR THE LIKE IMPLEMENT WITH A PUSHER MEMBER

Arthur William Tanner, Aldershot, England
Application February 18, 1946, Serial No. 648,358
In Great Britain February 27, 1945
3 Claims. (Cl. 30—128)



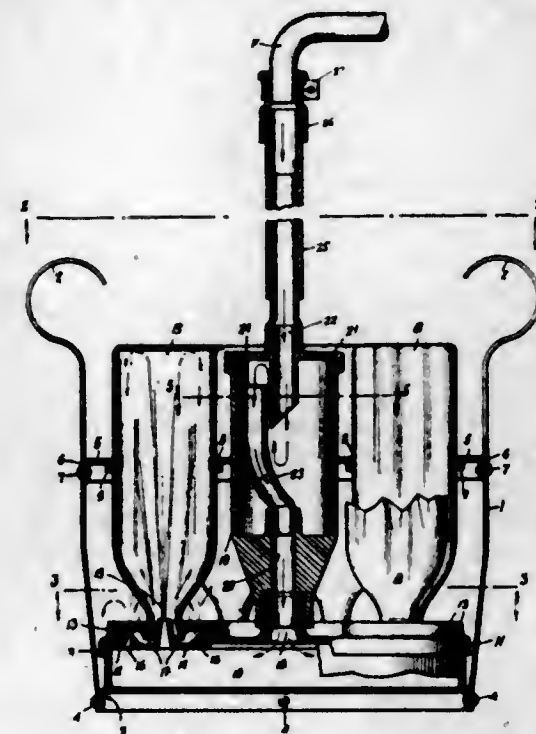
1. An implement of the character described comprising a hollow handle member, and a bowl carried thereby, which handle member has a lateral opening extending from end to end thereof, in combination with a pusher member movable in the bowl in the direction of its length, and an operating rod that has one end portion attached to the pusher member, extends through the handle member, and has its other end portion situated outside the handle member, which pusher member and handle member are removable from the implement by movement in a direction transverse to the length thereof.

2,435,806
MANUFACTURE OF DOUBLE WALLED VESSELS
Raymond W. Tibbetts, Camden, Maine, assignor to Stator Corporation, Providence, R. I., a corporation of Rhode Island
Original application February 10, 1942, Serial No. 430,301. Divided and this application December 5, 1944, Serial No. 566,750
4 Claims. (Cl. 93—36)



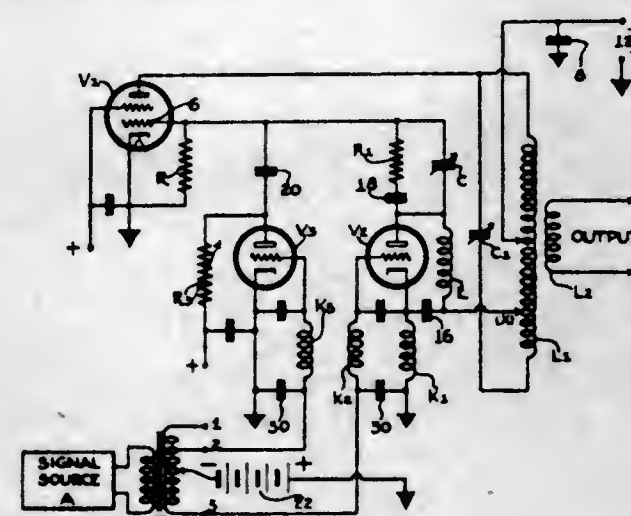
1. For making a double walled vessel comprising an inner container nested in an outer container with a cement seal between an outer annular surface of the inner container and an inner annular surface of the outer container, the method which comprises rotating one container about its axis, flowing liquid cement on said annular surface of the rotating container so as uniformly to distribute the cement thereon, rotating the other container about its axis with its annular surface spaced from that of the first container and, while the two containers are rotating at substantially the same velocity with their axes in alignment, nesting them together with said annular surfaces opposite each other, whereby the aforesaid rotation assists in holding the cement in position while the containers are being nested.

2,435,807
DEVICE FOR WASHING BOTTLES
Nathan Udell, Brooklyn, N. Y.
Application January 29, 1944, Serial No. 520,226
3 Claims. (Cl. 134—93)



1. A bottle washing device comprising means to support a bottle in an inverted position, a water nozzle extending vertically into the mouth of the bottle, a chamber extending to a level considerably higher than said nozzle, an outlet pipe having an inlet in said chamber, having a curved portion positioned in said chamber and having an outlet connected to said nozzle, and an inlet pipe connected to a water supply and having an outlet in said chamber above said curved portion of said outlet pipe.

2,435,808
WAVE LENGTH MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 21, 1944, Serial No. 523,231
10 Claims. (Cl. 179—171.5)



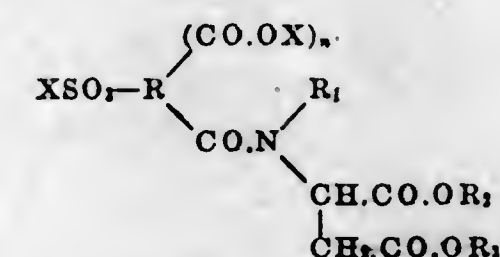
8. In a timing modulation system an oscillation generator including a tube having an anode, a cathode and a grid, with a tank circuit regeneratively coupled between the grid and the anode and to the cathode, a capacitive reactance and an inductive reactance in series in the coupling between the tank circuit and the grid of said tube, an electron discharge device having input and output electrodes, connections coupling the output electrodes of said device in shunt to said capacitive reactance, and a source of modulating potentials coupled to the input electrodes of said device for modulating the current thereto.

2,435,809
PROCESS OF PREPARING NICOTINAMIDE
Jacob van de Kamp, Westfield, and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application May 3, 1944,
Serial No. 533,951
1 Claim. (Cl. 260—295.5)

The process that comprises preparing an alkaline aqueous solution of β -cyanopyridine containing about .24 mole of alkali per mole of β -cyanopyridine, adding to said solution, slowly and with agitation, about 6% aqueous hydrogen peroxide, while maintaining a temperature of about 45° C., continuing the addition of hydrogen peroxide for about an hour and until about 4.8 moles of hydrogen peroxide have been added per mole of β -cyanopyridine, cooling and neutralizing the reaction mixture, and recovering nicotineamide from the neutralized mixture, by adding mercuric chloride to the mixture to precipitate a nicotineamide mercuric chloride complex, separating the precipitate and suspending the same in anhydrous sodium carbonate in methanol, passing hydrogen sulfide into the suspension, filtering, and evaporating the filtrate to obtain nicotineamide.

2,435,810
DEMULSIFYING COMPOSITIONS
Emil A. Vitalis, East Portchester, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 8, 1946,
Serial No. 668,307
9 Claims. (Cl. 252—336)

1. A demulsifying composition comprising a mixture of about 17% to 90% by weight of a surface-active ester of an aliphatic sulfopoly-carboxylic acid and about 83% to 10% by weight of an aspartate amide of an aliphatic sulfopoly-carboxylic acid having the formula

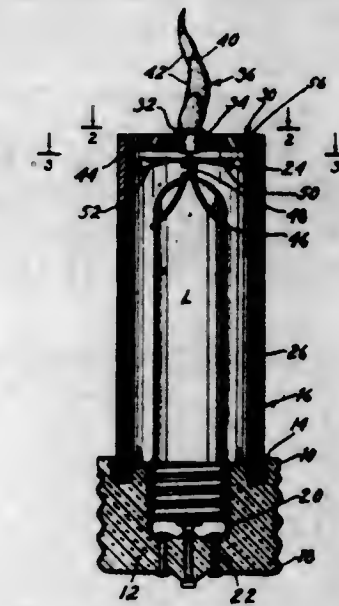


in which R is the residue of an aliphatic polycarboxylic acid, R_1 is a member of the group consisting of alkyl and alkoxyalkyl radicals of 8-18 carbon atoms, R_2 and R_3 are members of the group consisting of hydrogen, cationic salt-forming radicals and alkyl radicals, n is a whole number not greater than 2 and each X is a member of the group consisting of hydrogen and cationic salt-forming radicals.

2,435,811
ARTIFICIAL CANDLE
Harry F. Waters, New York, N. Y.
Application March 30, 1945, Serial No. 585,748
6 Claims. (Cl. 240—10)

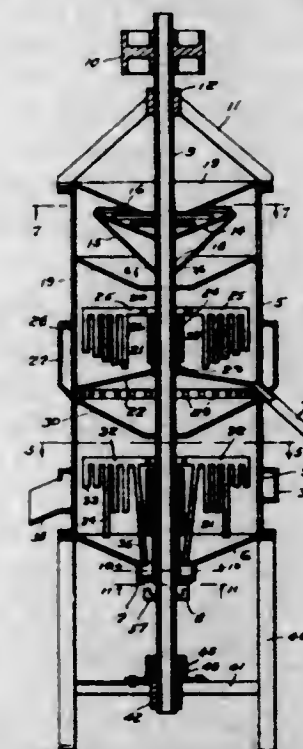
3. An artificial candle comprising in combination, an elongated hollow tubular member formed of light-transmitting material adjacent its upper regions and of opaque material adjacent its lower regions, a source of light disposed within said member, a flame-simulating element at the upper end of said member and formed of light-transmitting material, means directing light issuing

from the interior of said tubular member onto and through said flame-simulating member for



reflection therefrom and for radiation therefrom by refraction.

2,435,812
AMALGAMATOR WITH PRELIMINARY SLIME REMOVER
Claude J. Whitlock, San Bernardino, Calif.
Application February 6, 1943, Serial No. 475,016
2 Claims. (Cl. 209—42)



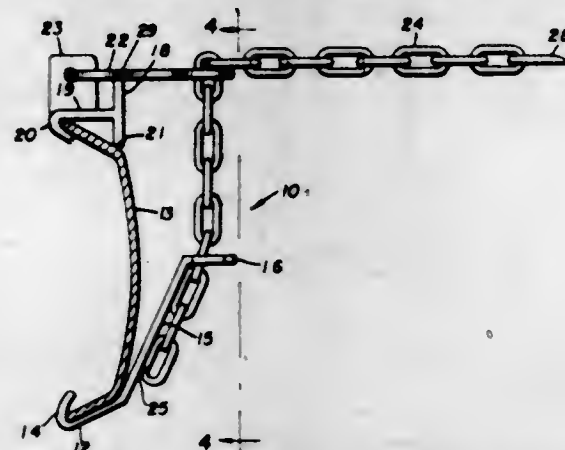
2. In a separator of the class described, an upright shell having a central transverse partition therein dividing the same into an upper and a lower compartment, respectively, for successively receiving ore material therein, said partition being of conical form, an axial hollow shaft extending through said shell and partition for rotation and endwise reciprocation and having upper side inlet apertures therein, an annular feed hopper in the top of the upper compartment for receiving ore material and water and having a discharge aperture surrounding said shaft, a downwardly tapering bowl fixed concentrically on said shaft for rotation thereby beneath said hopper with the bottom thereof communicating with said inlet apertures and for directing slime and water from the ore material to said apertures to pass into said shaft and drain out of the same, a downwardly tapering pan for receiving ore material and water from said hopper fixed in the top of said bowl for rotation thereby and having agitating ribs and drain apertures therein adapting the same to function as a centrifugal and gravity separator for separating the solids in the ore material from the slime and water and dis-

charging the solids over the edge of the pan while the slime and water discharges through the drain apertures into said bowl, and means to rotate and reciprocate said shaft.

2,435,813

BUMPER CLAMP TOWING DEVICE

Walter W. Williams, Fort Dodge, Iowa
Application April 18, 1947, Serial No. 742,407
3 Claims. (Cl. 280—33.14)

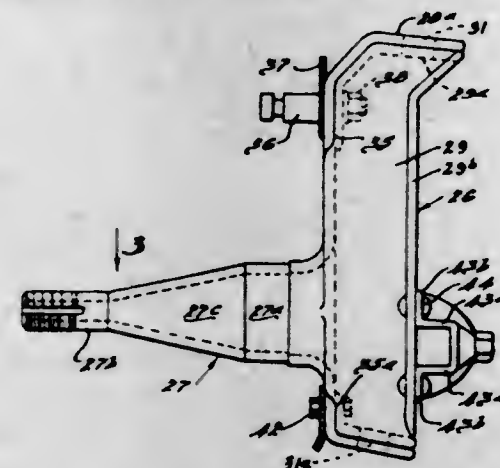


3. In association with a vehicle bumper bar, a towing device comprising in combination, a pair of clamp members adapted to engage the upper and lower edge portions of said bar, a length of chain secured to the lower of said members, a guide bracket also secured to said lower member and provided with an aperture, and a pear-shaped link pivoted at the relatively large end thereof to the upper member, said link defining a key hole-shaped opening, said chain passing freely through said aperture and through said opening, and being lockably engageable with the restricted portion of the latter.

2,435,814

WHEEL SUPPORTING STRUCTURE

William D. Allison, Detroit, Mich.
Application October 23, 1944, Serial No. 560,063
12 Claims. (Cl. 280—96.1)



6. Supporting means for the wheel of a vehicle comprising an upright channel shaped bracket having a central web and inwardly directed side flanges, a hollow wheel spindle rigid at its inner end with said web and extending outwardly therefrom, and a brake backing plate abutting against the outer face of the web and rigidly secured thereto, said bracket comprising two similar pressed metal sections secured together along adjacent edges and integrally forming at least a portion of said spindle.

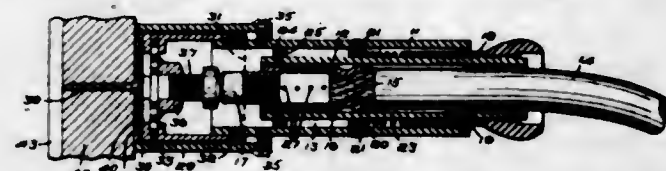
2,435,815

WELDING APPARATUS

Merrill W. Ambrose, Roxbury, Mass.
Application August 31, 1945, Serial No. 613,892
8 Claims. (Cl. 219—4)

1. A welding device of the character described, comprising a substantially cylindrical body having a sleeve, a tube telescoping within one end of

the sleeve and a head shield attached to the outer end of the sleeve, the tube being spaced radially from the sleeve to provide a ventilating passageway therebetween, a spring surrounding the tube within the sleeve, means mounted on the sleeve and tube respectively for confining the ends of the spring while permitting relative longitudinal movement of said members, means limiting outward movement of the tube relative to the sleeve,

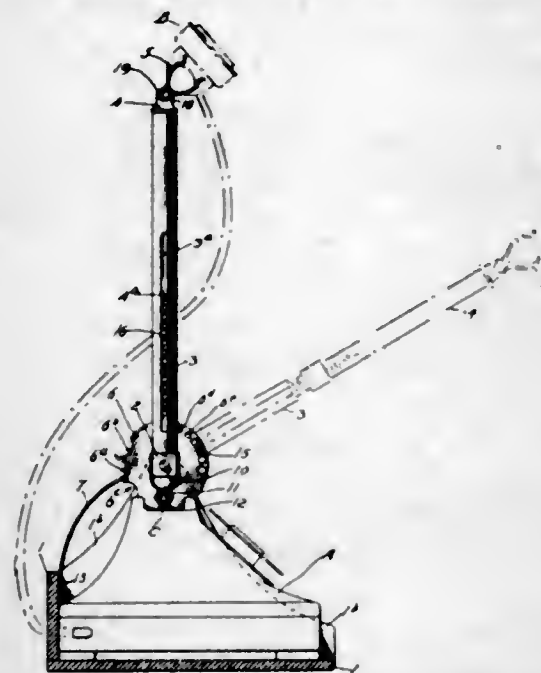


a conductor fixed concentrically within the tube in radially spaced relation thereto to provide a ventilating passageway therebetween, means located within said head shield for holding a welding nail, and a contact disposed axially within the head and electrically connected to said holding means, said conductor having a contact member engaging said first contact when the tube and sleeve are telescoped together.

2,435,816

TELEPHONE RECEIVER SUPPORT

Frederick Anderson, Hawthorne, Calif., assignor to Albert Brearley and Vera M. Bramel, both of Monterey Park, Calif.
Application April 7, 1945, Serial No. 587,034
8 Claims. (Cl. 179—150)



1. A telephone accessory comprising, a cradle shaped to receive the telephone instrument, a combination transmitter and receiver support mounted in said cradle above the instrument for swinging movement in a vertical plane, cam means on said support maintaining the switch buttons of the instrument depressed while the support remains in one position of vertical adjustment and adapted to release said buttons as the support is swung vertically out of said position, means at the end of the support shaped to grip the receiver of the instrument, and means for maintaining the support locked in various positions of adjustment.

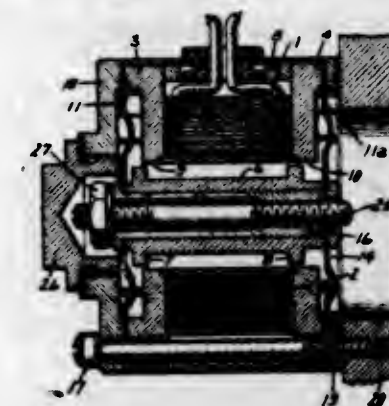
2,435,817

ELECTROMAGNET WITH PLUNGER

Erwin R. Boynton, Schenectady, and William T. Rauch, Pattersonville, N. Y., assignors to General Electric Company, a corporation of New York
Application September 30, 1944, Serial No. 556,535
3 Claims. (Cl. 175—341)

1. The combination in an electromagnet, of a coil, a magnet core member for said coil pro-

vided with cylindrical pole faces at opposite ends of said coil, a plunger armature extending through said coil, an annular ridge on said armature adjacent each end of said armature provided with a cylindrical peripheral pole face, a support for each end of said armature comprising a plurality of inherently unstressed spring strips extending radially from a central hub portion, connections between the ends of said armature and said hub portions, and means securing the ends of said strips to said core member

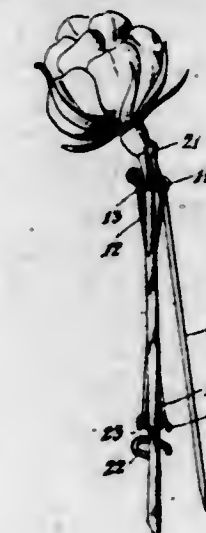


so that said armature is normally supported in an unattracted position by said spring strips in axial floating relation with said coil with said annular pole faces respectively in radial and axial spaced relation with the annular pole faces on said core member, said spring strips exerting upon said armature a restoring force which increases with increasing displacement of said armature from said unattracted position, whereby the displacement of said armature is substantially directly proportional to the degree of energization of said coil.

2,435,818

HOLDER

Meyer Cohen, Forest Hills, N. Y., assignor to May Miriam Cohen, Forest Hills, N. Y.
Application August 17, 1943, Serial No. 499,026
10 Claims. (Cl. 24—6)



1. A stem holder comprising, in combination, a shaft member, a plurality of spaced apart supports on said member, a loop on each support to surround a stem adjacent the shaft member, and to hold said stem substantially parallel to said shaft member, and elastic means interconnecting the loops.

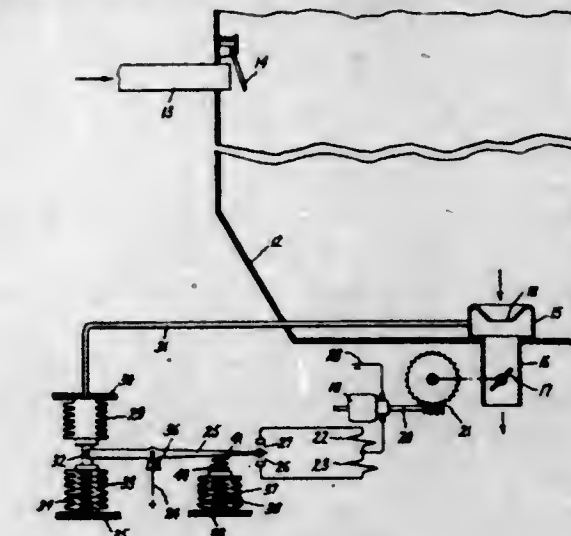
2,435,819

AIRCRAFT CABIN PRESSURE CONTROL ARRANGEMENT

Frederick E. Crever, Scotia, and Lawrence A. Burton, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application March 20, 1944, Serial No. 527,180
4 Claims. (Cl. 98—1.5)

1. The combination of an aircraft cabin, means for conducting compressed air to the

cabin, a conduit including a valve for discharging compressed air from the cabin, and a control mechanism for positioning said valve comprising a lever, a support for said lever, an absolute pressure responsive device connected to the lever on one side of said support and including a bellows communicating with the cabin to maintain a substantially constant cabin pressure within a predetermined range of altitude, means to maintain a substantially constant pressure ratio at a higher altitude range comprising a device respon-

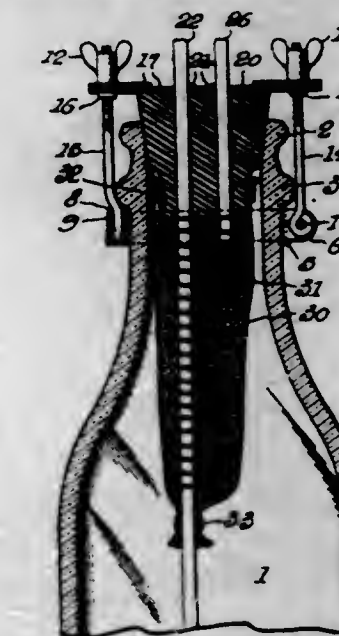


sive to changes in atmospheric pressure cooperatively associated with the lever at the other side of said support and adapted to engage said lever during operation within said other altitude range, and means to effect gradual transition from constant pressure to constant pressure ratio control between said two altitude ranges, said last mentioned means including a spring for yieldingly connecting said atmospheric pressure responsive device to the lever during operation between said two altitude ranges.

2,435,820

TRANSFUSION EQUIPMENT

Lemuel W. Diggs, Whitehaven, Tenn., assignor to the United States of America, as represented by the Secretary of War
Application September 5, 1944, Serial No. 552,759
3 Claims. (Cl. 128—214)



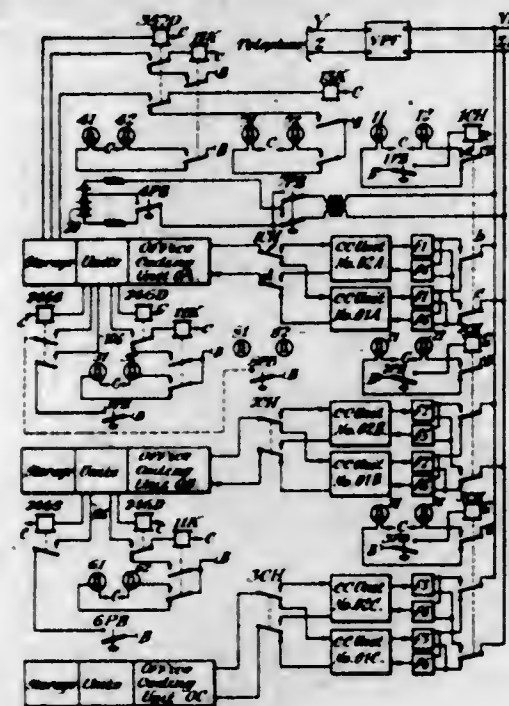
2. Blood-transfusion apparatus comprising an assembly including a mounting means adapted to be received in a container under air-sealing relation, a pair of spaced tubes positioned in the mounting means, and a tubular filtering unit comprising a resilient supporting member and a filtering medium enveloping the supporting member and mounted on the mounting means, the filtering unit enclosing the pair of tubes, one of which opens into the filtering unit and the other of which tubes extends through and beyond the filtering unit, and means securing the filtering unit to the tubes.

2,435,821

REMOTE CONTROL SYSTEM

Paul K. Eckhardt, O'Hara Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 23, 1947, Serial No. 723,739
8 Claims. (Cl. 177-353)



1. In a remote control system, a two wire line circuit extending from an office to a remote station, a changeover relay at said station normally energized by direct current supplied over said line circuit from a source at the office, code receiving means at the office responsive to carrier current energy supplied over said line circuit, means at the station for supplying to said line circuit carrier current energy of one value when the changeover relay is picked up and of a higher value when the changeover relay is released, whereby the release of said changeover relay due to a fault in said line circuit results in an increase in the carrier current energy supplied to the line circuit to compensate in part at least to the increased transmission loss due to the fault.

2,435,822

ARCH SUPPORT

Prentis E. Erickson, Minneapolis, Minn.
Application September 25, 1945, Serial No. 618,470
7 Claims. (Cl. 36-71)

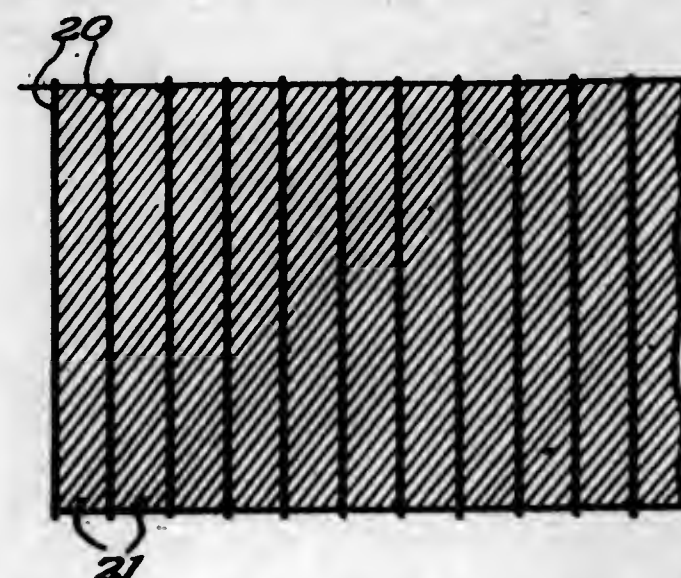


1. An arch support, comprising a foot-contacting member formed of material which can flex both longitudinally and transversely such as leather so as to twist transversely to conform to the varying relative shapes of the heel and front parts of the foot, and a spring plate formed in two parts by a transverse division and having each of the parts secured to the member so the parts will contact along the line of division and may twist freely to adjust themselves laterally to the conformation of the bony structure of the foot.

2,435,823

ROENTGENOLOGICAL METHOD AND APPARATUS

Glenn W. Files, deceased, late of Elmwood Park, Ill., by Allison M. Files, executrix, Chicago, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application June 28, 1946, Serial No. 679,940
5 Claims. (Cl. 250-63)

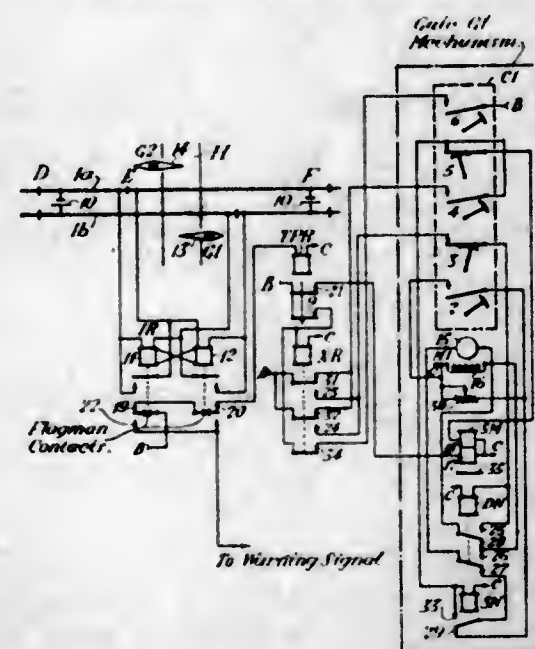


1. The method of making ray pictures, which comprises filtering picture making rays between spaced strips of ray opaque material presented edgewise to the rays and having a grid ratio of strip width, in the direction of the rays, to strip spacing, in excess of 8.

2,435,824

APPARATUS FOR CONTROL OF HIGHWAY CROSSING GATES

Carl L. Goodlin, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 11, 1944, Serial No. 521,896
6 Claims. (Cl. 318-286)



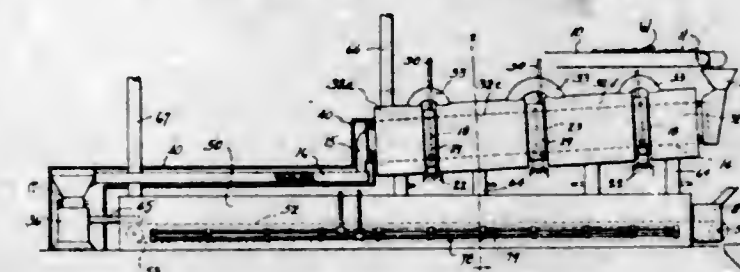
6. In control apparatus for a gate mechanism operable to an obstructing and a non-obstructing position and having a reversible motor adapted when energized to drive the mechanism, a circuit controller actuated by movement of the mechanism and a slot magnet provided with a holding and a pick-up winding and made effective by the energizing of its windings, the combination comprising, a first and a second control relay, another relay, means including a contact of said first control relay to energize said second control relay and said holding winding; a first operating circuit including front pole changing contacts of said second control relay and a first contact of said controller to energize

said motor to drive the mechanism toward the non-obstructing position; a second operating circuit including back pole changing contacts of said second control relay, a second contact of said controller, and a winding of said another relay to energize the motor to drive the mechanism toward the obstructing position; another circuit including one of said front pole changing contacts of the second control relay, said first controller contact, a back contact of said another relay and a third contact of said controller to energize said pick-up winding; and means to at times energize said first control relay.

2,435,825

APPARATUS FOR THE MANUFACTURE OF METALLURGICAL CHARCOAL FROM COM-MINUTED WOOD WASTE MATERIAL

Worth C. Goss, Seattle, Wash.
Application March 4, 1944, Serial No. 525,117
1 Claim. (Cl. 202-114)

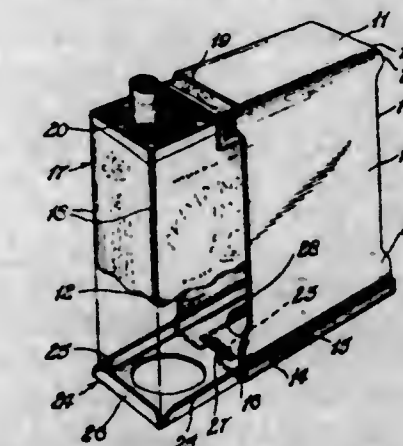


An apparatus of the character described comprising, in combination, an inclined cylindrical drying chamber, means mounting said chamber for axial rotation, means for delivery of a comminuted wood waste material into the chamber at its upper end for continuous turn-over and progressive advancement to the lower end thereof, a grinder, means for delivery of the dried material directly from the drier to the grinder, a press arranged to receive material from the grinder and operable to form it into solid briquettes, an elongated furnace, a conveyor operable to receive the formed briquettes from the press and to convey them slowly through the furnace for charring, means for internally heating the furnace to a charring temperature, a housing enclosing the drier and spaced therefrom, flues connecting the furnace and housing for delivery of hot gases from the furnace to the housing, and means for a controlled admittance of air to said flues to control the heat of combustion.

2,435,826

CIGARETTE PACKAGE CASE

David Greene, Brooklyn, N. Y., assignor to Esmeo Auto Products Corp., Brooklyn, N. Y., a corporation of New York
Application May 9, 1944, Serial No. 534,776
7 Claims. (Cl. 206-41)



1. A cigarette package case, comprising a casing having top, bottom, front and back walls, the sides of the casing being open, the bottom wall

having an elongated opening, a slide arranged in the casing and movable over said bottom wall, lower end portions of the front and back walls having channels receiving the side portions of said slide to guide the slide in its movement longitudinally of the casing, the slide having up-standing end wall portions adapted to engage a package of cigarettes arranged upon the slide to retain the same against displacement therefrom, said slide having a stop member operating in the elongated aperture of the bottom wall, and said bottom wall having means at the ends of the aperture for limiting movement of the slide in both directions on said bottom wall.

2,435,827

AIRPLANE WHEEL INCORPORATING A LOW-PRESSURE FLUID MOTOR

Alfred H. Greubel, Afton, Mo., assignor to Z B Inc., St. Louis, Mo., a corporation of Missouri
Application September 27, 1943, Serial No. 503,933
6 Claims. (Cl. 244-103)



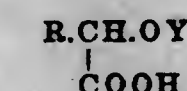
5. In combination, airplane landing wheel construction comprising a shaft nonrotatably supported, a vacuum actuated motor mounted on said shaft, said motor including a stator secured to the shaft against rotation having a plurality of vanes biased outwardly, a rotor surrounding said stator and having bearing support on said shaft, a landing wheel supported by said rotor, said rotor including an inner surface having spaced concave indentations and defining with the periphery of the stator a plurality of chambers, said outwardly biased vanes contacting the said inner surface of said rotor, means for establishing a vacuum on one side of each of said vanes by the engine of the airplane, means venting the chambers to atmosphere, and control means for establishing said vacuum at the desire of an operator.

2,435,828

ALPHA-HYDROXY-ETHER OF FATTY ACID
Herbert H. Guest, West Hartford, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut
No Drawing. Application September 27, 1944, Serial No. 556,083

14 Claims. (Cl. 260-413)

1. An alpha-substituted fatty acid having the formula:



where R is an alkyl radical containing at least ten carbon atoms and Y is a monovalent, simple functional, saturated, aliphatic, polyhydric alcohol residue, said residue containing less than three hydroxyl groups.

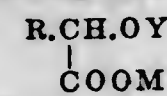
2,435,829

ALPHA-HYDROXY-ETHER OF FATTY ACID SOAP

Herbert H. Guest, West Hartford, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut
No Drawing. Application November 13, 1944, Serial No. 563,312

15 Claims. (Cl. 260-413)

1. A water-soluble soap of an α -substituted higher fatty acid having the formula:

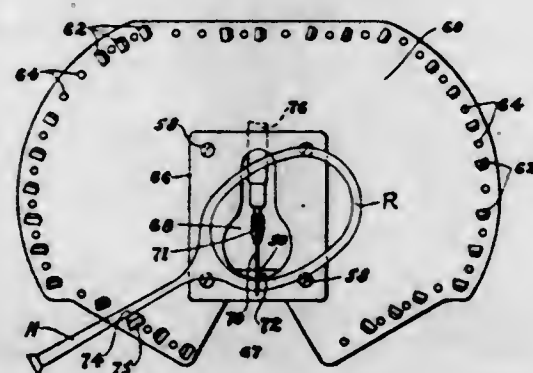


where R is an alkyl radical containing at least ten carbon atoms; Y is a monovalent, simple functional, saturated, aliphatic, polyhydric alcohol residue, said residue containing less than three hydroxyl groups, and M is a salt-forming radical selected from the group which consists of the alkali metals and alkanolamines.

2,435,830

LOCATING JIG DEVICE FOR USE IN DRILLING HOLES IN RACKET HEADS

Horace W. Hall, Newton, Mass.
Application November 30, 1945, Serial No. 631,915
3 Claims. (Cl. 144-93)



1. A locating jig device for use with a drill to drill holes in the head of an article that embodies a handle and said head, comprising a work board on which the article to be worked upon is adapted to be supported, and supporting means for said work board, said work board embodying a head-positioning portion at an intermediate portion thereof adapted to receive said head to be worked upon, and upstanding, locating members attached to said work board and spaced outwardly beyond said positioning portion at various distances and angles from the said holes being drilled and adapted to selectively engage said handle while said holes are being drilled.

2,435,831

PROCESS OF OXIDATION OF ALKYL ESTERS OF ABIETIC ACID

Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application February 12, 1944, Serial No. 522,156

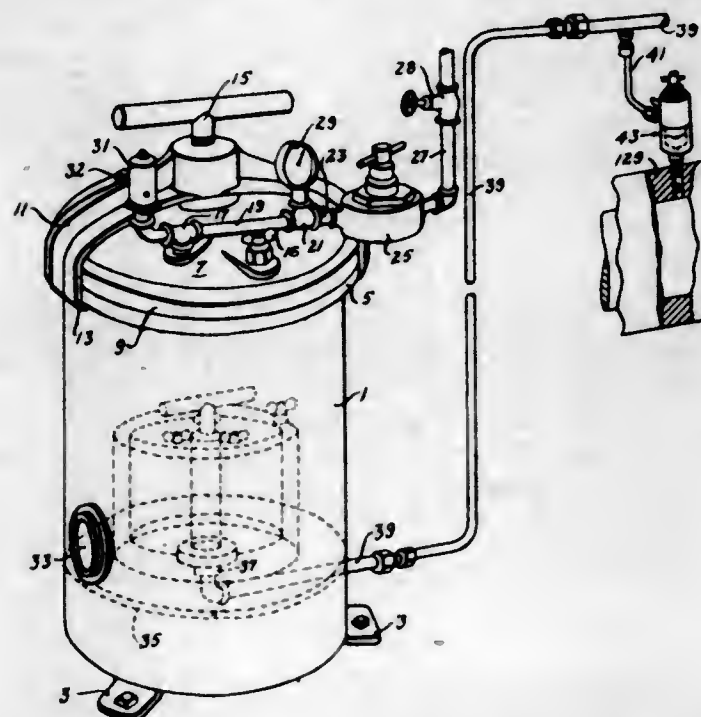
6 Claims. (Cl. 260-99)

1. The method comprising heating above about 140° F. a mass of an alkyl ester of abietic acid having between 1 to 4 carbon atoms in the alkyl group and while in said heated condition agitating said mass in the presence of a free oxygen containing gas until the viscosity of said mass at 25° C. has increased at least 50% and its specific gravity has increased.

2,435,832

LUBRICANT FILTERING AND DISPENSING TANK

Frank B. Harvuot, Fort Wayne, Ind., assignor to Bowser, Inc., a corporation of Indiana
Application July 27, 1942, Serial No. 452,513
5 Claims. (Cl. 184-55)

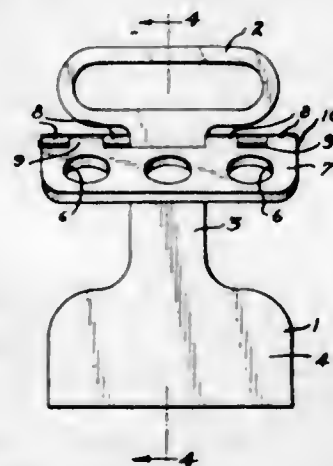


1. In a storage and filtering device, the combination of a storage tank for lubricant, means for maintaining a constant fluid pressure in said tank, comprising a gas pressure connection adjacent the top of the tank, said tank having an outlet for lubricant, a filter disposed in said tank and connected to discharge filtered oil to said outlet, a closed top container disposed in said tank and enclosing said filter, said container having an inlet for lubricant adjacent the bottom of said tank.

2,435,833

BOTTLE CARRIER

Paul J. Hazelet, Fort Wayne, Ind.
Application May 14, 1946, Serial No. 669,617
1 Claim. (Cl. 294-87)

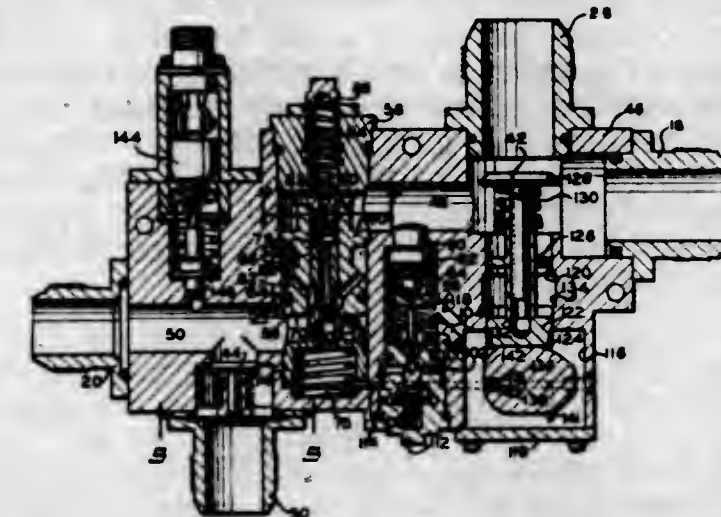


A bottle carrier comprising, in combination, a vertical plate forming a handle at the upper end thereof, a restricted neck portion in said plate adjacent said handle, a comparatively wider body at the lower end of said plate, a pair of elongated holders each with a plurality of bottle neck receiving apertures formed therein, a hinge portion at the ends of one longitudinal side of one of said holders, a cooperating hinge portion at the ends of one longitudinal side of the remaining of said holders, said hinge portions straddling said neck portion, said holders extending to the opposite sides of said plate, and a hinge pin, said pin passing through longitudinally aligned apertures formed in said neck portion and in said hinge portions.

2,435,834

POWER TRANSMISSION

Albert D. Herman, Encino, Calif., and Ferris T. Harrington, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application January 5, 1946, Serial No. 639,312
19 Claims. (Cl. 103-41)

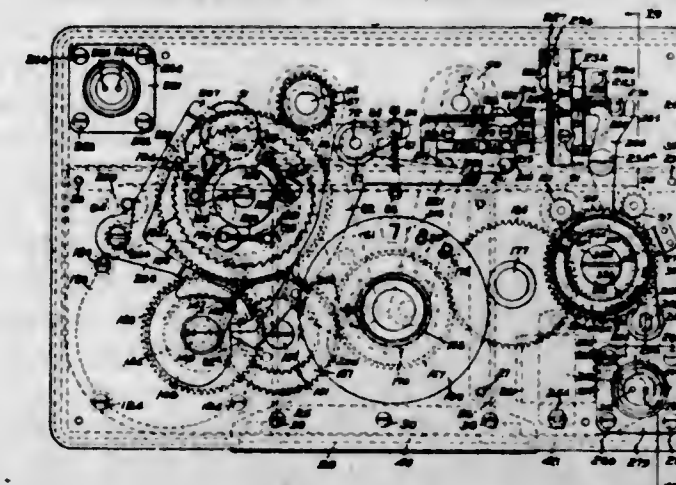


1. In a hydraulic power transmission which may be subjected to hazardous high temperatures and having a pump, a reservoir and a work circuit, the combination of a valve block having separate connections to the pump inlet and the pump outlet, a pressure responsive relief valve normally blocking communication between said pump connections, and means responsive to the fluid temperature for opening said relief valve independently of pressure.

2,435,835

CURTAIN SLOT ADJUSTING MEANS TO CONTROL THE EXPOSURE TIME OF CAMERA SHUTTERS

Edson S. Hineline, Rochester, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Application March 24, 1944, Serial No. 527,918, which is a division of application Serial No. 506,848, October 19, 1943. Divided and this application June 6, 1945, Serial No. 597,864
20 Claims. (Cl. 95-57)



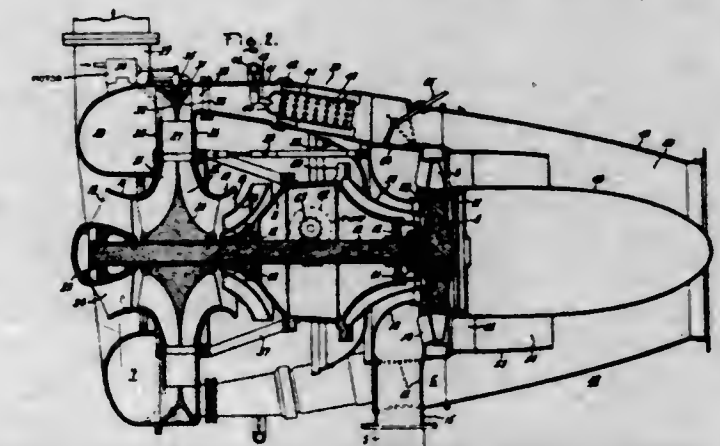
1. In a shutter movement for photographic cameras, a focal plane shutter consisting of two, closely parallel, apertured curtains, the respective apertures whereof constitute the exposure aperture of the shutter, take-up and tension rollers for said curtains respectively, said take-up rollers having rewinding shafts with pinions thereon, means to release and means to rewind said curtains, and means to change the size of the said exposure aperture prior to shutter release, said rewinding means and said aperture-size-changing means including a first curtain rewind gear 314 and a second curtain rewind gear 316, said rewind gears respectively meshing with said pinions on the rewinding shafts of the first cur-

tain and the second curtain, the said second curtain rewind gear 316 having a hub 317, a latch plate 319 fast with said second curtain rewind gear 316, a clutch member 119 at one side of the first curtain rewind gear 314, said first curtain rewind gear 314 having a drive pin 326 to be engaged by said clutch member 119, the said curtain rewind gears 314 and 316, the clutch member 119 and the latch plate 319 having adjustable operative connections for rewinding the two curtains and for controlling the size of the exposure aperture, and a shutter setting knob 321 mounted loosely on the said hub 317 of the second curtain rewind gear 316 and having a formation to engage cooperatively a formation of the second curtain rewind gear 316.

2,435,836

CENTRIFUGAL COMPRESSOR

Howard A. Johnson, Melrose, Mass., assignor to General Electric Company, a corporation of New York
Original application December 13, 1944, Serial No. 567,993. Divided and this application May 1, 1946, Serial No. 666,318
3 Claims. (Cl. 230-114)

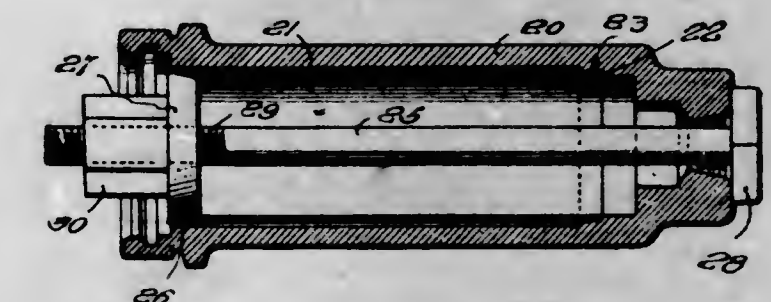


1. A centrifugal compressor comprising an impeller, a diffuser surrounding the impeller, a discharge scroll located substantially on one side of the diffuser for receiving air from the diffuser, other means located on the other side of the diffuser and also connected to receive air from the diffuser, deflecting means comprising an axially movable ring concentrically surrounding the diffuser for controlling the ratio of flow to the discharge scroll and said other means, and means external of the compressor for positioning said rings.

2,435,837

CYLINDER LINER

Ellis L. Larson, Chicago, Ill.
Application November 8, 1946, Serial No. 708,715
4 Claims. (Cl. 309-3)

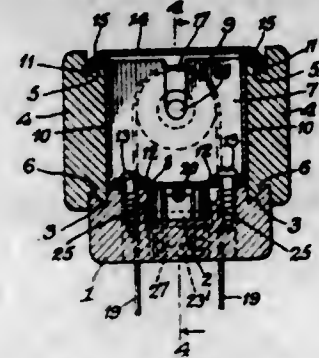


1. A cylinder lining comprising the combination thereof with a cylinder having a longitudinal inner bore of larger diameter than said liner, a shoulder on said inner bore adjacent one end of said cylinder which press fits said liner, one end of said liner adapted to be outwardly expanded whereby when said end is expanded into position it will be forced into a tight union with said cylinder bore.

2,435,838

BOX CONSTRUCTION

Henry J. Mackin, Kankakee, Ill.

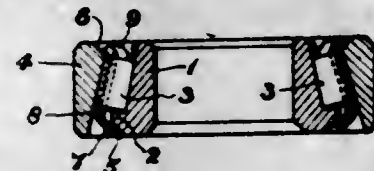
Application December 2, 1944, Serial No. 566,333
14 Claims. (Cl. 160-38)

1. In combination, a plurality of interfitting members adapted to be fitted together to form a container, and a mechanism within said container, said mechanism being fixedly secured to one member of said container and interfitting with other members of said container, and thereby holding the several container members together.

2,435,839

TAPER ROLLER BEARING AND CAGE

David McNicoll, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

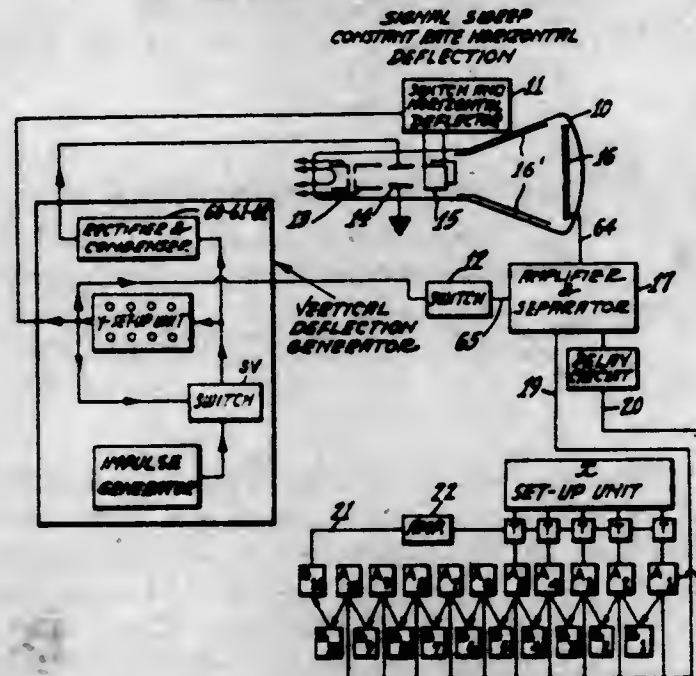
Application June 6, 1946, Serial No. 674,705
In Great Britain December 24, 1945
7 Claims. (Cl. 308-214)

1. A taper-roller bearing comprising a conical inner bearing member, an outer bearing member, taper rollers between said members and a roller cage having at one end a flange overhanging the larger end of the inner bearing member and having the opposite end formed so as to be releasably interlocked with the outer member, the whole forming a self-contained unit assembly.

2,435,840

COMPUTING DEVICE

George A. Morton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 28, 1943, Serial No. 515,887
6 Claims. (Cl. 235-61)

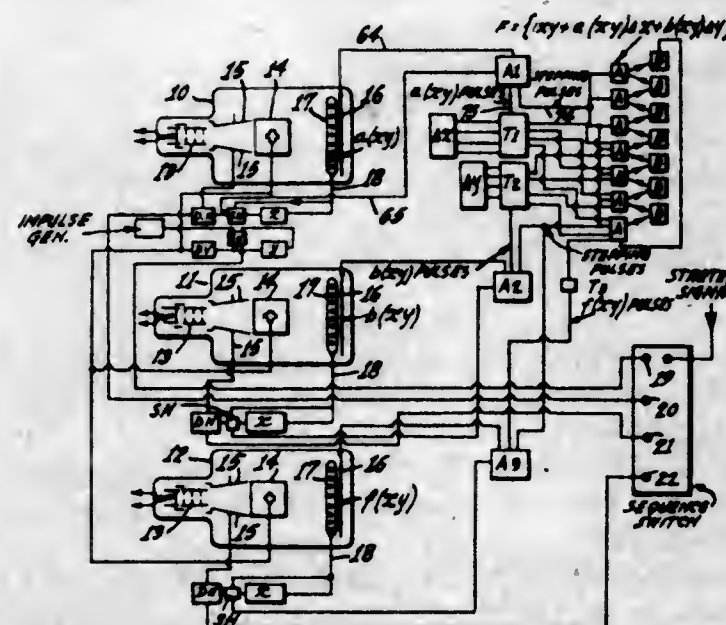
4. In a computer for generating a function of two variables including first and second numbers,

the combination of a member having horizontal rows upon each of which is recorded a different set of values determined by said first number and coefficients of different powers of said second number determined by said first number, means for forming an electron beam, means responsive to pulses representative of said first number for moving said beam to select one of said rows, means for moving said beam to scan said selected row, means including a set-up unit wherein said second number is established, a totalizer and transfer means connected between said second number set-up unit and said totalizer for combining said selected value and coefficients multiplied by different powers of said second number, and means for transmitting the scanned values to said totalizer.

2,435,841

COMPUTING DEVICE

George A. Morton and Leslie E. Flory, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

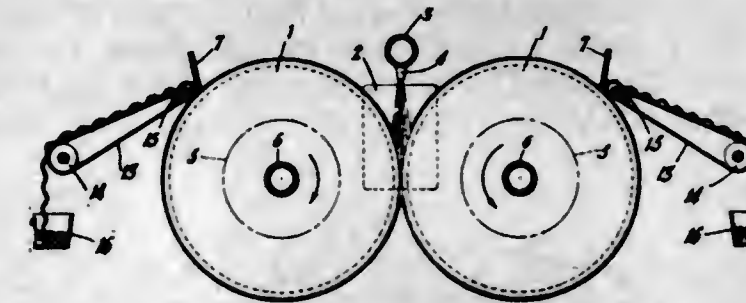
Application January 5, 1944, Serial No. 517,048
12 Claims. (Cl. 235-61)

6. The combination of a plurality of means each having successive areas upon which are recorded values of a predetermined quantity which is different in the case of each of said means, different fine point set-up device associated with two of said means, a different coarse point set-up device associated with each of said means, a coarse set-up device common to all of said means, means responsive to a first of said coarse set-up devices and said common set-up device for selecting and scanning a predetermined area of a first of said means, means responsive to a second of said coarse set-up devices and said common set-up device for selecting and scanning a predetermined area of a second of said means, means responsive to a third of said coarse set-up devices and said common set-up device for selecting and scanning a predetermined area of a third of said means, and means responsive to said selecting and scanning means during the scanning of said areas for deriving the sum of the product of the value recorded on the first of said selected areas multiplied by a value established in a first of said fine point set-up devices and the product of the value recorded on the second of said selected areas multiplied by a value established in a second of said fine point set-up devices and for deriving a mathematical result dependent on the value recorded on said third selected area and said sum.

2,435,842

PREPARATION OF DRIED FRUIT PRODUCTS

Robert T. Northcutt, Westfield, and Robert T. Northcutt, Jr., Fanwood, N. J., assignors to Food Concentrates, Inc., New York, N. Y., a corporation of Delaware

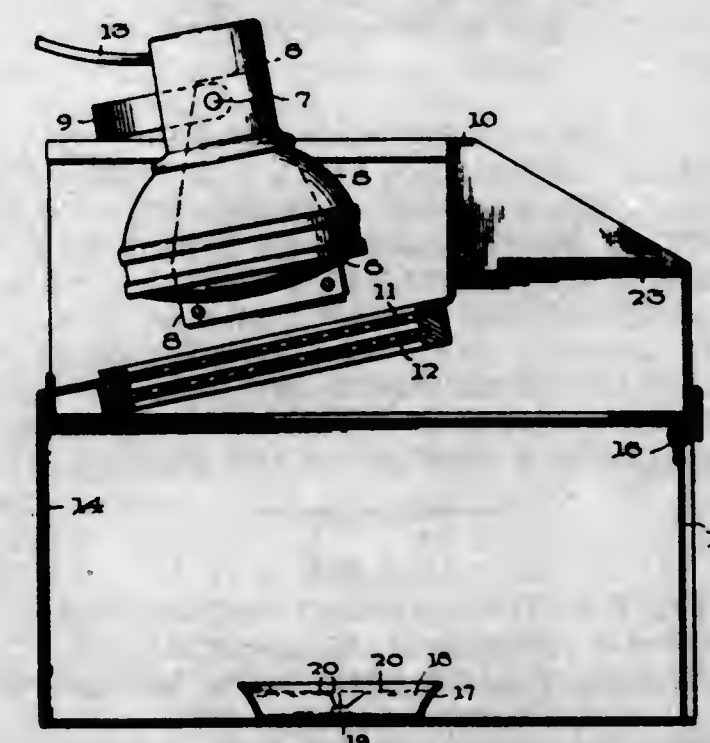
Application July 2, 1942, Serial No. 449,434
7 Claims. (Cl. 99-204)

1. A method of making banana powder which comprises comminuting ripe bananas to produce a pulp of creamy consistency, flowing the pulp onto the exterior cylindrical surface of an internally heated rotating drum to form a thin film thereon, partially drying the pulp by heating the film while moving with the drum to a temperature between 180° F. and 220° F. for a sufficient time to inactivate enzymes present in the pulp and to reduce the moisture content of the pulp to below 18% but not below the point where the banana pulp becomes scorched, removing the partially dried film while still plastic from the rotating drum, forming the pulp into shapes which when piled are sufficiently rigid to provide numerous and extensive passages for gases, further drying the pulp by passing a current of heated air through a pile of the shapes in a chamber to reduce the moisture content to below 2% and thereafter pulverizing the pulp when its moisture content is less than 2%, to produce a banana powder.

2,435,843

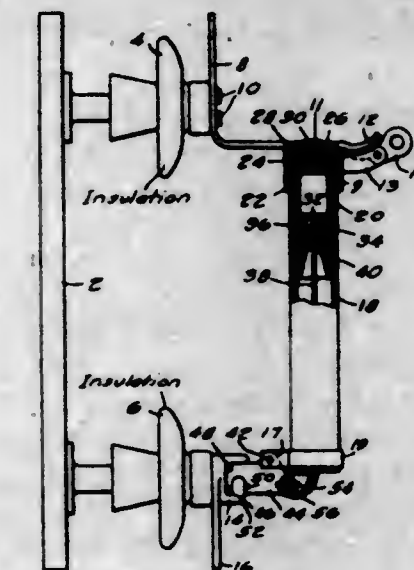
METHOD OF EXAMINING EARTH SUBSTANCES BY MEANS OF ULTRAVIOLET ILLUMINATION

Wendell P. Rand, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application March 18, 1947, Serial No. 735,423
7 Claims. (Cl. 250-71)

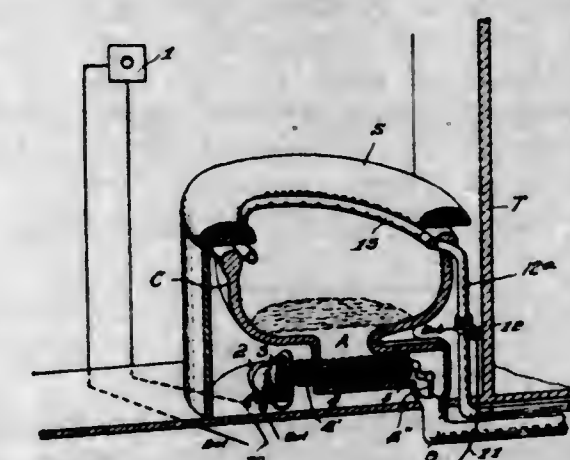
1. A method of examining fragments of rock or other materials which comprises removing external impurities from said fragment, gently immersing said fragment in a quiescent non-fluorescent solvent of petroleum under the illumination of ultraviolet light and immediately observing the ensuing reaction.

2,435,844

CIRCUIT INTERRUPTERHerbert L. Rawlins, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,621
23 Claims. (Cl. 200-114)

1. In a fuse including a substantially closed fuse tube having a pair of terminals thereon, fusible means connecting said terminals, and means responsive to fusion of said fusible means for creating fluid pressure in said tube; the combination of a supporting lever pivoted intermediate its ends on said tube, said lever having a supporting pivot element adjacent one end thereof, means engaging the other end of said lever for normally preventing movement of said lever, a rigid piston-like member slidably extending through an aperture in a wall of said tube and movable outwardly in response to pressure in said tube for releasing said lever for movement, whereby upon fusion of said fusible means the fluid pressure developed in said tube acts to expel said piston-like member.

2,435,845

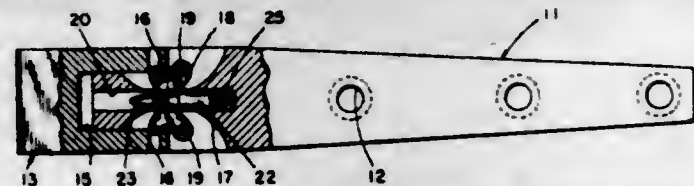
WATER CLOSET FOR HOUSE TRAILERS, MOBILE RESIDENCES, BUSES, AND THE LIKEClifford M. Eloe, Alexandria, Va.
Application May 4, 1945, Serial No. 591,932
3 Claims. (Cl. 4-10)

1. A water closet for house trailers, mobile residences and the like comprising a bowl, a screw conveyor in the bottom of the bowl extending transversely thereof, a waste reducing spider adjacent the outlet end of the conveyor and rotatable with the latter, a waste pipe leading from the bowl, a pump in said waste pipe connected to said conveyor, and means for operating the conveyor, reducing spider and pump.

2,435,846

TOOTH FOR POWER SHOVELS

Elmer E. Robertson, Harbor City, Calif.
Application January 7, 1946, Serial No. 639,510
2 Claims. (Cl. 37-142)

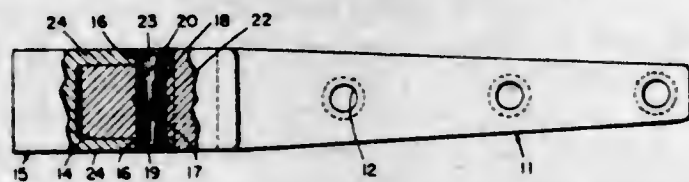


2. A removable tooth and tooth shank assembly for a power shovel bucket comprising a removable tooth with a cavity in the rear end having walls at the sides of the tooth, and holes in opposite side walls of said cavity; and a shank member having a tooth-cavity-fitting extension and locking means on the forward part thereof, said locking means consisting of latch members pivoted in slots in opposite sides of said extension, said latch members having free ends adapted to enter and engage the holes in the sides of said tooth cavity, and means operable from outside said cavity and shank extension for holding said latch free ends in said holes in the tooth cavity walls.

2,435,847

SHOVEL TOOTH

Elmer E. Robertson, Harbor City, Calif.
Application January 14, 1946, Serial No. 641,018
2 Claims. (Cl. 37-142)



1. A power shovel bucket tooth assembly comprising a tooth shank having means for permanent attachment to a power shovel bucket and provided with a forward extension for attachment to a removable tooth; a wear resisting tooth adapted to be removably attached to the forward extension of said tooth shank, said tooth having a narrowed front portion and an enlarged rear portion, the rear portion being provided with a cavity adapted to fit the forward extension of said shank, said cavity having holes through opposite walls thereof, and said shank extension having a hole therethrough aligned with the said cavity wall holes, the hole in said shank being provided with a groove in its central portion; a bushing having a keying ring extending from its exterior surface adapted to fit in the hole in said shank with the keying ring in the groove in said hole, said bushing having a tapered hole therethrough and being radially slotted from one end; and a tapered drive pin adapted to fit in said hole in said bushing.

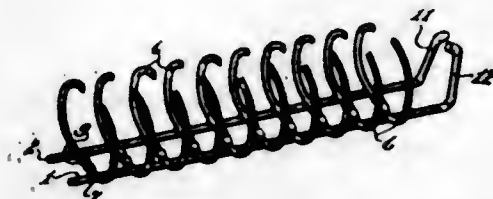
2,435,848

RING BINDER

John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Original application December 20, 1943, Serial No. 514,920. Divided and this application April 8, 1944, Serial No. 536,135
1 Claim. (Cl. 129-24)

A ring binder device comprising a toggle spring plate and a wire frame toggle mechanism, said mechanism being formed of two long wires, one held at each side edge of the plate, many more than two short wires carried crosswise of the long ones and arranged in four or more pairs

of complementary ring halves to form many rings, the corresponding series of ring halves being rigidly fastened at crossing spots to their adjacent long wire and with the many rings at closely spaced intervals as in multi-ring binders in contrast to three ring binders, each pair of ring halves having portions meeting end to end between the long wires to form a series of many closely spaced identical toggle knee joints of small size, each such joint being in the form of one wire end flattened to a knife edge pivot and one wire end flattened to tongue shape and split,

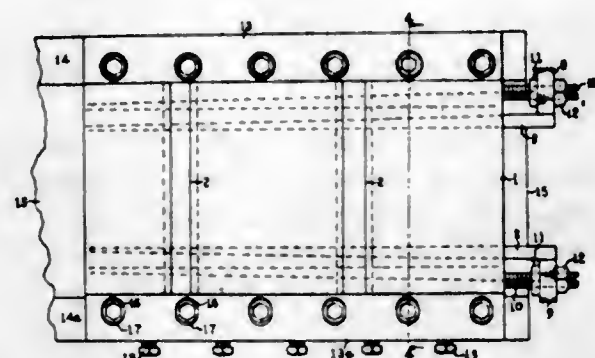


for a portion to lie below and a portion to lie above the cooperating wire end of the knife edge pivot, the metal bearing points of each knee joint being no more than that furnished by flattened contiguous wire ends so that the many closely spaced knee joint pivoting contacts are small ones of the stated kind, suspended between the long wires without other support than the cross wires, such cross wires being supported by said long wires, in turn supported by the spring plate, all adapted for an efficient, cheap, light weight binder of many closely spaced rings.

2,435,849

SLIDE ASSEMBLY FOR MACHINE TOOLS

Michael J. Schlitters, Grosse Pointe Park, Mich.
Application June 24, 1944, Serial No. 541,892
5 Claims. (Cl. 308-3)



5. In a slide assembly for machine tools, the combination with a slide and a pair of guide rails between which the slide reciprocates, a tapered gib inserted between the slide and one of said rails, means for increasingly inserting the gib between such rail and the slide and holding it selectively inserted to compensate for wear, and means for adjusting one of said rails toward the other rail to an extent materially exceeding the wear adjustment effected by the gib.

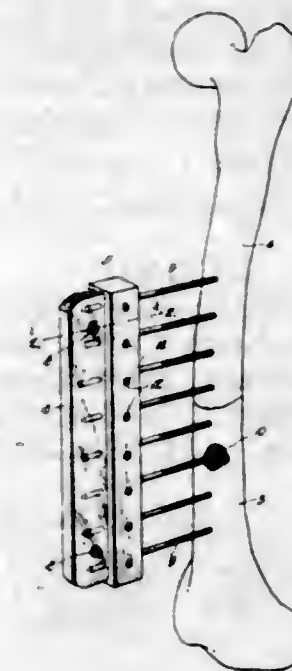
2,435,850

SPLINT AND GUARD CONSTRUCTION

John R. Siebrandt, Kansas City, Mo.
Application July 16, 1945, Serial No. 605,261
1 Claim. (Cl. 128-92)

A splint structure comprising a set of transfixion pins, a splint bar having transverse passages for said pins and the free ends of the pins projecting outwardly from the bar, a guard member having a channel portion for embracing the projecting ends of said pins and also having extensions for embracing opposite side faces of the bar, and clamping means for holding said ex-

tensions of the guard against said opposite side faces of the bar, said extensions terminating in

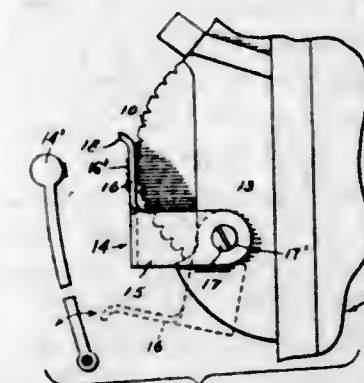


right angle flange portions projecting toward each other partly across another face of said bar.

2,435,851

ATTACHMENT IN LAUNDRY MARKING MACHINES

Walter C. Straszer, Los Angeles, Calif.
Application December 12, 1945, Serial No. 634,523
1 Claim. (Cl. 101-95)



An imprint attachment for a laundry marking machine having an opening, marking wheels having marking elements thereon extending through the opening and a tiltable platen cooperating with the marking elements and adapted to support articles of clothing for receiving an imprint from said marking elements when moved against the same by said platen; said imprint attachment comprising a cross connecting bridge portion adapted to cover the marking elements, means on said bridge portion adapted to mark articles of clothing, arm means extending from said bridge portion, means on said arms adapted to pivotally mount said attachment to the machine adjacent the marking wheels, said bridge portion being adapted to be swung in front of the marking elements to present the marking means on said bridge portion in confronting relationship to the platen whereby an article of clothing on the same can be marked by the bridge marking means instead of by the marking elements, and an arcuate-shaped flange portion on said bridge portion adapted to be engaged by the platen when the same is tilted toward the marking wheels to positively hold said attachment in a raised position during marking by the same, said attachment being tiltable away from said marking elements to expose same for marking purposes.

2,435,852

FLUX FOR USE IN ARC WELDING

Leonidas K. Stringham, University Heights, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 3, 1942, Serial No. 445,657

2 Claims. (Cl. 148-26)

2. A pre-fused flux for arc welding purposes having approximately the following composition:

SiO ₂	41.12
CaO	13.06
MgO	2.69
Al ₂ O ₃	26.53
MnO	10.30
Na ₃ AlF ₆ (based on F ₂)	5.22
FeO	.9
CO ₂	.15

2,435,853

COMPOUNDING BUTADIENE-ACRYLONITRILE COPOLYMER WITH AN ALCOHOL ESTER OF A MONO-ALKENYL SUBSTITUTED SUCCINIC ACID

Leslie T. Sutherland, Yonkers, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 13, 1944, Serial No. 530,946

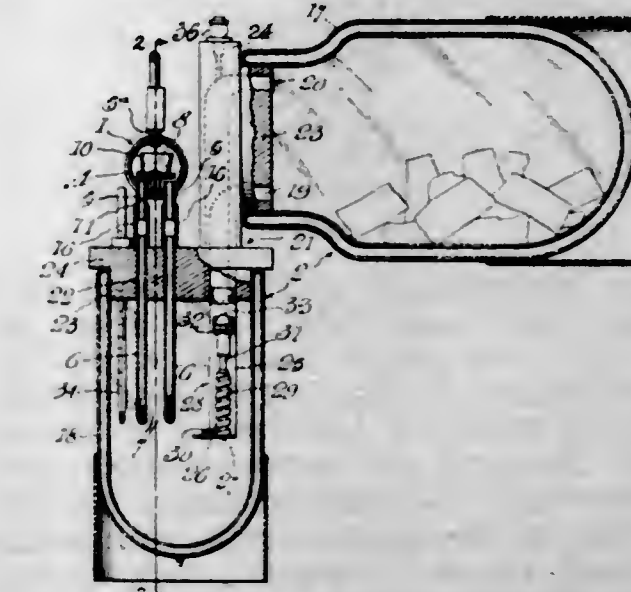
16 Claims. (Cl. 260-36)

1. A process of making vulcanizates of vulcanizable butadiene-acrylonitrile copolymer which comprises compounding the copolymer with an alcohol ester of a monoalkenyl-substituted succinic acid containing from 4 to 14 carbon atoms in the alkenyl group and from 1 to 47 parts by weight of sulfur for each 100 parts by weight of the copolymer, and vulcanizing the resultant compound.

2,435,854

APPARATUS FOR THE FREEZING-DRYING OF TISSUES

Albert Cecil Taylor, Chicago, Ill., assignor to the United States of America, as represented by the Secretary of War
Application May 7, 1945, Serial No. 592,394
3 Claims. (Cl. 34-51)

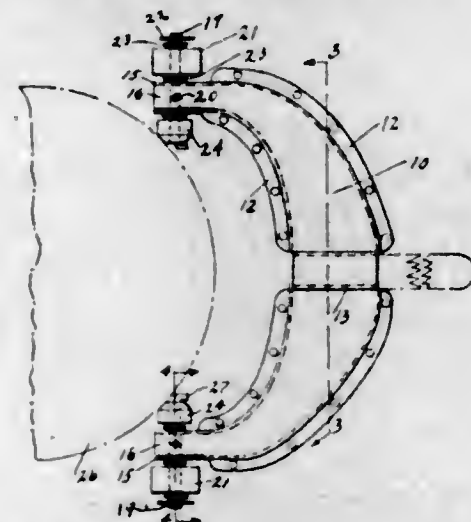


1. An apparatus for desiccating tissues, comprising, a manifold, ducts connected to the manifold, a removable vacuum-tight cap secured to one end of said manifold, a high vacuum pump communicably connected to the other end of said manifold, a desiccating agent positioned in said manifold, vials containing tissues, pressure tubing fitted vacuum tight with said ducts and said vials, first and second containers positioned at different elevations, the first one of said contain-

ers adapted to function as a source of gases at low temperature, covers for said containers adapted to hermetically seal said containers, apertures provided in the cover of said second container the vials being hermetically sealed in said apertures, convection conduits extending through said covers and connecting said containers, and a thermostatically controlled valve adapted to control the flow of said low temperature gases in said convection conduits.

2,435,855
CUE HEAD

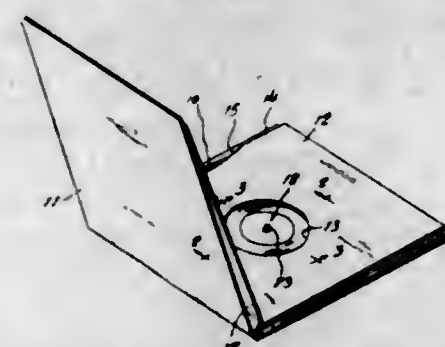
Edward J. Von Pein, Dayton, Ohio
Application January 17, 1945, Serial No. 573,254
18 Claims. (Cl. 273-129)



1. A head for a cue comprising a body having forwardly extending parts spaced laterally one from the other, disk engaging contact members rotatably supported by the respective forwardly extending parts, and means for movably supporting said body and said contact members on and out of engagement with the surface over which said head moves.

2,435,856
RECORD ALBUM

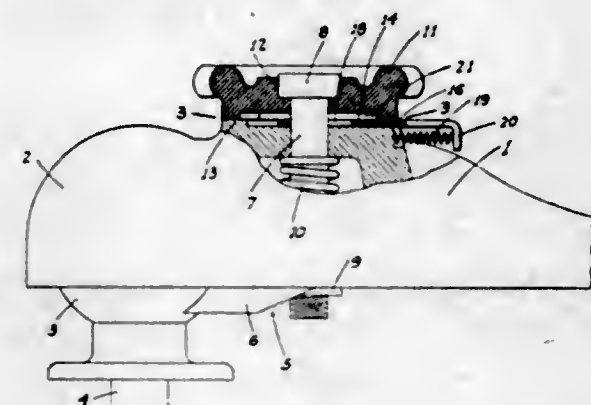
Richard I. N. Weingart, Glen Head, N. Y.
Application March 15, 1946, Serial No. 654,540
4 Claims. (Cl. 129-20)



4. In a phonograph record album provided with front and back covers and open top envelopes, such envelopes having generally circular openings in opposed walls thereof and being mounted between the covers in hinged relation for receiving the records which are provided with small central openings therein, the combination of means for preventing accidental displacement of the records from the album when such album is inverted, such means comprising a pin rigidly mounted at its inner end on the inner surface of the rear cover and being arranged to pass through said central openings in the records positioned within the envelopes, the pin being positioned substantially midway between the opposed side edges of the envelopes and also being so positioned relative to the lower edges thereof as to support the records in spaced relation to said lower edges when the album is in vertical position, such pin being formed at its

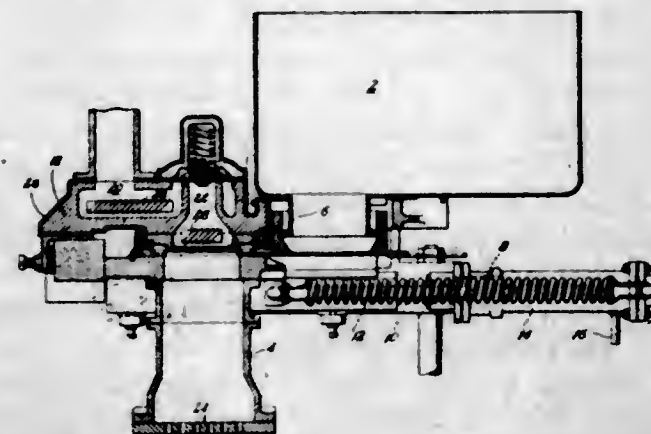
outer end with a substantially hemispherical terminal portion to facilitate entry of the pin into the record openings, such terminal portion being of greater diameter than the diameter of the pin and being formed on its lower surface with a hook-like projection which impedes movement of the records mounted on the pin beyond the terminal thereof when the album containing the records is inverted.

2,435,857
LOCKING DEVICE FOR TRAILER HITCHES
Arthur C. Werner, Lodi, Calif., assignor to Lloyd H. Lukens, Lodi, Calif.
Application October 2, 1946, Serial No. 700,772
5 Claims. (Cl. 280-33.17)



4. A locking device for a trailer hitch which includes a hand wheel turnably mounted on a body part and an adjustment bolt extending axially from the hand wheel through the body part, said locking device comprising a circular internal ratchet on the hand wheel adjacent said body part, an annular supporting shoulder included in said body part concentric to the hand wheel axis, the hand wheel bearing against said annular shoulder and the internal ratchet being exposed radially inwardly thereof, a slide extending through the annular shoulder for motion radially of and adjacent the ratchet but fixed circumferentially of the latter, and a holding pawl on the slide normally engaged with the ratchet but releasable therefrom upon radial shifting of the slide in an inward direction, there being a spring urging the slide radially outwardly, and a stop on the slide limiting outward motion thereof, said stop being a shoulder on the slide bearing against the annular shoulder which supports the hand wheel.

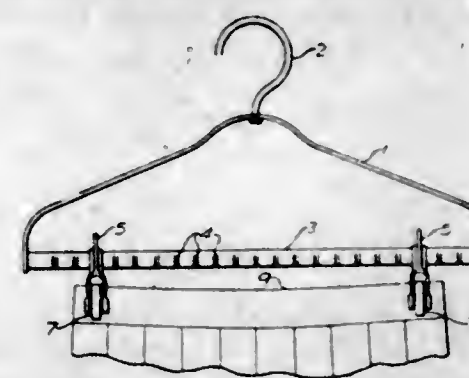
2,435,858
CORE MANUFACTURE
Donald E. Whitehead, New York, N. Y.
Application October 4, 1944, Serial No. 557,183
5 Claims. (Cl. 22-194)



2. The method of forming cores which comprises mixing sand and a comminuted uncured thermo-setting resin together to form a dry core material, heating the material with live steam to render the resin fluid and finally forcing the

material while hot into a core box by steam pressure whereby upon cooling and setting of the resin a firm core comprising sand bound together with cured resin is produced.

2,435,859
GARMENT HANGER
John E. Whitman, Bremerton, Wash.
Application June 6, 1945, Serial No. 597,743
7 Claims. (Cl. 223-91)



6. A garment hanger including a horizontal bar of inverted U-shaped section, and of somewhat resilient material, permitting limited approach of the opposite faces of the bar, a pair of separable members of inverted U-shape, having inner faces complementary to and adapted to seat upon the corresponding faces of the bar, means interengaged between the respective members and the bar, when thus seated at any one of a plurality of positions lengthwise of the bar, to prevent shifting of the members lengthwise of the bar, a dog inwardly directed from each member, and engageable beneath the bar's lower edge by the bar's resilience, when the member is seated upon the bar, to prevent movement of such member vertically relative to the bar and means carried by each member to engage and suspend a garment.

2,435,860
BUST FORM
Lewis Wilkenfeld and Flora Wilkenfeld,
New York, N. Y.
Application October 10, 1946, Serial No. 702,438
4 Claims. (Cl. 2-267)

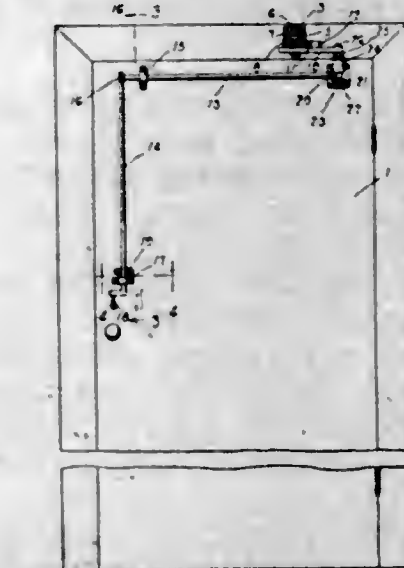


1. A bust form made from a sheet of foam rubber having a substantially V-shaped cut therein, the edges of which are slightly arcuate, these edges being cemented together, thereby producing a form which simulates a human breast, the outer edge of said sheet being chamfered whereby a flat surface is presented to the body.

2,435,861
SECURITY DOOR HOLDER
Wylie S. Wilkinson, Bayard, N. Mex.
Application August 17, 1945, Serial No. 610,912
7 Claims. (Cl. 292-341)

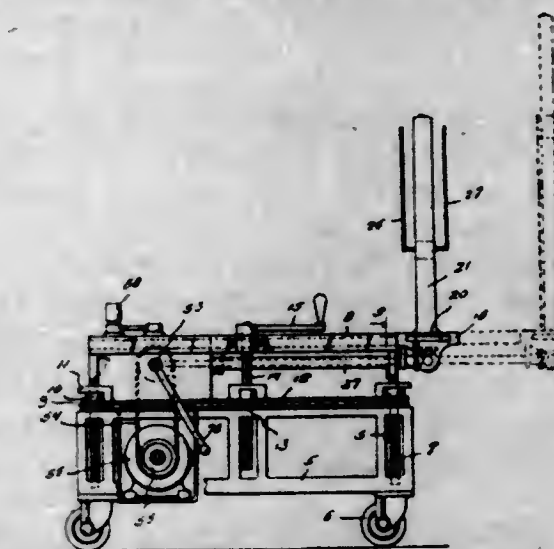
1. A door holder comprising a mounting adapted to be mounted on a door frame above a door hinged at one side edge to the frame for swinging movement to opened and closed positions, an arm carried by said mounting and extending outwardly therefrom, a circular toothed block, a bar having a front end portion formed with a longitudinally extending slot and dis-

posed across said block diametrically thereof, a pin passing through the arm and the block and through the slot of said bar to slidably and pivotally mount the bar, a latch carried by said bar for engaging the teeth of said block, a bearing bracket adapted to be mounted on the door adjacent the hinged side edge thereof, a lever pivoted intermediate its length to said bracket, an upright member carried by the outer end of said lever, an arm extending outwardly from the up-



per end of the upright member and pivoted to the rear end of said bar, a rod pivoted at its rear end to the inner end of said lever, a bearing bracket for slidably mounting said rod horizontally across the upper portion of the door, an actuating rod disposed vertically and having an arm at its upper end pivoted to the front end of the first rod and a crank handle at its lower end, and a bearing bracket for rotatably mounting the actuating rod vertically along the free side edge portion of the door.

2,435,862
WINDOW CLEANING APPARATUS
Smith D. Wilson, Chicago, Ill.
Application September 12, 1944, Serial No. 553,755
1 Claim. (Cl. 15-103)



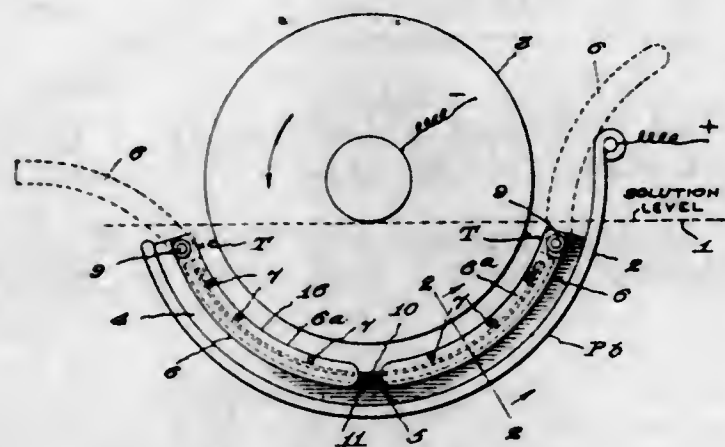
A window cleaning apparatus comprising a portable base element to be placed in working proximity to a window, a horizontally extensible frame on said base element, means for selectively raising and lowering said frame, means including operating and control means mounted on said frame, including means for extending and retracting the extensible frame, a vertically movable cleaner support mounted to be transversely movable on the outer end portion of the extensible frame, said cleaner support carrying a cleaner element thereon, means for selectively raising and lowering said cleaner support including control means mounted on the frame, and means for selectively moving said support transversely of the frame in either direction including control means mounted on the frame.

through the other of said holes and over the slot associated therewith, one of said coils being arranged to be connected to a source of high-frequency alternating current and the other of said coils being arranged to be connected to a source of relatively low-frequency alternating current, said one edge of said plate having a groove extending therealong and arranged to have a wire of high magnetic retentivity travel therein.

2,435,872

METHOD OF ELECTROPLATING CYLINDERS

Silas Coulson, Jackson Heights, N. Y.
Application December 23, 1943, Serial No. 515,441
9 Claims. (Cl. 204—25)

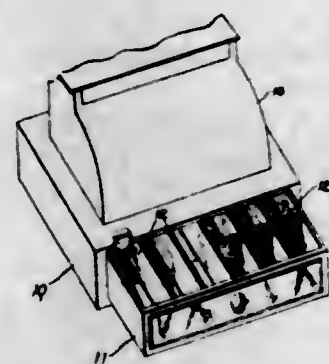


1. In the art of electroplating cylinders, wherein electric current is passed through an electrolyte from a soluble anode across an intervening space to the contiguous surface of a cathode cylinder to be plated, the method which comprises: physically stripping a plated shell from a previously plated cylinder, thereafter physically manipulating the stripped shell into flattened arcuate form and restraining it in such flattened arcuate form in the electrolyte in a position wherein it is in substantially coaxial spaced relation to the cylinder to be plated while feeding the positive electric current to such shell to cause it to serve as the anode.

2,435,873

AUTOMATIC CHANGE CHECK

Charles H. Crary, Hammond, Ind.
Application January 5, 1946, Serial No. 639,436
3 Claims. (Cl. 116—114)



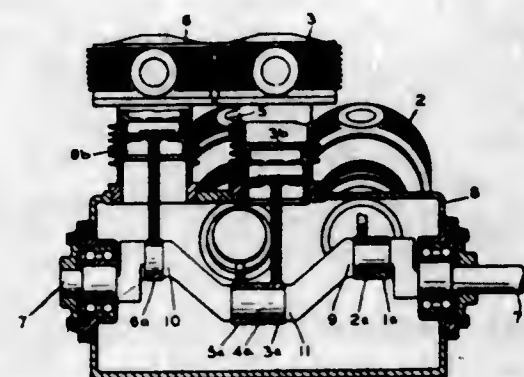
2. For use with a cabinet and a drawer slidable into and from said cabinet, an automatic reminder device for mounting on said drawer adjacent the rear of the same, said reminder device comprising a mounting plate for attachment to a drawer part, a horizontally disposed pivot carried by said mounting plate, a card holder pivotally mounted on said pivot, said card holder comprising a sleeve and a relatively flat plate having

edges bent to hold a card, a spring constructed to nest in said sleeve about said pivot, said spring being attached at one end to said mounting plate and at the opposite end engaging said card holder to normally lift and maintain said card holder in an upright position upon opening of said drawer and whereby said card holder will be moved to a depressed position upon inward movement of said drawer by engagement of said card holder with said cabinet.

2,435,874

SIX-CYLINDER CRANK THROW ARRANGEMENT

Paul H. Davey, Kent, Ohio
Application July 25, 1946, Serial No. 686,192
3 Claims. (Cl. 230—187)



1. In combination, a crankcase, a crankshaft journaled therein and extending longitudinally thereof, said shaft having first and third throws spaced longitudinally of said shaft, said first and third throws being axially aligned, said shaft having a second throw intermediate said first and third throws and one hundred and eighty degrees around the crank circle from them, first and second cylinders having axes inclined at angles of approximately sixty degrees respectively left and right from the vertical, a third cylinder having its axis vertical, fourth and fifth cylinders having axes inclined at angles of approximately sixty degrees respectively left and right from the vertical, a sixth cylinder having its axis vertical, a reciprocable piston in each of said cylinders, and connecting rods for connecting the pistons of said first and second cylinders with said first throw, for connecting the pistons of said third, fourth and fifth cylinders with said second throw, and for connecting the piston of said sixth cylinder with said third throw.

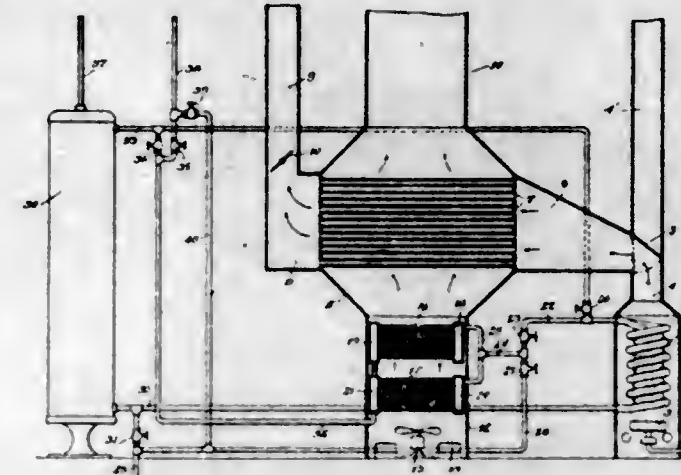
2,435,875

HEATING AND COOLING SYSTEM FOR HOUSES

Andrew De Lore, New York, N. Y.
Application September 5, 1946, Serial No. 694,872
2 Claims. (Cl. 257—9)

1. A device of the character described comprising a construction for providing heated air for heating a building in cold weather and cool air for cooling said building in warm weather, said construction including a casing having an air inlet at the bottom and an air outlet at the top, an upper heat exchange unit in said casing near the top thereof, a lower heat exchange unit in said casing near the bottom thereof, a primary system of pipes for directing cold water through said lower heat exchange unit, one end of said system being connected to a cold water supply main, a heater having a coil therein for heating water, a secondary system of pipes for directing hot water from the top of said coil through said

lower heat exchange unit, means for connecting said heater to a cold water supply main, said heater having two outlets for the products of combustion thereof, one of said two outlets including said upper heat exchange unit and the other an outlet chimney, and a hand adjustable damper mounted so that when in one position



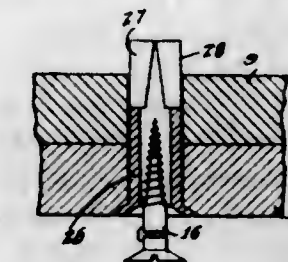
it will close said outlet chimney and deflect the hot products of combustion from said heater to and through said upper heat exchange unit for heating the same and when in an opposite position will deflect said hot products of combustion from said upper heat exchange unit to said outlet chimney.

2,435,876

BLIND BOLT

Jan de Swart, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware

Application June 20, 1944, Serial No. 541,169
1 Claim. (Cl. 85—2.4)

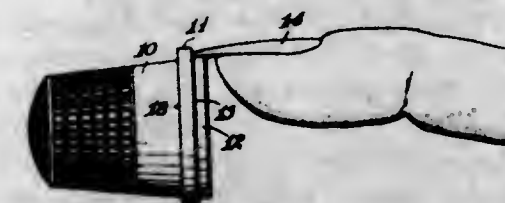


A blind fastening device comprising a sleeve of deformable plastic material, a metal screw having a self-tapping tapered end portion adapted to be inserted through said sleeve, said sleeve having a slotted inner end extension provided with an outwardly tapering internal bore and a deformable plastic nut having an inwardly tapered portion extending into the tapered internal bore of said end extension, said nut means adapted to receive the threaded end portion of said metal screw and to be deformed by rotation of said metal screw to axially compress and radially expand said sleeve.

2,435,877

THIMBLE

John B. Doucet, Chicago, Ill.
Application November 28, 1945, Serial No. 631,374
2 Claims. (Cl. 223—101)



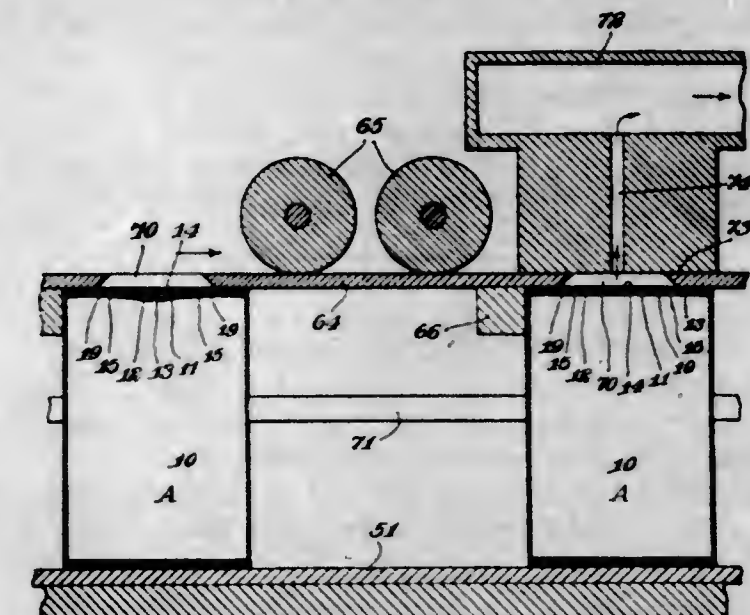
1. The combination with a sewing thimble having a tubular wall; of an annular flange extended from such wall at a point near one end thereof

and in a plane substantially crosswise of the wall, and a finger-nail file comprising a serrated formation of the face of said flange proximate to said end.

2,435,878

METHOD AND APPARATUS FOR SEALING CARTONS BY SUCTION

Robert M. Dunning, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application January 4, 1945, Serial No. 571,237½
17 Claims. (Cl. 93—6)

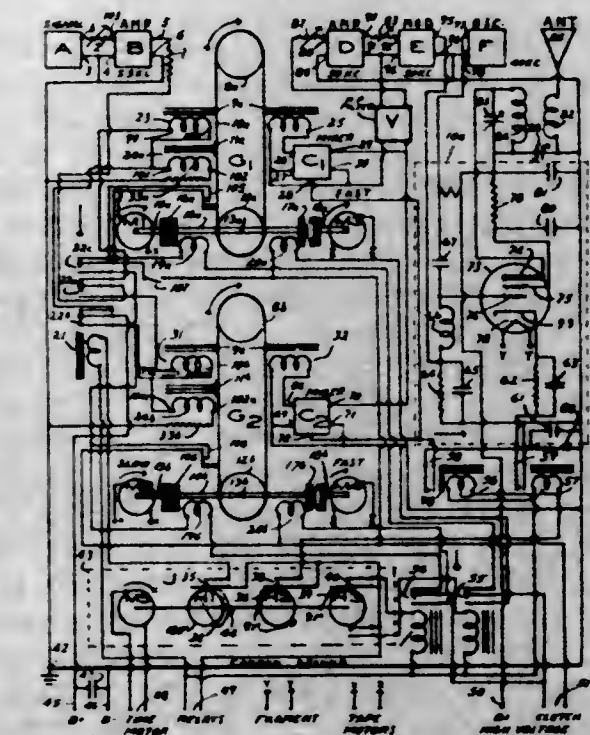


1. The method of sealing cartons having closures consisting of flap means in surface contact, certain of the flap means outwardly of an inner flap means having aperture means therein, the method including the steps of applying a partial vacuum to the closure of the carton in a manner to urge the said inner flap means into contact with the next adjacent flap means.

2,435,879

HIGH-SPEED TRANSMISSION COMMUNICATION APPARATUS

Stanley D. Ellenberger, Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co., a corporation of Illinois
Application August 14, 1942, Serial No. 454,855
16 Claims. (Cl. 179—100.2)



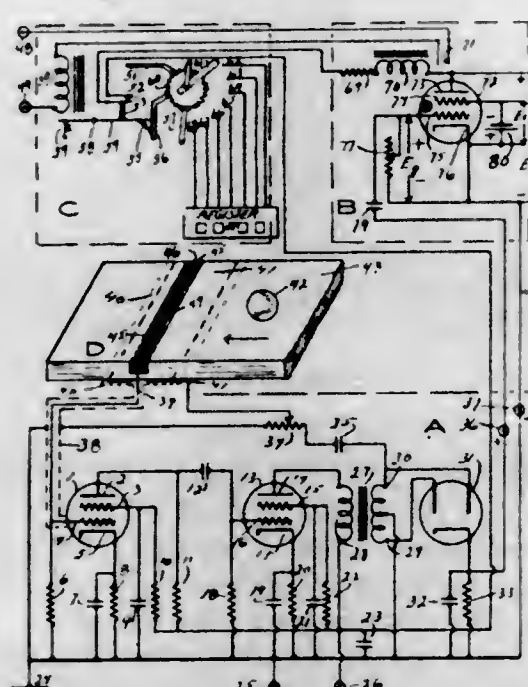
6. In a signaling system, means for converting an original signal occupying a given time inter-

val into a second signal of a series of relatively short time intervals comprising a plurality of magnetic tapes, driving means for each tape having two speeds, a recording head for each tape, an obliterating head disposed adjacent to each recording head, means for sequentially rendering each of said obliterating heads operative to condition each said tape to receive said signals from each of said recording heads, means for simultaneously rendering the adjacent recording head operative to record a part of said original signal on its associated tape while said driving means causes said tape to describe one circuit at the lower of the two speeds, a reproducing head for each of said tapes, means for sequentially rendering each of said reproducing heads operative to reproduce said recorded signal while said driving means causes the associated one of said tapes to describe one circuit at the higher of the two speeds, and means for causing said signals to be reproduced in the order of their recording.

2,435,880

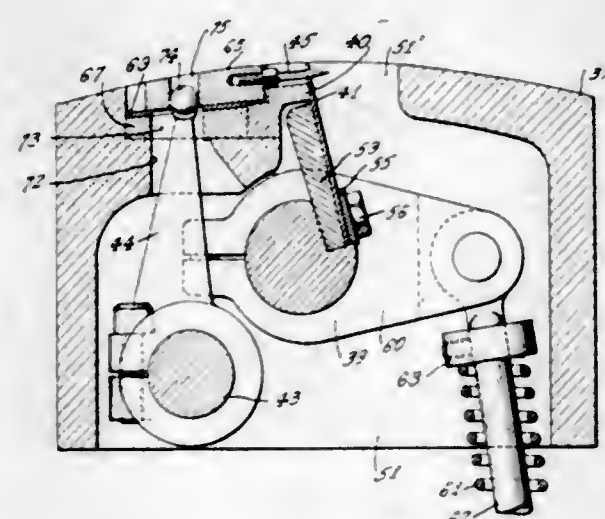
ELECTRONIC CONTROL SYSTEM

Stanley D. Ellenberger, Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co., a corporation of Illinois
Application September 22, 1943, Serial No. 503,425
2 Claims. (Cl. 235-92)



2. In an electronic control system including registering means adapted to be activated by a control circuit responsive only to a control voltage in excess of a predetermined value, a pair of spaced external electrodes, an electronic amplifier having an input circuit connected to one of said electrodes and an output circuit connected to the other of said electrodes, means shielding at least one of said electrodes to restrict the feed back from the output circuit to the input circuit of the amplifier substantially to prevent oscillation of said amplifier when no object is present in the field between said electrodes, the increase in energy feed back between said electrodes due to the presence of an object in the field between said electrodes causing said amplifier to oscillate, said control circuit including a gas-filled electronic tube normally non-conducting, a rectifier operatively connected to the output circuit of the oscillator, and means for supplying to the gas-filled tube a rectified voltage pulse from said rectifier in excess of the threshold voltage of said gas-filled tube when an object passes through the field between said electrodes.

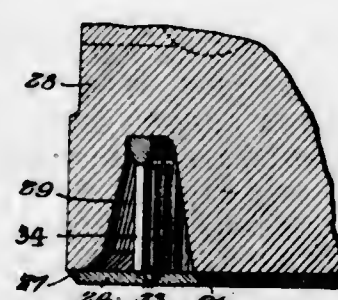
2,435,881
WEB FOLDING MECHANISM
Harry W. Faerber, Larchmont, N. Y., assignor to Time, Inc., New York, N. Y., a corporation of New York
Application November 28, 1945, Serial No. 631,329
14 Claims. (Cl. 270-72)



1. In a paper folding mechanism, the combination of a tucking cylinder, a tucker blade thereon, a co-operating jaw cylinder, relatively movable jaws on said jaw cylinder adapted to receive said tucker blade, means for opening said jaws to receive said tucker blade and paper tucked therein by said tucker blade and for closing said jaws against said paper and tucker blade to fold the paper and then to grip the fold after said tucker blade has been withdrawn and pins operable independently of said jaws for holding the fold of the paper withing said jaws during the withdrawal of said tucker blade.

2,435,882
VALVE SEAT

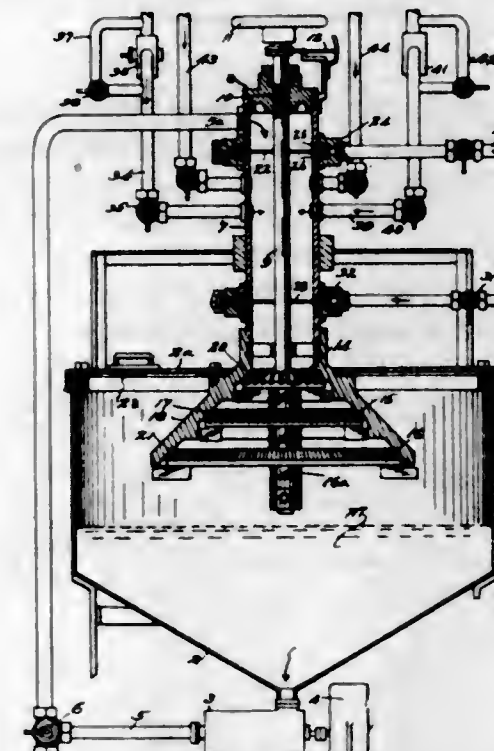
Donald G. Fawkes, Chicago, and Frederick R. Venton, Elmhurst, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application March 15, 1944, Serial No. 526,840
3 Claims. (Cl. 251-27)



1. In a valve, a seating member having a lower face, a flat seat ring formed of relatively thin metal and having its inner and outer peripheries in fluid tight engagement with said face and having an annular seat engaging portion yieldably resistant to seating pressure, said seat ring being substantially continuously welded along at least one of its peripheral edges to the face of said seating member, and yieldably resistant means interposed between the annular seat engaging portion of the seat ring and the seating member, the said latter member having an annular recess or chamber to receive the yieldably resistant means, the said yieldably resistant means consisting of a deflectable sleeve, the axial deflection of the said sleeve due to the seating pressure applied being directly proportional to the height of the sleeve and inversely proportional to its cross-sectional area.

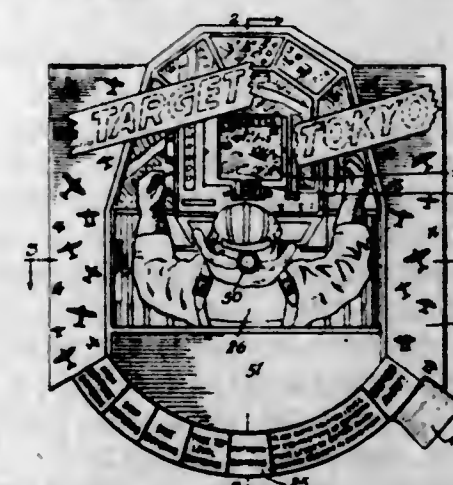
2,435,883
WROUGHT GRAY IRON WELDING ROD
Raymond J. Franklin, Chicago, Ill., assignor to The Chicago Hardware Foundry Company, North Chicago, Ill., a corporation of Illinois
No Drawing. Application November 13, 1944, Serial No. 563,317
4 Claims. (Cl. 219-8)
1. A wrought gray iron welding rod.

2,435,884
HOMOGENIZING UNIT
George F. Galewski, Los Angeles, Calif., assignor of one-third to Kermit B. Niles, Venice, and one-third to Howard D. Russell, Los Angeles, Calif.
Application December 18, 1945, Serial No. 635,831
7 Claims. (Cl. 259-8)



1. Homogenizing apparatus having, in combination, a tank, a standing hollow column having at its foot a stream homogenizing, freely rotative disc valve choking flow at its rim from the bottom edge face of the column to the tank to form a film, a pipe for circulating contents of the tank to the top of the column and having a head discharge outlet thereto and the pipe having a positive-action pump to force the circulated material in homogenizing films past said valve, and means having inlets below the said outlet for supplying ingredients of the material to the column.

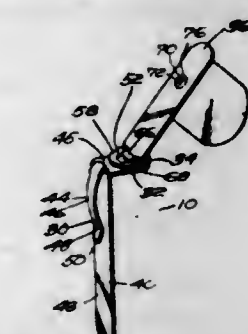
2,435,885
ROTATING GAME DISK
Morris Gewirtzman, New York, N. Y., assignor to The Advertisers' Service Division Incorporated, New York, N. Y.
Application May 26, 1944, Serial No. 537,418
2 Claims. (Cl. 273-142)



1. A game device comprising a casing having a window and a catch stop, a ratchet wheel and a pawl carried by said casing on a common pivot,

said pawl engaging said ratchet wheel for rotational movement thereof in one direction, said catch stop engaging said ratchet wheel to prevent movement in the opposite direction, an arcuate dial on said casing, a ratchet lever on said pawl movable along said casing dial as an indicator therefor, and a circular dial on said ratchet wheel positioned for exposure through said casing window, the indications on said casing dial having a definite meaning relative to some of the indications on the ratchet dial, the extent of movement of the ratchet wheel and hence of the ratchet dial relative to the casing and the casing dial being determined by, and being at all times proportional to, the extent of movement of the ratchet lever along said casing dial.

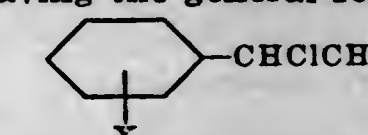
2,435,886
BOOK MARK
Charles H. C. Hayes, North Attleboro, Mass.
Application January 17, 1946, Serial No. 641,793
9 Claims. (Cl. 116-119)



5. A book mark comprising clasp means for securing said book mark to a back binding portion of a book having a flat base portion projecting forwardly substantially at right angles from the outer end thereof, a flat hinge member swivelably mounted on said base portion, a flat end plate hingedly mounted on said hinge member to pivot outwards from a position substantially in the plane thereof, and a flat marker swivelably mounted on said end plate.

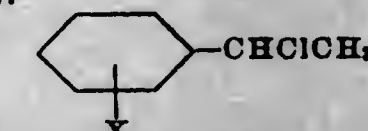
2,435,887
STABILIZATION OF CHLORINATED ETHYL-BENZENE BY BASIC ANION EXCHANGE AGENTS
Herbert G. Hornbacher and William C. Bauman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 1, 1946, Serial No. 651,430
15 Claims. (Cl. 202-57)

1. The method which comprises stabilizing a compound having the general formula:



wherein X represents a member of the group consisting of hydrogen and chlorine, against decomposition at temperatures below 180° C. by contacting a basic form of an anion exchange agent therewith.

3. A mixture of a compound having the general formula:

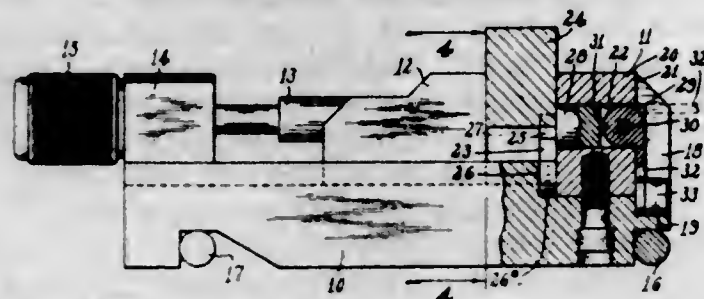


wherein X represents a member of the group consisting of hydrogen and chlorine, and a basic form of an anion exchange agent, which mixture is more stable against decomposition at temperatures below 180° C. than is said compound alone.

2,435,888

WORK HOLDER

John Jesionowski, Schenectady, N. Y.
Application June 9, 1945, Serial No. 598,604
8 Claims. (Cl. 90-60)



1. A sine vise having a base plate with transverse roll members adjacent the respective ends at the underneath portion thereof whereby the plate may be positioned at various angles to a horizontal plane, a fixed jaw and a movable jaw associated with said plate at the upper portion thereof and having opposing portions adapted to clamp a work piece, and means including a rockable angularly adjustable plate supporting the work piece from beneath in the space between the jaws for setting the work piece between the jaws at any of a number of predetermined angles in a vertical plane extending transversely of the jaws.

2,435,889

PRODUCTION OF METALLIC DESIGNS ON NONMETALLIC MATERIALS

Frank Enoch Kerridge, London, England, assignor to Johnson, Matthey & Company Limited, London, England, a British company
Application June 1, 1944, Serial No. 538,231
In Great Britain June 2, 1943
6 Claims. (Cl. 41-42)



1. A process of producing metallic designs on non-metallic materials comprising the steps: (a) providing a non-metallic material with a thin coating of a precious metal selected from the group consisting of silver, gold and palladium evenly distributed over its surface, (b) coating the resulting metal surface with a film of light-sensitized colloid selected from the group consisting of glue and gelatin and processing said film by photographic methods to produce a positive image in said colloid of the desired design, (c) hardening said image to convert it into a resist, (d) removing the metal not covered by said resist by etching with a solution of a halogen selected from the group consisting of bromine and iodine in a solvent selected from the group consisting of the lower aliphatic alcohols and the esters thereof, thus leaving the design in metal below the resist, and (e) firing the article to burn away the resist and cause the metallic design to adhere firmly to the non-metallic material.

2,435,890

GLOVE

Benjamin Lembeck, Laurelton, N. Y.
Application April 18, 1945, Serial No. 588,906
1 Claim. (Cl. 2-158)

A combined right and left hand mitten adapted to be turned over and placed on either hand, said mitten comprising identical front and rear blanks, a thumb receiving pocket carried by one side of the mitten adjacent its inner end, a continuous pleat connecting the edges of the blanks

and extending from adjacent the outer end of the thumb pocket around the outer end of the mitten

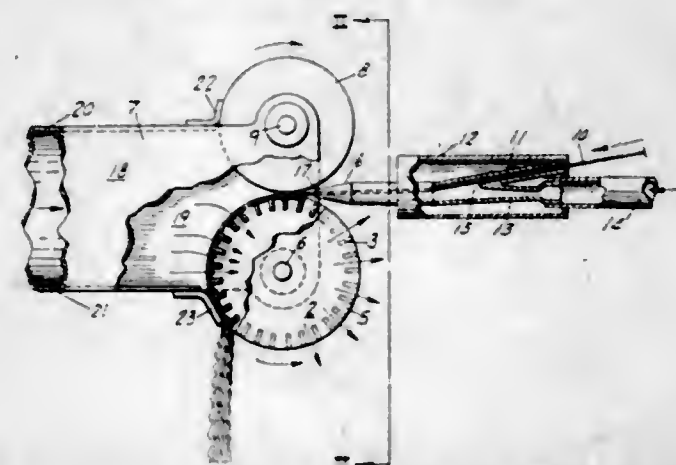


and to the rear end of the mitten side opposite the thumb pocket.

2,435,891

METHOD AND APPARATUS FOR CRIMPING TEXTILE FIBROUS MATERIAL

Alvin Lodge, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 24, 1941, Serial No. 399,439
18 Claims. (Cl. 18-8)



8. In an apparatus of the character described, means for continuously moving two material surfaces through approximately tangentially related paths at least one of which is arcuate means for continuously pressing the successively opposed portions of the two material surfaces into contact to form a nip and means for feeding a fibrous material longitudinally into said nip at a linear speed in excess of that of the motion of said surfaces, said feeding means comprising means for directing a stream of fluid toward said nip and means for guiding said fibrous material into the path of said stream of fluid.

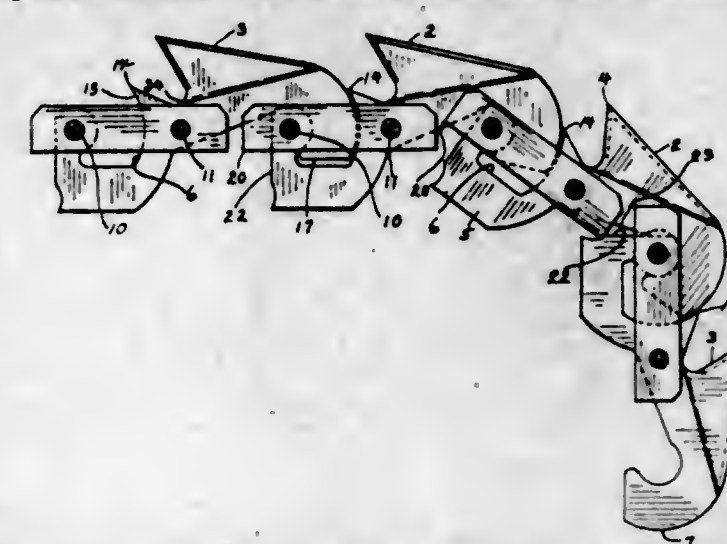
2,435,892

CUTTING CHAIN

Arthur W. Mall, Flossmoor, Ill., assignor to Mall Tool Company, Chicago, Ill., a corporation of Illinois
Application January 7, 1944, Serial No. 517,442
9 Claims. (Cl. 143-135)

1. A wood cutting chain comprising a plurality of separable teeth linked together to form a continuous flexible chain wherein adjacent teeth are adapted to assume a straight condition and flex to a bent condition, each of said teeth having a downwardly depending tongue portion and an arcuately shaped tail portion, an elongated substantially rectilinear bearing surface extending from the inner wall of said tail portion, each tongue portion continuing upwardly to form a pivot post, the tail portion of each tooth being rotatably mounted on the pivot post of each succeeding tooth, the front wall of each tongue portion being substantially rectilinear and adapted

to engage the substantially rectilinear bearing surface of each preceding tooth whereby to limit the rotative movement of one tooth relative to its preceding tooth when the two teeth are mov-

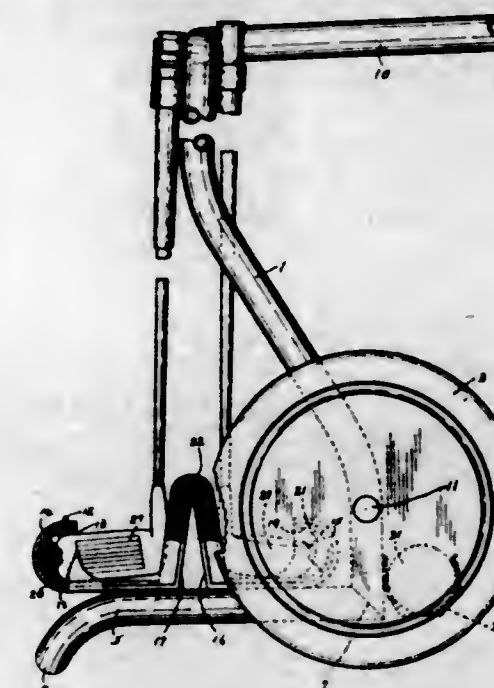


ing from the straight condition to the bent condition, the substantially rectilinear bearing surface being greater in length than the length of the substantially rectilinear front wall of each tongue portion.

2,435,893

GOLF CLUB CARRIER

Arthur W. Mall, Flossmoor, Ill., assignor to Mall Tool Company, Chicago, Ill., a corporation of Illinois
Application April 28, 1945, Serial No. 590,787
5 Claims. (Cl. 150-1.5)



5. A golf club carrier comprising a somewhat L-shaped frame structure, one end of said frame structure being adapted for engaging the earth and the other end of said frame structure forming the handle for said club carrier, a rack-like member supported on the base of said frame structure, said rack-like member comprising a club toe retaining member and a club heel retaining member, and yieldable pad-like engaging means adjacent to the toe and heel retaining means for firmly holding the club head against turning when the club handle is held by the handle retaining means.

2,435,894

BREAST MASSAGING DEVICE

Lionel Albert Maro-Aurele, Montreal, Quebec, Canada, assignor to Neo Beauty Line Company Ltd., Montreal, Quebec, Canada
Application June 4, 1946, Serial No. 674,290
4 Claims. (Cl. 128-65)

1. As an article of manufacture, a breast massaging device comprising a semi-spherical cup, resilient water-sealing means at the edge of said cup, a semi-circular extension on said

edge, a water inlet nipple in the said extension, a deflector over the inlet nipple aperture inside

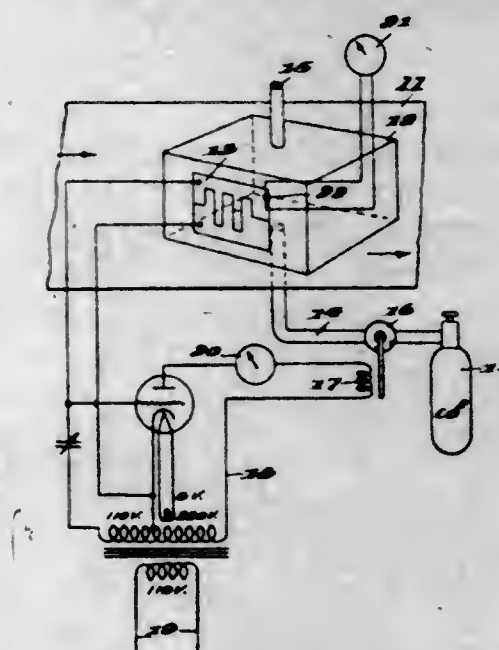


the cup, and a water drain at the dome of the cup.

2,435,895

DEW POINT DETECTOR

Oran T. McIlvaine, St. Charles, Ill.
Application June 24, 1943, Serial No. 492,161
4 Claims. (Cl. 73-17)



4. The combination with an air passage, of a hollow unit located therein adapted for the collection of moisture thereon from the air in said passage, an electric circuit, a grid including spaced circuit closing means and connected in heat exchange relation with said unit, said spaced circuit closing means being connected in the circuit and constructed for closing the circuit upon the collection of moisture on said grid for varying the current flow through said circuit according to the condition of moisture collected on the grid, refrigerating means connected with said unit and constructed for supplying cooling air into the unit to vary the collection of moisture on said grid in response to variations in temperature in said unit, and means operative in response to the current flow in the circuit for controlling the action of said refrigerating means.

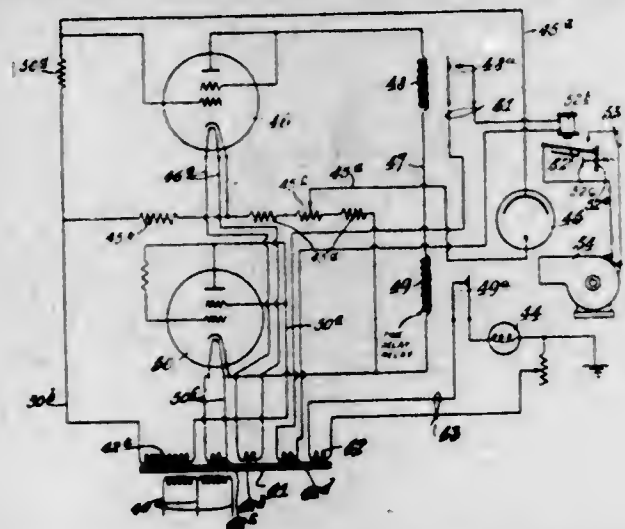
2,435,896

LIGHT RESPONSIVE BURNER CONTROL SYSTEM

Oran T. McIlvaine, St. Charles, Ill.
Original application August 5, 1940, Serial No. 351,459. Divided and this application July 11, 1944, Serial No. 544,396
4 Claims. (Cl. 158-28)

1. A photo-electric control for starting and operating a burner, comprising a light sensitive cell, a starting pilot lamp in position to direct light onto said cell, a relay for controlling the operation of the burner and connected with the cell to operate in response to the presence of light thereon, a second relay connected in series with the first-mentioned relay and constructed for operation by a greater amount of light on

said cell than is required for the first-mentioned relay, said cell being arranged to receive light from the burner flame to cause actuation of the

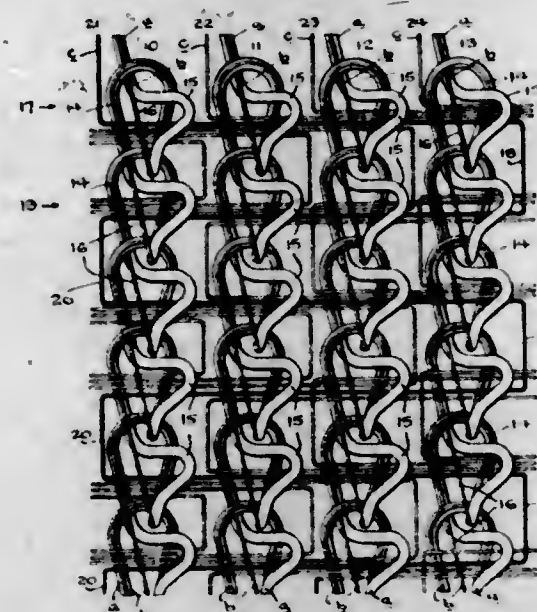


second-mentioned relay, and means controlled by the second-mentioned relay to discontinue the lighting effect of the pilot lamp when said second relay is energized.

2,435,897

WARP-KNITTED FABRIC

Milton Newman, Philadelphia, Pa.

Application December 20, 1946, Serial No. 717,453
7 Claims. (Cl. 66-193)

1. A warp knitted fabric comprising a series of parallel lines of chain stitches each warp knit of a separate yarn, a plurality of weft yarns incorporated unknot in said chain stitches, each of said weft yarns extending back and forth across a plurality of said warp knit lines of stitches, the successive weft-wise extending portions of each weft yarn being respectively incorporated in successive weft-wise courses of said chain stitches, a freely extending pile-forming loop drawn outwardly from each chain stitch, and a series of warp knit chain stitches arranged in plated relation with respect to and interknitted with first-mentioned chain stitches to secure said weft yarns within the weft-wise courses of said loop-forming chain stitches.

2,435,898

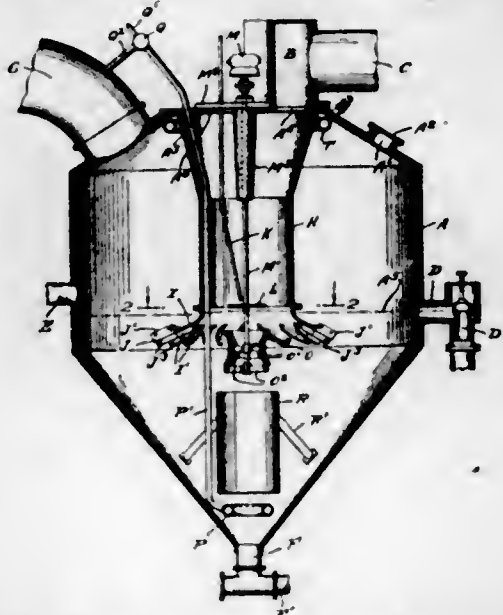
PRODUCTION OF AMMONIUM SULPHATE

Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware

Application January 29, 1943, Serial No. 473,951
2 Claims. (Cl. 23-119)

1. In the method of producing sulphate of ammonia from distillation gases passed into scrubbing contact with bath liquor through a cracker pipe having a flared downwardly opening discharge mouth with its rim immersed in

the bath liquor, the improvement which consists in maintaining an upflow of the bath liquor in the space within and immediately subjacent said mouth to thereby maintain a gas contacting

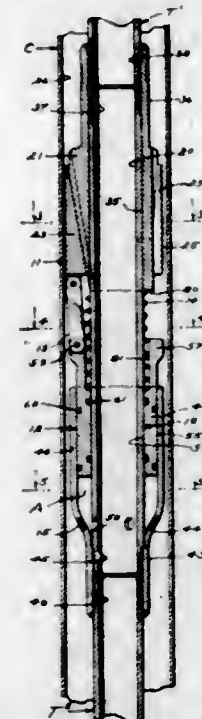


bath liquor surface within said space which is higher adjacent the central portion of said space than adjacent said rim and to create a flow toward said rim of the liquor within said space.

2,435,899

TUBING ANCHOR

John S. Page, Long Beach, Calif.

Application February 11, 1946, Serial No. 646,771
13 Claims. (Cl. 103-219)

1. A tubing anchor for anchoring a string of well tubing in a well including, a tubular body conducting fluid handled by the tubing, gripping means carried by the body having an abutment with faces extending downwardly and inwardly and carrying slips, and operating means for the slips including a single cylinder surrounding the body, a piston between and slidably engaging both the cylinder and body, and links pivotally connected to the piston and to the slips, there being a port in the body admitting fluid from within the body to the cylinder to operate the piston.

2,435,900

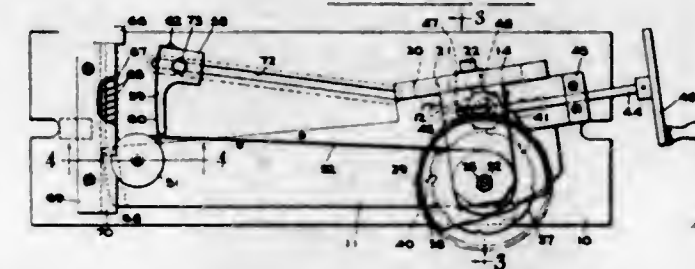
CAM CUTTER

Stephen J. Perez, Rochester, N. Y., assignor of one-half to Joseph M. Murray, Rochester, N. Y.

Application June 2, 1945, Serial No. 597,355
5 Claims. (Cl. 90-13.9)

1. Apparatus for generating the profile of a cam adapted to act upon an arcuately movable

follower and move it at a relatively constant angular rate, said apparatus comprising a rotating forming tool having a relatively fixed axis, a work holding element supported for pivotal movement about an axis parallel to the tool axis and spaced therefrom a distance equal to the desired radius of movement of the cam follower, a work holding spindle journaled in said work



holding element with its axis parallel to the pivot axis of the work holding element and spaced therefrom the same distance as the desired spacing of the cam axis and the axis of arcuate movement of the follower, and drive means between said work holding element and said spindle whereby their relative angular rates of rotation are constant during generation of the cam profile.

2,435,901

STARCH DISPERSION AND A METHOD OF MAKING IT

Allen F. Peters, Philadelphia, Pa.

No Drawing. Application August 25, 1945, Serial No. 612,723

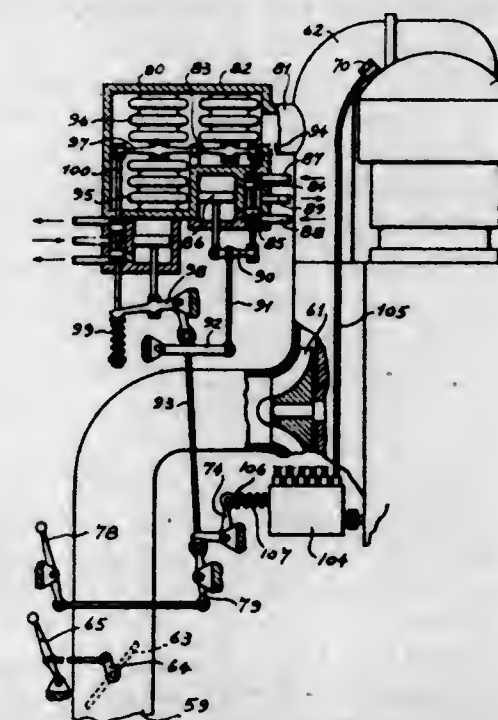
13 Claims. (Cl. 106-211)

5. A homogeneous prepared starch for use on textiles, comprising a semi-liquid dispersion of starch, sodium benzoate, the reaction product of stearic acid and an excess of triethanolamine formed in situ and zinc stearate.

2,435,902

FUEL METERING DEVICE

Ferdinando Carlo Reggio, Norwalk, Conn.

Application June 28, 1947, Serial No. 757,829
71 Claims. (Cl. 123-119)

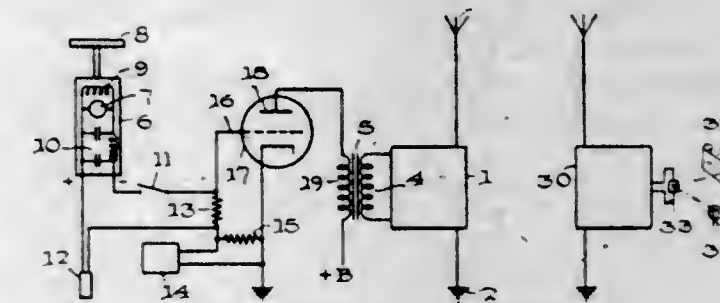
1. In an engine fuel control mechanism, in combination with means responsive to the pressure and temperature of the engine induction air and means for varying the engine fuel supply, an operative connection between said first and second mentioned means for adjusting the engine fuel supply in proportion to the engine air supply, a lever of adjustable effective length in said operative connection for controlling the engine fuel-air mixture ratio, slidable and rotatable cam means having a warped surface for adjusting the

effective length of said lever, and means responsive to engine operative conditions for axially and angularly adjusting said cam means whereby the engine fuel-air ratio varies as a predetermined function of said engine operative conditions, said function being dependent on the configuration of said warped surface.

2,435,903

METHOD AND APPARATUS FOR EXHIBITING SEISMOGRAPH SIGNALS

Otto F. Ritzmann, Takoma Park, Md., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

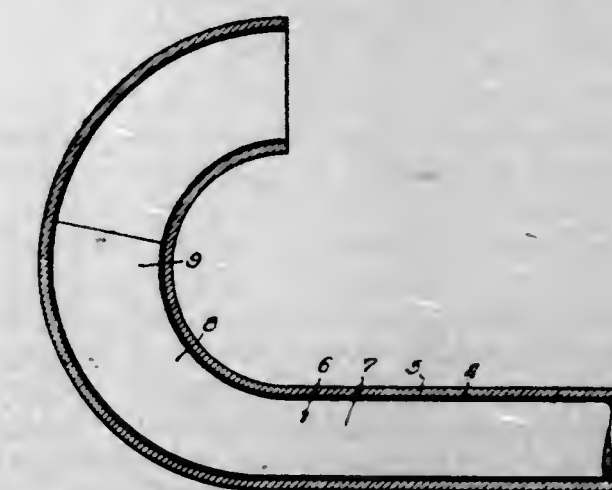
Application December 9, 1944, Serial No. 567,465
4 Claims. (Cl. 177-352)

1. An apparatus for transmitting over a single channel a relatively continuous signal and a superimposed slowly increasing and sharply decreasing intelligible impulse signal, comprising a transmission channel, signal input means, means for introducing therein a relatively continuous signal, means for introducing therein a slowly increasing and sharply decreasing intelligible impulse signal, means by which the increase of the intelligible impulse signal reduces the sensitivity of the signal input means, said means permitting immediate return to normal sensitivity upon completion of said intelligible impulse signal.

2,435,904

METHOD OF PRODUCING LINED PIPE BENDS

Stanley Robaus, Cicero, Ill., assignor to Taylor Forge & Pipe Works, Cicero, Ill., a corporation of Illinois

Application June 13, 1945, Serial No. 599,187
2 Claims. (Cl. 29-157)

1. The method of producing lined pipe bends, which comprises inserting into a metal pipe a liner of dissimilar metal, simultaneously and progressively expanding said pipe and liner radially by internal pressure whereby said liner is forced into intimate contact with the inner surface of the expanded pipe, and forming said pipe and liner as a unit about a center corresponding to the center of curvature of the desired bend simultaneously with said radial expansion thereof.

2,435,905

SOLUBLE BASIC DYES

Arthur E. Schaefer, Loudonville, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 3, 1946, Serial No. 638,907

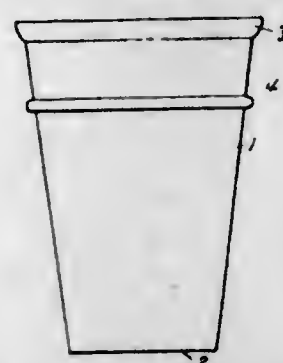
8 Claims. (Cl. 260—388)

1. Glycerol phosphoric acid salts of basic dyes selected from the group consisting of basic diaryl methane, triaryl methane, azine, oxazine, thiazine, azo-azine, azo and acridine dyes, said salts being easily soluble in water and ethanol.

2,435,906

PASTRY CUP

Arthur Shapiro, Chicago, Ill., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Application September 9, 1946, Serial No. 695,651
3 Claims. (Cl. 99—89)

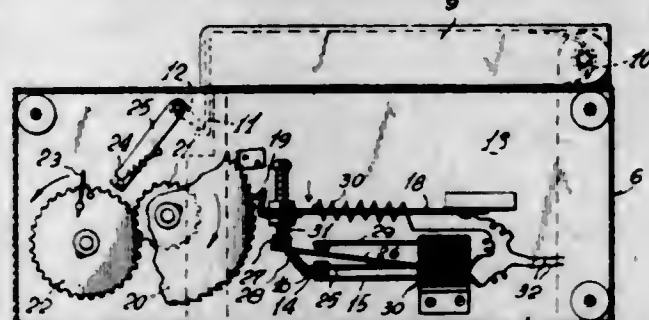


1. A pastry cup having an annular side wall and a flat bottom and crossed wings integral with the bottom and side wall of the cup, said wings serving to prevent buckling and cracking of the bottom, and also serving as a nesting stop.

2,435,907

SERVICE INDICATOR

Henry Schirokauer, New York, N. Y., now by change of name Henry Allan Sherwood
Application October 17, 1945, Serial No. 622,741
6 Claims. (Cl. 177—311)



1. In an automobile service indicator, a bimetallic thermal strip heated by an electric circuit and mounted behind the rear sight mirror, a switch in the circuit opened by movement of the strip when it becomes heated and closed when it becomes cool, a pawl carried by the strip and moving when the strip becomes heated, a toothed wheel engaged by and moved by the pawl, a pocket containing service indicating cards behind the mirror, a cover for the pocket, and means actuated by the wheel for opening the cover.

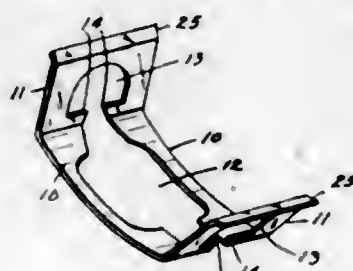
2,435,908

FASTENING DEVICE

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 5, 1944, Serial No. 517,027
1 Claim. (Cl. 24—73)

A fastener for clamping two members together comprising a single strip of resilient sheet mate-

rial having an intermediate portion and two end portions projecting angularly therefrom in the same general direction, there being a continuous opening longitudinally through the intermediate portion and into and part-way along the end portions, each end portion on opposite sides of the opening therein being formed to provide a pair



of teeth, the edges of which extend gradually toward each other from the intermediate portion and then spread abruptly to a larger part of the opening in the end portion whereby the fastener may be readily mounted on a pair of projecting parts on one of the members to be clamped and grip the same by a ratchet action as the fastener is shoved into final position.

2,435,909

ADHESIVE COMPOSITION COMPRISING AN AQUEOUS DISPERSION OF POLYVINYL ACETATE AND PINEWOOD EXTRACT

Norman G. Tompkins, Arlington, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

No Drawing. Application May 19, 1947, Serial No. 749,081. In Canada June 27, 1945
5 Claims. (Cl. 260—27)

1. A liquid adhesive composition comprising an aqueous dispersion of a polyvinyl acetate and a resin, said resin being selected from the group consisting of gasoline-insoluble resins obtained by extracting pine wood with a coal tar hydrocarbon solvent, precipitating the gasoline-insoluble fraction by addition of a saturated paraffinic hydrocarbon and separating the precipitate by filtration, and partially gasoline-soluble, dark-colored, hard resins obtained as a by-product when F. F. wood rosin is dissolved in a low boiling petroleum hydrocarbon and refined to pale grades of wood rosin by selective extraction or as distillation residue in the distillation of F. F. wood rosin, the proportion of resin being from 88% to 700% that of the polyvinyl acetate.

2,435,910

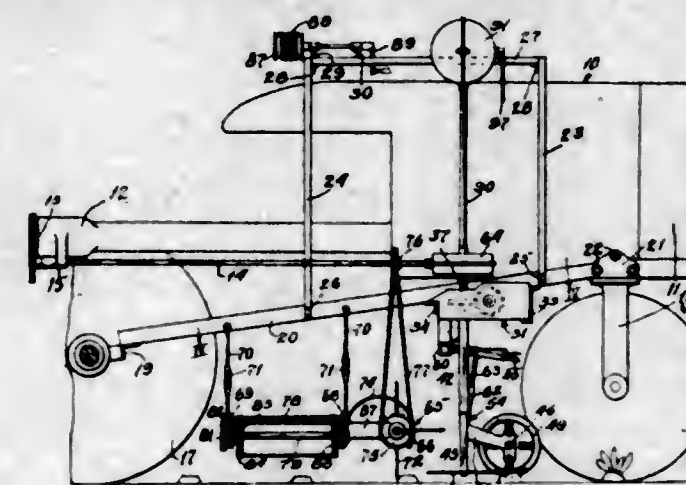
APPARATUS FOR PRODUCE TOPPING AND TOP HARVESTING

Frederick A. Trinkle and Jack Schwindt, Fort Morgan, Colo.; said Schwindt assignor to said Trinkle

Application May 31, 1943, Serial No. 489,146
17 Claims. (Cl. 55—107)

5. In a beet topping machine, a topping unit comprising a vertically movable frame, a pair of drive shafts rotatable in said frame but held against axial movement therein, horizontal cutter disks secured to the ends of said shafts in a common horizontal plane for cutting engagement with beets for topping thereof, a guide roller on said frame in advance of said cutter disks for engagement with the tops of the beets for guidance of the cutter disks into engagement with the beets, said roller comprising a one-piece flexible strip with the ends slidably overlapping and

being adjustable for circumferential expansion or contraction whereby its engagement with the tops



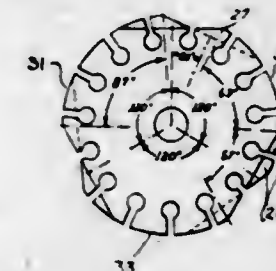
of the beets will determine the plane of cutting of the beets by said cutter disks.

2,435,911

SMALL FRACTIONAL HORSEPOWER SHADED POLE SYNCHRONOUS MOTOR

Fritz R. van der Woude, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio

Application October 29, 1945, Serial No. 625,243
9 Claims. (Cl. 172—278)



1. A phonograph motor operable from an energizing source of single phase alternating current, comprising a stator core having a yoke, a tubular type of magnet winding telescoped over said yoke, a pair of core limbs each extending in the same general direction from the yoke, a pair of pole projections extending inwardly from each pole limb, each said projection provided with a substantially arcuate pole face and said faces together defining a rotor receiving recess of a combined arcuate extent of 252°, shading bands encircling alternate of said projections, the intervening projections being substantially unshaded, and a rotor of the short-circuited squirrel cage type comprising a stack of laminations of magnetizable non-remnant material so disposed in said recess that substantially about 70% of the rotor circumference is disposed inside of the outermost bounds of said stator recess, the rotor axis being substantially co-axial with the arcuate shaded pole faces, and the peripheral edges of the laminations of said rotor stack being formed and disposed as to provide three equally spaced salient pole projections provided with concentric pole faces, and a core "shallow" portion interposed between each adjacent pair of said salient projections, the total circumferential extent of the rotor salient pole faces being at least 87°.

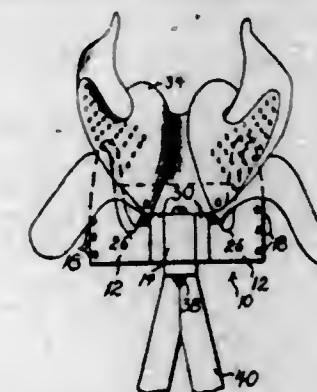
2,435,912

SADDLE CLEANING CRADLE

Marion I. Voorhes, Lexington, Ky.
Application May 16, 1946, Serial No. 670,120
2 Claims. (Cl. 69—19)

1. A cradle for supporting a saddle during a cleaning operation which comprises, front and rear end facing blocks, said front end facing

block being of lesser dimension than said rear end facing block, and a plurality of side portions extending between said front and rear end facing

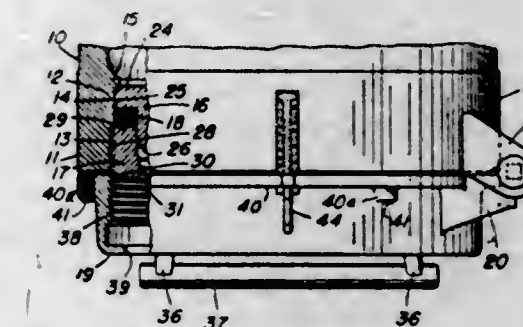


blocks, said side portions being provided with straight bottom edges and convexoconcave upper edges.

2,435,913

SCREW-THREADED PIVOTED CLOSURE

Marion P. Wall, Lookout Mountain, Tenn., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application November 8, 1946, Serial No. 708,607
13 Claims. (Cl. 220—30.5)



10. In a closure for an access opening in a high pressure vessel, the combination of helical threads on the opening interior extending axially into the opening; a cylindrical surface on said interior axially beyond the inner ends of said threads and having a diameter no greater than that which the thread tops define; a constricting shoulder at the inner end of said surface defining a still smaller diameter; a removable cylindrical head to close said opening having an inner flange portion fitting into said surface and engaging said constricting shoulder when in closed position and also having an outer smaller portion forming a circumferential gasket recess adjacent said cylindrical surface; a removable closure ring having an inner portion formed axially over said head's smaller portion into said gasket recess and having an outer portion provided with helical threads engageable with said threads on said opening's interior; a gasket in said recess compressible between said ring and said head's inner flange portion for sealing contact with the opening's cylindrical surface; means fastened to said ring for imparting thereto rotation which screws the ring into and out of said opening; means fastened to said head and to said last means to maintain said head and said ring in axially spaced relation with said gasket therebetween as aforesaid; and a cap having an open top through which said ring rotating means extends and a wall hinged to the vessel adjacent the access opening so as to swing the cap into axial alignment therewith when in closed position, the outside of said wall having helical threads of the same diameter and size as the threads on said vessel whereby the ring, head and gasket may by rotation of the threaded ring be withdrawn from said opening into said cap and then swung away from said opening with the cap.

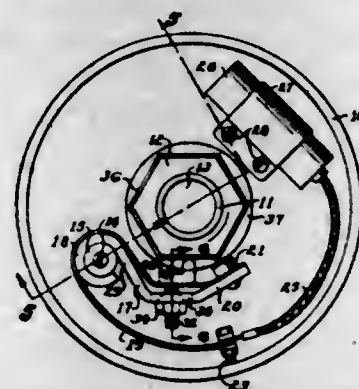
2,435,914

ADJUSTABLE LEVER-EFFECTING SELF-CLEANING IGNITION POINT

Adolph K. Wihanto, Malden, Mass.

Application December 11, 1946, Serial No. 715,582

2 Claims. (Cl. 200-30)



1. A device of the character described, in combination with the distributor of an internal combustion engine of a swinging lever, a stud for mounting said lever, an insulating sleeve on said stud to which said lever is connected, a notched end on said lever, a groove in said sleeve to receive said notched end to hold the lever on said sleeve, a spring secured to said lever for the tensioning thereof, a timing stud secured to said spring, and said lever, a nut on said stud for adjusting the timing and tension of said spring, a contact point receiving the end of said spring and said lever in fixed relation to each other, a slot at the other end of said spring for connecting said spring to the terminal post of said distributor, and a contact sleeve on the cam of said distributor forcing the movable contact adapted for contact with said first mentioned contact.

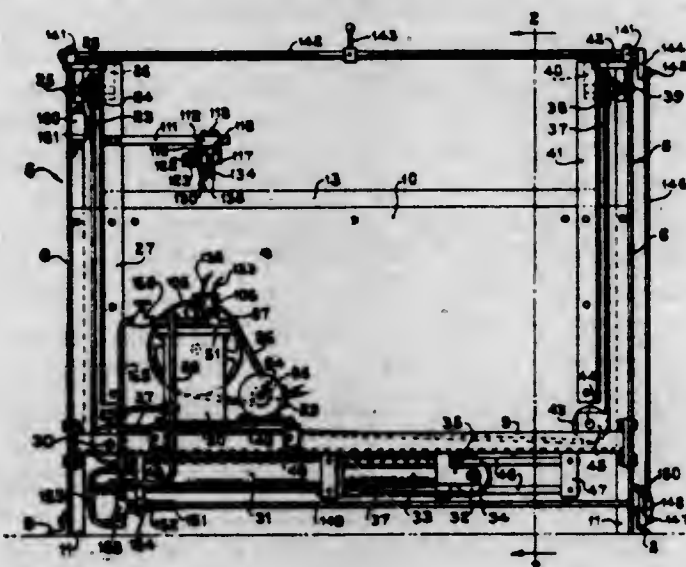
2,435,915

SHEET HANDLING APPARATUS

Leo C. Williams, Pearl River, N. Y., assignor to Dexter Folder Company, Pearl River, N. Y., a corporation of New York

Application January 6, 1942, Serial No. 425,720

17 Claims. (Cl. 271-62)



1. The combination with hydraulically actuated means for intermittently imparting vertical movement to a pile of sheets, means engaged with the pile having a first position for operation of said hydraulically actuated means and a second position for discontinuing said operation, and means controlled by the pile engaging means and movable in one direction to render the hydraulically actuated means effective and in the opposite direction to render said hydraulically actuated means ineffective; of means associated with said last named means for delaying the movement thereof in said opposite direction after the pile engaging means has moved to its second position.

10. In hydraulic mechanism for intermittently imparting upward movement to a pile of sheets including a cylinder, of means for supplying and controlling the delivery of fluid into said cylinder and comprising: a receptacle adapted to contain a supply of fluid; a cover for said receptacle; a housing carried by said cover and wholly submerged in the fluid in the receptacle; a plunger pump in the housing for supplying fluid from said fluid supply through said housing and into the cylinder; driven means on the cover for continuously reciprocating said plunger pump; a valve in the housing and movable in opposite directions to control the delivery of fluid into the cylinder by the pump; and pile controlled means on the cover controlling the operation of said valve.

2,435,916

DIAMOND TOOL

Claude D. Windsor, Newark, N. J.

Application November 1, 1946, Serial No. 707,233

7 Claims. (Cl. 125-39)



1. A diamond tool comprising a chambered tool head, a succession of axially spaced matrix masses fixed within said chambered tool head, at least one diamond imbedded in each matrix mass so that a working point thereof projects exteriorly from the outer face of the latter, and non-adherent perforate guard discs in contiguous relation to interior matrix masses, the perforations of said guard discs being engaged over and enclosing the working points of interior diamonds, said guard discs being separable from underlying adjacent matrix masses, whereby to free the working points of the diamonds preparatory to use thereof when the tool head is cut away to expose the same.

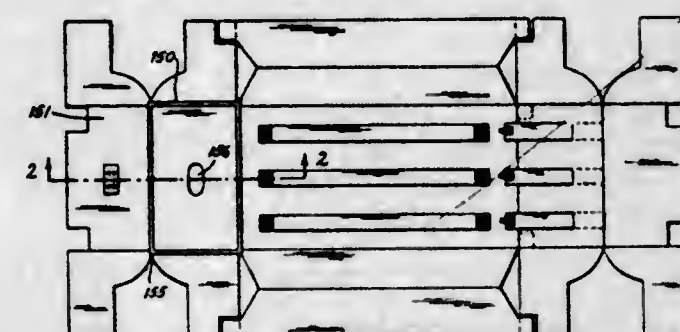
2,435,917

FIBRE REINFORCED COLLAPSIBLE CONTAINER

Philip Zalkind, New York, N. Y.

Original application February 26, 1943, Serial No. 477,203. Divided and this application March 24, 1944, Serial No. 527,878

3 Claims. (Cl. 229-34)



1. A drawer front comprising a panel having an exterior face; a bottom wall connected to said panel; and side wall members connected thereto; at least one tongue cut out of said panel adjacent said bottom wall and each of said side wall members; said tongues being connected to said side wall members and said bottom wall and

being folded through 180° into the plane of said panel; a facing sheet secured to said panel and said tongues, said facing sheet being disposed on said exterior face of said panel whereby to form the front of said drawer and said tongues being secured to said facing sheet on the side thereof contiguous with said exterior face, wherein said facing sheet is substantially similar in shape to said panel and of sufficient dimension to provide a marginal boundary when said facing sheet is secured to said panel, said tongues being secured to said marginal boundary.

2,435,918

HINGE FOR EYEPIECE AND TEMPLE FOR SPECTACLES

Litman Applebaum, Brooklyn, N. Y.

Application July 9, 1946, Serial No. 682,274

2 Claims. (Cl. 88-53)



1. A spectacle frame hinge for a split plastic eyeglass frame having projections at the split portion comprising an extending frame hinge portion arcuately shaped at its end and a straight extending temple hinge portion, square openings at the ends of said hinge portions for receiving said eyeglass projections and the end of a temple piece within said openings, means for locking said eyepiece and temple piece within said openings a stop at the end of said frame hinge portion to prevent said temple hinge portion from opening more than 90°, a notch at the inside of said temple hinge portion to permit said temple hinge portion to swing parallel and close to said frame hinge portion.

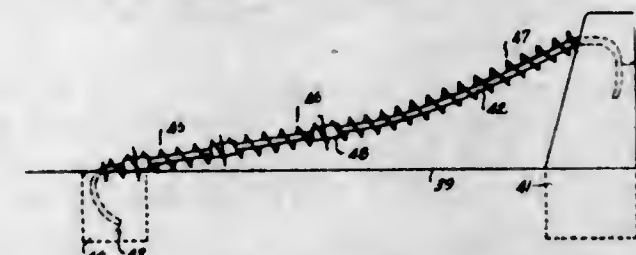
2,435,919

VEHICLE ARRESTOR

Edward A. Bansbach, Madison, Wis.

Original application September 10, 1941, Serial No. 410,302. Divided and this application July 26, 1944, Serial No. 547,137

15 Claims. (Cl. 188-32)



1. A vehicle arrestor comprising an upwardly inclined track located above the ground, and a plurality of graduated spring sections extending in succession along said track arranged to be slidably engaged by an approaching vehicle for arresting the vehicle.

2,435,920

BALANCED GRANULAR MICROPHONE

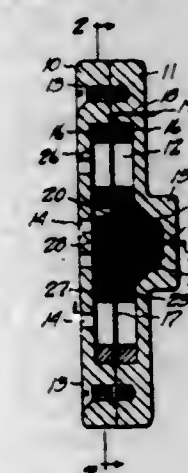
Louis R. Burroughs, South Bend, Ind., assignor to Electro-Voice Manufacturing Co., Inc., South Bend, Ind., a corporation of Indiana

Application September 20, 1943, Serial No. 503,093

8 Claims. (Cl. 179-122)

6. In a microphone, a hollow housing, a diaphragm in said housing, said diaphragm having a central offset a single contact plate in said housing, and a quantity of granular material

bearing against limited opposed portions of each of the two faces of said diaphragm to balance



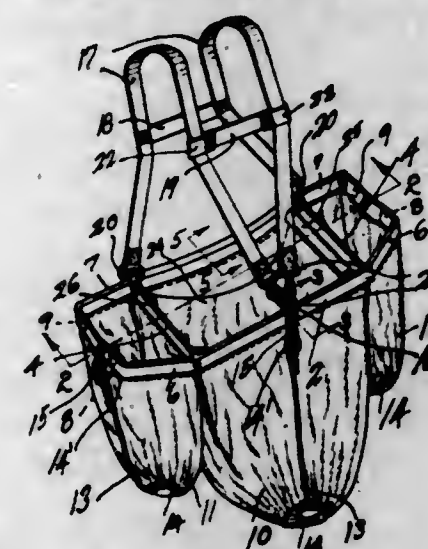
2,435,921

FRUIT PICKING BAG

Paul Cronrath, Spokane, Wash.

Application December 10, 1945, Serial No. 633,971

2 Claims. (Cl. 150-2)



1. A fruit picker's receptacle comprising a frame having front and rear bars and cross bars, the front and rear bars having end portions projecting from the cross bars and bent inwardly toward each other at their ends, a main bag carried by said frame between the cross bars, additional bags carried by said frame between the cross bars and ends of the front and rear bars and suspended therefrom at opposite sides of the main bag, and means for supporting said frame in front of a person at approximately the waist line.

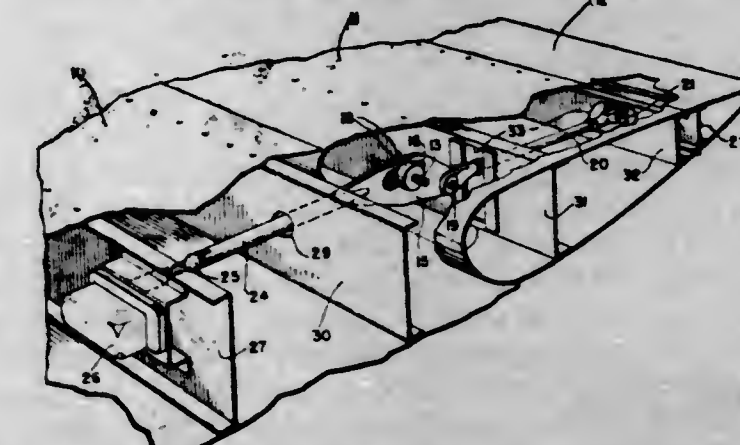
2,435,922

TAB CONTROL MECHANISM

Harold J. Davis, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application March 22, 1944, Serial No. 527,585

6 Claims. (Cl. 244-82)



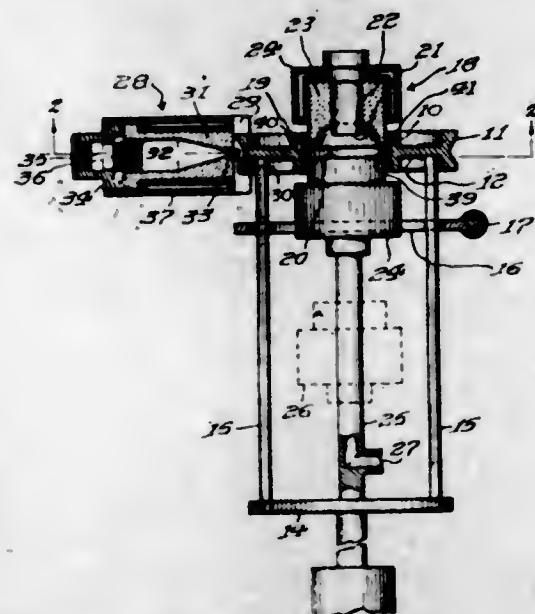
2. A control mechanism for aircraft having a supporting member, a control surface which is hinged to said supporting member for a minimum movement in one direction with re-

spect to a neutral position and a maximum movement in the opposite direction and an auxiliary airfoil hinged to said control surface, said mechanism including a shaft mounted in said control surface, the axis of said shaft being substantially coincident with the hinge axis of said control surface, a slide formed with an arcuate guide slot in which said shaft is accommodated for cooperation in guiding said slide, means connecting said slide and said auxiliary airfoil, whereby movement of said control surface about its hinge axis causes predetermined relative movement of said auxiliary airfoil for balance purposes, and means for adjusting said slide on said shaft transversely of the axis thereof and in the direction of said guide slot to adjust said auxiliary airfoil for trim, said first mentioned means being connected to said slide at a point which is offset with respect to the hinge axis of said control surface in the direction of said auxiliary airfoil and in the direction of minimum movement of said control surface.

2,435,923

HEAT-TREATING APPARATUS

Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application December 14, 1944, Serial No. 568,149
4 Claims. (Cl. 263-2)



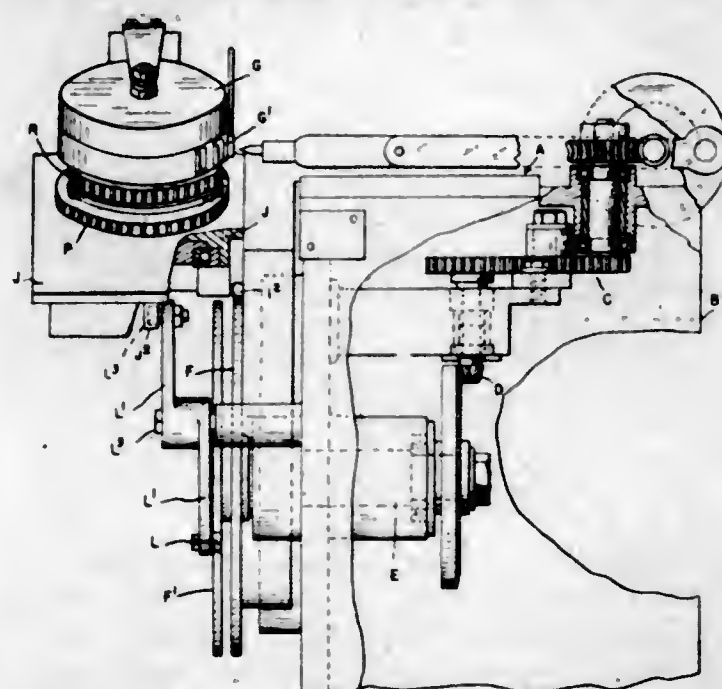
1. Apparatus for heat treating a surface of a cylindrical-shaped metallic body, such as the hub or peripheral surface thereof, for example, comprising rotatable means for supporting the body, structure including a wall having a face or lining adapted to be positioned close to face with and overlying the surface at close range thereto, said lining being at least as wide as the surface and curved so that, when it is positioned closely adjacent to the surface, a narrow gap is formed therebetween, the portion of said lining adapted to overlie the surface being formed entirely of high temperature refractory material, said wall having an elongated slot intermediate its edges in a plane transverse to the axis of the cylindrical-shaped body when the latter is supported in a heating position by said rotatable means, and means communicating with said slot for producing heated products of combustion from a combustible gas mixture and for flowing such products of combustion through said slot only when the chemical reaction of combustion of the mixture is substantially completed and while the products of combustion are practically at the temperature at which combustion is accomplished, said lining being heated to a highly incandescent condition by the heated products of combustion passing into the gap through the slot to effect radiant heating of the surface when the body is being

rotated which is augmented by heat liberated from the products of combustion passing through the gap in intimate contact with the surface.

2,435,924

BRUSH MAKING MACHINE

Conrad Jobst, Toledo, Ohio, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio, a corporation of Ohio
Application August 9, 1943, Serial No. 497,977
10 Claims. (Cl. 300-3)



1. In a brush machine, the combination with a tuft-setting mechanism of a rotary work carrier movable to present bores in a brush back successively in registration with said tuft-setting mechanism, and means normally in fixed relation to said work carrier for simultaneously boring a plurality of tuft-receiving holes in another brush back.

2,435,925

REVERSE DETERGENT

Willard H. Kirkpatrick and Doyne L. Wilson, Sugar Land, Tex., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application November 22, 1944, Serial No. 564,713
2 Claims. (Cl. 252-161)

1. The method of conditioning surfaces for use under conditions such that traces of water constitute a contaminant, which comprises rinsing the surfaces with a non-aqueous rinse consisting of a non-aqueous hydrophobic organic solvent in which is dissolved an oil soluble amine salt of a coumarone-indene resin modified alkylated naphthalene sulfonate.

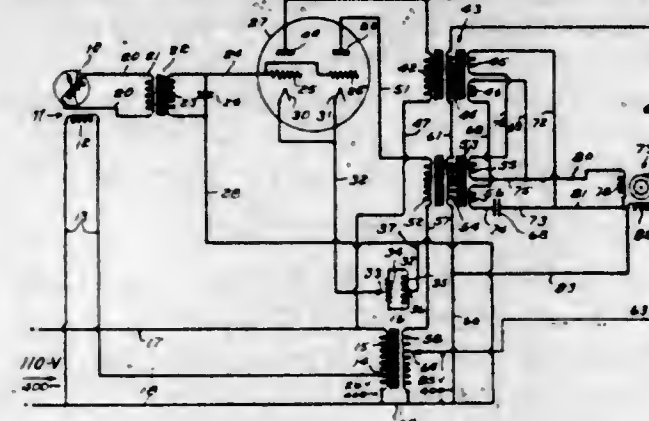
2,435,926

CONTROL CIRCUIT FOR INDUCTION MOTORS

Walter J. Krupick, Franklin, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y., a corporation of New York
Application August 8, 1946, Serial No. 689,115
4 Claims. (Cl. 318-207)

1. A control circuit for producing an alternating control voltage of controllable phase, comprising a pair of saturable core transformers each having a saturating winding, a primary winding and a pair of secondary windings, connections connecting the individual secondary windings of one pair respectively in series opposition with the individual secondary windings of the second pair to form two series connected pairs of windings, connections connecting the two last pairs in series, a phasing condenser connected

across the four series connected windings, and an output circuit connected across one of said series connected pairs of windings.

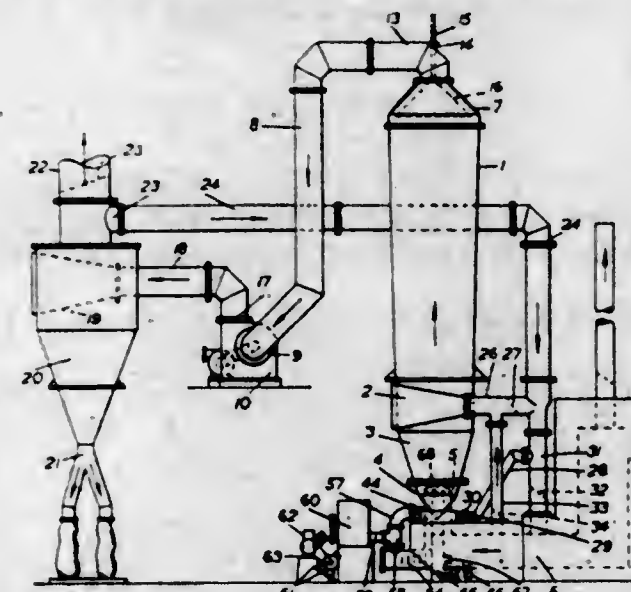


4. A control circuit for a reversible induction motor having a fixed phase winding and a control winding, comprising a pair of saturable core transformers each having a saturating winding, a primary winding and a pair of secondary windings, connections connecting the individual secondary windings of one pair respectively in series opposition with the individual secondary windings of the second pair to form two series connected pairs of windings, connections connecting the two last pairs in series, a phasing condenser connected across the four series connected windings, said control winding being connected across one of said series connected pairs of windings.

2,435,927

DRYING AND DISINTEGRATING OF GAS-BORNE MATERIAL

Albert Harry Manning and Oswald Heller, London, England; said Heller assignor to said Manning
Application September 13, 1944, Serial No. 553,902
In Great Britain August 7, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 7, 1963
14 Claims. (Cl. 241-17)



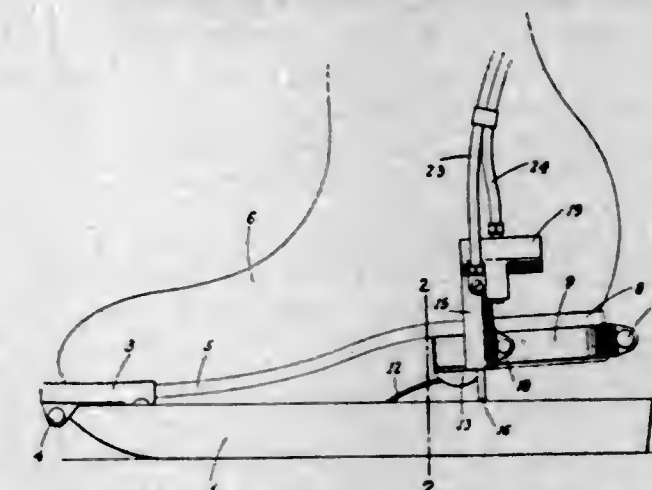
2. The method of drying gas-borne material consisting in creating an externally confined, rising, helical flow of warm drying gas, carrying a stream of wet material in an enveloping flow of hot drying gas upwards and axially to a zone within said helical flow, at which, having lost its initial momentum, the axial flow of gas disperses the material radially into said helical flow where, in a gravity separation of the lighter and heavier elements of the material is effected, discharging said lighter elements upwardly with the mixed gases, conveying the tailings which fall out of the bottom of the helical flow in a recirculating warm gas stream, introducing fresh wet material into the recirculating gas, acting physically upon the fresh wet material and the tailings in the recirculating gas to disintegrate said material and

cause said tailings to present fresh moist surfaces to the gases, and propelling the recirculating gas with the material and tailings upwards, into the enveloping, carrier flow of hot drying gas.

2,435,928

FOOT ACTUATED PRESSURE GENERATOR

Fred A. Matulich, Drytown, Calif.
Application October 13, 1944, Serial No. 558,592
6 Claims. (Cl. 103-205)

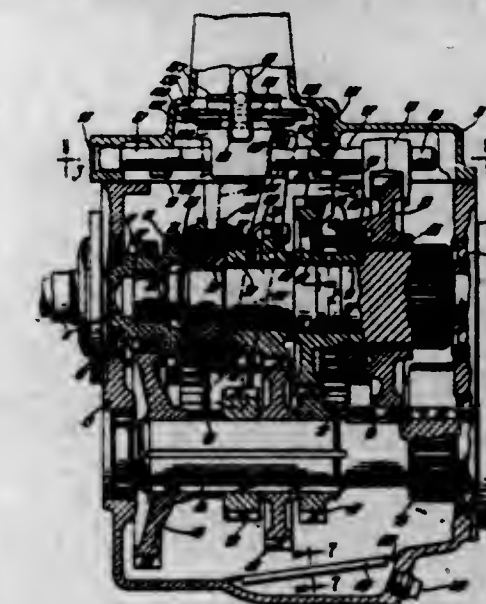


1. A foot-actuated fluid pressure generator comprising a sub-shoe adapted to be disposed under the user's regulation shoe, means adapted to connect the sub-shoe and regulation shoe for relative separating and approaching movement, a reciprocating pump unit, means connecting the pump unit at one end to the sub-shoe, other means adapted to connect the pump unit at the other end to said regulation shoe, and fluid conduit means leading upwardly from the pump unit; said first named means comprising a clip pivoted on the sub-shoe at the front for vertical hinging movement, said clip being adapted to removably attach to the regulation shoe at the front end, the pump unit being adapted to connect between the sub-shoe and regulation shoe adjacent the rear of the latter.

2,435,929

SYNCHROMESH TRANSMISSION

Robert S. Plexico, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 22, 1945, Serial No. 573,821
3 Claims. (Cl. 74-339)



1. In a change speed transmission, a driving shaft, a parallel driven shaft, a first gear rigid with the driving shaft, a second gear rotatably supported on the driven shaft and in constant mesh with said first gear, a third gear slidably but non-rotatably mounted on the driven shaft, clutch teeth on said second and third gears, a pair of synchromesh elements both carried by said slidable gear, one only being rigid with the gear, the other being rotatable and having axial

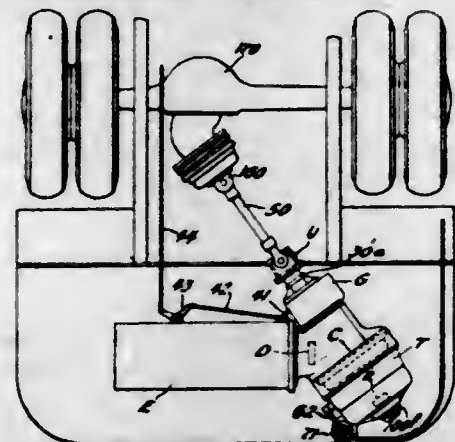
projections, said second gear having apertures with beveled margins adapted by the cooperation of said beveled margins with said movable synchronizing elements to effect synchronization, said projections thereafter movable through said apertures as said clutch teeth engage.

2,435,930

ANGLE DRIVE MECHANISM COUPLING POWER PLANT AND VEHICLE AXLE

Hans O. Schjolin, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 21, 1943, Serial No. 507,204
17 Claims. (Cl. 180-54)



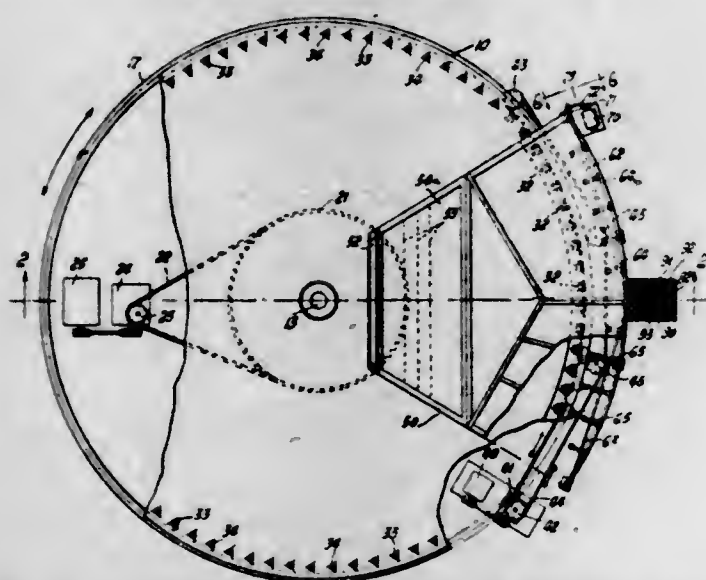
2. In a power transmission assembly for vehicles, a driving mechanism embodying in concentric sequence a fluid torque converter and a main shaft, a pair of alternately operable friction clutches one of which couples to the input of said converter and the other of which couples to said main shaft, a forward and reverse gear unit adapted to couple to said main shaft and connected to a load shaft; control means for said clutches and said unit, an engine, an engine shaft, and a power input driving arrangement consisting of input gearing and a hollow shaft driving a drum adapted to transmit the power of said engine shaft thru said input gearing to said clutches, said arrangement being located between the said clutches and the said forward and reverse gear unit.

2,435,931

GLAZING APPARATUS

Howard V. Schweitzer, Shaker Heights, Ohio

Application April 6, 1940, Serial No. 328,272
13 Claims. (Cl. 91-45)



1. In a machine for applying glaze to ceramic ware, a table, means for revolving said table, a plurality of spindles adapted to support ceramic ware carried by said table, pulleys on said spindles, a spray booth extending over a portion of said table and adapted to permit the revolution thereof of said table, spindles, and ware supported by said spindle, means adapted to engage said pulleys frictionally to rotate said spindles

revolved through said booth, spray guns mounted for continuous oscillation on said booth and directed toward ware carried by said spindles, means independent of the means for revolving said table for oscillating said spray guns with respect to said ware to cover all surfaces of said ware, means to recover excess glaze sprayed by said guns and accumulated in said booth, and means to supply said recovered glaze to said guns.

2,435,932

FISH LURE

Arthur H. Smith, Grandview, Wash.

Application January 26, 1945, Serial No. 574,653
1 Claim. (Cl. 43-42)



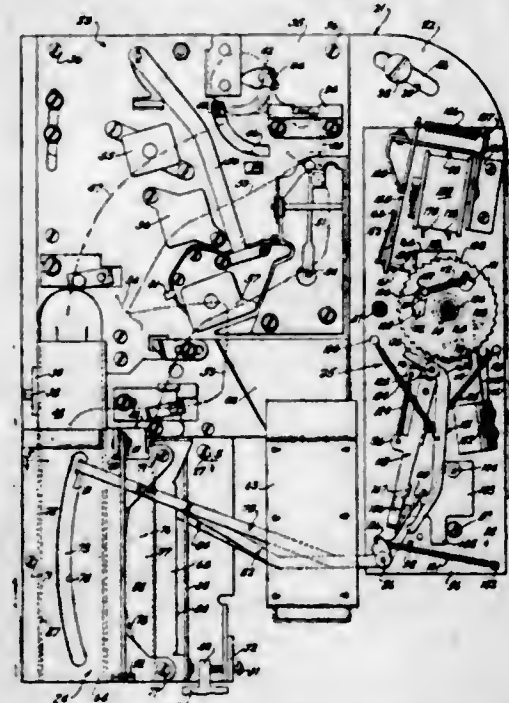
An artificial lure comprising a buoyant body having its upper surface curved longitudinally and transversely for its entire length, the bottom surface of the body being concave and curved longitudinally and transversely, a concavo-convex reflector plate mounted against the under face of said body and conforming to the shape and dimensions thereof, a substantially oval extension integral with the front end of said reflector plate and bent across its rear end and forming a spoon-shaped snout projecting forwardly at a downward incline and being concavo-convex with its concave surface presented upwardly, a longitudinally extending line-engaging tongue struck from the rear portion of said extension midway the width thereof and projecting forwardly from the front end of the body, and a hook having a screw eye at its front end screwed into the rear end of the body.

2,435,933

COIN CONTROL AND CREDIT REGISTER MECHANISM

John J. Toolan, Chicago, Ill., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware

Application February 20, 1942, Serial No. 431,623
5 Claims. (Cl. 194-9)



2. In a machine of the class described, coin deposit means including means for guiding coins of different sizes therethrough, a member mov-

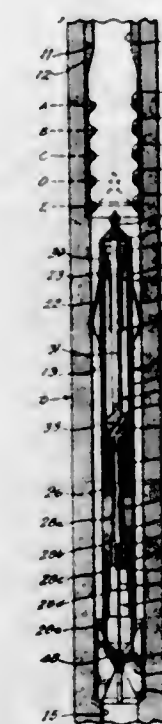
able by coins of the size having minimum value receivable by said coin deposit means through a number of units of movement corresponding to the number of coins of such size for accumulating the number of units of movement corresponding to the total number of coins of the size having minimum value deposited in said coin deposit means, actuating means for imparting variable degrees of movement to said member, means for normally restraining said member against movement by said actuating means, control means associated with the one of said guiding means through which operative coins of the size having minimum value are directed for actuation thereby for operating said restraining means to enable said actuating means to impart a single unit of movement to said member, a movably mounted second member, means interconnecting the first said member and the said second member for adapting the latter for movement with the first said member, and other control means associated with another of said guiding means and the second said member and actuated by deposited coins of different size and higher denomination for releasing said restraining means and controlling the movement of the second said member to enable said actuating means to impart single movements to the first said member in degrees corresponding to the sizes of the deposited coins.

2,435,934

SIGNALING CLINOGRAPH

Fred M. Varney and Justin A. Varney,
Los Angeles, Calif.

Application January 29, 1940, Serial No. 316,196
24 Claims. (Cl. 33-205)



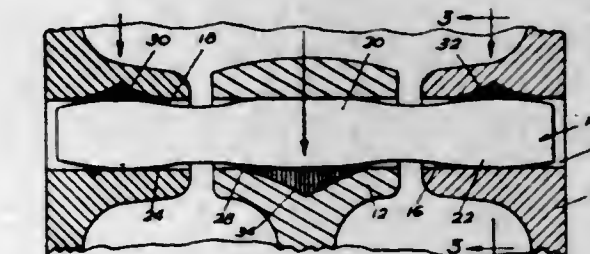
1. A signalling clinograph for service in a well having a channel for a stream of drilling fluid, said clinograph including: a mechanism for subterranean operation in said well, said mechanism being movable in opposite directions and being adapted to move in one of the opposite directions in response to said fluid stream; means cooperative with said mechanism to send a series of signals to the surface of the well when said mechanism moves; and a gravity-responsive deviation-detector to limit the movement of said mechanism in accordance with the degree of the deviation of the well from vertical thereby to vary the number of signals in said series to indicate such deviation at the surface of the well.

2,435,935

PIN

Carl Voorhies, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application June 25, 1945, Serial No. 601,413
6 Claims. (Cl. 309-19)



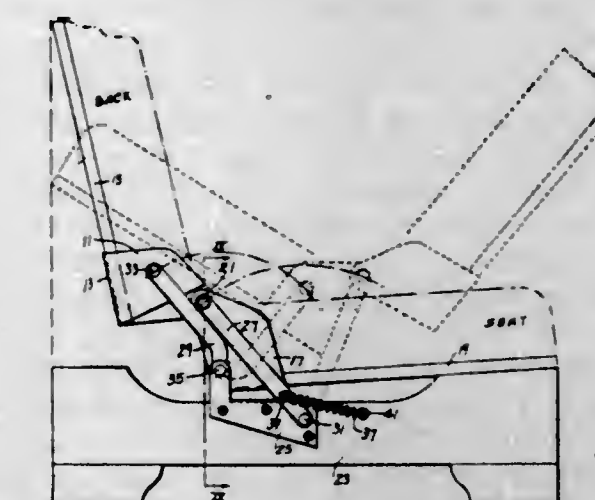
2. A pin for connecting two members together having a curved central section received by one of the members centrally of the bearing thereof in line bearing contact, and a pair of end curved sections received in continuously axially aligned bearings of the other member substantially centrally of the bearings in line bearing contact.

2,435,936

SOFA BED HINGE SUPPORT

William W. Wilson, Memphis, Tenn.

Application September 1, 1944, Serial No. 552,244
3 Claims. (Cl. 5-47)



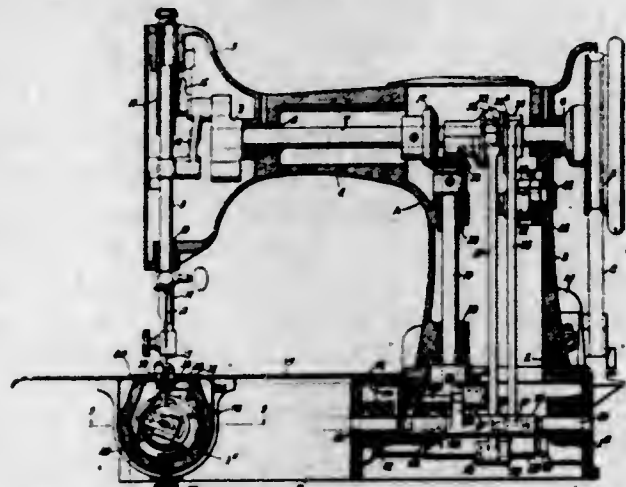
3. In a soft bed, including a base, depressed intermediate its ends, to allow downward inclination of said seat toward the back, a back and a seat; means at opposite ends of said sofa bed for supporting said back and seat for shift from sofa to bed positions and vice versa, each said support means including hinge members coupled by a hinge pin and secured to the bottom and rear edges respectively of said back and seat, a bracket carried by the depressed portion of said base and having at its rear end a post portion extending substantially to the level of the top of said base, a first arm pivotally coupled at its lower end to said bracket, forwardly of said post, and at its upper end to said hinge pin, a second arm pivotally coupled at its lower end to said bracket post above the rear edge of said seat in sofa position, and adjacent the bottom of said back in bed position, and at its upper end to said back hinge member rearwardly of and above said hinge pin in sofa position of said back, said second arm in such position of said back extending upwardly from its lower pivot to engagement with said first arm and being rearwardly bent to extend from such engagement to its upper pivot, effecting with said first arm a stop against rearward movement of, and a brace for said back, and being pivoted to swing forwardly about said lower pivot when said back is moved from sofa to bed position and being of a length to contact said first arm when said bed

position is achieved, said first arm being of length to support the hinge edge of said back level with the opposite edge thereof when so contacted by said second arm.

2,435,937

SEWING MACHINE

Andrew B. Clayton, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 23, 1946, Serial No. 635,725
12 Claims. (Cl. 112—258)

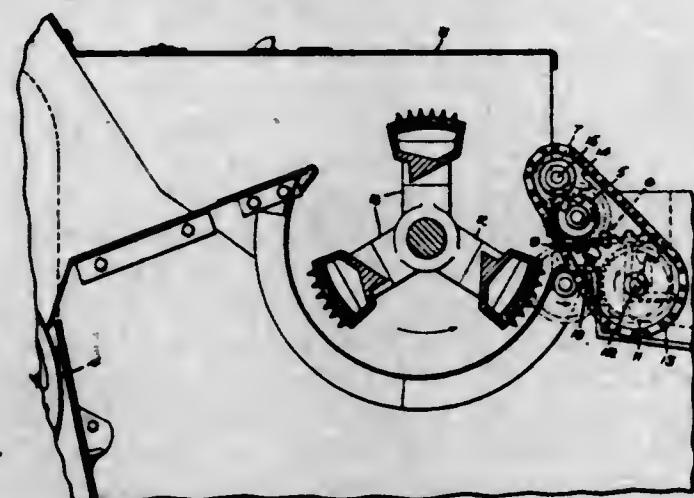


1. A sewing machine comprising a generally U-shaped base, one portion of which is of inverted box-like form and another portion of which is arranged substantially parallel to the first mentioned portion and is of cylindrical form, a bracket-arm secured upon said base, a rotary drive shaft journaled in said bracket-arm transversely of the axis of the cylindrical portion of the frame, a reciprocating needle-bar carried by said bracket-arm and actuated from said drive shaft, an eye-pointed needle carried by said needle-bar, a rotary loop-taker journaled in the cylindrical portion of said base transversely of said drive shaft and cooperating with said needle in the formation of stitches, a four-motioned work-feeding mechanism mounted in the cylindrical portion of said base, and means actuated from said rotary drive shaft and extending through said portions of said base for rotating said loop-taker and for operating said four-motioned work-feeding mechanism.

2,435,938

COTTON PICKER AND SIMILAR MACHINE

Robert S. Curley, Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application June 26, 1945, Serial No. 601,632
4 Claims. (Cl. 19—86)



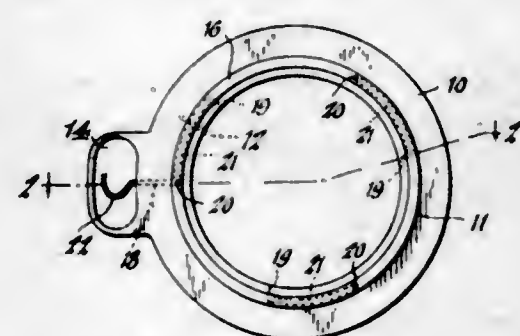
1. In a cotton picking machine, the combination with a rotary beater and mechanism for feeding fibrous material to said beater and presenting it thereto for the beating operation, of a supplemental roll positioned closer to the path

of revolution of said beater than is said feeding mechanism, means supporting said roll where it will engage the fringe of cotton extending from the nip of said feeding mechanism and will support it in position for the beater elements to act on its after they pass the beating point, and means for driving said roll with its surface nearest the beater running in the same direction as the adjacent surface of said beater and at a peripheral speed much slower than the peripheral speed of the beater whereby the fringe is beaten by the beater as it extends from the nip of said feeding mechanism, is fed in a partial circle by said beater and is additionally beaten by said beater as said fringe engages said roll, the surface of said supplemental roll being roughened sufficiently to restrain the movement of said fringe while the beater beats it out, whereby a more thorough sub-division of the fibrous mass and a more uniform picking operation are achieved and a smoother and more even sheet is produced.

2,435,939

SELF-LUBRICATING SPINNING RING

Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application December 13, 1945, Serial No. 634,679
2 Claims. (Cl. 57—120)



1. A spinning ring, comprising a body having an annular groove in the outer face thereof constituting a lubricant-receiving chamber and having a plurality of pairs of ports leading therefrom to the traveler-engaging bearing portions of the ring, the ports of a pair being disposed in different planes, and a wick common to each pair of ports having its intermediate portion seated in said groove and its ends extending into the companion ports of a pair.

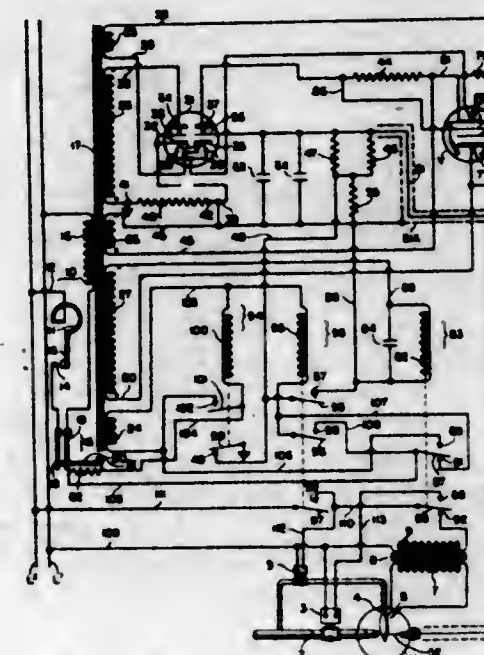
2,435,940

SAFETY CONTROL SYSTEM FOR FUEL BURNERS

Harry S. Jones, East Orange, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 404,523, July 29, 1941. This application filed May 17, 1946, Serial No. 670,353
42 Claims. (Cl. 158—28)

1. An electric circuit for controlling a load device in accordance with the magnitude of a variable impedance element, comprising a load device, a variable impedance element, an energizing circuit adapted to be connected to a source of alternating current of predetermined frequency, an electric discharge rectifier device having an input circuit including said impedance element and an output circuit, a connection between said load device and said output circuit including said energizing circuit, and means for intermittently impressing a substantially unidirectional potential of constant magnitude and of the same

frequency as said alternating current across said impedance element during the half cycles of said

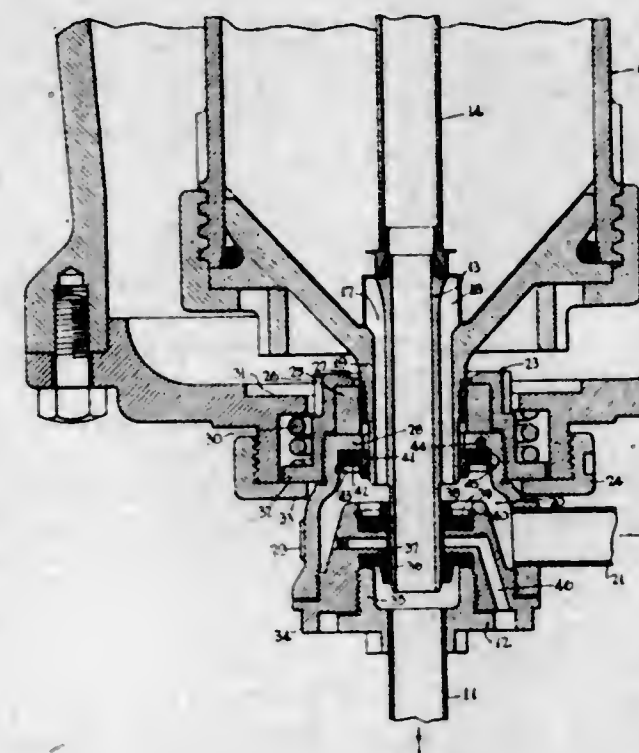


alternating current when said discharge rectifier device is non-conductive.

2,435,941

SEALING MEANS FOR FEED AND DISCHARGE CONDUITS OF CENTRIFUGAL SEPARATOR BOWLS

Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 4, 1943, Serial No. 474,640
10 Claims. (Cl. 233—21)



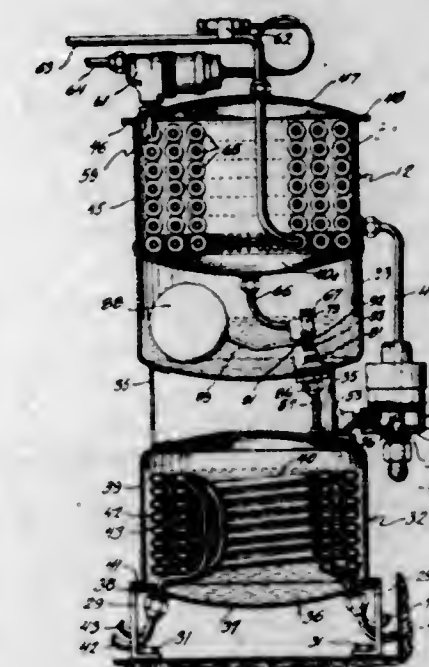
1. In a centrifuge, the combination comprising a non-rotating conduit, a centrifugal rotor, a conduit rotating with said rotor and interconnected with said first-mentioned conduit and said rotor to receive liquid under pressure from said first-mentioned conduit and direct said liquid into said rotor, a non-rotating sealing member formed of flexible material and providing a yieldable sealing connection between said rotating and non-rotating conduits, means supporting the end of said rotor into which liquid is passed from said sealing connection yieldably

for movement transversely of said rotor axis, and non-rotating means mounted for transverse movement with said end of said rotor for supporting said sealing member.

2,435,942

METHOD OF AND APPARATUS FOR COOLING LIQUIDS, CONFECTIONS, AND THE LIKE

Alexander F. McMahon, Oak Park, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application December 13, 1943, Serial No. 514,120
14 Claims. (Cl. 62—141)



1. In combination, a cabinet for a dispensing fountain comprising a cooling chamber for containing liquid refrigerant, a float chamber for containing liquid refrigerant, a condensing chamber, a cooling coil extending into the liquid refrigerant in said cooling chamber whereby heat extracted from the liquid passing through said coil will evaporate the liquid refrigerant in said cooling chamber in cooling said liquid, an expansion coil in the condensing chamber, a passage for conducting the refrigerant vapor from said cooling chamber to said condensing chamber, a pressure operated valve in said passage, means for maintaining said expansion coil at a low temperature for condensing said vapor, a conduit for conducting the condensate to said float chamber, a passage for conducting said condensate back to said cooling chamber, and means controlled by the height of said condensate in said float chamber for controlling the flow of said condensate to said cooling chamber.

2,435,943

OIL SEAL

Arthur G. C. Nehls, Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 25, 1946, Serial No. 657,009
12 Claims. (Cl. 288—3)

1. In a seal, a sealing member having an annular, flexible, generally radially directed sealing portion, a rigid annular member associated with said sealing member and presenting a spring-engaging surface, said sealing member having a pressure portion projecting in a radial direction away from said sealing portion, said pressure portion being disposed in force-transmitting relation to said sealing portion and in inclined convergent relation to said spring-engaging surface in the general direction of said sealing por-

tion, and an annular, radially acting spring engaged with said surface and pressure portion



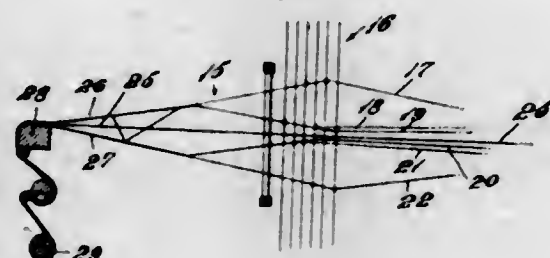
to transmit force through the latter to said sealing portion.

2,435,944

VENETIAN BLIND AND METHOD OF MAKING THE SAME

Charles W. Pollard, Chicago, Ill., assignor to International Braid Company, a corporation of Illinois

Application July 22, 1944, Serial No. 546,115
2 Claims. (Cl. 139-384)



1. The method of forming a Venetian blind ladder web which comprises weaving the ladder web with cross tapes and laying in warpwise of the web during weaving an unwoven strand located between the webs and between alternate cross tapes.

2,435,945

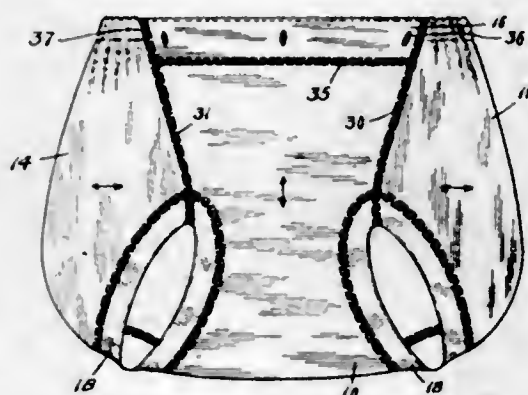
PANT TYPE GARMENT

Harriet L. Redmond, Boston, Mass., assignor to The William Carter Company, Needham Heights, Mass., a corporation of Massachusetts
Application February 24, 1945, Serial No. 579,599

2 Claims. (Cl. 2-224)

1. A legless pant type garment comprising side panels formed of knit material wherein the wales of the material run vertically of the garment to give lateral stretchability to the garment in said side panels, and a central panel of knit material extending from a point adjacent the waistline in front through the garment crotch to a point at least half way towards the waistline in the rear, said central panel being wider in front and in the rear than in the crotch, the wales of the material in said central panel extending laterally of the garment, lower edges of the side panels and sides of the crotch portion of the central panel co-operating to define leg openings for the garment with the central panel being seamed above said leg openings to said side panels along seams diverging upwardly from one another both in

the front and in the rear along at least a substantial portion of their lengths, and the vertical medial length of the garment in relaxed condi-



tion being less than one-half the relaxed waistline length but in tensioned condition being materially greater than said one-half relaxed waistline length.

2,435,946

PROCESS FOR DECARBURIZING AUSTENITIC MANGANESE CAST IRON

Alfred Gordon Evans Robiette and Peter Francis Hancock, Erdington, Birmingham, England, assignors to Birlec Limited, Birmingham, England

No Drawing. Application June 30, 1943, Serial No. 492,948. In Great Britain February 27, 1942

4 Claims. (Cl. 148-16)

2. A process of treating a casting of austenitic-carbide white cast iron having a structure comprised of austenite and free massive carbides and containing over 2% and up to about 6% carbon, about 9% to 25% manganese and the balance essentially iron which comprises decarburizing said casting in a solid state at substantially atmospheric pressure and above about 700° C. with a gaseous decarburizing medium which is substantially non-oxidizing to the manganiferous austenite in said casting but is decarburizing to the carbon therein, continuing said decarburizing treatment for a period of time sufficient to reduce the carbon content throughout the entire thickness of the casting and to produce in the casting a graded carbon content increasing toward the core and comprised when quenched of a work hardenable surface zone having a carbon content of less than 0.9% and a structure containing martensite on an underlayer comprised of unstable austenite merging into a deeper tough core of more stable austenite from which all free massive carbides have been removed, and quenching said casting having said graded carbon content from approximately 1000° to 1100° C.

2,435,947

PRODUCTION OF THYROXINE FROM DIODOTYROSINE

Charles W. Turner, Columbia, Mo., and Ezra P. Reineke, East Lansing, Mich., assignors to American Dairies Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, jointly

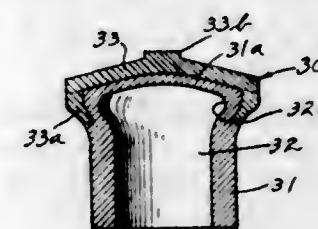
Application November 2, 1945, Serial No. 626,424
13 Claims. (Cl. 260-519)

1. A method of synthesizing thyroxine from diiodotyrosine comprising the steps of incubating the diiodotyrosine in an alkaline solution with aeration at temperatures of 50° to 70° C. and extracting the thyroxine from the mixture.

2,435,948 METHOD OF PREPARING COMPOSITE POPPET VALVES

John Wischhusen, Euclid, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application September 8, 1944, Serial No. 553,158
4 Claims. (Cl. 29-156.7)



3. The method of making composite poppet valves which comprises forming a metal blank with a reduced-diameter cylindrical end portion and a flat shoulder at the base of the end portion, tightly fitting a ring of corrosion-resistant metal onto the reduced-diameter portion of the blank in full seating relation with the shoulder of the blank, finishing the exposed end faces of the ring and the reduced-diameter cylindrical end portion of the blank to provide a flush flat end surface on the assembly, finishing an end face of a corrosion-resistant metal disk to provide a flat end surface thereon to mate with the end surface of the assembly, placing the finished end surfaces of the disk and assembly together in full contacting relation to cover the assembly with the disk, welding the assembly together at pressures of about 4000 to 6000 lbs. per square inch of contacting surface and at temperatures less than the melting point of the corrosion-resistant metal to thereby produce a composite metal blank with a bowed side wall, removing the bowed portion of the side wall of the composite metal blank, extruding the billet metal of the composite blank to a reduced-diameter size, terminating the extrusion operation in advance of the disk metal, piercing the reduced-diameter portion of the extruded blank to form a cup from the billet metal, and forging the resulting pierced blank to form thereon an elongated hollow stem with an outwardly flaring head portion covered with corrosion-resistant metal from the disk and having a peripheral rim covered with corrosion-resistant metal from the ring.

2,435,949

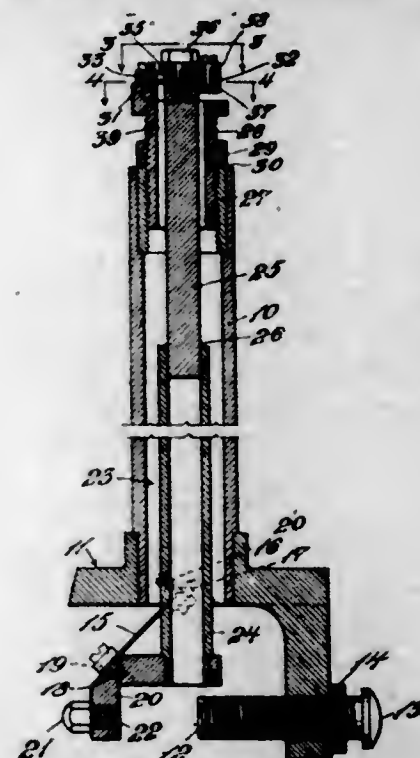
BORE GAUGE

John H. Worthen, Providence, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island

Application September 2, 1943, Serial No. 501,015
2 Claims. (Cl. 33-172)

2. In a gage, a tubular body, a rod located in the body and out of contact therewith, said rod having a feeler contact at one end thereof for engagement with work to be gaged, leaf springs for supporting said rod at its opposite ends from said body, one end of said rod being supported

by a pair of said springs at a location such that its axis will be positioned substantially midway



between both ends of the fastened end portions of both of said pair of springs and midway between the springs.

2,435,950

HYDRAULIC FLUIDS

Harry T. Neher, Bristol, and Frank J. Glavis, Elkins Park, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 3, 1945,

Serial No. 576,142

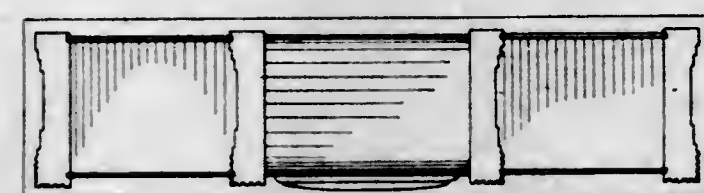
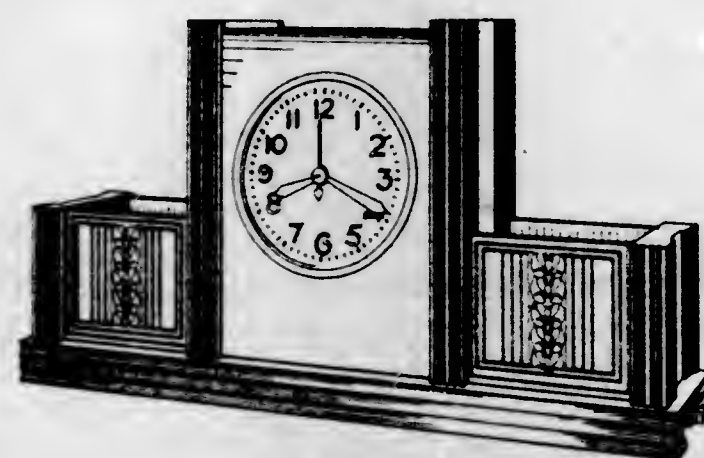
8 Claims. (Cl. 252-77)

1. A hydraulic fluid consisting essentially of (a) 0.7% by weight up to saturation of an acrylic resin which is rendered water-soluble by acrylic carboxylate groups in the form of quaternary ammonium salt groups, the four non-ionic substituents of the quaternary nitrogen atom thereof being selected from members of the class consisting of neutral aliphatic, acrylaliphatic, and alicyclic-aliphatic groups containing not over ten carbon atoms each bound to the nitrogen at a saturated carbon atom thereof in an open chain, and (b) a fluid medium in which said acrylic resin is dissolved in a proportion sufficient to impart lubricating properties and substantial viscosity to the fluid, said fluid medium consisting essentially of a water-miscible liquid from the class consisting of saturated aliphatic dihydric alcohols having a chain of two to three carbon atoms between the hydroxyl groups thereof, saturated aliphatic dihydric ether alcohols containing one to three ether oxygen atoms and having alkylene chains of two to three carbon atoms, saturated trihydric aliphatic alcohols of three to four carbon atoms, and ethers formed from any of said alcohols and a saturated aliphatic monohydric alcohol of one to four carbon atoms, aqueous solutions thereof, mixtures thereof, and aqueous mixtures thereof.

DESIGNS

FEBRUARY 10, 1948

148,597
DESIGN FOR A COMBINED MANTEL CLOCK
AND PLANT RECEPTACLES
Norman H. Abrams, Indianapolis, Ind.
Application October 21, 1947, Serial No. 142,066
Term of patent 3½ years
(Cl. D42—7)



The ornamental design for a combined mantel clock and plant receptacles, as shown.

148,598
DESIGN FOR AN OPERA CHAIR END
STANDARD OR THE LIKE
Robert I. Anderson, Grand Haven, and Bert Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application September 28, 1946, Serial No. 133,634
Term of patent 14 years
(Cl. D15—8)



The ornamental design for an opera chair end standard or the like, as shown.

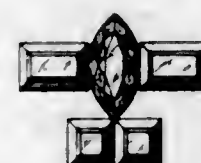
346

148,599
DESIGN FOR AN EARRING OR SIMILAR
ARTICLE
Leonard G. Arpin, Montclair, N. J.
Application December 17, 1946, Serial No. 135,572
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring or similar article, as shown.

148,600
DESIGN FOR AN EARRING OR SIMILAR
ARTICLE
Leonard G. Arpin, Montclair, N. J.
Application December 17, 1946, Serial No. 135,573
Term of patent 3½ years
(Cl. D45—9)



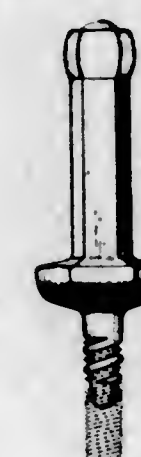
The ornamental design for an earring or similar article, as shown.

FEBRUARY 10, 1948

U. S. PATENT OFFICE

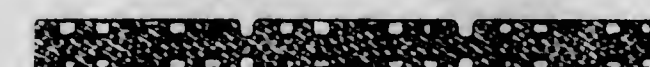
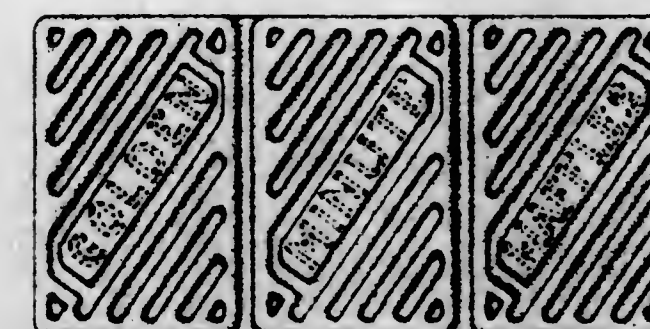
347

148,601
DESIGN FOR A FILTER FOR COFFEE
MAKERS
Wesley R. Becher, Wethersfield, Conn., assignor to The Sillex Company, Hartford, Conn.
Application March 26, 1946, Serial No. 127,967
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a filter for coffee makers, substantially as shown and described.

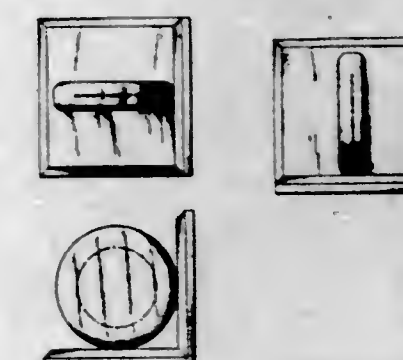
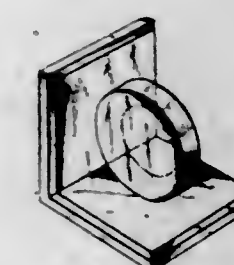
148,602
DESIGN FOR A WAFFLE
Ken E. Bemis, Oakland, Calif.
Application July 23, 1946, Serial No. 131,868
Term of patent 14 years
(Cl. D8—1)



The ornamental design for a waffle, as shown and described.

607 O. G.—23

148,603
DESIGN FOR A BOOK END
Otto Edwin Berg, Washington, D. C.
Application October 17, 1946, Serial No. 134,007
Term of patent 14 years
(Cl. D33—1)



The ornamental design for a book end, as shown and described.

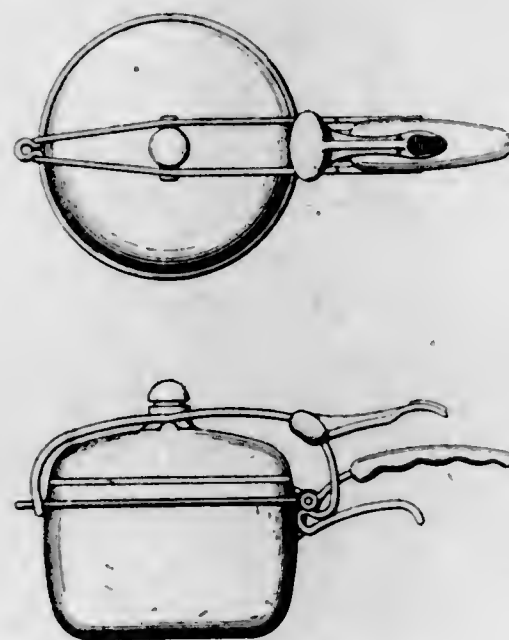
148,604
DESIGN FOR A BOTTLE
Roger Bigar, New York, N. Y.
Application April 27, 1946, Serial No. 129,050
Term of patent 3½ years
(Cl. D58—9)



The ornamental design for a bottle, substantially as shown.

148,605

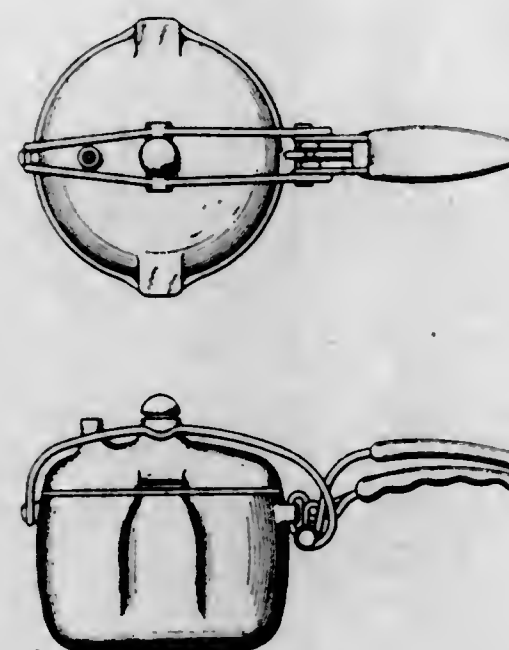
DESIGN FOR A PRESSURE COOKER
Herbert E. Brannon, Dryden, Mich.; Charles W. Hayner, administrator of said Herbert E. Brannon, deceased
Application January 18, 1946, Serial No. 125,688
Term of patent 7 years
(Cl. D44—1)



The ornamental design for a pressure cooker, substantially as shown.

148,606

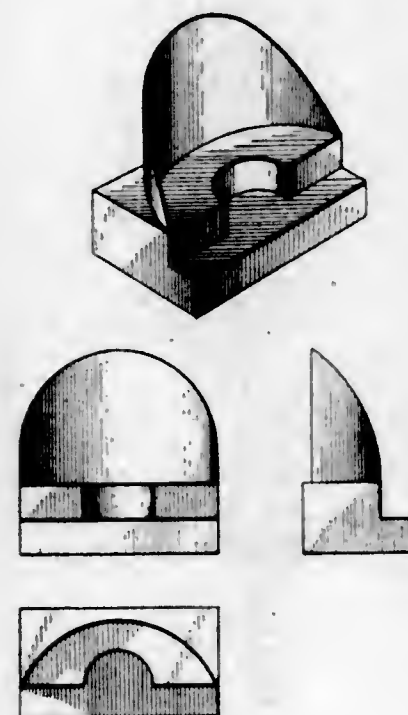
DESIGN FOR A PRESSURE COOKER
Herbert E. Brannon, Dryden, Mich.; Charles W. Hayner, administrator of said Herbert E. Brannon, deceased
Application January 18, 1946, Serial No. 125,689
Term of patent 7 years
(Cl. D44—1)



The ornamental design for a pressure cooker, substantially as shown.

148,607

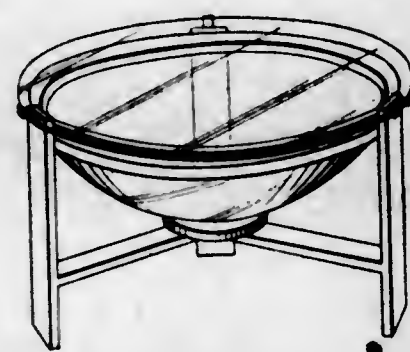
DESIGN FOR A DISPLAY DEVICE
Hugh William Broadbent, Ogden, Utah
Application July 10, 1946, Serial No. 131,437
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a display device, as shown.

148,608

DESIGN FOR A COMBINED AQUARIUM AND COFFEE TABLE
Alden D. Bullock, Seattle, Wash.
Application February 20, 1946, Serial No. 126,734
Term of patent 7 years
(Cl. D33—14)



The ornamental design for a combined aquarium and coffee table, as shown.

148,609

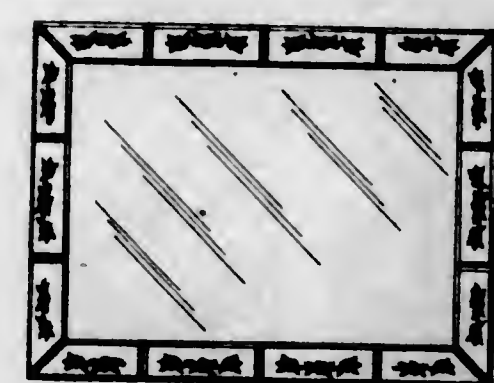
DESIGN FOR A RUBBER DOILY OR SIMILAR ARTICLE
Jacob Ernest Flaker, Barberton, Ohio
Application May 15, 1947, Serial No. 139,051
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a rubber doily or similar article, substantially as shown and described.

148,610

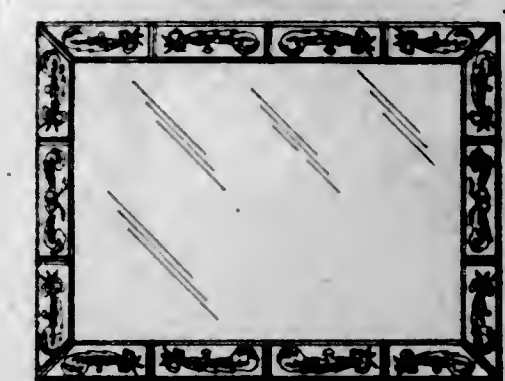
DESIGN FOR A SHADOW BOX MIRROR
Joseph Friedman, New York, N. Y.
Application September 7, 1946, Serial No. 133,133
Term of patent 3½ years
(Cl. D33—9)



The ornamental design for a shadow box mirror, as shown.

148,611

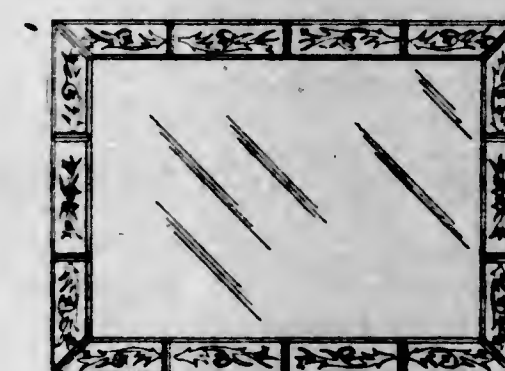
DESIGN FOR A SHADOW BOX MIRROR
Joseph Friedman, New York, N. Y.
Application September 7, 1946, Serial No. 133,134
Term of patent 3½ years
(Cl. D33—9)



The ornamental design for a shadow box mirror, as shown.

148,612

DESIGN FOR A SHADOW BOX MIRROR
Joseph Friedman, New York, N. Y.
Application September 7, 1946, Serial No. 133,135
Term of patent 3½ years
(Cl. D33—9)



The ornamental design for a shadow box mirror, as shown.

148,613

DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Beatrice Glass, New York, N. Y.
Application February 11, 1947, Serial No. 136,843
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

148,614

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Beatrice Glass, New York, N. Y.
Application February 11, 1947, Serial No. 136,844
Term of patent $3\frac{1}{2}$ years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,615

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Beatrice Glass, New York, N. Y.
Application February 11, 1947, Serial No. 136,846
Term of patent $3\frac{1}{2}$ years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,616

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Beatrice Glass, New York, N. Y.
Application February 11, 1947, Serial No. 136,848
Term of patent $3\frac{1}{2}$ years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,617

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Beatrice Glass, New York, N. Y.
Application February 18, 1947, Serial No. 136,980
Term of patent $3\frac{1}{2}$ years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,618

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Beatrice Glass, New York, N. Y.
Application February 20, 1947, Serial No. 137,044
Term of patent $3\frac{1}{2}$ years
(Cl. D45-19)

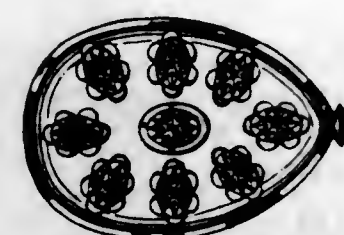
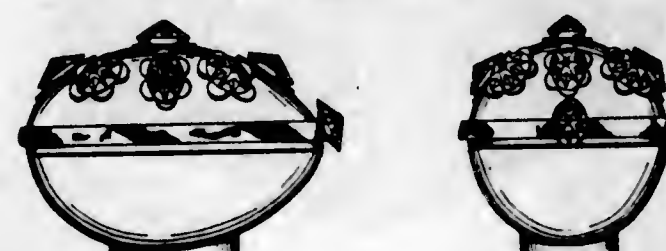


The ornamental design for a brooch or similar article, substantially as shown.

148,619

DESIGN FOR A CONTAINER FOR A PERFUME BOTTLE OR THE LIKE

Elizabeth N. Graham, New York, N. Y.
Application February 20, 1947, Serial No. 137,035
Term of patent 14 years
(Cl. D58-11)

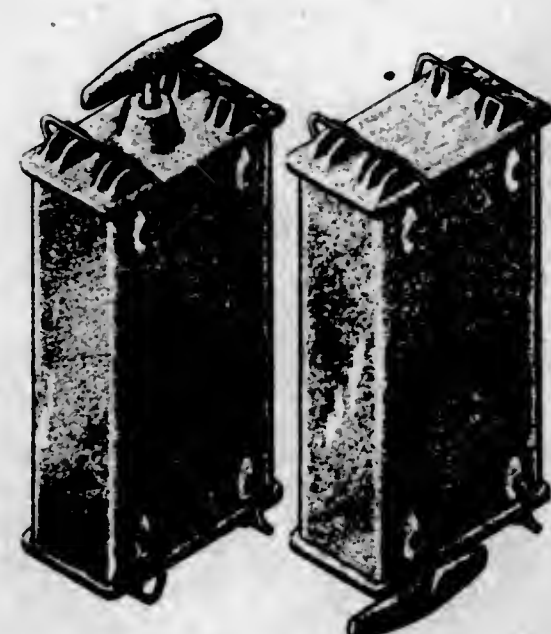


The ornamental design for a container for a perfume bottle or the like, substantially as shown.

148,620

DESIGN FOR A COMBINED MIXER AND MOLD FOR MARGARINE AND OTHER FOOD PRODUCTS

George G. Green, San Jose, Calif.
Application September 13, 1946, Serial No. 133,285
Term of patent 7 years
(Cl. D44-1)

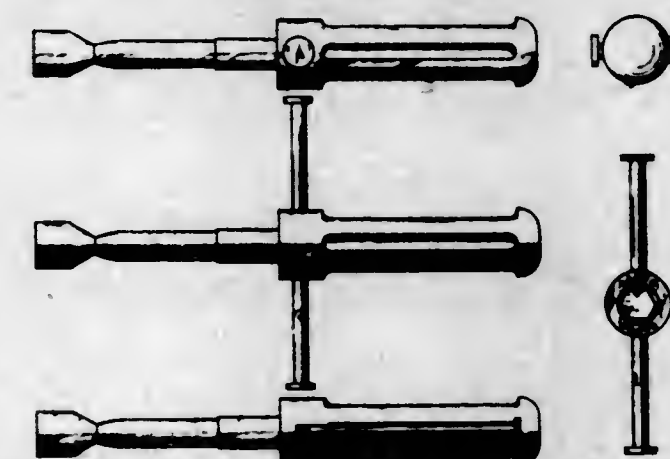


The ornamental design for a combined mixer and mold for margarine and other food products, as shown.

148,621

DESIGN FOR A WRENCH

Fred Herman, Cleveland, Ohio
Application July 24, 1946, Serial No. 131,876
Term of patent 14 years
(Cl. D54-16)



The ornamental design for a wrench, substantially as shown.

148,622

DESIGN FOR AN ESCUTCHEON FOR DOORBELL PUSH BUTTONS

Pauline Hillman, Hillside, N. J.
Application October 21, 1946, Serial No. 134,145
Term of patent 14 years
(Cl. D26-13)



The ornamental design for an escutcheon for doorbell push buttons, as shown.

148,623

DESIGN FOR A WINE PITCHER

Vilhelm Hingelberg, Aarhus, Denmark
Application December 10, 1946, Serial No. 135,389
Term of patent 14 years
(Cl. D44-21)



The ornamental design for a wine pitcher, as shown.

148,624

DESIGN FOR A LACE TABLECLOTH

Howard Hooven, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 9, 1947, Serial No. 138,951
Term of patent 7 years
(Cl. D92-26)

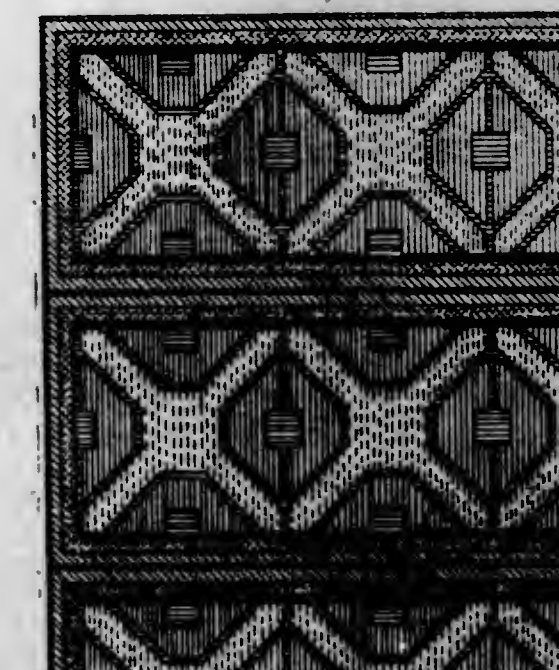


The ornamental design for a lace tablecloth, substantially as shown and described.

148,625

DESIGN FOR A RUG

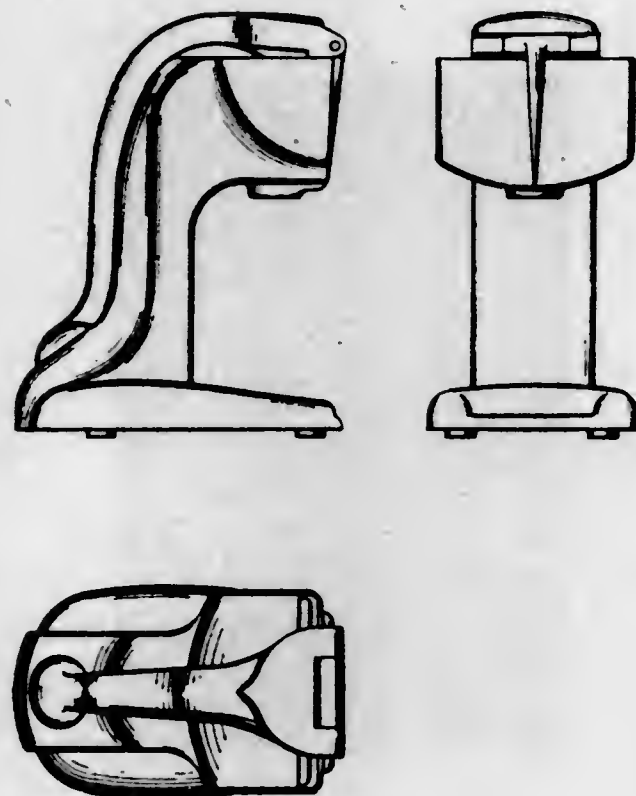
Walter P. Kansteiner, Columbus, Tex.
Application January 31, 1947, Serial No. 136,603
Term of patent 14 years
(Cl. D92-21)



The ornamental design for a rug, as shown and described.

148,626

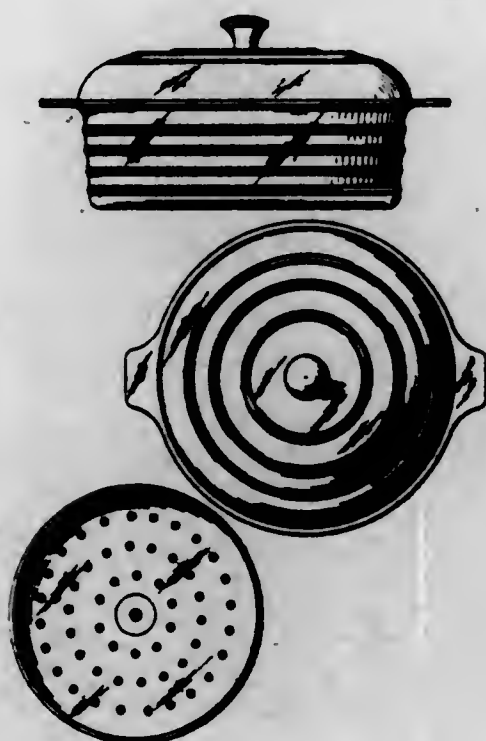
DESIGN FOR A FRUIT JUICER
 Don M. Kitterman, Kansas City, Kans.
 Application July 6, 1946, Serial No. 131,349
 Term of patent $3\frac{1}{2}$ years
 (Cl. D89-1)



The ornamental design for a fruit juicer, as shown.

148,627

DESIGN FOR A DUTCH OVEN OR THE LIKE
 Herbert D. La Mont, Huntington, Ind.
 Application June 28, 1946, Serial No. 131,152
 Term of patent 7 years
 (Cl. D44-1)



The ornamental design for a Dutch oven or the like, as shown.

148,628

DESIGN FOR A DRESS
 Mildred Macpherson, New York, N. Y.
 Application July 12, 1947, Serial No. 140,232
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3-26)



The ornamental design for a dress, substantially as shown.

148,629

DESIGN FOR A DRESS
 Mildred Macpherson, New York, N. Y.
 Application July 12, 1947, Serial No. 140,234
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3-26)



The ornamental design for a dress, substantially as shown.

148,630

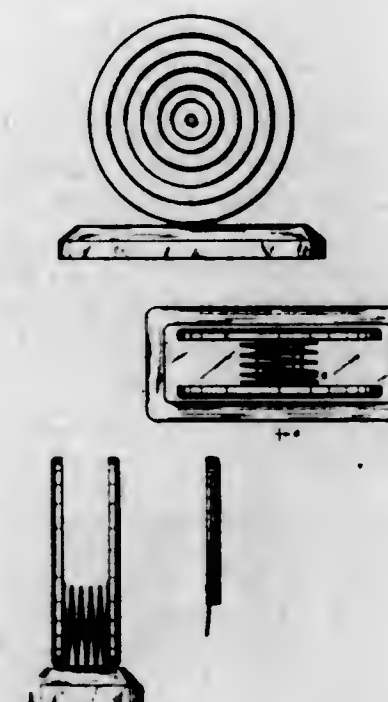
DESIGN FOR A DRESS
 Mildred Macpherson, New York, N. Y.
 Application July 12, 1947, Serial No. 140,235
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3-26)



The ornamental design for a dress, substantially as shown.

148,631

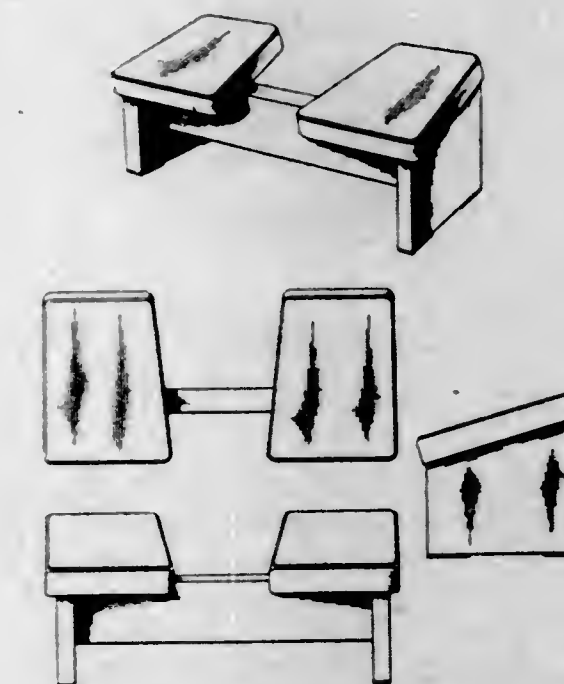
DESIGN FOR A PAPER HOLDER
 William Marcus, Cleveland, Ohio
 Application November 15, 1946, Serial No. 134,797
 Term of patent 7 years
 (Cl. D74-1)



The ornamental design for a paper holder, as shown and described.

148,632

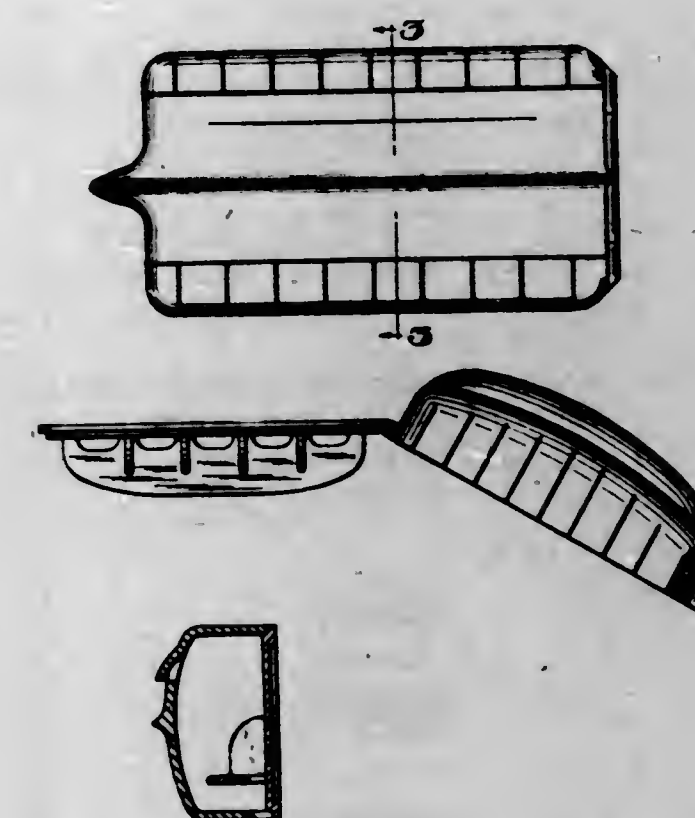
DESIGN FOR A FOOT SUPPORT
 Jackson Russell Martin, Grand Rapids, Mich.
 Application October 7, 1946, Serial No. 133,809
 Term of patent 14 years
 (Cl. D15-8)



The ornamental design for a foot support, substantially as shown.

148,633

DESIGN FOR A TOOTHBRUSH HOLDER
 Otto Morningstar, Newton, Mass., assignor to The Morningstar Corporation, Cambridge, Mass., a corporation of Massachusetts
 Application June 27, 1946, Serial No. 131,113
 Term of patent $3\frac{1}{2}$ years
 (Cl. D4-3)



The ornamental design for a toothbrush holder, as shown.

148,634

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,873

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,635

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,874

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,636

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,875

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,637

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,876

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,638

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,877

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,639

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,878

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,640

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,879

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,641

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,880

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,642

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,881

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,643

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application November 18, 1946, Serial No. 134,882

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,644

DESIGN FOR A BELT BUCKLE

William A. Nelson, Houston, Tex., assignor to Nelson-Bringolf, Inc., Houston, Tex., a corporation of Texas

Application December 24, 1946, Serial No. 135,737

Term of patent $3\frac{1}{2}$ years

(Cl. D17-1)



The ornamental design for a belt buckle, as shown.

148,645

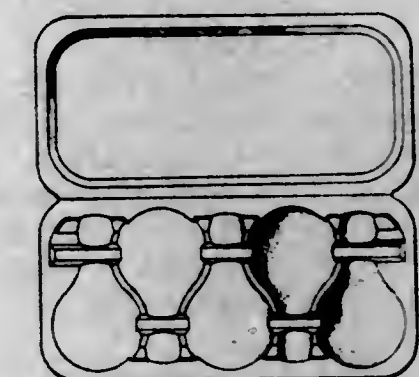
DESIGN FOR A PACK FOR FRAGILE ARTICLES

Wallace E. Parsons and Walter H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, as trustee

Application June 9, 1945, Serial No. 119,997

Term of patent 14 years

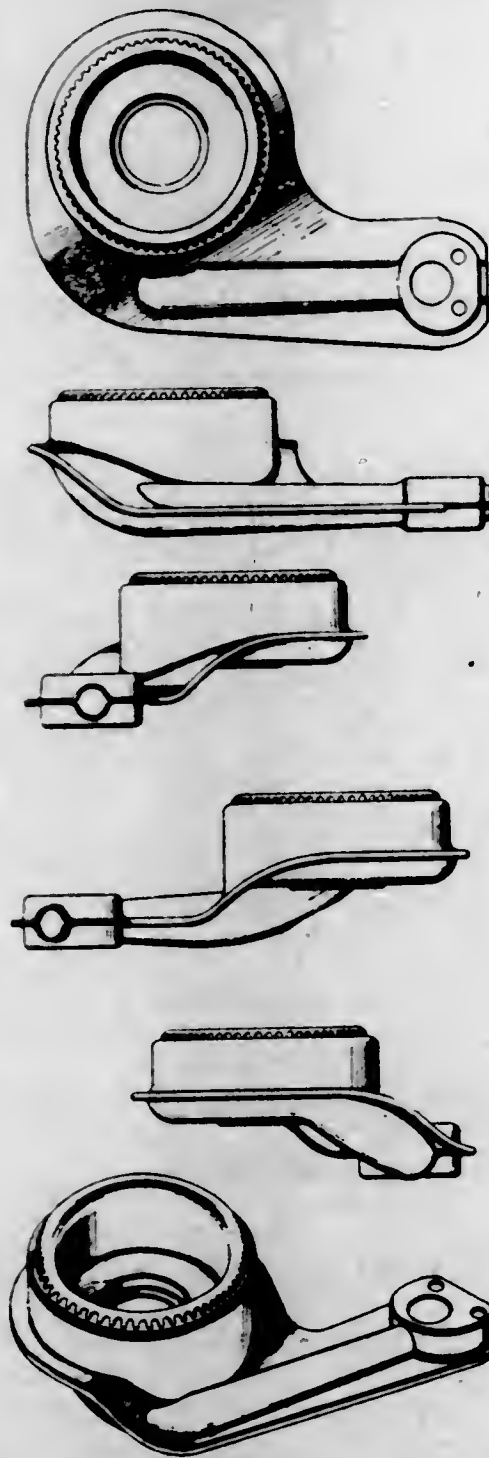
(Cl. D58-13)



The ornamental design for a pack for fragile articles, as shown.

148,646

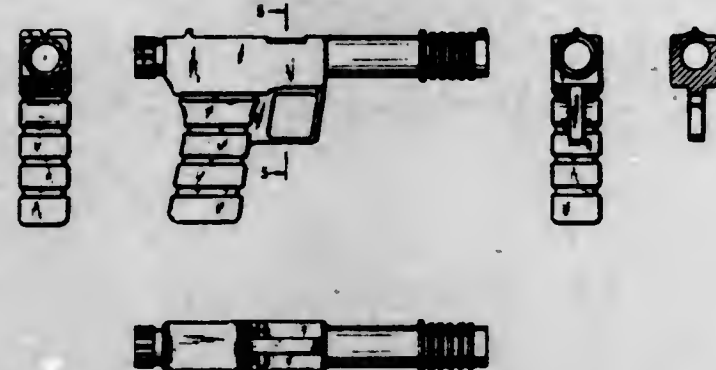
DESIGN FOR A TOP BURNER ASSEMBLY FOR GAS COOKSTOVES
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application May 3, 1946, Serial No. 129,243
Term of patent 7 years
(Cl. D81-10)



The ornamental design for a top burner assembly for gas cookstoves, substantially as shown.

148,647

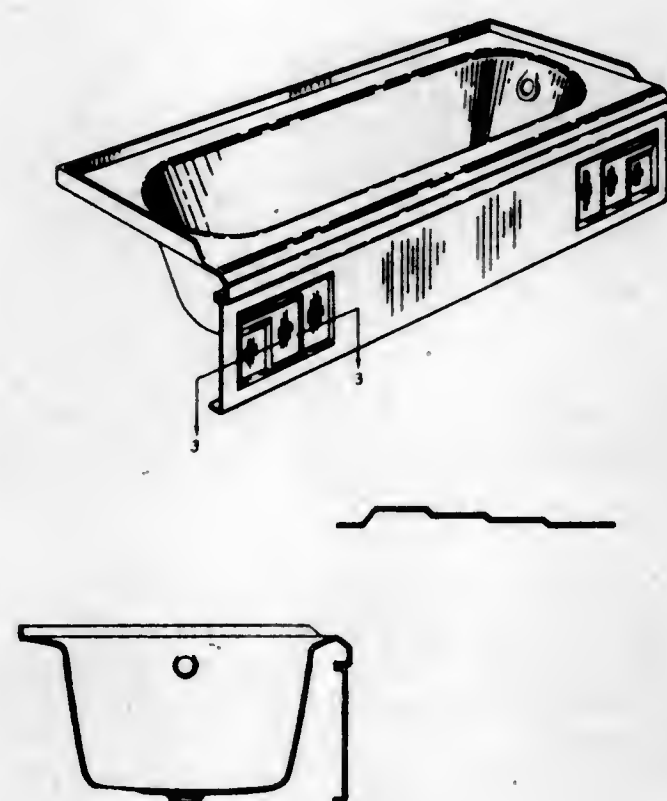
DESIGN FOR A TOY PISTOL
James P. Robinson, Paterson, N. J., assignor to Plastic Art Toy Corporation of America, Rutherford, N. J., a corporation of New Jersey
Application October 24, 1946, Serial No. 134,215
Term of patent 7 years
(Cl. D34-15)



The ornamental design for a toy pistol, substantially as shown.

148,648

DESIGN FOR A BATHTUB
Clarence J. Rodman, Alliance, Ohio
Application March 13, 1946, Serial No. 127,417
Term of patent 14 years
(Cl. D4-4)



The ornamental design for a bathtub, substantially as shown and described.

148,649

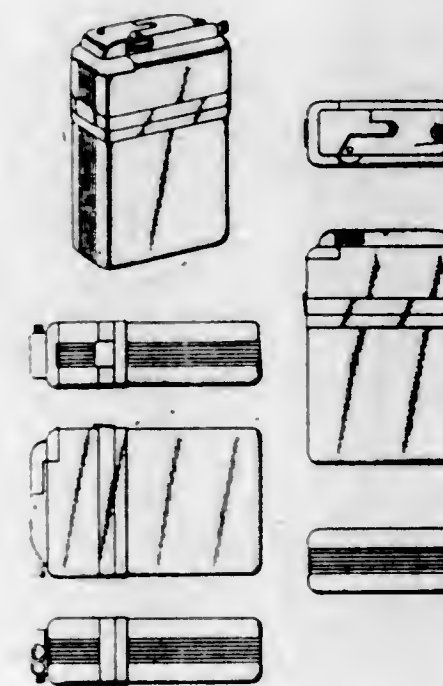
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application July 12, 1947, Serial No. 140,245
Term of patent 3½ years
(Cl. D3-26)



The ornamental design for a dress, substantially as shown.

148,650

DESIGN FOR A COMBINED CIGARETTE LIGHTER AND CASE
Robert W. Snodgrass, Mount Morris, Mich.
Application April 25, 1946, Serial No. 128,955
Term of patent 14 years
(Cl. D85-2)



The ornamental design for a combined cigarette lighter and case, substantially as shown.

148,651

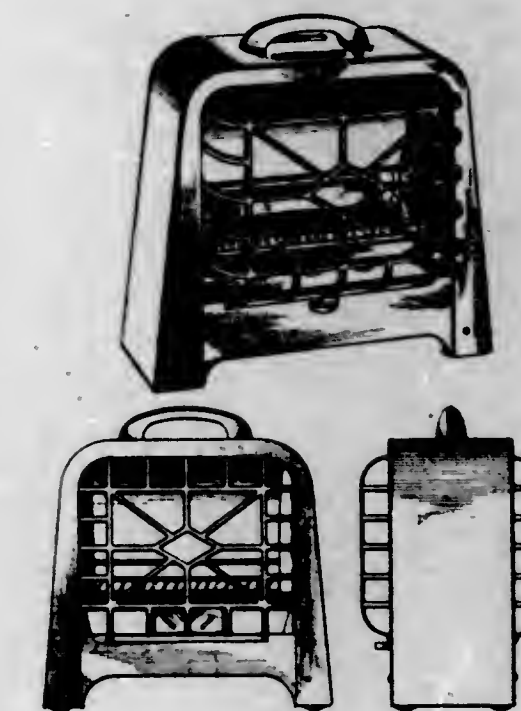
DESIGN FOR A CONDIMENT SHAKER
Milton Steele, Coral Gables, Fla.
Application October 24, 1946, Serial No. 134,202
Term of patent 14 years
(Cl. D44-22)



The ornamental design for a condiment shaker, as shown.

148,652

DESIGN FOR A PORTABLE ELECTRIC SPACE HEATER
George Steingruber, Atlanta, Ga.
Application May 2, 1946, Serial No. 129,227
Term of patent 14 years
(Cl. D81-10)



The ornamental design for a portable electric space heater, as shown.

148,653

DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application July 15, 1947, Serial No. 140,273
Term of patent 3½ years
(Cl. D3-26)



The ornamental design for a dress, substantially as shown.

148,654
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,276
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,655
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,278
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,656
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,280
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,657
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,281
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,658
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,283
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,659
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,286
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,660
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,289
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,661
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,290
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



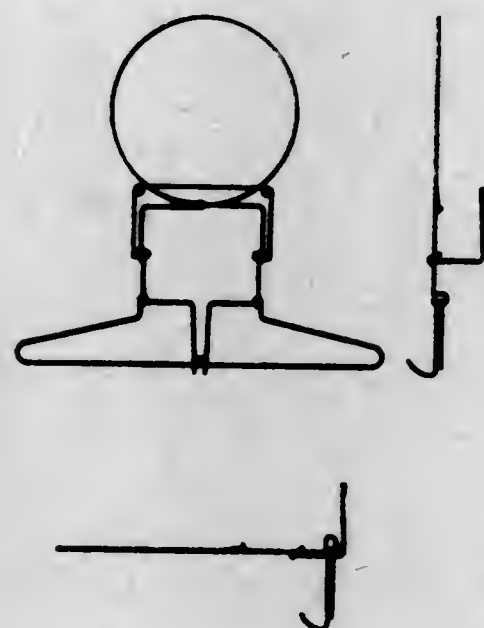
The ornamental design for a dress, substantially as shown.

148,662
DESIGN FOR A DRESS
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,292
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



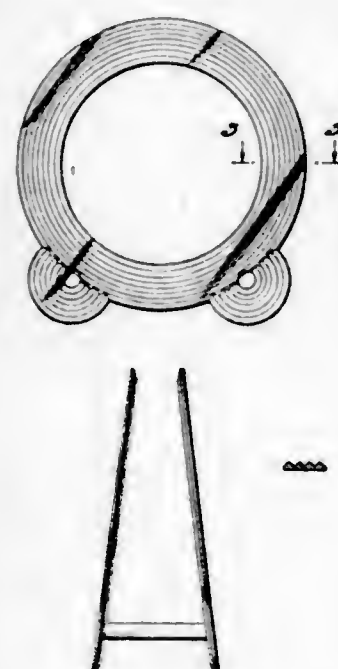
The ornamental design for a dress, substantially as shown.

148,663
DESIGN FOR A COMBINED HAT AND COAT RACK
 Gran-vill Thompson, Poplin, Mo.
 Application October 28, 1946, Serial No. 134,291
 Term of patent 14 years
 (Cl. D33—8)



The ornamental design for a combined hat and coat rack, as shown and described.

148,664
DESIGN FOR A NAPKIN HOLDER OR THE LIKE
 Bernard Ulvad, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
 Application June 21, 1947, Serial No. 139,855
 Term of patent 7 years
 (Cl. D44—24)



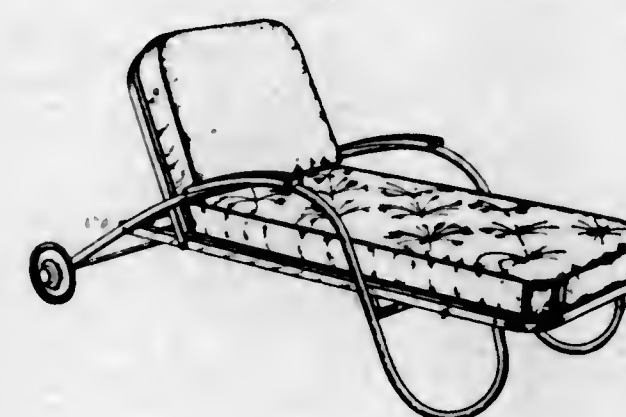
The ornamental design for a napkin holder or the like, substantially as shown.

148,665
DESIGN FOR A ROBE OR SIMILAR ARTICLE
 Samuel Valenstein, New York, N. Y.
 Application July 18, 1947, Serial No. 140,314
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—26)



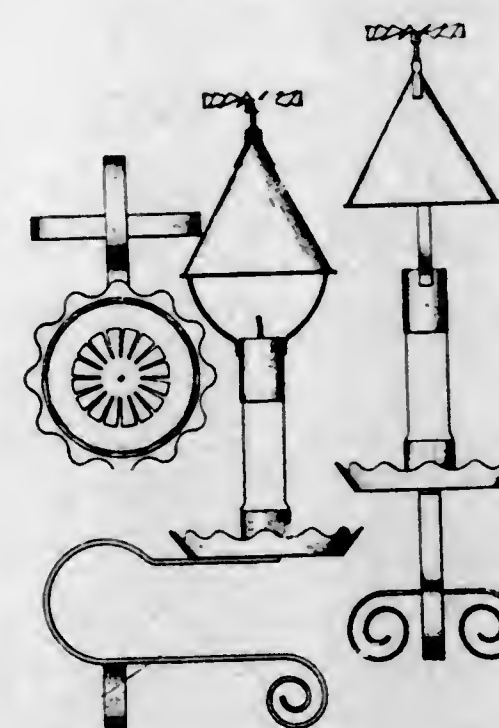
The ornamental design for a robe or similar article, substantially as shown and described.

148,666
DESIGN FOR A CHAISE LONGUE
 William W. Vincent, Jr., Kenosha, Wis., assignor to The Vincent-McCall Company, Kenosha, Wis., a corporation of Wisconsin
 Application September 12, 1946, Serial No. 133,273
 Term of patent 14 years
 (Cl. D15—11)



The ornamental design for a chaise longue, substantially as shown.

148,667
DESIGN FOR A CANDLESTICK
 Michael Vozzella, Malden, Mass.
 Application December 4, 1946, Serial No. 135,257
 Term of patent 7 years
 (Cl. D48—2)



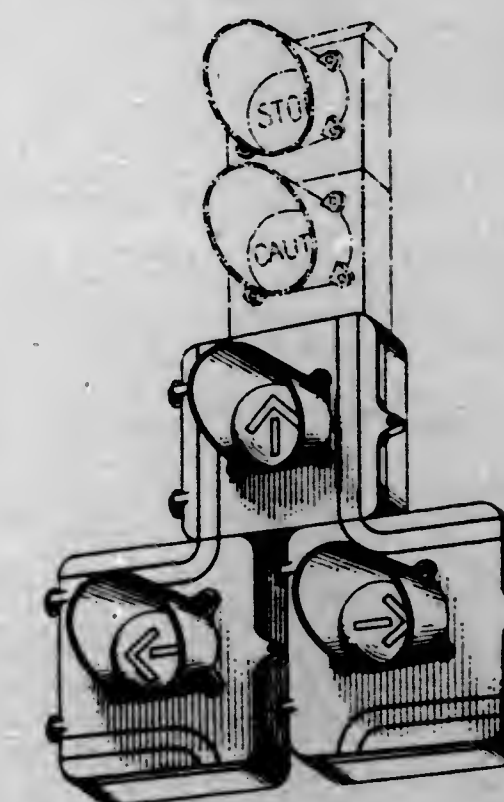
The ornamental design for a candlestick, as shown.

148,668
DESIGN FOR A TEXTILE FABRIC
 Maartem Witsenburg, New York, N. Y., assignor to Lindex Distributors, Inc., New York, N. Y., a corporation of New York
 Application February 21, 1947, Serial No. 137,068
 Term of patent $3\frac{1}{2}$ years
 (Cl. D92—1)



The ornamental design for a textile fabric, as shown and described.

148,669
DESIGN FOR A TRAFFIC SIGNAL
 Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va., a corporation of Virginia
 Application November 20, 1947, Serial No. 142,693
 Term of patent 14 years
 (Cl. D72—1)



The ornamental design for a traffic signal, as shown and described.

LIST OF TRADE-MARK APPLICANTS

Estabrooks, T. H., Co., Limited, St. John, New Brunswick, Canada. Tea. Serial No. 490,424, Feb. 10. Class 46.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 529,973, Feb. 10. Class 22.
Felch-Anderson Co., Providence, R. I. Jewelry. Serial No. 516,404, Feb. 10. Class 28.
Freeport Machine Works, Inc., New York, N. Y. Cooking and baking vessels. Serial No. 523,255, Feb. 10. Class 13.
Gaines, M. Charles, New York, N. Y. Cartoon magazine published periodically. Serial No. 528,096-7, Feb. 10. Class 38.
Garrett Corporation, The (Alresearch Manufacturing Company Division), Los Angeles, Calif. Heating equipment. Serial No. 485,360, Feb. 10. Class 34.
Goldman, Joseph, & Bro. Inc., New York, N. Y. Dresses. Serial No. 521,187, Feb. 10. Class 39.
Goldman-Nasher Company, Brockton, Mass. Men's topcoats, overcoats, suits. Serial No. 521,946, Feb. 10. Class 39.
Goldsberry, Manley, Phelan, Calif. Shoe trees. Serial No. 522,171, Feb. 10. Class 50.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Household salt. Serial No. 527,485, Feb. 10. Class 46.
Grossman, Cornell, Millburn, N. J. Finger rings, bracelets, necklaces, etc. Serial No. 516,014, Feb. 10. Class 28.
Gutmann, Carl, & Co., Inc., New York, N. Y. Men's and boys' knitted outerwear. Serial No. 505,700, Feb. 10. Class 39.
Herman, T. R., Co., Jamaica, N. Y. Misses', girls', and children's combined scarfs and head coverings. Serial No. 534,281, Feb. 10. Class 39.
Heyden Chemical Corporation, New York, N. Y. Bornyl salicylate and similar salicylic acid esters of alcohols and phenols. Serial No. 530,311, Feb. 10. Class 6.
Hillview Farm: See—
Yoshioka Bros.
Hindu Incense Manufacturing Co., Chicago, Ill. Incense. Serial No. 527,404, Feb. 10. Class 6.
Horrocks-Ibbotson Company, Utica, N. Y. Fishing rods and poles, fishing reels, fishing lines, etc. Serial No. 513,419, Feb. 10. Class 22.
House Beautiful Curtains, Inc., New York, N. Y. Window curtains. Serial No. 504,787, Feb. 10. Class 42.
Hudnut, Richard, New York, N. Y. Cake makeup. Serial No. 532,223, Feb. 10. Class 6.
International Silver Company, The, Meriden, Conn. Silver-plated hollow-ware. Serial No. 524,609, Feb. 10. Class 28.
Jacobs, Grossman & Rosenberg, Inc., Philadelphia, Pa. Children's and misses' dresses and frocks. Serial No. 533,166, Feb. 10. Class 39.
Jay Chemical Company: See—
Kanter, Louis J.
Jeffreys Laboratories, Incorporated, Salem, Va. Bacterial enzyme material. Serial No. 517,725, Feb. 10. Class 6.
Jet Company, Incorporated, Duluth, Minn. Bottled soft drinks. Serial No. 522,407, Feb. 10. Class 45.
Johnson & Johnson, New Brunswick, N. J. Protective surgical adhesive bandages. Serial No. 503,296, Feb. 10. Class 44.
Jones, Katharine L., doing business as The Van-Guard Company, Kansas City, Mo. Ice creepers. Serial No. 519,875, Feb. 10. Class 13.
Joselli Suits, Inc., New York, N. Y. Women's, misses', and junior misses' suits and coats. Serial No. 529,390, Feb. 10. Class 39.
Kanter, Louis J., doing business as Jay Chemical Company, Cleveland, Ohio. Medicinal preparations. Serial No. 512,510, Feb. 10. Class 6.
Kathryn, Inc., Chicago, Ill. Medicated cosmetic cream containing estrogen. Serial No. 532,831, Feb. 10. Class 6.
Koolite, Inc., Houston, Tex. Slat awnings. Serial No. 526,257, Feb. 10. Class 13.
Koran's Enterprises, Scranton, Pa. Rubber floor tiles. Serial No. 518,895, Feb. 10. Class 20.
Lalace & Grosjean Mfg. Co., Woodhaven and New York, N. Y. Sheet metal ware. Serial No. 500,806, Feb. 10. Class 13.
Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Shampoo. Serial No. 528,292, Feb. 10. Class 6.
Lamont, Robert, doing business as Red Rock Beverage Co., Altoona, Pa. Non-alcoholic, maltless beverages. Serial No. 503,755, Feb. 10. Class 45.
Lapporte, D. Nathan, doing business as Bar Food Products Company, Chicago, Ill. Salted, dry, smoked and pickled fish and fish fillets. Serial No. 497,484, Feb. 10. Class 46.
Leeds, Herbert R., & Co., Inc., New York, N. Y. Worsteds fabrics in the piece. Serial No. 531,490, Feb. 10. Class 42.
Liberty Optical Manufacturing Co. Inc., Newark, N. J. Frame for spectacles. Serial No. 511,483-4, Feb. 10. Class 26.
Linde Air Products Company, The, New York, N. Y. Flow meters and slide films. Serial No. 487,476, Feb. 10. Class 26.
Linde Air Products Company, The, New York, N. Y. Cylinder charging racks for gas. Serial No. 500,229, Feb. 10. Class 13.
Lippman, B. Inc., New York, N. Y. Men's and boys' pants and women's, misses', and girls' slacks. Serial No. 518,469, Feb. 10. Class 39.
Lovable Brassiere Co., The, Atlanta, Ga. Brassieres. Serial No. 531,813, Feb. 10. Class 39.
Macrolyn, Inc., Houston, Tex. Laminates and cast plastic sheets, panels, molded corners, etc. Serial No. 507,326, Feb. 10. Class 12.
Mallinckrodt Chemical Works, St. Louis, Mo. Dye preparations. Serial No. 526,950, Feb. 10. Class 6.
Manchester Knitted Fashions, Inc., Manchester, N. H. Knitted and woven sports shirts. Serial No. 524,140, Feb. 10. Class 39.
McBratney, Robert, & Company, Incorporated, New York, N. Y. Linen piece goods. Serial No. 531,348, Feb. 10. Class 42.
Meincke, A. M., & Son, Inc., Chicago, Ill. Chemically treated starch for use in ceramic porcelain industries. Serial No. 529,184, Feb. 10. Class 6.
Merit Machine & Metal Works, Brooklyn, N. Y. Aluminum cooking utensils. Serial No. 500,175, Feb. 10. Class 13.
Michigan Chemical Corporation, St. Louis, Mo. Chemical fire extinguishing composition. Serial No. 515,508, Feb. 10. Class 6.
Midget Louver Company, The: See—
Scallon, Frank J.
Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Estrogenic hormone preparation. Serial No. 527,695, Feb. 10. Class 6.
Miller, Samuel J., and Co., Baltimore, Md. Neckties and cravats. Serial No. 521,587, Feb. 10. Class 39.
Minnesota Micaceous Products, Inc., Minneapolis, Minn. Highly refined, non-metallic mineral refractory lubricating compound. Serial No. 497,877, Feb. 10. Class 15.
Morris, Harry, Associates, Chicago, Ill. Jewelry. Serial No. 518,473, Feb. 10. Class 28.
Moss, T. J., Tie Company, St. Louis, Mo. Publications issued from time to time. Serial No. 527,247, Feb. 10. Class 38.
Nagel, Charles R., doing business as Arnagel Industries, Burbank, Calif. Mounting adapters. Serial No. 522,986, Feb. 10. Class 13.
Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Liquid window cleaner. Serial No. 508,309, Feb. 10. Class 4.
Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Window cleaner and applicator. Serial No. 511,032, Feb. 10. Class 4.
National Wax Company, Chicago, Ill. Wetting agent. Serial No. 505,119, Feb. 10. Class 6.
New Braunfels Textile Mills, New Braunfels, Tex. Cotton piece goods. Serial No. 531,700, Feb. 10. Class 42.
Nina Doll Co.: See—
Clark, Alice L.
Nussbaum and Bruckner, New York, N. Y. Infant girls', girls', and women's garments. Serial No. 511,035, Feb. 10. Class 39.
Oakford Company, The, Peoria, Ill. Coffee. Serial No. 528,504, Feb. 10. Class 46.
Ohio Truss Company, The, Cincinnati, Ohio, now by change of name Surgical Appliance Industries, Inc. Hernia trusses. Serial No. 520,892, Feb. 10. Class 44.
Patterson, Doris G., San Francisco, Calif. Fresh vegetables. Serial No. 525,937, Feb. 10. Class 46.
Peacock, C. D., Inc., Chicago, Ill. Finger rings. Serial No. 525,671, Feb. 10. Class 28.
Penick, S. B., & Company, New York, N. Y. Aromatic chemicals. Serial No. 486,627, Feb. 10. Class 6.
Penola Inc., Chicago, Ill. Refined, semi-refined, and unrefined oils. Serial No. 504,689, Feb. 10. Class 15.
Perkins Soap Company, Springfield, Mass. Mordants. Serial No. 528,886, Feb. 10. Class 6.
Persinger, William G., Burbank, Calif. Shoe holder. Serial No. 511,126, Feb. 10. Class 13.
Phileratt Overcoat Company, Minneapolis, Minn. Men's and women's overcoats. Serial No. 522,388, Feb. 10. Class 39.
Plessner, Paul, Company, The, Detroit, Mich. Preparation used in the treatment of gall bladder, bile duct, and liver disturbances. Serial No. 529,820, Feb. 10. Class 6.
Plessner, Paul, Company, The, Detroit, Mich. Multiple vitamin supplement. Serial No. 529,821, Feb. 10. Class 6.
Pogue, H. & S., Company, The, Cincinnati, Ohio. Men's outer shirts. Serial No. 523,583, Feb. 10. Class 39.
Procter & Gamble Company, The, Cincinnati, Ohio. Soluble cleaner, cleanser, and detergent. Serial No. 527,608, Feb. 10. Class 4.
Procter & Gamble Company, The, Cincinnati, Ohio. Soluble cleaner, cleanser, and detergent. Serial No. 527,679, Feb. 10. Class 4.
Quiletole Company: See—
Rouse, Ralph M.
R & H Laboratories, Detroit, Mich. Therapeutic agent. Serial No. 503,327, Feb. 10. Class 6.
Red Rock Beverage Co.: See—
Lamont, Robert.

LIST OF TRADE-MARK APPLICANTS

Remington Corporation, Cortland, N. Y. Room air conditioning units. Serial No. 506,837, Feb. 10. Class 34.
Rich Guild Shirt Company, New York, N. Y. Men's outer shirts. Serial No. 515,635, Feb. 10. Class 39.
Rich Guild Shirt Company, New York, N. Y. Men's sport shirts and dress shirts. Serial No. 518,980, Feb. 10. Class 39.
Richards, Inc., Wheeling, W. Va. Men's and boys' suits, coats, and jackets. Serial No. 525,249, Feb. 10. Class 39.
Roddenberry-Mollica Company, Delano, Calif. Fresh grapes and melons. Serial No. 509,602, Feb. 10. Class 46.
Rollo Equipment, Inc., New York, N. Y. Body massaging apparatus. Serial No. 496,732, Feb. 10. Class 44.
Rouse, Ralph M., doing business as Quiletole Company, Spartanburg, S. C. Lubricating oil. Serial No. 514,911, Feb. 10. Class 15.
Saginaw Manufacturing Company, York, Pa. Men's and boys' dress, negligee, work, and polo shirts and jackets. Serial No. 525,253, Feb. 10. Class 39.
St. Pierre Chain Corporation, Worcester, Mass. Side chain fasteners. Serial No. 518,692, Feb. 10. Class 13.
Saunders, Joseph B., doing business as Triangle Refineries, Houston, Tex. Petroleum products. Serial No. 505,625, Feb. 10. Class 15.
Scallon, Frank J., doing business as The Midget Louver Company, Norwalk, Conn. Ventilating louvers for use on building. Serial No. 520,972, Feb. 10. Class 34.
Scharff, Aaron R., Memphis, Tenn. Women's dresses, blouses, waists, etc. Serial No. 489,491, Feb. 10. Class 39.
Schoonmaker Laboratories, Inc., Caldwell, N. J. Preparation for the treatment of piles. Serial No. 528,515, Feb. 10. Class 6.
Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. Serial No. 503,330, Feb. 10. Class 32.
Sheffield Farms Company, Inc., New York, N. Y. Caseln. Serial No. 521,690, Feb. 10. Class 1.
Shlansky, Philip, & Bro., Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 535,088, Feb. 10. Class 39.
Sive, Leonard M., & Associates, Inc., Cincinnati, Ohio. Fur garments and pieces. Serial No. 534,930, Feb. 10. Class 39.
Soil-Off Manufacturing Co., Glendale, Calif. Preparation for removing spots and stains from wearing apparel. Serial No. 509,171, Feb. 10. Class 4.
Staley Milling Company, North Kansas City, Mo. Poultry feed. Serial No. 528,589, Feb. 10. Class 46.
Staley Milling Company, North Kansas City, Mo. Dairy feed. Serial No. 528,590, Feb. 10. Class 46.
Standard Gas Equipment Corporation, Baltimore, Md. Gas cooking stove. Serial Nos. 509,174-7, Feb. 10. Class 34.
Stansen Corporation, The, Chicago, Ill. Water sprinklers for lawns. Serial No. 523,868, Feb. 10. Class 13.
Stewart-Warner Corporation, Chicago, Ill. Radio receivers, electric phonographs, and radio-phonograph combinations. Serial No. 487,918, Feb. 10. Class 21.
Stores Publishing Co. Inc., New York, N. Y. Magazine issued monthly. Serial No. 527,326, Feb. 10. Class 38.
Surgical Appliance Industries, Inc.: See—
Ohio Truss Company, The.
Texas Company, The, New York, N. Y. Lubricating and hydraulic oils. Serial No. 522,199, Feb. 10. Class 15.
Thermoid Company, Trenton, N. J. Carpets and rugs. Serial No. 531,543, Feb. 10. Class 42.

Thompson's Sporting Goods, New London, Conn. Fishing tackle. Serial No. 528,656, Feb. 10. Class 22.
Thornton Venetian Blind Manufacturing Company, Hot Springs, Ark. Venetian blinds. Serial No. 522,842, Feb. 10. Class 32.
3 Sisters' Cottage Inn, Dover, N. J. Preparations of wheat and corn flour, sugar, cinnamon, etc. Serial No. 506,785, Feb. 10. Class 46.
Tramarc's Valley of Health, Denver, Colo. Fresh peaches, apples, celery, etc. Serial No. 512,629, Feb. 10. Class 48.
Triangle Publications, Inc., Philadelphia, Pa. Newspaper articles and columns. Serial No. 528,828, Feb. 10. Class 38.
Triangle Refineries: See—
Saunders, Joseph B.
Trubenizing Process Corporation, New York, N. Y. Men's collars. Serial No. 519,043, Feb. 10. Class 39.
Trubenizing Process Corporation, New York, N. Y. Outer shirts, collars, and cuffs. Serial No. 520,591, Feb. 10. Class 39.
United Device Corporation, New York, N. Y. Wooden carving trays. Serial No. 511,844, Feb. 10. Class 2.
United Merchants and Manufacturers, Inc., New York, N. Y. Piece goods. Serial No. 509,052, Feb. 10. Class 42.
United Welding and Construction Company, Inc., Philadelphia, Pa. Domestic water boilers and heaters. Serial No. 504,225, Feb. 10. Class 34.
United Welding and Construction Company, Inc., Philadelphia, Pa. Domestic water boilers and heaters using oil or gas. Serial No. 504,645, Feb. 10. Class 34.
U. S. Industrial Chemicals, Inc., New York, N. Y. Organosilicon compounds. Serial No. 499,869, Feb. 10. Class 1.
Universal Camera Corporation, New York, N. Y. Photographic shutters. Serial No. 518,571, Feb. 10. Class 26.
Vanderbilt, R. T., Co. Inc., New York, N. Y. Rubber accelerators. Serial No. 530,875, Feb. 10. Class 6.
Van-Guard Company, The: See—
Jones, Katharine L.
Vol Crepe Limited, Glosop, England. Soles for boots, shoes, and slippers. Serial No. 516,879, Feb. 10. Class 39.
Westerfield Pharmacal Co., Inc., Dayton, Ohio. Chemical test set. Serial No. 520,430, Feb. 10. Class 44.
Western Waterproofing Company, St. Louis, Mo. Cementitious materials. Serial No. 527,350, Feb. 10. Class 12.
Wilson Sporting Goods Co., Chicago, Ill. Golf clubs. Serial No. 510,632, Feb. 10. Class 22.
Winn Products Corporation, Newport News, Va. Type-writer cleaning fluids. Serial No. 510,989, Feb. 10. Class 4.
Wireway Looms Company, Charles River, Mass. Woven metal ornamental grille work and wire cloth and netting. Serial No. 521,375, Feb. 10. Class 13.
Wolff, George, San Francisco, Calif. Non-alcoholic, non-creal, maltless beverages. Serial No. 506,717, Feb. 10. Class 46.
Wright's Underwear Corporation, New York, N. Y. Men's, boys', ladies', and children's underwear. Serial No. 531,412, Feb. 10. Class 39.
Wright's Underwear Corporation, New York, N. Y. Men's, boys', women's, and children's underwear; sweaters, ski suits, play suits, etc. Serial No. 531,568, Feb. 10. Class 39.
Yoshioka Bros., doing business as Hillview Farm, San Jose, Calif. Fresh vegetables, fresh berries. Serial No. 508,829, Feb. 10. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Hardware Mfg. Corp'n., by Ace Manufacturing Corporation, Philadelphia, Pa. Knife sharpeners. 197,620, Apr. 21, 1925. Republished Feb. 10. Class 23.
Ace Hardware Mfg. Corp'n., by Ace Manufacturing Corporation, Philadelphia, Pa. Kitchen utensil. 198,148, May 5, 1925. Republished Feb. 10. Class 23.
Ace Manufacturing Corporation: See—
Ace Hardware Mfg. Corp'n.
Alaj Corporation, The, New York, N. Y. Vermouth. 323,810, Apr. 30, 1935. Canceled Jan. 9, 1948. Feb. 10. Class 47.
Allied Chemical & Dye Corporation: See—
National Aniline & Chemical Company, Incorporated.
American Cyanamid Company, New York, N. Y. Veterinary preparations. 436,536, Feb. 10; Serial No. 520,432, published Nov. 11, 1947. Class 6.
American Fork & Hoe Company, The: See—
Kelly Axe & Tool Co., Inc.
American Fork and Hoe Company, The: See—
Skelton Shovel Co., Inc.
American Oak Leather Company, The, Cincinnati, Ohio. Leather. 204,931, Oct. 27, 1925. Republished Feb. 10. Class 1.
American Steel & Wire Company of New Jersey, Cleveland, Ohio. Woven-wire fencing. 144,096, re-renewed Jan. 5, 1948. O. G. Feb. 10. Class 13.

Ames Company, Inc., Elkhart, Ind. Preparation used as hypnotic, sedative, and anesthetic. 436,520, Feb. 10; Serial No. 518,644, published Nov. 11, 1947. Class 6.
Ames Company, Inc., Elkhart, Ind. Hypnotic agent for rectal administration. 436,521, Feb. 10; Serial No. 518,645, published Nov. 11, 1947. Class 6.
Antique Shoppe, The: See—
Rubicon, Inc.
Arden, Elizabeth, Sales Corporation: See—
Lewis, Florence N.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Bubble bath preparation. 436,554, Feb. 10; Serial No. 521,990, published Nov. 11, 1947. Class 6.
Armstrong Cork Company: See—
Armstrong Cork & Insulation Company.
Armstrong Cork & Insulation Company, Pittsburgh, Pa., by Armstrong Cork Company, Mannheim Township, Lancaster County, Pa. Heat-insulating materials. 194,016, Jan. 13, 1925. Republished Feb. 10. Class 12.
Armstrong Grocery Company, Sharon, Pa. Matches. 436,516, Feb. 10; Serial No. 518,584, published Nov. 11, 1947. Class 9.
Arn, Ernest J., Belleville, N. J. Aromatic oils. 436,558, Feb. 10; Serial No. 522,451, published Nov. 11, 1947. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Artigas, Enrique R.: See—
Vidal, Buenaventura R., and Astigas.
Ashland Rubber Works: See—
Faultless Rubber Company, The.
Associated Merchandising Corporation, New York, N. Y.
Misses' and girls' dresses, coats, suits, etc. 436,408,
Feb. 10; Serial No. 488,684, published Oct. 29, 1946.
Class 39.
Atlantic Mills, The, Olneyville, R. I., to A. D. Julliard &
Co., Inc., New York, N. Y. Woolen dress goods.
233,565, renewed Oct. 4, 1947. O. G. Feb. 10. Class
42.
Austein Classics Inc., New York, N. Y. Women's, misses',
and girls' apparel. 436,474, Feb. 10; Serial No. 513,231,
published Oct. 21, 1947. Class 39.
Automatic Canteen Company of America, Chicago, Ill.
Sandwiches. 436,447, Feb. 10; Serial No. 508,509,
published Nov. 4, 1947. Class 46.
Auto-Wrap Corporation, New York, N. Y. Merchandise
envelopes and paper bags. 436,433, Feb. 10; Serial
No. 504,596, published Nov. 18, 1947. Class 2.
Bagger, Elmer G., New York, N. Y., to Granat Bros., Inc.,
San Francisco, Calif. Finger rings. 204,435, renewed
Oct. 20, 1945. O. G. Feb. 10. Class 28.
Bailey, George S., Hat Company, Inc., also doing business
as Bailey of Hollywood, Los Angeles, Calif. Men's
hats. 436,498, Feb. 10; Serial No. 517,605, published
Nov. 11, 1947. Class 39.
Bailey of Hollywood: See—
Bailey, George S., Hat Company, Inc.
Barblizon Corporation, The, New York, N. Y. Ladies' slippers.
436,532-3, Feb. 10; Serial Nos. 520,083-4, published
Nov. 11, 1947. Class 39.
Bates, C. J., & Son, Chester, Conn. Steel in rod, wire,
sheet, etc., form. 436,434, Feb. 10; Serial No. 504,733,
published Nov. 4, 1947. Class 14.
Beacon Looms, Inc., New York, N. Y. Window curtains.
436,540, Feb. 10; Serial No. 525,285, published Nov.
4, 1947. Class 42.
Bemis Bro. Bag Company, St. Louis, Mo. Burlap bags.
169,435, June 19, 1923. Republished Feb. 10. Class 2.
Benjamin Electric Manufacturing Company, Des Plaines,
Ill. Vitreous porcelain enameling on metals and metal
castings, etc. 203,830, Sept. 29, 1925. Republished
Feb. 10. Class 14.
Blick & Co., Inc., Reading, Pa. Neutral dyeing acid
dyestuff. 436,528, Feb. 10; Serial No. 519,722, pub-
lished Nov. 11, 1947. Class 6.
Blackman & Conrad Limited, London, England. Gowns,
dresses, and two-piece suits. 436,522, Feb. 10; Serial
No. 518,715, published Oct. 14, 1947. Class 39.
Bliss & Laughlin, Inc., Harvey, Ill. Cold finished bar
steels. 436,537, Feb. 10; Serial No. 520,440, published
Nov. 11, 1947. Class 14.
Bodie-Hoover Petroleum Corporation, Chicago, Ill. Lubri-
cating oils and greases. 238,453, renewed Feb. 7, 1948.
O. G. Feb. 10. Class 15.
Bradshaw and Moore, Limited, Manchester, England.
Cotton piece goods. 201,990, Aug. 11, 1925. Canceled
Jan. 15, 1948. O. G. Feb. 10. Class 42.
Bram Scott & Co., New York, N. Y. Handkerchiefs.
436,525, Feb. 10; Serial No. 519,420, published Nov.
11, 1947. Class 39.
Bromley, John, & Sons, Inc., Philadelphia, Pa. Lace win-
dow curtains and lace dinner cloths. 436,503, Feb.
10; Serial No. 517,825, published Nov. 11, 1947. Class
42.
Bushmill Wine & Products Company, Inc., Scranton, Pa.
Whiskey. 314,614, July 3, 1934. Corrected. O. G.
Feb. 10. Class 49.
Butler, Charles D., doing business as Butler Mfg. Co.,
Indianapolis, Ind., to General Motors Corporation,
Detroit, Mich. Pistons. 228,622, renewed June 7,
1947. O. G. Feb. 10. Class 23.
Butler Mfg. Co.: See—
Butler, Charles D.
C-J Scarf & Novelty Co., New York, N. Y. Women's and
misses' ensembles. 436,486, Feb. 10; Serial No. 515,939,
published Nov. 4, 1947. Class 39.
Cargill, Incorporated, Minneapolis, Minn. Corn seed.
436,445, Feb. 10; Serial No. 508,367, published July
1, 1947. Class 1.
Carolus Manufacturing Company, Sterling, to Manco Mfg.
Co., Bradley, Ill. Wire clippers, bolt cutters, and nut
splitters. 235,882, renewed Nov. 29, 1947. O. G. Feb.
10. Class 23.
Caron Corporation, assignee: See—
Daltroff, E., & Cie.
Celanese Corporation of America, New York, N. Y. Piece
goods. 436,416, Feb. 10; Serial No. 497,295, published
Nov. 4, 1947. Class 42.
Celanese Corporation of America, New York, N. Y. Piece
goods made of cellulose acetate type yarns alone and
in admixture. 436,564, Feb. 10; Serial No. 523,367,
published Nov. 11, 1947. Class 42.
Certification Commission Drugs-Chemicals, Inc., Washing-
ton, D. C., and New York, N. Y. Systemic tonic.
436,557, Feb. 10; Serial No. 522,361, published Nov. 11,
1947. Class 6.

Cherubino Petti & Company, Inc., Philadelphia, Pa.
Misses' and women's cloth coats and suits. 436,509,
Feb. 10; Serial No. 518,169, published Nov. 11, 1947.
Class 39.
Chicago Pharmacal Company, Chicago, Ill. Preparation
for the treatment of antiarthritic and antirheumatic
conditions. 395,676, June 22, 1942. Canceled Jan. 15,
1948. O. G. Feb. 10. Class 6.
Cleveland Pharmaceutical Company, The, Cleveland,
Ohio. Ointment salves. 436,565, Feb. 10; Serial No.
523,459, published Nov. 11, 1947. Class 6.
Cluett, Peabody & Co., Inc., Troy, N. Y. Men's shorts.
436,490, Feb. 10; Serial No. 516,113, published Nov. 11,
1947. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods of
cotton, wool, rayon, etc. 436,563, Feb. 10; Serial No.
523,243, published Nov. 11, 1947. Class 42.
Collins, C. M., Dodge Center, Minn. Fresh eggs. 436,500,
Feb. 10; Serial No. 517,705, published Nov. 4, 1947.
Class 46.
Colt's Manufacturing Company, Hartford, Conn. Fire-
arms. 436,574, Feb. 10; Serial No. 524,953, published
Nov. 11, 1947. Class 9.
Columbia Garment Company, Inc., Portland, Oreg. Cloth-
ing. 436,595, Feb. 10. Class 39.
Concordia-Gallia Corporation, New York, N. Y. Textile
fabrics in the piece. 436,581, Feb. 10; Serial No.
525,299, published Nov. 4, 1947. Class 42.
Cone Export & Commission Co., Inc., New York, N. Y.
Water repellent textile cloth. 436,481, Feb. 10; Serial
No. 514,014, published Nov. 11, 1947. Class 42.
Consolidated Royal Chemical Corporation, Chicago, Ill.
Antiseptic. 436,400, Feb. 10; Serial No. 470,707, pub-
lished Nov. 11, 1947. Class 6.
Continental Mills, Inc., Philadelphia, Pa. Overcoats, top-
coats, coats, etc. 436,552, Feb. 10; Serial No. 521,855,
published Nov. 11, 1947. Class 39.
Converted Rice, Inc., Houston, Tex. Rice. 436,523, Feb.
10; Serial No. 518,876, published Nov. 11, 1947. Class
46.
Cooke, Mary E., doing business as Mme. M. E. Cook's,
Los Angeles, Calif. Hair dressing. 436,480, Feb. 10;
Serial No. 513,805, published Nov. 11, 1947. Class 6.
Cook's, M. E., Mme.: See—
Cooke, Mary E.
Cooley, Incorporated, Pawtucket, R. I. Fireproof awning
fabrics in the piece. 436,476, Feb. 10; Serial No.
513,296, published Nov. 11, 1947. Class 42.
Corn Products Refining Company, New York, N. Y.
Gluten feed. 436,453, Feb. 10; Serial No. 509,140,
published Nov. 11, 1947. Class 46.
Country Gardens, Inc.: See—
Gillett Canning Company.
Crespin, J., & M. Laurens-Frings & Cie., Paris, France.
Perfumes and toilet waters. 436,455, Feb. 10; Serial
No. 509,399, published Nov. 11, 1947. Class 6.
Crown Willamette Paper Company, by Crown Zellerbach
Corporation, also doing business as Crown Willamette
Paper Company, San Francisco, Calif. Paper bags.
202,285, Aug. 18, 1925. Republished Feb. 10. Class 2.
Crown Zellerbach Corporation: See—
Crown Willamette Paper Company.
National Paper Products Company.
Crucible Steel Company of America, New York, N. Y.
Rolled, drawn or forged steel rods, bars, plated, etc.
436,576, Feb. 10; Serial No. 525,069, published Nov. 4,
1947. Class 14.
Cudahy Packing Company, The: See—
Cudahy Packing Co., The.
Cudahy Packing Co., The, Chicago, Ill. and South Omaha,
Nebr., to The Cudahy Packing Company, Chicago, Ill.
Scouring soap. 68,007, re-renewed Mar. 3, 1948. O. G.
Feb. 10. Class 4.
Cudahy Packing Co., The, Chicago, Ill. and South Omaha,
Nebr., to The Cudahy Packing Company, Chicago, Ill.
Abrasive soap. 68,213, re-renewed Mar. 17, 1948. O. G.
Feb. 10. Class 4.
Cummings-Moore Graphite Company, Detroit, Mich.
Amorphous graphite ores, pulverized Mexican, ceylon
and artificial graphites, etc. 436,546, Feb. 10; Serial
No. 521,503, published Nov. 11, 1947. Class 1.
Daltroff, E., & Cie., doing business as Parfumerie Caron,
assignor to Caron Corporation, Paris, France, by Caron
Corporation, New York, N. Y. Perfume. 172,520,
Sept. 4, 1923. Republished Feb. 10. Class 6.
Daltroff, E., & Cie., doing business as Parfumerie Caron,
assignor to Caron Corporation, Paris, France, by Caron
Corporation, New York, N. Y. Perfume, toilet water.
172,538, Sept. 4, 1923. Republished Feb. 10. Class 6.
Daltroff, E., & Cie., doing business as Parfumerie Caron,
assignor to Caron Corporation, Paris, France, by Caron
Corporation, New York, N. Y. Perfume. 172,539,
Sept. 4, 1923. Republished Feb. 10. Class 6.
Dan River Mills, Incorporated: See—
Riverside & Dan River Cotton Mills, Inc.
Daumit, Kay, Chicago, Ill., assignor by mesne assign-
ment to Kay Daumit, Inc., Jersey City, N. J. Face
powder, talcum powder, lip and face rouges, etc.
436,431, Feb. 10; Serial No. 503,975, published Nov. 11,
1947. Class 6.
Daumit, Kay, Inc.: See—
Daumit, Kay.

LIST OF REGISTRANTS OF TRADE-MARKS

David, Elmer, Company: See—
Helm, David S.
Deal, Paul E., doing business as The Paula Shops, Miami,
Fla. Brassieres. 436,495, Feb. 10; Serial No. 516,676,
published Oct. 7, 1947. Class 39.
Deltor Rug Company, Oshkosh, Wis. Fibre rugs and
floor mats of fibre. 436,549, Feb. 10; Serial No.
521,726, published Nov. 4, 1947. Class 42.
Demarest, Charles H., Inc., New York, N. Y. Chinese
flash crackers. 436,504, Feb. 10; Serial No. 517,978,
published Nov. 4, 1947. Class 9.
De Raymond: See—
Fay, Edward J.
Developers Corporation: See—
Midwest Manufacturing and Engineering Corp.
Dirt-Kut Company, The, Springfield, Ohio, to The S. O. S.
Company, Chicago, Ill. Product composed of steel wool
and soap. 231,818, renewed Aug. 30, 1947. O. G. Feb.
10. Class 4.
Dixie Sportswear Company: See—
Marshall, Mal.
Doniger, David D., & Co., Inc., New York, N. Y. Men's
and boys' sweaters. 436,484, Feb. 10; Serial No.
515,546, published Nov. 11, 1947. Class 39.
Doucet, Inc., New York, N. Y. Textile fabrics in the
piece. 436,482, Feb. 10; Serial No. 514,108, published
Nov. 11, 1947. Class 42.
Douglass, R. L., doing business as R. L. Douglass Co., to
R. L. Douglass Co., East Grand Forks, Minn. Raw
potatoes. 226,500, renewed Apr. 12, 1947. O. G.
Feb. 10. Class 46.
Douglass, R. L. Co.: See—
Douglass, R. L.
Dow Corning Corporation, Midland, Mich. Synthetic
organosilanes, organosilicon halides, organosilicon
esters organosilanes. 436,450, Feb. 10; Serial No.
508,584, published Nov. 11, 1947. Class 6.
Duncan, Gerry, New York, N. Y. Ladies' and misses'
dresses, suits, coats, etc. 436,465, Feb. 10; Serial No.
511,458, published Nov. 4, 1947. Class 39.
Duplan Corporation, The: See—
Duplan Silk Corporation.
Duplan Silk Corporation, to The Duplan Corporation,
New York, N. Y. Piece goods of silk, rayon and mixture
of these materials. 233,838, renewed Oct. 11, 1927.
O. G. Feb. 10. Class 42.
Duplex Fabrics Corporation, New York, N. Y. Rayon
piece goods. 436,553, Feb. 10; Serial No. 521,864,
published Nov. 4, 1947. Class 42.
Dutchess Underwear Corporation, New York, N. Y.
Women's and girls' nightgowns, pajamas, slippers, etc.
436,510, Feb. 10; Serial No. 518,209, published Oct. 14,
1947. Class 39.
Eagle Rock Knitting Mills, Inc., Singac, N. J. Hosiery.
436,477, Feb. 10; Serial No. 513,391, published Nov. 11,
1947. Class 39.
Eagle-Ottawa Leather Company, Grand Haven, Mich.
Leather. 436,596, Feb. 10. Class 1.
Edelson and Sons, Inc., New York, N. Y., and Philadelphia,
Pa. Women's outer garments. 436,473, Feb. 10; Serial
No. 513,103, published Oct. 21, 1947. Class 39.
Edox Shoe Company, The: See—
Strub, Theodore F.
Ellinwood Industries: See—
National Machine Products.
Elmo, Inc., Philadelphia, Pa. Preparation for treating
and coloring eyelashes and eyebrows. 238,237, renewed
Jan. 31, 1948. O. G. Feb. 10. Class 6.
Fabil Mfg. Corp., New York, N. Y. Boys' neckwear, gar-
ment belts, suspenders, etc. 436,411, Feb. 10; Serial
No. 493,184, published Oct. 21, 1947. Class 39.
Faré, Roger, Paris, France. Gloves. 436,460, Feb. 10;
Serial No. 510,667, published Oct. 14, 1947. Class 39.
Farmer Seed & Nursery Company, Fairbault, Minn. Plant
starter and fertilizer. 436,561, Feb. 10; Serial No.
522,865, published Nov. 4, 1947. Class 10.
Faultless Rubber Company, The, also doing business as
Ashland Rubber Works, Ashland, Ohio. Household rub-
ber gloves. 436,501, Feb. 10; Serial No. 517,712, pub-
lished Nov. 4, 1947. Class 39.
Faultless Rubber Company, The, Ashland, Ohio. House-
hold rubber gloves. 436,550, Feb. 10; Serial No. 521,732,
published Oct. 14, 1947. Class 39.
Fay, Edward J., doing business as De Raymond, to Par-
fumerie De Raymond, New York, N. Y. Perfumes, toilet
water, hair tonic, etc. 239,220, renewed Feb. 28, 1948.
O. G. Feb. 10. Class 6.
Feinstein Knitting Mills, Inc., New York, N. Y. Hair nets.
436,578-9, Feb. 10; Serial Nos. 525,204-5, published
Nov. 11, 1947. Class 39.
Feinstein Knitting Mills, Inc., New York, N. Y. Hair nets.
436,587-8, Feb. 10; Serial Nos. 526,213-14; published
Nov. 11, 1947. Class 39.
Fellows Medical Manufacturing Company, Inc., New York,
N. Y. Preparation for the treatment of asthma.
436,551, Feb. 10; Serial No. 521,806, published Nov. 11,
1947. Class 6.
Fendrich, H., Evansville, Ind. Cigars. 72,271, Jan. 12,
1909. Corrected. O. G. Feb. 10. Class 17.

Fields, Joseph, doing business as Modern-Aire of Holly-
wood, Los Angeles, Calif. Brassieres. 436,466, Feb. 10;
Serial No. 511,460, published Oct. 28, 1947. Class 39.
Fisch & Company: See—
Fisch and Company, Inc.
Fisch and Company, Inc., to Fisch & Company, Los Angeles,
Calif. Felt emblems in the nature of applique. 235,247,
renewed Nov. 15, 1947. O. G. Feb. 10. Class 40.
Fligel, Ben, Co., assignor to Ben Fligel Co. Inc., New York,
N. Y. Infants', girls', misses', and women's play shorts,
swim shorts, beach shirts, etc. 436,462, Feb. 10. Serial
No. 511,077, published Nov. 11, 1947. Class 39.
Fligel, Ben, Co. Inc., assignee: See—
Fligel, Ben, Co.
Floridaire Company, The, Miami, Fla. General household
deodorant. 436,469, Feb. 10; Serial No. 511,992, pub-
lished Nov. 11, 1947. Class 6.
Foreman Fabrics Corp., New York, N. Y. Woven textile
fabrics. 436,442, Feb. 10; Serial No. 507,385, published
Nov. 4, 1947. Class 42.
Forstmann & Huffmann Company, to The Forstmann
Woolen Co., Passaic, N. J. Woolen piece goods. 233,611,
renewed Oct. 4, 1947. O. G. Feb. 10. Class 42.
Forstmann Woolen Co., The: See—
Forstmann & Huffmann Company.
Fortmann, Doscher & Co. Inc., New York, N. Y. Canned
fish, pickled fish, and dry salted fish. 436,468, Feb. 10;
Serial No. 511,740, published Nov. 11, 1947. Class 46.
Fouke Fur Company, St. Louis, Mo. Fur sealskins.
194,582, Feb. 3, 1925. Republished Feb. 10. Class 1.
Franco-Italian Packing Co., to Franco-Italian Packing Co.,
Inc., Terminal Island, Calif. Canned fish. 237,918,
renewed Jan. 24, 1948. O. G. Feb. 10. Class 46.
Franco-Italian Packing Co., Inc.: See—
Franco-Italian Packing Co.
Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics
in the piece. 436,575, Feb. 10; Serial No. 524,971,
published Nov. 11, 1947. Class 42.
Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics
in the piece. 436,586, Feb. 10; Serial No. 525,819,
published Nov. 4, 1947. Class 42.
Fuoss, A. E., by Sanex Inc., Minneapolis, Minn. Vaginal
douche. 208,042, Jan. 19, 1926. Republished Feb. 10.
Class 6.
Garments, Incorporated, Charlotte, N. C. Underwear and
sleeping garments. 436,443, Feb. 10; Serial No. 507,526,
published Oct. 7, 1947. Class 39.
Gelfand, Simon, doing business as Gelfand & Co. (Not Inc.),
Baltimore, Md., to Kraft Foods Company, Chicago, Ill.
Mayonnaise. 239,250, renewed Feb. 28, 1948. O. G.
Feb. 10. Class 46.
General Dyestuff Corporation, New York, N. Y. Dyestuffs.
239,279, renewed Feb. 28, 1948. O. G. Feb. 10. Class 6.
General Motors Corporation: See—
Butler, Charles D.
General Storage Battery Co., St. Louis, Mo., by The Gen-
eral Tire and Rubber Company, Akron, Ohio. Auto-
mobile storage batteries. 200,009, June 23, 1925. Re-
published Feb. 10. Class 21.
General Tire and Rubber Company, The: See—
General Storage Battery Co.
Gillett Canning Company, Gillett, Wis., by Country Gar-
dens, Inc., Milwaukee, Wis. Canned peas and beans.
210,978, Mar. 30, 1926. Republished Feb. 10. Class 46.
Golden Guernsey Farms, Inc., Indianapolis, Ind. Fresh
milk, fresh cream, fresh cultured buttermilk, etc.
436,458, Feb. 10; Serial No. 509,576, published Nov. 4,
1947. Class 46.
Goodman Chemical Co., The, Brooklyn, N. Y. Talcum
powder. 436,427, Feb. 10; Serial No. 501,907, pub-
lished Nov. 11, 1947. Class 6.
Goodman, H., & Sons, Inc., to H. Goodman & Sons, Inc.,
New York, N. Y. Combs, barrettes, nonelectrical hair
wavers. 238,840, renewed Feb. 14, 1948. O. G. Feb. 10.
Class 40.
Goodman, H., & Sons, Inc., to H. Goodman & Sons, Inc.,
New York, N. Y. Combs, barrettes, nonelectrical hair
wavers, etc. 238,896, renewed Feb. 14, 1948. O. G.
Feb. 10. Class 40.
Gorham Manufacturing Company, Providence, R. I. Ster-
ling silver and silver-plated flatware, holloware, and
cutlery. 436,591-3, Feb. 10. Class 28.
Gorton-Pew Fisheries Company Ltd., Gloucester, Mass.
Cured fish. 232,076, renewed Aug. 30, 1947. O. G.
Feb. 10. Class 46.
Gorton-Pew Fisheries Company Ltd., Gloucester, Mass.
Cured fish. 232,672, renewed Sept. 13, 1947. O. G.
Feb. 10. Class 46.
Gorton-Pew Fisheries Company Ltd., Gloucester, Mass.
Dried and salted codfish. 232,673, renewed Sept. 13,
1947. O. G. Feb. 10. Class 46.
Gorton-Pew Fisheries Company Ltd., Gloucester, Mass.
Smoked and dried fish. 232,895, renewed Sept. 20, 1947.
O. G. Feb. 10. Class 46.
Gorton-Pew Fisheries Company Ltd., Gloucester, Mass.
Canned fish. 238,591, renewed Feb. 14, 1948. O. G.
Feb. 10. Class 46.
Gouriell, Inc., New York, N. Y. Lipstick. 436,526-7,
Feb. 10; Serial Nos. 519,650-1, published Nov. 11, 1947.
Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Granat Bros., Inc.: See—
Bagger, Elward G.
Green Bay Clothing Manufacturers, Inc., Green Bay, Wis. Men's, boys', and juveniles' mackinaw coats and jackets, railroad coats, etc. 436,485, Feb. 10; Serial No. 515,551, published Nov. 11, 1947. Class 39.
Green Bay Clothing Manufacturers, Inc., Green Bay, Wis. Men's, boys', and juveniles' mackinaw coats and jackets, leisure garments, etc. 436,535, Feb. 10; Serial No. 520,211, published Oct. 28, 1947. Class 39.
Greenfield Tap and Die Corporation, Greenfield, Mass. Internal-grinding machine. 191,946, Nov. 25, 1924. Republished Feb. 10. Class 23.
Gutmann-Mayer Glove Company, Brooklyn, N. Y. Fabric, leather, and knitted gloves. 436,456, Feb. 10; Serial No. 509,418, published Oct. 28, 1947. Class 39.
Guttman, Joseph, & Bros., New York, N. Y. Ladies' and misses' knitted and fabric jackets. 436,587, Feb. 10; Serial No. 523,680, published Nov. 11, 1947. Class 39.
Hall, Robert, Clothes, Inc., New York, N. Y. Rainwear. 436,507, Feb. 10; Serial No. 518,041, published Nov. 11, 1947. Class 39.
Hansen Glove Corporation: See—
Hansen, O. C., Manufacturing Company.
Hansen, O. C., Manufacturing Company, by Hansen Glove Corporation, Milwaukee, Wis. Men's gloves of leather, fabric, and combinations of the same. 195,034, Feb. 17, 1925. Republished Feb. 10. Class 39.
Happ Brothers Company, Inc., to Happ Brothers Company, Inc., Macon, Ga. Overalls, pants, work and negligee shirts, etc. 235,549, renewed Nov. 22, 1947. O. G. Feb. 10. Class 39.
Happ Brothers Company, Inc.: See—
Happ Brothers Company.
Harvell, Leona B., Birmingham, Ala. Cleansing creams. 429,502, Apr. 29, 1947. Canceled Jan. 15, 1948. O. G. Feb. 10. Class 6.
Harvey, G. F., Company, The, Saratoga Springs, N. Y. Liquid medicinal preparation. 436,572, Feb. 10; Serial No. 524,605, published Nov. 11, 1947. Class 6.
Hat Corporation of America: See—
Knox, Edward M.
Hecker-Jones-Jewell Milling Company, New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat flour. 172,756, Sept. 11, 1923. Republished Feb. 10. Class 46.
Hein, David S., doing business as Elmer David Company, New York, N. Y. Misses' pajamas. 436,415, Feb. 10; Serial No. 496,623, published Oct. 7, 1947. Class 39.
Heinn Company, The, Milwaukee, Wis. Loose-leaf book binders. 235,032-3, renewed Nov. 8, 1947. O. G. Feb. 10. Class 37.
Hirschensohn, Ben, New York, N. Y. Perfumes. 381,898, Oct. 15, 1940. Canceled Jan. 9, 1948. O. G. Feb. 10. Class 6.
Hockaday, Inc.: See—
Morgan Company, The.
Hookless Fastener Company, by Talon, Inc., Meadville, Pa. Separable fasteners. 198,412, May 19, 1925. Republished Feb. 10. Class 13.
Hotze, Henry & Sons Company, St. Louis, Mo. Golf bags. 194,458, Jan. 27, 1925. Republished Feb. 10. Class 22.
House Beautiful Curtains, Inc., New York, N. Y. Window curtains, drapes and curtain and drapery materials, in the piece. 436,582, Feb. 10; Serial No. 525,333, published Nov. 4, 1947. Class 42.
Hoyt, F. M. & Co., Inc.: See—
Hoyt, Frank M.
Hoyt, Frank M., to F. M. Hoyt & Co., Inc., Amesbury, Mass. Peanut butter. 67,578, re-renewed Feb. 11, 1948. O. G. Feb. 10. Class 46.
Humphreys Medicine Company Incorporated, New York, N. Y. Witch hazel. 436,544, Feb. 10; Serial No. 521,391, published Nov. 11, 1947. Class 6.
Hunt-Spiller Manufacturing Corporation, Boston, Mass. Brake drums and brake disks. 239,162, renewed Feb. 21, 1948. O. G. Feb. 10. Class 19.
Illinois Agricultural Association, Chicago, Ill. Automobile tires and tubes. 436,448, Feb. 10; Serial No. 508,526, published Nov. 11, 1947. Class 35.
Inderrieden Canning Co., by The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables, particularly peas and corn. 168,104, May 15, 1923. Republished Feb. 10. Class 46.
Inderrieden, J. B., Co. The: See—
Inderrieden Canning Co.
International Cellucotton Products Company: See—
Kimberly-Clark Company.
International Fire Equipment Corporation, West New Brighton, N. Y. Fire-extinguishing grenades and supports therefor. 235,961, renewed Nov. 29, 1947. O. G. Feb. 10. Class 23.
International Harvester Company, Chicago, Ill. Motor vehicles and particularly motor coaches, busses, and motor trucks, and attachments and parts thereof. 209,775-6, Mar. 2, 1926. Republished Feb. 10. Class 19.
International Shoe Company, St. Louis, Mo. Boots and shoes. 436,517, Feb. 10; Serial No. 518,605, published Oct. 7, 1947. Class 39.

Joffe-Savitt Company, The, Philadelphia, Pa. Dresses, aprons, and make-up capes, etc. 436,436, Feb. 10; Serial No. 505,841, published Oct. 14, 1947. Class 39.
Josey-Miller Co., to Josey-Miller Company, Inc., Beaumont, Tex. Chicken feed. 237,507, renewed Jan. 10, 1948. O. G. Feb. 10. Class 46.
Josey-Miller Company, Inc.: See—
Josey-Miller Co.
Juilliard, A. D., & Co., Inc.: See—
Atlantic Mills, The.
Kabo Corset Company, Chicago, Ill. Brassieres. 436,481, Feb. 10; Serial No. 510,693, published Sept. 30, 1947. Class 39.
Kasar Company: See—
Uzumecki, Bernard.
Kavil, O., A/S.: See—
Westergaard, B. & Co.
Kayser, Julius, & Co., New York, N. Y. Underwear, hosiery and socks. 436,444, Feb. 10; Serial No. 507,531, published Oct. 7, 1947. Class 39.
Kelco Company, San Diego, Calif. Algin compound for use as a hydrophilic colloid. 436,487, Feb. 10; Serial No. 516,023, published Nov. 4, 1947. Class 46.
Kelco Company, San Diego, Calif. Algin composition for use as a hydrophilic colloid. 436,488, Feb. 10; Serial No. 516,024, published Nov. 4, 1947. Class 46.
Kelly Axe & Tool Co., Inc., Charleston, W. Va., and New York, N. Y., to The American Fork & Hoe Company, Cleveland, Ohio. Adzes, axes, bush hooks, etc. 235,939, renewed Nov. 29, 1947. O. G. Feb. 10. Class 23.
Kem-Oil Products Company, assignor to Kem-Oil Products Company, Houston, Tex. Carbon and gum solvent. 436,404, Feb. 10; Serial No. 486,207, published May 21, 1946. Class 6.
Kickernick, Inc., Minneapolis, Minn. Undergarments. 436,471, Feb. 10; Serial No. 512,264, published Oct. 7, 1947. Class 39.
Kickernick, Inc., Minneapolis, Minn. Ladies' and misses' panties and pantie girdles. 436,505, Feb. 10; Serial No. 518,009, published Oct. 14, 1947. Class 39.
Kimberly-Clark Company by Kimberly-Clark Corporation, Neenah, Wis. Sanitary barber neck strips. 195,109, Feb. 17, 1925. Republished Feb. 10. Class 44.
Kimberly-Clark Company, Neenah, Wis., by International Cellucotton Products Company, Chicago, Ill. Absorbent dental rolls and absorbent dental pads. 207,306, Dec. 29, 1925. Republished Feb. 10. Class 44.
Kimberly-Clark Corporation: See—
Kimberly-Clark Company.
King & Co., Incorporated, Indianapolis, Ind. Bacon, sliced bacon, Canadian style bacon, etc. 436,413, Feb. 10; Serial No. 494,751, published Nov. 4, 1947. Class 46.
Kingswear, Inc., New York, N. Y. Piece goods of cotton, silk, rayon, etc. 413,914, May 15, 1945. Canceled Jan. 19, 1948. O. G. Feb. 10. Class 42.
Kirk, James S., & Company, Chicago, Ill., by The Procter & Gamble Company, Cincinnati, Ohio. Shaving soap. 197,230, Apr. 14, 1925. Republished Feb. 10. Class 4.
Klein Hat Corporation, Newark, N. J. Felt hats. 436,594, Feb. 10. Class 39.
Knight, John B., Sr., doing business as Old 97 Company, Tampa, Fla. Vitamin compound and tonic. 436,566, Feb. 10; Serial No. 523,677, published Nov. 11, 1947. Class 6.
Knitted Padding Company, Canton, Mass. Knitted cotton padding, tab pads, and bed pads. 210,127, Mar. 9, 1926. Republished Feb. 10. Class 42.
Knox, Edward M., New York, N. Y., and London, England, to Hat Corporation of America, Norwalk, Conn. Hats and caps. 31,332, re-renewed Mar. 1, 1948. O. G. Feb. 10. Class 39.
Kommanditbolaget Spis- & Knackebrodsfabriken Kronan, Barthel Kock, Sundbyberg, Sweden. Bread. 333,065, Mar. 10, 1936. Canceled Jan. 15, 1948. O. G. Feb. 10. Class 46.
Kraft Foods Company: See—
Gelfand, Simon.
Langley, Bertram A., doing business as Perma-Nail Co., Los Angeles, Calif. Base coat for finger and toe nails. 436,547, Feb. 10; Serial No. 521,525, published Nov. 4, 1947. Class 6.
Langston, Lily E., doing business as Trophotone Laboratories, New York, N. Y. Ointment. 436,559, Feb. 10; Serial No. 522,681, published Nov. 11, 1947. Class 6.
Levine, Louis, & Sons, Inc. of Ohio, Cincinnati, Ohio. Ladies' and misses' dresses, suits, and coats. 436,513, Feb. 10; Serial No. 518,537, published Oct. 14, 1947. Class 39.
Lewis, Florence N., to Elizabeth Arden Sales Corporation, New York, N. Y. Skin lotions and creams, reducing lotion, bleach cream, etc. 153,598, renewed Jan. 5, 1948. O. G. Feb. 10. Class 6.
Lewis, Florence N., to Elizabeth Arden Sales Corporation, New York, N. Y. Face powder. 162,163, renewed Jan. 5, 1948. O. G. Feb. 10. Class 6.
Lewis-Hubbard Corporation, Charleston, W. Va. Canned fruits and packaged dried fruits, etc. 436,439, Feb. 10; Serial No. 506,951, published Nov. 11, 1947. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Lime Cola Co., to Lime Cola Company, Inc., Montgomery, Ala. Non-alcoholic maltless extract and non-alcoholic maltless flavoring-syrup. 146,652, re-renewed Jan. 5, 1948. O. G. Feb. 10. Class 45.
Lime Cola Company, Inc.: See—
Lime Cola Co.
Linde Air Products Company, The, New York, N. Y. Metal servicing tanks for liquefied gases, metal storage tanks; and metal transport tanks. 436,405, Feb. 10; Serial No. 486,718, published Nov. 18, 1947. Class 2.
Little Countess Girls' Coats, Inc., New York, N. Y. Girls' children's and infants' coats, combination coat and legging sets, etc. 436,437, Feb. 10; Serial No. 506,327, published Nov. 11, 1947. Class 39.
Loft Candy Company, Long Island City, N. Y. Candy. 436,543, Feb. 10; Serial No. 521,350, published Nov. 4, 1947. Class 46.
Loomtogs, Inc., New York, N. Y. Infants', toddlers', children's, etc., aprons, bathing suits, bathrobes, etc. 436,459, Feb. 10; Serial No. 509,710, published Oct. 28, 1947. Class 39.
Loose-Wiles Biscuit Company, to Sunshine Biscuits, Inc., Long Island City, N. Y. Biscuits. 236,249, renewed Dec. 6, 1947. O. G. Feb. 10. Class 46.
Loose-Wiles Biscuit Company, to Sunshine Biscuits, Inc., Kansas City, Mo. Fig bars. 236,250, renewed Dec. 6, 1947. O. G. Feb. 10. Class 46.
MacGregor & Co.: See—
MacGregor, Thorvald H.
MacGregor, Thorvald H., doing business as MacGregor & Co., New York, N. Y. Cold cream, finishing and beautifying cream, toilet cream, etc. 436,463, Feb. 10; Serial No. 511,172, published Nov. 11, 1947. Class 6.
Machinery and Machine Supplies Company, Inc., assignee: See—
Schaller, Rose.
Machinery Supplies Company: See—
Schaller, Rose.
Magnolia Metal Company, Elizabeth, N. J. Babbitt bearing, and antifriction metals and alloys. 168,189, May 15, 1923. Republished Feb. 10. Class 14.
Manchester Knitted Fashions, Inc., Manchester, N. H. Knitted wearing apparel. 436,555, Feb. 10; Serial No. 522,049, published Nov. 11, 1947. Class 39.
Manco Mfg. Co.: See—
Carolus Manufacturing Company.
Marchant Calculating Machine Company, Oakland, to Marchant Calculating Machine Company, Emeryville, Calif. Calculating-machines. 149,592, renewed Jan. 5, 1948. O. G. Feb. 10. Class 26.
Marion Power Shovel Company, The: See—
Marion Steam Shovel Company, The.
Marion Steam Shovel Company, The, to The Marion Power Shovel Company, Marion, Ohio. Monthly magazine. 234,195, renewed Oct. 18, 1947. O. G. Feb. 10. Class 38.
Marshall Field & Company, Chicago, Ill. Sheets and pillowcases. 169,991, July 10, 1923. Republished Feb. 10. Class 42.
Marshall, Mal, doing business as Dixie Sportswear Company, Miami, Fla. Men's jacket type blouse. 436,491, Feb. 10; Serial No. 516,491, published Oct. 14, 1947. Class 39.
Marx & Newman Company, Inc., New York, N. Y. Shoes. 436,446, Feb. 10; Serial No. 508,486, published Nov. 11, 1947. Class 39.
Mason Box Company, The, Attleboro Falls, Mass. Paper and cardboard boxes and wrappers. 200,835, July 14, 1925. Republished Feb. 10. Class 2.
Mason Box Company, The, Attleboro Falls, Mass. Publications. 282,770, Apr. 28, 1931. Canceled Jan. 13, 1948. O. G. Feb. 10. Class 38.
Mason, Sally, New York, N. Y. Children's, girls', teenage girls', ladies', and misses' dresses, blouses, skirts, etc. 436,489, Feb. 10; Serial No. 516,085, published Nov. 4, 1947. Class 39.
Maughan, Alice, doing business as Alys Maughan, Pasadena, Calif. Preparation for the treatment of the scalp and hair. 436,556, Feb. 10; Serial No. 522,242, published Nov. 11, 1947. Class 6.
Maughan, Alys: See—
Maughan, Alice.
Mayer-Nock Company, The, Philadelphia, Pa. Children's dresses. 428,286, Aug. 27, 1946. Canceled Jan. 14, 1948. O. G. Feb. 10. Class 39.
Mayer-Nock Company, The, Philadelphia, Pa. Children's dresses. 428,378, Aug. 27, 1946. Canceled Jan. 14, 1948. O. G. Feb. 10. Class 39.
Mayer-Nock Company, The, Philadelphia, Pa. Children's dresses. 436,429, Feb. 10; Serial No. 503,458, published Nov. 5, 1946. Class 39.
McCollum Holst & Mfg. Co., Downers Grove, Ill. Electric driven portable hoist. 287,174, renewed Jan. 8, 1948. O. G. Feb. 10. Class 21.
McKie, Joy I., Seattle, Wash. Women's hats. 436,499, Feb. 10; Serial No. 517,649, published Nov. 11, 1947. Class 39.
McLaughlin-Slugg, Milwaukee, Wis. Lighter fluid. 436,449, Feb. 10; Serial No. 508,538, published Nov. 11, 1947. Class 6.

McPartland, Andrew J., New Haven, Conn. Electric storage batteries. 328,257, July 23, 1935. Canceled Jan. 15, 1948. O. G. Feb. 10. Class 21.
Meier, Fred, Butte, Mont. Beauty products. 436,502, Feb. 10; Serial No. 517,733, published Nov. 11, 1947. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Nose drop and nasal spray. 436,560, Feb. 10; Serial No. 522,757, published Nov. 11, 1947. Class 6.
Meyers, J. A., & Co. Inc., Los Angeles, Calif. Jewelry. 436,441, Feb. 10; Serial No. 507,136, published Nov. 11, 1947. Class 28.
Midwest Manufacturing and Engineering Corp., Boston, Mass., and New York, N. Y., assignor to Developers Corporation, Boston, Mass. Boxes. 436,414, Feb. 10; Serial No. 495,084, published Nov. 18, 1947. Class 2.
Mills, James L., Kinston, N. C. Preparation for the treatment of the scalp. 436,562, Feb. 10; Serial No. 523,161, published Nov. 11, 1947. Class 6.
Modern-Aire of Hollywood: See—
Fields, Joseph.
Moran, E. J., Co., Boston, Mass. Amino acid dietary supplement and therapeutic medicine. 436,497, Feb. 10; Serial No. 517,422, published Nov. 11, 1947. Class 6.
Morgan Company, The, Peoria, to Hockaday, Inc., Chicago, Ill. Paste paint. 235,266, renewed Nov. 15, 1947. O. G. Feb. 10. Class 16.
Moss Company, The, Rochester, N. Y. Preparation for removing warts, corns, and calli. 436,425, Feb. 10; Serial No. 500,115, published Nov. 11, 1947. Class 6.
Multi-Facet Diamond Corporation, New York, N. Y. Piece goods of cotton, wool, rayon, etc. 436,470, Feb. 10; Serial No. 512,082, published Nov. 4, 1947. Class 42.
Mundet Cork Corporation, New York and Brooklyn, N. Y. Raw cork and cut cork. 436,548, Feb. 10; Serial No. 521,591, published Nov. 11, 1947. Class 1.
National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 233,018, renewed Sept. 20, 1947. O. G. Feb. 10. Class 6.
National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 233,059, renewed Sept. 20, 1947. O. G. Feb. 10. Class 6.
National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 235,641, renewed Nov. 22, 1947. O. G. Feb. 10. Class 6.
National Cranberry Association: See—
United Cape Cod Cranberry Company, The.
National Machine Products, doing business as Ellinwood Industries, Los Angeles, Calif. Two-wheel garden tractors. 436,421, Feb. 10; Serial No. 499,070, published Nov. 4, 1947. Class 23.
National Paper Products Company, by Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue paper. 191,508, Nov. 11, 1924. Republished Feb. 10. Class 37.
National Steel Construction Co., Seattle, Wash. Septic tanks and parts thereof. 436,412, Feb. 10; Serial No. 498,804, published Nov. 18, 1947. Class 2.
New Home Sewing Machine Company, The, Orange, Mass., assignor to The New Home Sewing Machine Company, to The New Home Sewing Machine Company, Rockford, Ill. Sewing-machines and attachments. 60,078, re-renewed Jan. 29, 1947. O. G. Feb. 10. Class 23.
Northwestern Consolidated Milling Company, The, Minneapolis, Minn., by Standard Milling Company, Chicago, Ill. Wheat flour. 167,627, May 1, 1923. Republished Feb. 10. Class 46.
North Western Expanded Metal Company, to United States Gypsum Company, Chicago, Ill. Expanded-metal laths. 232,949, renewed Sept. 20, 1947. O. G. Feb. 10. Class 12.
Obermayer, S., Company, The, Chicago, Ill. Plumbago. 195,842, Mar. 3, 1925. Republished Feb. 10. Class 1.
Old 97 Company: See—
Knight, John B., Sr.
Omniun Arts et Industrie, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. 436,584, Feb. 10; Serial No. 525,660, published Nov. 11, 1947. Class 6.
Organic Chemicals Corporation, Frederick, Md. Insecticide; insecticide concentrate; barn insecticide; etc. 436,524, Feb. 10; Serial No. 519,411, published Nov. 11, 1947. Class 6.
Pacemakers, Inc., New York, N. Y. Ladies' and misses' slips and nightgowns. 436,542, Feb. 10; Serial No. 521,286, published Nov. 11, 1947. Class 39.
Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. 486,418, Feb. 10; Serial No. 497,962, published Nov. 4, 1947. Class 42.
Padi Clothes Company, Philadelphia, Pa. Men's clothing. 436,454, Feb. 10; Serial No. 509,238, published Oct. 7, 1947. Class 39.
Palmer Candy Company: See—
Palmer Candy Co.

Palmer Candy Co., to E. C., W. B., and W. E. Palmer, trustees of the W. B. Palmer estate, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 238,721, renewed Feb. 14, 1948. O. G. Feb. 10. Class 46.

Palmer, E. C., trustee, et al.: See—
Palmer Candy Co.

Palmer, W. B., estate: See—
Palmer Candy Co.

Palmer, William B., trustee, et al.: See—
Palmer Candy Co.

Palmer, Winogene E., trustee, et al.: See—
Palmer Candy Co.

Paramount Wedding Ring Company, Chicago, Ill. Wedding rings. 436,451, Feb. 10; Serial No. 508,856, published Nov. 11, 1947. Class 28.

Parfumerie Caron: See—
Daltroff, E. & Cie.

Parfumerie de Raymond: See—
Ray, Edward J.

Parfums de Renel, Inc., New York, N. Y. Perfume, toilet water, brillantane, etc. 436,409, Feb. 10; Serial No. 491,213, published Dec. 24, 1946. Class 6.

Parfums de Renel, Inc., Mount Vernon, N. Y. Perfume, toilet water, brillantane, etc. 436,426, Feb. 10; Serial No. 501,274, published Dec. 24, 1946. Class 6.

Parfums Weil Paris Co., New York, N. Y. Perfume and toilet waters. 436,428, Feb. 10; Serial No. 502,403, published Nov. 11, 1947. Class 6.

Parkersburg Rig and Reel Company, The, Parkersburg, W. Va. Belt houses, engine houses, bull-wheel houses, etc. 237,551, renewed Jan. 10, 1948. O. G. Feb. 10. Class 12.

Paul Knitting Mills, Pulaski, Va. Hosiery. 436,401, Feb. 10; Serial No. 474,506, published Mar. 19, 1946. Class 39.

Paula Shops, The: See—
Deal, Paul E.

Peerless Tailored Dresses, New York, N. Y. Women's, misses', and junior misses' dresses. 436,597-8, Feb. 10. Class 39.

Perma-Nail Co.: See—
Langley, Bertram L.

Pfeiffer, Frank H., Co., Inc., Worcester, Mass. Women's footwear. 436,483, Feb. 10; Serial No. 514,988, published Oct. 21, 1947. Class 39.

Phillips-Jones Corporation, New York, N. Y. Collars. 172,170, renewed Jan. 5, 1948. O. G. Feb. 10. Class 39.

Phillips-Jones Corporation, New York, N. Y. Dress shirts, negligee shirts, and work shirts, etc. 178,907, renewed Jan. 5, 1948. O. G. Feb. 10. Class 39.

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 192,320, Dec. 2, 1924. Republished Feb. 10. Class 39.

Phoenix Hosiery Company, Milwaukee, Wis. Knitted neckties. 436,511, Feb. 10; Serial No. 518,318, published Nov. 11, 1947. Class 39.

Pickard, Ben, Chicago, Ill. Chemically treated permanent wave pads. 436,585, Feb. 10; Serial No. 525,675, published Nov. 4, 1947. Class 6.

Picture Book Fashions, Omaha, Nebr. Girls' (from infants to teen age inclusive) dresses, cloth coats, pinafores, etc. 436,408, Feb. 10; Serial No. 489,825, published Aug. 13, 1946. Class 39.

Pioneer Suspender Company, Philadelphia, Pa. Suspenders, garters, arm bands, etc. 204,317, Oct. 13, 1925. Republished Feb. 10. Class 39.

Porker Chip Co.: See—
Wade, Robert L.

Preferred Food Products, Inc., Newark, N. J. Food flavoring concentrates. 436,430, Feb. 10; Serial No. 503,828, published Nov. 4, 1947. Class 46.

Presstite Engineering Company, The, St. Louis, Mo. Pipe jointing element. 213,153, May 18, 1926. Republished Feb. 10. Class 12.

Procter & Gamble Company, The: See—
Kirk, James S., & Company.
Remmers Soap Company, The.

Procter & Gamble Company, The, Cincinnati, Ohio. Red oil. 191,487, Nov. 11, 1924. Republished Feb. 10. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Deodorized, vegetable stearin for food purposes. 199,771, June 18, 1925. Republished Feb. 10. Class 46.

Publ. John, Products Company, The, Chicago, Ill. Ammonia. 194,879-80, Feb. 10, 1925. Republished Feb. 10. Class 6.

Puritan Laboratories, Inc., Des Moines, Iowa. Insecticides. 420,287, Apr. 2, 1948. Canceled Jan. 18, 1948. O. G. Feb. 10. Class 6.

Pycop, Inc., Jersey City, N. J. Gum massaging attachments for toothbrushes. 429,823, May 20, 1947. Canceled Jan. 6, 1948. O. G. Feb. 10. Class 44.

Rand McNally and Company, Chicago, Ill. Monthly publication. 232,989, renewed Sept. 20, 1947. O. G. Feb. 10. Class 38.

Read, D. M., Company, The: See—
Read, D. M., Co., The.

Read, D. M., Co., The, to The D. M. Read Company, Bridgeport, Conn. Boots, shoes, slippers, etc. 239,516, renewed Mar. 6, 1948. O. G. Feb. 10. Class 39.

Regal Shoe Company, Whitman, Mass. Boots and shoes. 192,239, Dec. 2, 1924. Republished Feb. 10. Class 39.

Reliant Oil Corporation, New York, N. Y. Petroleum lubricating oils and greases. 238,502, renewed Feb. 7, 1948. O. G. Feb. 10. Class 15.

Remmers Soap Company, The, by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 168,402, May 22, 1923. Republished Feb. 10. Class 4.

Respro Inc., Cranston, R. I. Adhesively-integrated fibrous material (A manufactured material). 202,923, Sept. 8, 1925. Republished Feb. 10. Class 42.

Rich, Ivor, New York, N. Y. Lipsticks. 436,402, Feb. 10; Serial No. 482,396, published Dec. 24, 1946. Class 6.

Richmond Hosiery Mills, Chattanooga, Tenn., to Richmond Hosiery Mills, Rossville, Ga. Hosiery. 66,971, renewed Jan. 7, 1948. O. G. Feb. 10. Class 39.

Riverside & Dan River Cotton Mills, Inc., to Dan River Mills, Incorporated, Danville, Va. Chambray and gingham cotton goods in the piece. 233,688, renewed Oct. 4, 1947. O. G. Feb. 10. Class 42.

Riverside & Dan River Cotton Mills, Inc., to Dan River Mills, Incorporated, Danville, Va. Colored chambray in the piece. 235,062, renewed Nov. 8, 1947. O. G. Feb. 10. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Sheets, sheeting, and pillowcases. 422,636, Aug. 6, 1946. Canceled Jan. 6, 1948. O. G. Feb. 10. Class 42.

Roback, Ida, doing business as Superior Cloak and Suit Manufacturers, Oakland, Calif. Ladies' and misses' coats and suits. 436,506, Feb. 10; Serial No. 518,040, published Sept. 30, 1947. Class 39.

Rolet Food Products Co., Inc., Brooklyn, N. Y. Fried pork rinds. 436,410, Feb. 10; Serial No. 493,077, published Oct. 28, 1947. Class 46.

Rosen, George H., doing business as George H. Rosen Shoe Mfg. Co., Boston, Mass. Children's shoes. 436,538, Feb. 10; Serial No. 520,529, published Oct. 28, 1947. Class 39.

Rosen, George H., Shoe Mfg. Co.: See—
Rosen, George H.

Rosenbloom, S., Inc., Baltimore, Md. Dress shirts, work shirts, pajamas, etc. 436,407, Feb. 10; Serial No. 488,975, published Aug. 27, 1946. Class 39.

Rothschild, Lionel G., Dallas, Tex. After-shaving lotion, hair dressing, deodorant, etc. 416,710, Sept. 25, 1945. Canceled Jan. 15, 1948. O. G. Feb. 10. Class 6.

Rubicon, Inc., doing business as The Antique Shoppe, New York, N. Y. Perfume and cologne. 436,508, Feb. 10; Serial No. 518,103, published Nov. 11, 1947. Class 6.

Rubinstein, Helena, Inc., New York, N. Y. Perfume. 436,492-3, Feb. 10; Serial Nos. 516,577-8, published Nov. 11, 1947. Class 6.

Ruskin Vegetable Distributors, Ruskin, Fla. Fresh vegetables. 436,496, Feb. 10; Serial No. 517,202, published Nov. 4, 1947. Class 46.

Russell Manufacturing Company, The, Middletown, Conn. Brake-shoe liners or linings. 239,502, renewed Mar. 6, 1948. O. G. Feb. 10. Class 35.

S. O. S. Company, The: See—
Dirt-Kut Company, The.

Sal-Fayne Corporation: See—
Sal-Phenine Laboratories Inc.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. 436,399, Feb. 10; Serial No. 466,022, published Sept. 12, 1944. Class 46.

Sal-Phenine Laboratories Inc., to Sal-Fayne Corporation, Dayton, Ohio. Medicine. 230,279, renewed July 19, 1947. O. G. Feb. 10. Class 6.

Saro Textile Co. Inc., New York, N. Y. Window curtains. 436,512, Feb. 10; Serial No. 518,484, published Nov. 4, 1947. Class 42.

Schaller, Rose, doing business as Machinery Supplies Company, assignor to Machinery and Machine Supplies Company, Inc., New York, N. Y. Copper, leather, fibre, etc. gaskets. 436,420, Feb. 10; Serial No. 499,063, published Nov. 11, 1947. Class 35.

Scher & Feldman, Inc., New York, N. Y. Children's coats. 436,568, Feb. 10; Serial No. 523,925, published Nov. 11, 1947. Class 39.

Schlaifer, Louis J., New York, N. Y. Undergarments. 436,589, Feb. 10. Class 39.

Schultz-Rosky-Block Co., Chicago, Ill. Knitted underwear, sweater coats, bathing suits, and hosiery, etc. 191,725, Nov. 18, 1924. Republished Feb. 10. Class 39.

Scott, Suttie E., doing business as Suttie Mfg. Co., Chicago, Ill. Skin lotion, a pressing oil for the hair, an ointment, a brillantane, etc. 436,583, Feb. 10; Serial No. 525,425, published Nov. 11, 1947. Class 6.

Sea Island Mills, Incorporated, New York, N. Y. Fabrics made from combination of ramie and rayon fibers. 436,403, Feb. 10; Serial No. 482,766, published Nov. 11, 1947. Class 42.

Sellavision, Inc., Mansfield, Ohio. Handle-equipped receptacle. 486,440, Feb. 10; Serial No. 507,027, published Nov. 18, 1947. Class 2.

Signode System, Inc., Chicago, Ill. Cutlery, machinery, and tools and parts thereof. 116,692, May 15, 1917. Amended. O. G. Feb. 10. Class 23.

Simonin's, C. F., Sons, Inc., Philadelphia, Pa. Corn-oil. 192,897, Dec. 18, 1924. Republished Feb. 10. Class 46.

Skelton Shovel Co. Inc., Dunkirk, N. Y., by The American Fork and Hoe Company, Cleveland, Ohio. Shovels and spades. 198,123, May 5, 1925. Republished Feb. 10. Class 23.

Smith and Wesson, Inc., Springfield, Mass. Revolvers. 207,951, Jan. 12, 1926. Republished Feb. 10. Class 9.

Societe Anonyme Solex, The, Neuilly-sur-Seine, France. Pneumatic tires. 436,419, Feb. 10; Serial No. 498,319, published Nov. 11, 1947. Class 35.

Sola Electric Company, Chicago, Ill. Transformers, voltage regulators and compensators, and reactors. 422,902, Aug. 13, 1946. Canceled Jan. 9, 1948. O. G. Feb. 10. Class 21.

Southern Cotton Oil Company, The, New Orleans, La. Hardened vegetable oil. 436,514, Feb. 10; Serial No. 518,568, published Nov. 4, 1947. Class 46.

Southern Cotton Oil Company, The, New Orleans, La. Coconut oil. 436,515, Feb. 10; Serial No. 518,567, published Nov. 11, 1947. Class 46.

Southwestern Milling Company, Inc., The, New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat flour. 208,270, Jan. 28, 1926. Republished Feb. 10. Class 46.

Specialty Fabricating Co., Kansas City, Mo. Insulated shopping bags. 436,435, Feb. 10; Serial No. 505,264, published Nov. 18, 1947. Class 2.

Specialty Service Supply, Inc., Tacoma, Wash. Candy. 436,529, Feb. 10; Serial No. 519,779, published Nov. 11, 1947. Class 46.

Spencer Thermostat Company, Cambridge, Mass. Valves. 202,169, Aug. 18, 1925. Republished Feb. 10. Class 13.

Standard Milling Company: See—
Hecker-Jones-Jewell Milling Company.
Northwestern Consolidated Milling Company, The.
Southwestern Milling Company Inc., The.

Standard Plastics, Inc., Los Angeles, Calif. Wood, plastic, or base metal coasters. 436,452, Feb. 10; Serial No. 509,107, published Nov. 11, 1947. Class 2.

Stave & Sauer, Paterson, N. J. Women's and misses' blouses, skirts, jackets, and dresses. 436,475, Feb. 10; Serial No. 513,276, published Nov. 4, 1947. Class 39.

Stevens, Frederick W., Christchurch, New Zealand. Chemical preparation. 436,432, Feb. 10; Serial No. 504,219, published Nov. 11, 1947. Class 6.

Stewart Hartshorn Company, New York, N. Y. Shade-cloth. 436,560, Feb. 10; Serial No. 524,089, published Oct. 14, 1947. Class 42.

Stix, Baer & Fuller Company, St. Louis, Mo. Silk crepe in the piece and in the bolt. 238,990, renewed Feb. 21, 1948. O. G. Feb. 10. Class 42.

Strub, Theodore F., doing business as The Edox Shoe Company, Chicago, Ill. Shoes. 436,518, Feb. 10; Serial No. 518,628, published Oct. 7, 1947. Class 39.

Sun Chemical Corporation, New York, N. Y. Printing inks. 436,540, Feb. 10; Serial No. 521,035, published Nov. 11, 1947. Class 11.

Sun Chemical Corporation, New York, N. Y. Substances or chemicals for producing a water repellent, etc. 436,545, Feb. 10; Serial No. 521,416, published Nov. 11, 1947. Class 6.

Sunday School Times Company, The, Philadelphia, Pa. Weekly magazine. 236,719, renewed Dec. 20, 1947. O. G. Feb. 10. Class 38.

Sunshine Biscuits, Inc.: See—
Loose-Wiles Biscuit Company.

Superior Cloak and Suit Manufacturers: See—
Roback, Ida.

Suttie Mfg. Co.: See—
Scott, Suttie E.

Swan, Clinton, Clothes, Inc., New York, N. Y. Men's coats and suits. 436,599, Feb. 10. Class 39.

Sweeney-Block & Co., Inc., New York, N. Y. Infants' and children's creepers, rompers, overalls, etc. 436,472, Feb. 10; Serial No. 512,541, published Sept. 30, 1947. Class 39.

Talon, Inc.: See—
Hookless Fastener Company.

Tanner, Chas. S., Company, Providence, R. I. Starches, gums and dextrine products. 436,457, Feb. 10; Serial No. 509,477, published Nov. 11, 1947. Class 6.

Taylor, George W., Bradford, England. Pharmaceutical preparations. 436,422, Feb. 10; Serial No. 500,029, published Nov. 11, 1947. Class 6.

Taylor, George W., Bradford, England. Disinfectants and antiseptics. 436,423, Feb. 10; Serial No. 500,030, published Nov. 11, 1947. Class 6.

Taylor, George W., Bradford, England. Pharmaceutical preparations. 436,424, Feb. 10; Serial No. 500,032, published Nov. 11, 1947. Class 6.

Texas Company, The, Houston, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Petroleum, petroleum waxes, wax-oil stock, etc. 163,541, renewed Jan. 5, 1948. O. G. Feb. 10. Class 15.

Thomas, M. & W., Co., New York, N. Y. Silk and rayon piece goods. 430,689, June 17, 1947. Canceled Jan. 20, 1948. O. G. Feb. 10. Class 42.

Thompson-Hayward Chemical Company, Kansas City, Mo. Insecticides. 436,570, Feb. 10; Serial No. 524,091, published Nov. 11, 1947. Class 6.

Thornton & Chester Milling Company, Buffalo, N. Y. Wheat-flour. 67,064, re-renewed Jan. 14, 1948. O. G. Feb. 10. Class 48.

Trans-Americas Trading Co., New York, N. Y. Overcoats, suits, dresses, etc. 436,479, Feb. 10; Serial No. 513,782, published Nov. 11, 1947. Class 39.

Trophotone Laboratories: See—
Langston, Lily E.

Tropical Oil Company, The, to The Tropical Paint & Oil Company, Cleveland, Ohio. Mixed paints. 65,840, re-renewed Oct. 22, 1947. O. G. Feb. 10. Class 16.

Tropical Paint & Oil Company, The: See—
Tropical Oil Company, The.

Troy, Seymour, New York, N. Y. Ladies' shoes. 436,530, Feb. 10; Serial No. 519,904, published Oct. 14, 1947. Class 39.

Tabbas Cordage Company, San Francisco, Calif. Sisal rope. 170,595, July 17, 1923. Republished Feb. 10. Class 7.

Underwood Corporation, New York, N. Y. Typewriter ribbon and carbon paper. 436,417, Feb. 10; Serial No. 497,512, published Nov. 11, 1947. Class 11.

United Cape Cod Cranberry Company, The, Boston and South Hanson, Mass., by National Cranberry Association, Hanson, Mass. Canned cranberries. 194,297, Jan. 20, 1925. Republished Feb. 10. Class 46.

United Cape Cod Cranberry Company, The, Boston and South Hanson, Mass., by National Cranberry Association, Hanson, Mass. Canned cranberries. 198,795, Mar. 31, 1925. Republished Feb. 10. Class 46.

United States Gypsum Company: See—
North Western Expanded Metal Company.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Deodorant and disinfectant. 172,358, Aug. 28, 1923. Republished Feb. 10. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Dusting material. 436,577, Feb. 10; Serial No. 525,161, published Nov. 11, 1947. Class 6.

Uzameckl, Bernard, doing business as Kasar Company, Chicago, Ill. Medicinal compound. 436,464, Feb. 10; Serial No. 511,428, published Nov. 11, 1947. Class 6.

Van Allan, Coral H., Rochester, N. Y. Fingernail swabs. 436,590, Feb. 10. Class 44.

Van Cleef & Arpel, Inc., New York, N. Y. Wrist watches. 436,571, Feb. 10; Serial No. 524,166, published Nov. 11, 1947. Class 27.

Vaughn Machinery Company, The, Cuyahoga Falls, Ohio. Wire-drawing machines and parts thereof. 209,787, Mar. 2, 1926. Republished Feb. 10. Class 39.

Vidal, Buenaventura R., and E. R. Artigas, Madrid, Spain. Dentifrice. 436,539, Feb. 10; Serial No. 520,793, published Nov. 11, 1947. Class 6.

Wade, Robert L., doing business as Porker Chip Co., Memphis, Tenn. Fried pig skin tidbits. 436,478, Feb. 10; Serial No. 513,700, published Nov. 11, 1947. Class 46.

Walitt & Bond, Inc., Newark, N. J. Cigars. 207,484, Jan. 5, 1926. Republished Feb. 10. Class 17.

Warwick Wax Co., Inc., New York, N. Y. Microcrystalline wax and chemically modified microcrystalline wax. 436,541, Feb. 10; Serial No. 521,098, published Nov. 11, 1947. Class 6.

Washington Steel Corporation, Washington, Pa. Stainless steel strips and sheets. 436,487, Feb. 10; Serial No. 511,523, published Nov. 11, 1947. Class 14.

Webb, James E., St. Petersburg, Fla., and Knoxville, Tenn. Insecticide and germicide. 294,285, May 24, 1932. Canceled Jan. 19, 1948. O. G. Feb. 10. Class 6.

Wembley Inc., New Orleans, La. Neckties. 436,531, Feb. 10; Serial No. 519,999, published Oct. 7, 1947. Class 39.

Westergaard, B., & Co., Brooklyn, N. Y., to O. Kavli A/S, Bergen, Norway. Cheese. 236,605, renewed Dec. 20, 1947. O. G. Feb. 10. Class 46.

Wick & Fry, Inc., Cumberland, Ind. Hormone preparation. 436,573, Feb. 10; Serial No. 524,841, published Nov. 11, 1947. Class 6.

Wilbar's, Inc., Boston, Mass. Ladies' shoes. 436,534, Feb. 10; Serial No. 520,135, published Oct. 28, 1947. Class 39.

Winget Kickernick Company, Minneapolis, Minn. Bloomers, panties, and underwear. 436,438, Feb. 10; Serial No. 506,908, published Oct. 7, 1947. Class 39.

Winter Bros., New York, N. Y. Ladies' apparel. 436,494, Feb. 10; Serial No. 516,651, published Oct. 7, 1947. Class 39.

Wohl Shoe Company, The, St. Louis, Mo. Shoes and slippers. 436,519, Feb. 10; Serial No. 518,635, published Oct. 28, 1947. Class 39.

Wright, E. H., Company, Ltd., Kansas City, Mo. Barbecue sauce. 356,566, May 3, 1938. Canceled Jan. 9, 1948. O. G. Feb. 10. Class 46.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 389,875, Aug. 26, 1941. Canceled Jan. 6, 1948. O. G. Feb. 10. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cork and cut cork. Raw. Mundet Cork Corporation. 436,548, Feb. 10; Serial No. 521,591, published Nov. 11, 1947.
Fur sealskins. Fouke Fur Company. 194,582, Feb. 3, 1925. Republished Feb. 10.
Leather. American Oak Leather Company. 204,931, Oct. 27, 1925. Republished Feb. 10.
Leather. Eagle-Ottawa Leather Company. 436,596, Feb. 10.
Orca, pulverized Mexican, Ceylon and artificial graphites, etc. Amorphous graphite. Cummings-Moore Graphite Company. 436,546, Feb. 10; Serial No. 521,503, published Nov. 11, 1947.
Plumbago. S. Obermayer Company. 195,842, Mar. 3, 1925. Republished Feb. 10.
Seed, Corn. Cargill, Incorporated. 436,445, Feb. 10; Serial No. 508,367, published July 1, 1947.

CLASS 2

Bags, Burlap. Bemis Bro. Bag Company. 169,435, June 19, 1923. Republished Feb. 10.
Bags, Insulated shopping. Specialty Fabricating Co. 436,435, Feb. 10; Serial No. 505,264, published Nov. 18, 1947.
Bags, Paper. Crown Willamette Paper Company. 202,285, Aug. 18, 1925. Republished Feb. 10.
Boxes. Midwest Manufacturing and Engineering Corp. 436,414, Feb. 10; Serial No. 495,084, published Nov. 18, 1947.
Boxes and wrappers, Paper and cardboard. Mason Box Company. 200,835, July 14, 1925. Republished Feb. 10.
Coasters, Wood, plastic or base metal. Standard Plastics, Inc. 436,452, Feb. 10; Serial No. 509,107, published Nov. 11, 1947.
Envelopes and paper bags, Merchandise. Auto-Wrap Corporation. 436,433, Feb. 10; Serial No. 504,596, published Nov. 18, 1947.
Receptacle, Handle-equipped. Sellavision, Inc. 436,440, Feb. 10; Serial No. 507,027, published Nov. 18, 1947.
Tanks and parts thereof, Septic. National Steel Construction Co. 436,412, Feb. 10; Serial No. 493,804, published Nov. 18, 1947.
Tanks for liquefied gases, metal storage tanks; and metal transport tanks, Metal servicing. Linde Air Products Company. 436,405, Feb. 10; Serial No. 486,718, published Nov. 18, 1947.

CLASS 4

Product composed of steel wool and soap. Dirt-Kut Company. 231,818, renewed Aug. 30, 1947. O. G. Feb. 10.
Soap. Remmers Soap Company. 168,402, May 22, 1923. Republished Feb. 10.
Soap, Abrasive. Cudahy Packing Co. 68,213, re-renewed Mar. 17, 1948. O. G. Feb. 10.
Soap, Scouring. Cudahy Packing Co. 68,007, re-renewed Mar. 3, 1948. O. G. Feb. 10.
Soap, Shaving. James S. Kirk & Company. 197,230, Apr. 14, 1925. Republished Feb. 10.

CLASS 6

Amino acid dietary supplement and therapeutic medicine. R. J. Moran Co. 436,497, Feb. 10; Serial No. 517,422, published Nov. 11, 1947.
Ammonia. John Puhl Products Company. 194,879-80, Feb. 10, 1925. Republished Feb. 10.
Antiseptic. Consolidated Royal Chemical Corporation. 436,400, Feb. 10; Serial No. 470,707, published Nov. 11, 1947.
Base coat for finger and toe nails. B. A. Langley. 436,547, Feb. 10; Serial No. 521,525, published Nov. 4, 1947.
Bath preparation, Bubble. Elizabeth Arden Sales Corporation. 436,554, Feb. 10; Serial No. 521,990, published Nov. 11, 1947.
Beauty products. F. Meier. 436,502, Feb. 10; Serial No. 517,733, published Nov. 11, 1947.
Chemical preparation. F. W. Stevens. 436,432, Feb. 10; Serial No. 504,219, published Nov. 11, 1947.
Cream, finishing and beautifying cream, toilet cream, etc. Cold. T. H. MacGregor. 436,463, Feb. 10; Serial No. 511,172, published Nov. 11, 1947.
Creams, Cleansing. L. B. Harvell. 429,502, Apr. 29, 1947. Canceled Jan. 15, 1948. O. G. Feb. 10.
Dentifrice. B. R. Vidal and E. R. Artigas. 436,539, Feb. 10; Serial No. 520,793, published Nov. 11, 1947.
Deodorant and disinfectant. U. S. Sanitary Specialties Corporation. 172,358, Aug. 28, 1923. Republished Feb. 10.
Deodorant, General household. Floridaire Company. 436,469, Feb. 10; Serial No. 511,992, published Nov. 11, 1947.
Disinfectants and antiseptics. G. W. Taylor. 436,423, Feb. 10; Serial No. 500,030, published Nov. 11, 1947.
Douche, Vaginal. A. E. Fuoss. 208,042, Jan. 19, 1926. Republished Feb. 10.

Dusting material. Upjohn Company. 436,577, Feb. 10; Serial No. 525,161, published Nov. 11, 1947.
Dyestuff, Neutral dyeing acid. Bick & Co., Inc. 436,528, Feb. 10; Serial No. 519,722, published Nov. 11, 1947.
Dyestuffs. National Aniline & Chemical Company, Incorporated. 233,018, renewed Sept. 20, 1947. O. G. Feb. 10.
Dyestuffs. National Aniline & Chemical Company, Incorporated. 233,059, renewed Sept. 20, 1947. O. G. Feb. 10.
Dyestuffs. National Aniline & Chemical Company, Incorporated. 235,641, renewed Nov. 22, 1947. O. G. Feb. 10.
Dyestuffs. General Dyestuff Corporation. 239,279, renewed Feb. 28, 1948. O. G. Feb. 10.
Face powder. F. N. Lewis. 162,163, renewed Jan. 5, 1948. O. G. Feb. 10.
Hair dressing. M. E. Cooke. 436,480, Feb. 10; Serial No. 513,805, published Nov. 11, 1947.
Hormone preparation. Wick & Fry, Inc. 436,573, Feb. 10; Serial No. 524,841, published Nov. 11, 1947.
Hypnotic agent for rectal administration. Ames Company, Inc. 436,521, Feb. 10; Serial No. 518,845, published Nov. 11, 1947.
Insecticide and germicide. J. E. Webb. 294,285, May 24, 1932. Canceled Jan. 19, 1948. O. G. Feb. 10.
Insecticide; Insecticide concentrate; barn insecticide; etc. Organic Chemicals Corporation. 436,524, Feb. 10; Serial No. 519,411, published Nov. 11, 1947.
Insecticides. Puritan Laboratories, Inc. 420,287, Apr. 2, 1948. Canceled Jan. 15, 1948. O. G. Feb. 10.
Insecticides. Thompson-Hayward Chemical Company. 436,570, Feb. 10; Serial No. 524,091, published Nov. 11, 1947.
Lighter fluid. McLaughlin-Slugg. 436,449, Feb. 10; Serial No. 508,538, published Nov. 11, 1947.
Lipstick. Gourlell, Inc. 436,526-7, Feb. 10; Serial Nos. 519,650-1, published Nov. 11, 1947.
Lipsticks. I. Rich. 436,402, Feb. 10; Serial No. 482,396, published Dec. 24, 1946.
Lotion, a pressing oil for the hair, an ointment, a brilliantine, etc. Skin. S. E. Scott. 436,583, Feb. 10; Serial No. 525,425, published Nov. 11, 1947.
Lotion, hair dressing, deodorant, etc. After-shaving. L. G. Rothschild. 416,710, Sept. 25, 1945. Canceled Jan. 15, 1948. O. G. Feb. 10.
Lotions and creams, reducing lotion, bleach cream, etc. Skin. F. N. Lewis. 153,598, renewed Jan. 5, 1948. O. G. Feb. 10.
Medicinal compound. B. Uzumek. 436,464, Feb. 10; Serial No. 511,428, published Nov. 11, 1947.
Medicinal preparation, Liquid. G. F. Harvey Company. 436,572, Feb. 10; Serial No. 524,605, published Nov. 11, 1947.
Medicine. Sal-Phenine Laboratories Inc. 230,279, renewed July 19, 1947. O. G. Feb. 10.
Nose drop and nasal spray. Wm. S. Merrell Company. 436,580, Feb. 10; Serial No. 522,757, published Nov. 11, 1947.
Oil, Red. Procter & Gamble Company. 191,487, Nov. 11, 1924. Republished Feb. 10.
Oils, Aromatic. E. J. Arn. 436,558, Feb. 10; Serial No. 522,451, published Nov. 11, 1947.
Ointment. L. E. Langston. 436,559, Feb. 10; Serial No. 522,681, published Nov. 11, 1947.
Ointment salves. Cleveland Pharmaceutical Company. 436,565, Feb. 10; Serial No. 523,459, published Nov. 11, 1947.
Organosilanes, organosilicon halides, organosilicon esters, organosiloxanes, Synthetic. Dow Corning Corporation. 436,450, Feb. 10; Serial No. 508,584, published Nov. 11, 1947.
Pads, Chemically treated permanent wave. B. Pickard. 436,585, Feb. 10; Serial No. 525,875, published Nov. 4, 1947.
Perfume. E. Daltroff & Cie. 172,520, Sept. 4, 1923. Republished Feb. 10.
Perfume. E. Daltroff & Cie. 172,539, Sept. 4, 1923. Republished Feb. 10.
Perfume. Helena Rubinstein, Inc. 436,492-3, Feb. 10; Serial Nos. 516,577-8, published Nov. 11, 1947.
Perfume and cologne. Rubicon, Inc. 436,508, Feb. 10; Serial No. 518,103, published Nov. 11, 1947.
Perfume and toilet waters. Parfums Well Paris Co. 436,428, Feb. 10; Serial No. 502,403, published Nov. 11, 1947.
Perfume, toilet water. E. Daltroff & Cie. 172,538, Sept. 4, 1923. Republished Feb. 10, 1948.
Perfume, toilet water, brilliantine, etc. Parfums de Renel, Inc. 436,409, Feb. 10; Serial No. 491,213, published Dec. 24, 1946.
Perfume, toilet water, brilliantine, etc. Parfums de Renel, Inc. 436,426, Feb. 10; Serial No. 501,274, published Dec. 24, 1946.
Perfumes. B. Hirschensohn. 381,898, Oct. 15, 1940. Canceled Jan. 9, 1948. O. G. Feb. 10.

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CLASS 13

Fasteners, Separable. Hookless Fastener Company. 198,412, May 19, 1925. Republished Feb. 10.
Fencing, Woven-wire. American Steel & Wire Company of New Jersey. 144,096, re-renewed Jan. 6, 1948. O. G. Feb. 10.
Valves. Spencer Thermostat Company. 202,169, Aug. 18, 1925. Republished Feb. 10.

CLASS 14

Metals and alloys, Babbitt, bearing, and antifriction. Magnolia Metal Company. 168,189, May 15, 1923. Republished Feb. 10.
Porcelain enameling on metals and metal castings, etc. Vitreous. Benjamin Electric Manufacturing Company. 203,830, Sept. 29, 1925. Republished Feb. 10.
Steel in rod, wire, sheet, etc. Form. C. J. Bates & Son. 436,434, Feb. 10; Serial No. 504,733, published Nov. 4, 1947.
Steel rods, bars, plates, etc. Rolled, drawn or forged. Crucible Steel Company of America. 436,576, Feb. 10; Serial No. 525,069, published Nov. 4, 1947.
Steel strips and sheets, Stainless. Washington Steel Corporation. 436,467, Feb. 10; Serial No. 511,523, published Nov. 11, 1947.
Steels, Cold finished bar. Bliss & Laughlin, Inc. 436,537, Feb. 10; Serial No. 520,440, published Nov. 11, 1947.

CLASS 15

Oils and greases, Lubricating. Bodie-Hoover Petroleum Corporation. 238,453, renewed Feb. 7, 1948. O. G. Feb. 10.
Oils and greases, Petroleum lubricating. Reliant Oil Corporation. 238,502, renewed Feb. 7, 1948. O. G. Feb. 10.
Petroleum, petroleum waxes, wax-oil stock, etc. Texas Company. 168,541, renewed Jan. 5, 1948. O. G. Feb. 10.

CLASS 16

Paint, Paste. Morgan Company. 235,296, renewed Nov. 15, 1947. O. G. Feb. 10.
Paints, Mixed. Tropical Oil Company. 65,840, re-renewed Oct. 22, 1947. O. G. Feb. 10.

CLASS 17

Cigars. H. Fendrich. 72,271, Jan. 12, 1909. Corrected. O. G. Feb. 10.
Cigars. Walitt & Bond, Inc. 207,484, Jan. 5, 1926. Republished Feb. 10.

CLASS 19

Drums and brake disks, Brake. Hunt-Spiller Manufacturing Corporation. 238,162, renewed Feb. 21, 1948. O. G. Feb. 10.
Vehicles and particularly motor coaches, busses, and motor trucks, and attachments and parts thereof. Motor. International Harvester Company. 209,775-6, Mar. 2, 1926. Republished Feb. 10.

CLASS 21

Automobile storage batteries. General Storage Battery Co. 200,009, June 23, 1925. Republished Feb. 10.
Batteries, Electric storage. A. J. McPartland. 326,257, July 23, 1935. Canceled Jan. 15, 1948. O. G. Feb. 10.
Holst, Electric driven portable. McCollum Holst & Mfg. Co. 237,174, renewed Jan. 3, 1948. O. G. Feb. 10.
Receiving sets and parts thereof, Radio and Television. Zenith Radio Corporation. 389,876, Jan. 6, 1948. Canceled Jan. 6, 1948. O. G. Feb. 10.
Transformers, voltage regulators and compensators, and reactors. Sola Electric Company. 422,902, Aug. 13, 1946. Canceled Jan. 9, 1948. O. G. Feb. 10.

CLASS 22

Golf bags. H. Hotse & Sons Company. 194,458, Jan. 27, 1925. Republished Feb. 10.

CLASS 23

Adzes, axes, bush hooks, etc. Kelly Axe & Tool Co., Inc. 235,939, renewed Nov. 29, 1947. O. G. Feb. 10.
Clippers, bolt cutters, and nut splitters, Wire. Carolus Manufacturing Company. 235,882, renewed Nov. 29, 1947. O. G. Feb. 10.
Cutlery, machinery, and tools and parts thereof. Signode System, Inc. 118,692, May 15, 1917. Amended. O. G. Feb. 10.
Grenades and supports therefor, Fire-extinguishing. International Fire Equipment Corporation. 235,961, renewed Nov. 29, 1947. O. G. Feb. 10.
Internal-grinding machine. Greenfield Tap and Die Corporation. 191,946, Nov. 25, 1924. Republished Feb. 10.
Pistons. C. D. Butler. 228,622, renewed June 7, 1947. O. G. Feb. 10.
Sewing-machines, and attachments. New Home Sewing Machine Company. 60,078, re-renewed Jan. 29, 1947. O. G. Feb. 10.
Sharpeners, Knife. Ace Hardware Mfg. Corp'n. 197,620, Apr. 21, 1925. Republished Feb. 10.

Perfumes and toilet waters. J. Crespin & M. Laurens-Frings & Cie. 436,455, Feb. 10; Serial No. 509,399, published Nov. 11, 1947.
Perfumes, toilet water, hair tonic, etc. E. J. Fay. 239,220, renewed Feb. 28, 1948. O. G. Feb. 10.
Perfumes, toilet waters, rouge, etc. Omnium Arts et Industrie, Societe Anonyme. 436,584, Feb. 10; Serial No. 525,660, published Nov. 11, 1947.
Pharmaceutical preparations. G. W. Taylor. 436,422, Feb. 10; Serial No. 500,029, published Nov. 11, 1947.
Pharmaceutical preparations. G. W. Taylor. 436,424, Feb. 10; Serial No. 500,032, published Nov. 11, 1947.
Powder, Talcum. Goodman Chemical Co. 436,427, Feb. 10; Serial No. 501,907, published Nov. 11, 1947.
Powder, talcum powder, lip and face rouges, etc. Face. Kay Daumit. 436,431, Feb. 10; Serial No. 503,975, published Nov. 11, 1947.
Preparation for removing warts, corns, and calli. Moss Company. 436,425, Feb. 10; Serial No. 500,116, published Nov. 11, 1947.
Preparation for the treatment of antiarthritic and anti-rheumatic conditions. Chicago Pharmacal Company. 395,678, June 2, 1942. Canceled Jan. 15, 1948. O. G. Feb. 10.
Preparation for the treatment of asthma. Fellows Medical Manufacturing Company, Inc. 436,551, Feb. 10; Serial No. 521,806, published Nov. 11, 1947.
Preparation for the treatment of the scalp. J. L. Mills. 436,562, Feb. 10; Serial No. 523,161, published Nov. 11, 1947.
Preparation for the treatment of the scalp and hair. A. Maughan. 436,556, Feb. 10; Serial No. 522,242, published Nov. 11, 1947.
Preparation used as hypnotic, sedative, and anesthetic. Ames Company, Inc. 436,520, Feb. 10; Serial No. 518,644, published Nov. 11, 1947.
Preparations for treating and coloring eyelashes and eyebrows. Elmo, Inc. 238,237, renewed Jan. 31, 1948. O. G. Feb. 10.
Solvent, Carbon and gum. Kem-Oil Products Company. 436,404, Feb. 10; Serial No. 486,207, published May 21, 1946.
Starches, gums, and dextrine products. Chas. S. Tanner Company. 436,457, Feb. 10; Serial No. 509,477, published Nov. 11, 1947.
Substances or chemicals for producing a water repellent, etc. Sun Chemical Corporation. 436,545, Feb. 10; Serial No. 521,416, published Nov. 11, 1947.
Tonic, Systemic. Certification Commission Drugs-Chemicals, Inc. 436,557, Feb. 10; Serial No. 522,361, published Nov. 11, 1947.
Veterinary preparations. American Cyanamid Company. 436,536, Feb. 10; Serial No. 520,432, published Nov. 11, 1947.
Vitamin compound and tonic. J. B. Knight, Sr. 436,566, Feb. 10; Serial No. 523,677, published Nov. 11, 1947.
Wax and chemically modified microcrystalline wax, Micro-crystalline. Warwick Wax Co., Inc. 436,541, Feb. 10; Serial No. 521,098, published Nov. 11, 1947.
Witch hazel. Humphreys Medicine Company Incorporated. 436,544, Feb. 10; Serial No. 521,391, published Nov. 11, 1947.

CLASS 7

Rope, Sisal. Tubbs Cordage Company. 170,595, July 17, 1923. Republished Feb. 10.

CLASS 9

Firearms. Colt's Manufacturing Company. 436,574, Feb. 10; Serial No. 524,953, published Nov. 11, 1947.
Flash crackers, Chinese. Charles H. Demarest, Inc. 436,504, Feb. 10; Serial No. 517,978, published Nov. 4, 1947.
Matches. Armstrong Grocery Company. 436,516, Feb. 10; Serial No. 518,584, published Nov. 4, 1947.
Revolvers. Smith and Wesson, Inc. 207,951, Jan. 12, 1926. Republished Feb. 10.

CLASS 10

Plant starter and fertilizer. Farmer Seed & Nursery Company. 436,561, Feb. 10; Serial No. 522,865, published Nov. 4, 1947.

CLASS 11

Inks, Printing. Sun Chemical Corporation. 436,540, Feb. 10; Serial No. 521,035, published Nov. 11, 1947.
Typewriter ribbon and carbon paper. Underwood Corporation. 436,417, Feb. 10; Serial No. 497,512, published Nov. 11, 1947.

CLASS 12

Heat-insulating materials. Armstrong Cork & Insulation Company. 194,016, Jan. 13, 1925. Republished Feb. 10.
Houses, engine houses, bull-wheel houses, etc., Belt. Parkersburg Rig and Reel Company. 237,561, renewed Jan. 10, 1948. O. G. Feb. 10.
Laths, Expanded-metal. North Western Expanded Metal Company. 232,949, renewed Sept. 20, 1947. O. G. Feb. 10.
Pipe jointing element. Presstite Engineering Company. 213,153, May 18, 1926. Republished Feb. 10.

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Shovels and spades. Skelton Shovel Co., Inc. 198,123, May 5, 1925. Republished Feb. 10.
Tractors, Two-wheel garden. National Machine Products. 436,421, Feb. 10; Serial No. 499,070, published Nov. 4, 1947.
Utensil, Kitchen. Ace Hardware Mfg. Corp'n. 198,148, May 5, 1925. Republished Feb. 10.
Wire-drawing machines and parts thereof. Vaughn Machinery Company. 209,787, Mar. 2, 1926. Republished Feb. 10.

CLASS 26

Calculating-machines. Marchant Calculating Machine Company. 149,592, renewed Jan. 5, 1948. O. G. Feb. 10.

CLASS 27

Watches, Wrist. Van Cleef & Arpels Inc. 436,571, Feb. 10; Serial No. 524,166, published Nov. 11, 1947.

CLASS 28

Flatware, hollowware, and cutlery, Sterling silver and silver-plated. Gorham Manufacturing Company. 436,591-3, Feb. 10.
Jewelry. J. A. Meyers & Co. Inc. 436,441, Feb. 10; Serial No. 507,136, published Nov. 11, 1947.
Rings, Finger. E. G. Bagger. 204,435, renewed Oct. 20, 1945. O. G. Feb. 10.
Rings, Wedding. Paramount Wedding Ring Company. 436,451, Feb. 10; Serial No. 508,856, published Nov. 11, 1947.

CLASS 35

Gaskets, Copper, leather, fibre, etc. R. Schaller. 436,420, Feb. 10; Serial No. 499,063, published Nov. 11, 1947.
Liners or linings. Brake-shoes. Russell Manufacturing Company. 239,502, renewed Mar. 6, 1948. O. G. Feb. 10.
Tires and tubes, Automobile. Illinois Agricultural Association. 436,448, Feb. 10; Serial No. 508,526, published Nov. 11, 1947.
Tires, Pneumatic. Societe Anonyme Solex. 436,419, Feb. 10; Serial No. 498,319, published Nov. 11, 1947.

CLASS 37

Binders, Loose-leaf-book. Helmn Company. 235,032-3, renewed Nov. 8, 1947. O. G. Feb. 10.
Paper, Toilet tissue. National Paper Products Company. 191,508, Nov. 11, 1924. Republished Feb. 10.

CLASS 38

Magazine, Monthly. Marion Steam Shovel Company. 234,195, renewed Oct. 18, 1947. O. G. Feb. 10.
Magazine, Weekly. Sunday School Times Company. 236,719, renewed Dec. 20, 1947. O. G. Feb. 10.
Publication, Monthly. Rand McNally and Company. 232,989, renewed Sept. 20, 1947. O. G. Feb. 10.
Publications. Mason Box Company. 282,770, Apr. 28, 1931. Canceled Jan. 13, 1948. O. G. Feb. 10.

CLASS 39

Apparel, Ladies'. Winter Bros. 436,494, Feb. 10; Serial No. 516,651, published Oct. 7, 1947.
Apparel, Women's, misses' and girls'. Austein Classics Inc. 436,474, Feb. 10; Serial No. 513,231, published Oct. 21, 1947.

Aprons, bathing suits, bathrobes, etc., Infant's, toddlers', children's, etc. Loomtogs, Inc. 436,459, Feb. 10; Serial No. 509,710, published Oct. 28, 1947.
Bloomers, panties, and underwear. Winget Kickernick Company. 436,438, Feb. 10; Serial No. 506,908, published Oct. 7, 1947.

Blouse, Men's jacket type. M. Marshall. 436,491, Feb. 10; Serial No. 516,491, published Oct. 14, 1947.
Blouses, skirts, jackets and dresses, Women's and misses'. Stave & Sauer. 436,475, Feb. 10; Serial No. 513,276, published Nov. 4, 1947.

Boots and shoes. International Shoe Company. 436,517, Feb. 10; Serial No. 518,605, published Oct. 7, 1947.
Boots and shoes. Regal Shoe Company. 192,239, Dec. 2, 1924. Republished Feb. 10.

Boots, shoes, slippers, etc. D. M. Read Co. 239,516, renewed Mar. 6, 1948. O. G. Feb. 10.

Brassieres. P. E. Deal. 436,495, Feb. 10; Serial No. 516,676, published Oct. 7, 1947.
Brassieres. J. Fields. 436,466, Feb. 10; Serial No. 511,460, published Oct. 28, 1947.

Brassieres. Kabo Corset Company. 436,461, Feb. 10; Serial No. 510,698, published Sept. 30, 1947.

Clothing. Columbia Garment Company, Inc. 436,595, Feb. 10.

Clothing, Men's. Padi Clothes Company. 436,454, Feb. 10; Serial No. 509,238, published Oct. 7, 1947.

Coats and jackets, leisure garments, Men's, boys', and juveniles' mackinaw. Green Bay Clothing Manufacturers, Inc. 436,535, Feb. 10; Serial No. 520,211, published Oct. 28, 1947.

Coats and jackets, railroad coats, etc., Men's, boys', and juveniles' mackinaw. Green Bay Clothing Manufacturers, Inc. 436,485, Feb. 10; Serial No. 515,551, published Nov. 11, 1947.

Coats and suits, Ladies' and misses'. I. Roback. 436,506, Feb. 10; Serial No. 518,040, published Sept. 30, 1947.

Coats and suits, Men's. Clinton Swan Clothes, Inc. 436,599, Feb. 10.

Coats and suits, Misses' and women's cloth. Cherubino Petti & Company, Inc. 436,509, Feb. 10; Serial No. 518,169, published Nov. 11, 1947.

Coats, Children's. Scher & Feldman, Inc. 436,568, Feb. 10; Serial No. 523,925, published Nov. 11, 1947.

Coats, combination coat and leggings sets, hats, Girls', children's, and infants'. Little Countess Girls' Coats, Inc. 436,437, Feb. 10; Serial No. 506,327, published Nov. 11, 1947.

Collars. Phillips-Jones Corporation. 172,170, renewed Jan. 5, 1948. O. G. Feb. 10.

Creepers, rompers, overalls, etc., Infants' and children's. Sweeney-Block & Co., Inc. 436,472, Feb. 10; Serial No. 512,541, published Sept. 30, 1947.

Dresses, aprons, and make-up capes, etc. Joffe-Savitt Company. 436,436, Feb. 10; Serial No. 505,841, published Oct. 14, 1947.

Dresses, blouses, skirts, etc., Children's, girls', teenage girls', ladies', and misses'. S. Mason. 436,489, Feb. 10; Serial No. 516,085, published Nov. 4, 1947.

Dresses, Children's. Mayer-Nock Company. 423,236, Aug. 27, 1946. Canceled Jan. 14, 1948. O. G. Feb. 10.

Dresses, Children's. Mayer-Nock Company. 423,378, Aug. 27, 1946. Canceled Jan. 14, 1948. O. G. Feb. 10.

Dresses, Children's. Mayer-Nock Company. 436,429, Feb. 10; Serial No. 503,458, published Nov. 5, 1946.

Dresses, cloth coats, pinafores, etc., Girls' (from infants to teen age inclusive). Picture Book Fashions. 436,408, Feb. 10; Serial No. 489,825, published Aug. 13, 1946.

Dresses, coats, suits, etc., Misses' and girls'. Associated Merchandising Corporation. 436,406, Feb. 10; Serial No. 488,684, published Oct. 29, 1946.

Dresses, suits, and coats, Ladies' and misses'. Louis Levine & Sons, Inc. of Ohio. 436,513, Feb. 10; Serial No. 518,537, published Oct. 14, 1947.

Dresses, suits, coats, etc., Ladies' and misses'. G. Duncan. 436,465, Feb. 10; Serial No. 511,458, published Nov. 4, 1947.

Dresses, Women's, misses', and junior misses'. Peerless Tailored Dresses. 436,597-8, Feb. 10.

Ensembles, Women's and misses'. C-J Scarf & Novelty Co. 436,486, Feb. 10; Serial No. 515,939, published Nov. 4, 1947.

Footwear, Women's. Frank H. Pfeiffer Co., Inc. 436,483, Feb. 10; Serial No. 514,988, published Oct. 21, 1947.

Gloves. R. Faré. 436,460, Feb. 10; Serial No. 510,667, published Oct. 14, 1947.

Gloves, Fabric, leather, and knitting. Gutmann-Mayer Glove Company. 436,456, Feb. 10; Serial No. 509,418, published Oct. 28, 1947.

Gloves, Household rubber. Faultless Rubber Company. 436,501, Feb. 10; Serial No. 517,712, published Nov. 4, 1947.

Gloves, Household rubber. Faultless Rubber Company. 436,550, Feb. 10; Serial No. 521,732, published Oct. 14, 1947.

Gloves of leather, fabric, and combinations of the same, Men's. O. C. Hansen Manufacturing Company. 195,034, Feb. 17, 1925. Republished Feb. 10.

Gowns, dresses, and two-piece suits. Blackman & Conrad Limited. 436,522, Feb. 10; Serial No. 518,715, published Oct. 14, 1947.

Hair nets. Feinstein Knitting Mills, Inc. 436,578-9, Feb. 10; Serial Nos. 525,204-5, published Nov. 11, 1947.

Hair nets. Feinstein Knitting Mills, Inc. 436,587-8, Feb. 10; Serial Nos. 526,213-14, published Nov. 11, 1947.

Handkerchiefs. Bram Scott & Co. 436,525, Feb. 10; Serial No. 519,420, published Nov. 11, 1947.

Hats and caps. E. M. Knox. 31,332, re-renewed Mar. 1, 1948. O. G. Feb. 10.

Hats, Felt. Klein Hat Corporation. 436,594, Feb. 10.

Hats, Men's. George S. Bailey Hat Company, Inc. 436,498, Feb. 10; Serial No. 517,605, published Nov. 11, 1947.

Hats, Women's. Joy I. McKie. 436,499, Feb. 10; Serial No. 517,649, published Nov. 11, 1947.

Hosiery. Eagle Rock Knitting Mills, Inc. 436,477, Feb. 10; Serial No. 513,391, published Nov. 11, 1947.

Hosiery. Paul Knitting Mills. 436,401, Feb. 10; Serial No. 474,506, published Mar. 19, 1946.

Hosiery. Phoenix Hosiery Company. 192,320, Dec. 2, 1924. Republished Feb. 10.

Hosiery. Richmond Hosiery Mills. 66,971, re-renewed Jan. 7, 1948. O. G. Feb. 10.

Jackets, Ladies' and misses' knitted and fabric. Joseph Guttman & Bros. 436,567, Feb. 10; Serial No. 523,680, published Nov. 11, 1947.

Neckties. Wembley Inc. 436,531, Feb. 10; Serial No. 519,999, published Oct. 7, 1947.

Neckties, Knitted. Phoenix Hosiery Company. 436,511, Feb. 10; Serial No. 518,318, published Nov. 11, 1947.

Neckwear, garment belts, suspenders, etc., Boys'. Fabill Mfg. Corp. 436,411, Feb. 10; Serial No. 493,184, published Oct. 21, 1947.

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Nightgowns, pajamas, slips, etc., Women's and girls'. Dutchess Underwear Corporation. 436,510, Feb. 10; Serial No. 518,209, published Oct. 14, 1947.

Outer garments, Women's. Edelson and Sons, Inc. 436,473, Feb. 10; Serial No. 513,103, published Oct. 21, 1947.

Overalls, pants, work and negligee shirts, etc. Happ Brothers Company. 235,549, renewed Nov. 22, 1947. O. G. Feb. 10.

Overcoats, suits, dresses, etc. Trans-Americas Trading Co. 436,479, Feb. 10; Serial No. 513,782, published Nov. 11, 1947.

Overcoats, topcoats, suits, etc. Continental Mills, Inc. 436,552, Feb. 10; Serial No. 521,855, published Nov. 11, 1947.

Pajamas, Misses'. D. S. Helm. 436,415, Feb. 10; Serial No. 496,623, published Oct. 7, 1947.

Panties and pantie girdles, Ladies' and misses'. Kickernick, Inc. 436,505, Feb. 10; Serial No. 518,009, published Oct. 14, 1947.

Rainwear. Robert Hall Clothes, Inc. 436,507, Feb. 10; Serial No. 518,041, published Nov. 11, 1947.

Shirts, negligee shirts, and work shirts, etc. Dress. Phillips-Jones Corporation. 178,907, renewed Jan. 5, 1948. O. G. Feb. 10.

Shirts, work shirts, pajamas, etc., Dress. S. Rosenbloom, Inc. 436,407, Feb. 10; Serial No. 488,975, published Aug. 27, 1946.

Shoes. Marx & Newman Company, Inc. 436,446, Feb. 10; Serial No. 508,486, published Nov. 11, 1947.

Shoes. T. F. Strub. 436,518, Feb. 10; Serial No. 518,628, published Oct. 7, 1947.

Shoes and slippers. Wohl Shoe Company. 436,519, Feb. 10; Serial No. 518,635, published Oct. 28, 1947.

Shoes, Children's. G. H. Rosen. 436,538, Feb. 10; Serial No. 520,529, published Oct. 28, 1947.

Shoes, Ladies'. S. Troy. 436,530, Feb. 10; Serial No. 519,904, published Oct. 14, 1947.

Shoes, Ladies'. Wilbar's, Inc. 436,534, Feb. 10; Serial No. 520,135, published Oct. 28, 1947.

Shorts, Men's. Cluett, Peabody & Co., Inc. 436,490, Feb. 10; Serial No. 518,113, published Nov. 11, 1947.

Shorts, swim shorts, beach shirts, etc., Infants', girls', misses', and women's play. Ben Fligel Co. 436,462, Feb. 10; Serial No. 511,077, published Nov. 11, 1947.

Slips and nightgowns, Ladies' and misses'. Pacemakers, Inc. 436,542, Feb. 10; Serial No. 521,286, published Nov. 11, 1947.

Slips, Ladies'. Barbizon Corporation. 436,532-3, Feb. 10; Serial Nos. 520,083-4, published Nov. 11, 1947.

Suspenders, garters, arm bands, etc. Pioneer Suspender Company. 204,317, Oct. 13, 1925. Republished Feb. 10.

Sweaters, Men's and boys'. David D. Doniger & Co., Inc. 436,484, Feb. 10; Serial No. 515,546, published Nov. 11, 1947.

Undergarments. Kickernick, Inc. 436,471, Feb. 10; Serial No. 512,264, published Oct. 7, 1947.

Undergarments. L. J. Schlaifer. 436,589, Feb. 10.

Underwear and sleeping garments. Garments, Incorporated. 436,443, Feb. 10; Serial No. 507,526, published Oct. 7, 1947.

Underwear, hosiery, and socks. Julius Kayser & Co. 436,444, Feb. 10; Serial No. 507,531, published Oct. 7, 1947.

Underwear, sweater coats, bathing suits, and hosiery, etc. Knitted. Schultz-Rosky-Block, Co. 191,725, Nov. 18, 1924. Republished Feb. 10.

Wearing apparel, Knitted. Manchester Knitted Fashions, Inc. 436,553, Feb. 10; Serial No. 522,049, published Nov. 11, 1947.

CLASS 40

Combs, barrettes, nonelectrical hair wavers. H. Goodman & Sons, Inc. 238,840, renewed Feb. 14, 1948. O. G. Feb. 10.

Combs, barrettes, nonelectrical hair wavers, etc. H. Goodman & Sons, Inc. 238,896, renewed Feb. 14, 1948. O. G. Feb. 10.

Emblems in the nature of applique, Felt. Fisch and Company, Inc. 235,247, renewed Nov. 15, 1947. O. G. Feb. 10.

CLASS 42

Chambray and gingham cotton goods in the piece. Riverside & Dan River Cotton Mills Inc. 233,688, renewed Oct. 4, 1947. O. G. Feb. 10.

Chambray in the piece. Colored. Riverside & Dan River Cotton Mills Inc. 235,082, renewed Nov. 8, 1947. O. G. Feb. 10.

Cloth, Water repellent textile. Cone Export & Commission Co., Inc. 436,481, Feb. 10; Serial No. 514,014, published Nov. 11, 1947.

Creme in the piece and in the bolt. Silk. Stix, Baer & Fuller Company. 238,990, renewed Feb. 21, 1948. O. G. Feb. 10.

Curtains and lace dinner cloths, Lace window. John Bromley & Sons, Inc. 436,503, Feb. 10; Serial No. 517,825, published Nov. 11, 1947.

Curtains, drapes, and curtain and drapery materials in the piece. Window. House Beautiful Curtains, Inc. 436,582, Feb. 10; Serial No. 525,833, published Nov. 4, 1947.

Curtains, Window. Beacon Looms, Inc. 436,850, Feb. 10; Serial No. 525,285, published Nov. 4, 1947.

Curtains, Window. Sato Textile Co. Inc. 436,512, Feb. 10; Serial No. 518,484, published Nov. 4, 1947.

Dress goods, Woolen. Atlantic Mills. 238,565, renewed Oct. 4, 1947. O. G. Feb. 10.

Fabrics in the piece, Fireproof awning. Cooley, Incorporated. 436,476, Feb. 10; Serial No. 513,296, published Nov. 11, 1947.

Fabrics in the piece, Textile. Concordia-Gallia Corporation. 436,581, Feb. 10; Serial No. 525,299, published Nov. 4, 1947.

Fabrics in the piece, Textile. Doucet, Inc. 436,482, Feb. 10; Serial No. 514,108, published Nov. 11, 1947.

Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 436,575, Feb. 10; Serial No. 524,971, published Nov. 11, 1947.

Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 436,586, Feb. 10; Serial No. 525,819, published Nov. 4, 1947.

Fabrics in the piece, Woolen. Pacific Mills. 436,418, Feb. 10; Serial No. 497,962, published Nov. 4, 1947.

Fabrics made from combination of ramie and rayon fibers. Sea Island Mills, Incorporated. 436,408, Feb. 10; Serial No. 482,768, published Nov. 11, 1947.

Fabrics, Woven textile. Foreman Fabrics Corp. 436,442, Feb. 10; Serial No. 507,385, published Nov. 4, 1947.

Fibrous material, Adhesively-integrated (a manufactured material). Respro Inc. 202,928, Sept. 8, 1925. Republished Feb. 10.

Padding cotton, table pads, and bed pads, Knitted. Padding Company. 210,127, Mar. 9, 1926. Republished Feb. 10.

Piece goods. Celanese Corporation of America. 436,416, Feb. 10; Serial No. 497,295, published Nov. 4, 1947.

Piece goods, Cotton. Bradshaw and Moore. 201,990, Aug. 11, 1925. Canceled Jan. 15, 1948. O. G. Feb. 10.

Piece goods made of cellulose acetate type yarns, alone and in admixture. Celanese Corporation of America. 436,564, Feb. 10; Serial No. 523,387, published Nov. 11, 1947.

Piece goods of cotton, silk, rayon, etc. Kingwear, Inc. 418,914, May 15, 1945. Canceled Jan. 19, 1948. O. G. Feb. 10.

Piece goods of cotton, wool, rayon, etc. Cohn-Hall-Marx Co. 436,563, Feb. 10; Serial No. 523,243, published Nov. 11, 1947.

Piece goods of cotton, wool, rayon, etc. Multi-Facet Diamond Corporation. 436,470, Feb. 10; Serial No. 512,082, published Nov. 4, 1947.

Piece goods of silk, rayon, and mixture of these materials. Duplan Silk Corporation. 233,838, renewed Oct. 11, 1947. O. G. Feb. 10.

Piece goods. Rayon. Duplex Fabrics Corporation. 436,553, Feb. 10; Serial No. 521,864, published Nov. 4, 1947.

Piece goods, Silk and rayon. M. & W. Thomas Co. 430,689, June 17, 1947. Canceled Jan. 20, 1948. O. G. Feb. 10.

Piece goods, Woolen. Forstmann & Hoffmann Company. 233,611, renewed Oct. 4, 1947. O. G. Feb. 10.

Rugs and floor mats of fibre, Fibre. Deltor Ruz Company. 436,549, Feb. 10; Serial No. 521,726, published Nov. 4, 1947.

Shade-cloth. Stewart Hartshorn Company. 436,569, Feb. 10; Serial No. 524,089, published Oct. 14, 1947.

Sheets and pillowcases. Marshall Field & Company. 169,991, July 10, 1923. Republished Feb. 10.

Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 422,636, Aug. 6, 1946. Canceled Jan. 6, 1948. O. G. Feb. 10.

CLASS 44

Dental rolls and absorbent dental pads, Absorbent. Kimberly-Clark Company. 207,306, Dec. 29, 1925. Republished Feb. 10.

Gun massaging attachments for toothbrushes. Pycpe, Inc. 429,823, May 20, 19

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Bread. Kommanditbolaget Spis- & Knackebrodsfabriken Kronan. 333,063, Mar. 10, 1936. Canceled Jan. 15, 1948. O. G. Feb. 10.
 Candy. Loft Candy Company. 436,543, Feb. 10; Serial No. 521,350, published Nov. 4, 1947.
 Candy. Palmer Candy Co. 238,721, renewed Feb. 14, 1948. O. G. Feb. 10.
 Candy. Specialty Service Supply, Inc. 436,529, Feb. 10; Serial No. 519,779, published Nov. 11, 1947.
 Canned cranberries. United Cape Cod Cranberry Company. 194,297, Jan. 20, 1925. Republished Feb. 10.
 Canned cranberries. United Cape Cod Cranberry Company. 196,795, Mar. 31, 1925. Republished Feb. 10.
 Canned fish. Franco-Italian Packing Co. 237,918, renewed Jan. 24, 1948. O. G. Feb. 10.
 Canned fish, etc. Gorton-Pew Fisheries Company Ltd. 238,591, renewed Feb. 14, 1948. O. G. Feb. 10.
 Canned fish, pickled fish, and dry salted fish. Fortmann, Doscher & Co., Inc. 436,468, Feb. 10; Serial No. 511,740, published Nov. 11, 1947.
 Canned fruits and packaged dried fruits, etc. Lewis-Hubbard Corporation. 436,439, Feb. 10; Serial No. 506,951, published Nov. 11, 1947.
 Canned peas and beans. Gillett Canning Company. 210,978, Mar. 30, 1926. Republished Feb. 10.
 Canned vegetables, particularly peas and corn. Inderrieden Canning Co. 168,104, May 15, 1923. Republished Feb. 10.
 Cheese. B. Westergaard & Co. 236,605, renewed Dec. 20, 1947. O. G. Feb. 10.
 Coconut oil. Southern Cotton Oil Company. 436,515, Feb. 10; Serial No. 518,567, published Nov. 11, 1947.
 Codfish. Dried and salted. Gorton-Pew Fisheries Company Ltd. 232,673, renewed Sept. 13, 1947. O. G. Feb. 10.
 Corn-oil. C. S. Simonin's Sons, Inc. 192,897, Dec. 16, 1924. Republished Feb. 10.
 Deodorized, vegetable stearin for food purposes. Procter and Gamble Company. 199,771, June 16, 1925. Republished Feb. 10.
 Eggs, Fresh. C. M. Collins. 436,500, Feb. 10; Serial No. 517,705, published Nov. 4, 1947.
 Feed, Chicken. Josey-Miller Co. 237,507, renewed Jan. 10, 1948. O. G. Feb. 10.
 Feed, Gluten. Corn Products Refining Company. 436,453, Feb. 10; Serial No. 509,140, published Nov. 11, 1947.
 Fig bars. Loose-Wiles Biscuit Company. 236,250, renewed Dec. 6, 1947. O. G. Feb. 10.
 Fish, Cured. Gorton-Pew Fisheries Company Ltd. 232,076, Aug. 30, 1947. O. G. Feb. 10.
 Fish, Cured. Gorton-Pew Fisheries Company Ltd. 232,672, renewed Sept. 13, 1947. O. G. Feb. 10.

Fish, Smoked and dried. Gorton-Pew Fisheries Company Ltd. 232,895, renewed Sept. 20, 1947. O. G. Feb. 10.
 Flour, Wheat. Hecker-Jones-Jewell Milling Company. 172,756, Sept. 11, 1923. Republished Feb. 10.
 Flour, Wheat. Northwestern Consolidated Milling Company. 167,627, May 1, 1923. Republished Feb. 10.
 Flour, Wheat. Southwestern Milling Company, Inc. 208,270, Jan. 26, 1926. Republished Feb. 10.
 Food flavoring concentrates. Preferred Food Products, Inc. 436,430, Feb. 10; Serial No. 503,828, published Nov. 4, 1947.
 Mayonnaise. S. Gelfand. 239,250, renewed Feb. 28, 1948. O. G. Feb. 10.
 Milk, fresh cream, fresh cultured buttermilk, etc. Golden Guernsey Farms, Inc. 436,458, Feb. 10; Serial No. 509,576, published Nov. 4, 1947.
 Oil, Hardened vegetable. Southern Cotton Oil Company. 436,514, Feb. 10; Serial No. 518,566, published Nov. 4, 1947.
 Peanut butter. F. M. Hoyt. 67,578, re-renewed Feb. 11, 1948. O. G. Feb. 10.
 Pig skin tidbits, Fried. R. L. Wade. 436,478, Feb. 10; Serial No. 513,700, published Nov. 11, 1947.
 Pork rinds, Fried. Rolet Food Products Co., Inc. 436,410, Feb. 10; Serial No. 493,077, published Oct. 28, 1947.
 Potatoes, Raw. R. L. Douglass. 226,500, renewed Apr. 12, 1947. O. G. Feb. 10.
 Rice. Converted Rice, Inc. 436,523, Feb. 10; Serial No. 518,876, published Nov. 11, 1947.
 Sandwiches. Automatic Canteen Company of America. 436,447, Feb. 10; Serial No. 508,509, published Nov. 4, 1947.
 Sauce, Barbecue. E. H. Wright Company, Ltd. 356,566, May 3, 1938. Canceled Jan. 9, 1948. O. G. Feb. 10.
 Vegetables, Fresh. Ruskin Vegetable Distributors. 436,496, Feb. 10; Serial No. 517,202, published Nov. 4, 1947.
 Vegetables, Fresh. Salinas Valley Vegetable Exchange. 436,399, Feb. 10; Serial No. 466,022, published Sept. 12, 1944.
 Wheat-flour. Thornton & Chester Milling Company. 67,064, re-renewed Jan. 14, 1948. O. G. Feb. 10.

CLASS 47

Vermouth. Alaj Corporation. 323,810, Apr. 30, 1935. Canceled Jan. 9, 1948. O. G. Feb. 10.

CLASS 49

Whiskey. Bushmill Wine & Products Company, Inc. 314,614, July 3, 1934. Corrected. O. G. Feb. 10.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Begun, Semi J., Cleveland Heights, assignor to Magnetron, Inc., Cleveland, Ohio. Magnetic sound recording and reproducing. Re. 22,970, Feb. 10.
 Burgess, Charles F., deceased, Bokeella, Fla., by O. W. Storey, Wheaton, Ill., trustee. Capillary transducer. Re. 22,971, Feb. 10.
 Fritzinger, George H., West Orange, N. J., assignor of one-half to H. J. Kendall, Brooklyn, N. Y. Device for and method of using adhesive tape. Re. 22,972, Feb. 10.
 Kendall, Harold J., assignee: See—
 Fritzinger, George H.
 Kurts, Edward F., assignor to Metals & Controls Corporation, Attleboro, Mass. Protective circuit. Re. 22,973, Feb. 10.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Electron beam discharge device system with resonant electrode. Re. 22,974, Feb. 10.
 Magnetron, Inc., assignee: See—
 Begun, Semi J.
 Metals & Controls Corporation, assignee: See—
 Kurtz, Edward F.
 Radio Corporation of America, assignee: See—
 Linder, Ernest G.
 Storey, Oliver W., trustee: See—
 Burgess, Charles F.

LIST OF PLANT PATENTEEES

Krider Nurseries, Inc., assignee: See—
 Watkins, Archibald F.
 Watkins, Archibald F., Tyler, Tex., assignor to Krider Nurseries, Inc., Middlebury, Ind. Rose plant. 784, Feb. 10.

LIST OF DESIGN PATENTEEES

Abrams, Norman H., Indianapolis, Ind. Combined mantel clock and plant receptacles. 148,597, Feb. 10.
 Anderson, Robert I., Grand Haven, and R. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Opera chair end standard or the like. 148,598, Feb. 10.
 Arpin, Leonard G., Montclair, N. J. Earring or similar article. 148,599, Feb. 10.
 Arpin, Leonard G., Montclair, N. J. Earring or similar article. 148,600, Feb. 10.
 Becher, Wesley R., Wethersfield, assignor to The Silex Company, Hartford, Conn. Filter for coffee makers. 148,601, Feb. 10.
 Bemis, Ken E., Oakland, Calif. Waffle. 148,602, Feb. 10.
 Berg, Otto E., Washington, D. C. Book-end. 148,603, Feb. 10.
 Bigar, Roger, New York, N. Y. Bottle. 148,604, Feb. 10.
 Brannon, Herbert E., deceased, Dryden, Mich.; C. W. Hayner, administrator. Pressure cooker. 148,605, Feb. 10.
 Brannon, Herbert E., deceased, Dryden, Mich.; C. W. Hayner, administrator. Pressure cooker. 148,606, Feb. 10.
 Bristol Steel & Iron Works, Inc., assignee: See—
 Ferguson, Robert O.
 Broadbent, Hugh W., Ogden, Utah. Display device. 148,607, Feb. 10.
 Brunswick-Balke-Collender Company, The, assignee: See—
 Anderson, Robert I., and Hoeker.
 Bullock, Alden D., Seattle, Wash. Combined aquarium and coffee table. 148,608, Feb. 10.
 Canal National Bank of Portland, The, assignee: See—
 Parsons, Wallace E., and Randall.
 Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 148,609, Feb. 10.
 Flaker, Jacob E., Barberton, Ohio. Rubber dolly or similar article. 148,609, Feb. 10.
 Florence Stove Company, assignee: See—
 Reeves, Herbert M.
 Fosgood Corporation, assignee: See—
 Ulvad, Bernard.
 Friedman, Joseph, New York, N. Y. Shadow box mirror. 148,610, Feb. 10.
 Friedman, Joseph, New York, N. Y. Shadow box mirror. 148,611, Feb. 10.
 Friedman, Joseph, New York, N. Y. Shadow box mirror. 148,612, Feb. 10.
 Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,613, Feb. 10.

Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,614, Feb. 10.
 Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,615, Feb. 10.
 Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,616, Feb. 10.
 Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,617, Feb. 10.
 Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,618, Feb. 10.
 Graham, Elizabeth N., New York, N. Y. Container for a perfume bottle or the like. 148,619, Feb. 10.
 Green, George G., San Jose, Calif. Combined mixer and mold for margarine and other food products. 148,620, Feb. 10.
 Hayner, Charles W., administrator: See—
 Brannon, Herbert E.
 Herman, Fred, Cleveland, Ohio. Wrench. 148,621, Feb. 10.
 Hillman, Pauline, Hillside, N. J. Escutcheon for door bell push buttons. 148,622, Feb. 10.
 Hingelberg, Vilhelm, Aarhus, Denmark. Wine pitcher. 148,623, Feb. 10.
 Hoeker, Bert: See—
 Anderson, E. Robert, and Hoeker.
 Hooven, Howard, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,624, Feb. 10.
 Kansteiner, Walter P., Columbus, Tex. Rug. 148,625, Feb. 10.
 Kitterman, Don M., Kansas City, Kans. Fruit juicer. 148,626, Feb. 10.
 La Mont, Herbert D., Huntington, Ind. Dutch oven or the like. 148,627, Feb. 10.
 Lindex Distributors, Inc., assignee: See—
 Witsenburg, Maartem.
 Macpherson, Mildred, New York, N. Y. Dress. 148,628, Feb. 10.
 Macpherson, Mildred, New York, N. Y. Dress. 148,629, Feb. 10.
 Macpherson, Mildred, New York, N. Y. Dress. 148,630, Feb. 10.
 Marcus, William, Cleveland, Ohio. Paper holder. 148,631, Feb. 10.
 Martin, Jackson R., Grand Rapids, Mich. Foot support. 148,632, Feb. 10.
 Morningstar Corporation, The, assignee: See—
 Morningstar, Otto.
 Morningstar, Otto, Newton, assignor to The Morningstar Corporation, Cambridge, Mass. Toothbrush holder. 148,633, Feb. 10.

LIST OF DESIGN PATENTEES

Nelson-Bringolf, Inc., assignee: *See—*
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,634, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,635, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,636, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,637, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,638, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,639, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,640, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,641, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,642, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,643, Feb. 10.
 Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,644, Feb. 10.
 Parsons, Wallace E., and W. H. Randall, Waterville, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, as trustee. Pack for fragile articles. 148,645, Feb. 10.
 Plastic Art Toy Corporation of America, assignee: *See—*
 Robinson, James P.
 Quaker Lace Company, assignee: *See—*
 Hooven, Howard.
 Randall, Walter H.: *See—*
 Parsons, Wallace E., and Randall.
 Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Top burner assembly for gas cookstoves. 148,646, Feb. 10.
 Robinson, James P., Paterson, assignor to Plastic Art Toy Corporation of America, Rutherford, N. J. Toy pistol. 148,647, Feb. 10.
 Rodman, Clarence J., Alliance, Ohio. Bathtub. 148,648, Feb. 10.
 Rost, Kathryn, New York, N. Y. Dress. 148,649, Feb. 10.

Silex Company, The, assignee: *See—*
 Becher, Wesley R.
 Snodgrass, Robert W., Mount Morris, Mich. Combined cigarette lighter and case. 148,650, Feb. 10.
 Steele, Milton, Coral Gables, Fla. Condiment shaker. 148,651, Feb. 10.
 Steingruber, George, Atlanta, Ga. Portable electric space heater. 148,652, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,653, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,654, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,655, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,656, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,657, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,658, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,659, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,660, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,661, Feb. 10.
 Strassner, John F., New York, N. Y. Dress. 148,662, Feb. 10.
 Thompson, Gran-vill, Joplin, Mo. Combined hat and coat rack. 148,663, Feb. 10.
 Ulvad, Bernard, assignor to Fosgood Corporation, Leominster, Mass. Napkin holder or the like. 148,664, Feb. 10.
 Valenstein, Samuel, New York, N. Y. Robe or similar article. 148,665, Feb. 10.
 Vincent-McCall Company, The, assignee: *See—*
 Vincent, William W., Jr.
 Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chaise longue. 148,666, Feb. 10.
 Vozzella, Michael, Malden, Mass. Candlestick. 148,667, Feb. 10.
 Witsenburg, Maartem, assignor to Lindex Distributors, Inc., New York, N. Y. Textile fabric. 148,668, Feb. 10.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,435,563, Feb. 10.
 Adams, Daniel O., and G. B. Hughey, Covington, Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Peroxide bleaching of ground wood. 2,435,566, Feb. 10.
 Adams, Edward J., Kent, Ohio. Exercising device. 2,435,564, Feb. 10.
 Adlake Company, The, assignee: *See—*
 Larson, Carl H.
 Advertisers' Service Division Incorporated, The, assignee: *See—*
 Gewirtzman, Morris.
 Aeration Processes, Inc., assignee: *See—*
 Getz, Charles A.
 Air Products Incorporated, assignee: *See—*
 Anderson, Carl R.
 Aktiebolaget Separator-Nobel: *See—*
 Forsberg, Erik A.
 Albanese, Michael, Rutherford, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Method and apparatus for molding wire core temples. 2,435,567, Feb. 10.
 Alexander, William W., Atlanta, Ga. Moving-picture projection screen. 2,435,620, Feb. 10.
 Allied Chemical & Dye Corporation, assignee: *See—*
 Beckham, Leland J.
 Sutherland, Leslie T.
 Allison, William D., Detroit, Mich. Wheel supporting structure. 2,435,814, Feb. 10.
 Ambrose, Merrill W., Roxbury, Mass. Welding apparatus. 2,435,815, Feb. 10.
 American Casting & Manufacturing Corporation, assignee: *See—*
 Dietze, Emil.
 American Cyanamid Company, assignee: *See—*
 Vitalis, Emil A.
 American Dairies Incorporated, assignee, et al.: *See—*
 Turner, Charles W., and Reineke.
 American Steel and Wire Company, The, assignee: *See—*
 Saviers, Robert H.
 American Viscose Corporation, assignee: *See—*
 Lodge, Alvin.
 Anderson, Carl R., assignor to Air Products Incorporated, Detroit, Mich. Expansion valve. 2,435,731, Feb. 10.
 Anderson, Frederick, Hawthorne, assignor to A. Brearley, and V. M. Bramel, Monterey Park, Calif. Telephone receiver support. 2,435,816, Feb. 10.
 Anderson, Hershell N., Washington, D. C. Protecting river banks. 2,435,568, Feb. 10.
 Anderson, Ralph V., Valencia, Pa. Saw table. 2,435,765, Feb. 10.
 Anish, Alfred W., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Chain substituted cyanine dyes containing a carbonyl and thio-carbonyl group. 2,435,865, Feb. 10.
 Applebaum, Litman, Brooklyn, N. Y. Hinge for eyepiece and temple for spectacles. 2,435,918, Feb. 10.
 Armour Research Foundation, assignee: *See—*
 Camras, Marvin.
 Ateliers Neyret-Beylier & Piccard-Pictet Societe Anonyme, assignee: *See—*
 Danel, Pierre F.
 Attorney General of the United States, The: *See—*
 Hintze, Gustav.
 Perrean, Armand R. E. A.
 Atwood, Horace, Jr., Belleville, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Radio dial scales projector. 2,435,564, Feb. 10.
 Automatic Electric Laboratories, Inc., assignee: *See—*
 Grandstaff, Otho D.
 Automatic Manufacturing Corporation, assignee: *See—*
 Ketcham, Lyman G.
 Ayers, George W., and P. Lyon, assignors to The Pure Oil Company, Chicago, Ill. Refining hydrocarbon liquids. 2,435,732, Feb. 10.
 Bale, Joseph J., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wiper for use in metal plating apparatus. 2,435,766, Feb. 10.
 Banschbach, Edward A., Madison, Wis. Vehicle arrestor. 2,435,919, Feb. 10.
 Barker, Seth S., Ottumwa, Iowa. Apparatus for conveying and assorting poultry according to weight. 2,435,706, Feb. 10.
 Barrow, Wilmer L., Newton, Mass., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Synchronized radio transmission. 2,435,569, Feb. 10.

Basdekis, Costas H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Halostyrene polymers. 2,435,767, Feb. 10.
 Bastian-Blessing Company, The, assignee: *See—*
 McMahon, Alexander F.
 Bates, Donald, Baker, Oreg. Heel sander. 2,435,642, Feb. 10.
 Bauman, William C.: *See—*
 Hornbacher, Herbert G., and Bauman.
 Bautz, Frederick, Chicago, Ill., assignor to International Harvester Company. Superfinishing device for curved surfaces. 2,435,565, Feb. 10.
 Bean, Morris, Yellow Springs, Ohio. Molding flexible patterns. 2,435,643, Feb. 10.
 Beckett, Joseph A., and S. S. Berry, assignors to The General Tire & Rubber Company, Akron, Ohio. Geometrical measuring means for determining inflation pressure of loaded pneumatic tires. 2,435,644, Feb. 10.
 Beckham, Leland J., Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Nitrosyl halide addition product of allyl-type olefinic higher hydrocarbons. 2,435,570, Feb. 10.
 Behringer, Charles F., Los Angeles, and L. Rogers, Wilmington, Calif. Play shoe or the like. 2,435,668, Feb. 10.
 Bell, Edward R.: *See—*
 Vaughan, William E., and Bell.
 Bell Telephone Laboratories, Incorporated, assignee: *See—*
 Harry, William R.
 Hartman, Paul L.
 Mason, Warren P.
 Oliver, Bernard M.
 Rorden, Henry C.
 Schelknap, Sergei A.
 Sproul, Philip T.
 Belyeu, Henry, Houston, Tex. Supplemental motor vehicle seat. 2,435,733, Feb. 10.
 Bemis Bro. Bag Company, assignee: *See—*
 Seimer, William J.
 Bendix Aviation Corporation, assignee: *See—*
 Childs, Robert S.
 Fusco, Anthony J., and Bleiweis.
 Benlof, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Spark gap. 2,435,571, Feb. 10.
 Bergstrom, Carl O., Boston, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Axial flow fan. 2,435,645, Feb. 10.
 Berry, Stephen S.: *See—*
 Beckett, Joseph A., and Berry.
 Best Foods, Inc., The, assignee: *See—*
 Gooding, Chester M., and Rich.
 Biggs, John L., Chicago, Ill. Pusher conveyor unit. 2,435,768, Feb. 10.
 Bilhuber, Paul H., Douglas Manor, N. Y. Fluid-operated apparatus for producing molded articles. 2,435,866, Feb. 10.
 Birlec Limited, assignee: *See—*
 Robiette, Alfred G. E., and Hancock.
 Bishop & Babcock Manufacturing Company, The, assignee: *See—*
 Curtis, Walter A.
 Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulation. 2,435,572, Feb. 10.
 Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulation. 2,435,573, Feb. 10.
 Bleiweis, Jerome L.: *See—*
 Fusco, Anthony J., and Bleiweis.
 Borland, John, assignor to Clark Equipment Company, Buchanan, Mich. Floating external contracting brake construction. 2,435,867, Feb. 10.
 Boskovich, Milan N., Midvale, Utah, assignor of forty-nine one-hundredths to A. O. Hall. Mechanical mucker. 2,435,669, Feb. 10.
 Bouton, H. L., Company, assignee: *See—*
 Maurer, Frank W.
 Bowser, Inc., assignee: *See—*
 Harvuot, Frank B.
 Boyd, Frank C., Santa Fe Springs, H. E. Hester, Los Angeles, and P. A. Medearis, Southgate, Calif. Drill pipe protector applicator. 2,435,868, Feb. 10.
 Boynton, Erwin R., Schenectady, and W. T. Rauch, Patersonville, N. Y., assignors to General Electric Company. Electromagnet with plunger. 2,435,817, Feb. 10.

Bramel, Vera M., assignee, et al.: *See—*
Anderson, Frederick.
Bray, Ulric B., Palos Verdes Estates, and J. K. Russell, Los Angeles, Calif. Method of and apparatus for treating oil. 2,435,707, Feb. 10.
Bray, Ulric B., Palos Verdes Estates, and J. K. Russell, Los Angeles, Calif. Method of and apparatus for filtering oil. 2,435,734, Feb. 10.
Brearley, Albert, assignee, et al.: *See—*
Anderson, Frederick.
Briggs, Charles D., assignor to O. S. Walker Co., Inc., Worcester, Mass. Magnetic chuck. 2,435,735, Feb. 10.
Bristol Company, The, assignee: *See—*
Mabey, Charles A.
Brooks, John W., Wenonah, and J. B. Kirkpatrick, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Purifying a hydrocarbon material containing organic halogen compounds as impurities. 2,435,821, Feb. 10.
Brown Instrument Company, The, assignee: *See—*
Jones, Harry S.
Bruson, Herman A., and T. W. Riener, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoethylated formals and their preparation. 2,435,869, Feb. 10.
Buehler, Allan M., assignor to Eastern Steel Products Limited, Preston, Ontario, Canada. Closure for hoppers and the like. 2,435,870, Feb. 10.
Burns, Cloyd E., Stamford, Conn. Punching machine. 2,435,874, Feb. 10.
Burroughs, Louis R., assignor to Electro-Voice Manufacturing Co., Inc., South Bend, Ind. Balanced granular microphone. 2,435,920, Feb. 10.
Burton, Lawrence A.: *See—*
Crever, Frederick E., and Burton.
Bush, Burton T., Inc., assignee: *See—*
Gump, William S.
Luthy, Max, and Gump.
Byrns, Alva C., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Production of synthetic isoparaffinic oil. 2,435,708, Feb. 10.
Campos, Louis H., New York, N. Y. Quick-detachably connecting a handbag to its framework. 2,435,870, Feb. 10.
Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Recording and reproducing head for wire recorders. 2,435,871, Feb. 10.
Cann, John A., Bickley, assignor to Turner & Newall Limited, Spotland, Rochdale, England. Process and apparatus for the manufacture of asbestos-cement products. 2,435,846, Feb. 10.
Carnahan, Chalou W., Oak Park, assignor to Zenith Radio Corporation, Chicago, Ill. Frequency modulated picture receiver. 2,435,736, Feb. 10.
Carnegie Illinois Steel Corporation, assignee: *See—*
Wells, Joseph H., and Wilson.
Carriere, John G.: *See—*
Collier, Robert T., and Carriere.
Carson, George J., Worcester, Mass., assignor to O. S. Walker Company, Inc. Magnetic chuck top plate. 2,435,737, Feb. 10.
Carter, William, Company, The, assignee: *See—*
Redmond, Harriet L.
Celanese Corporation of America, assignee: *See—*
Seymour, George W., Ward, and Hunter.
Chafee, Earl W., Great Neck, and H. C. Van Anken, Manhasset, N. Y., assignors to The Sperry Corporation. Bomb release mechanism. 2,435,575, Feb. 10.
Cheyney, La Verne E., and C. R. Parks, assignors to Wingfoot Corporation, Akron, Ohio. Stabilizers for vinyl polymers. 2,435,769, Feb. 10.
Chicago Coin Machine Co., assignee: *See—*
Ellenberger, Stanley D.
Chicago Hardware Foundry Company, The, assignee: *See—*
Franklin, Raymond J.
Chicago Rawhide Manufacturing Company, assignee: *See—*
Nehls, Arthur G. C.
Childs, Robert S., Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Reproducing motion. 2,435,709, Feb. 10.
Clark, Carl L.: *See—*
Clark, Earl W., and C. L.
Clark, Earl W., Stuart, Fla. Sharpening device for knives. 2,435,872, Feb. 10.
Clark, Earl W., and C. L., Warren, Ohio. Knife sharpening device. 2,435,871, Feb. 10.
Clark Equipment Company, assignee: *See—*
Borland, John.
Clarke, Edgar W., Hamilton, Ontario, Canada, assignor to Intervoven Stocking Company, New Brunswick, N. J. Circular knit hosiery. 2,435,770, Feb. 10.
Clarke, Edgar W., Hamilton, Ontario, Canada, assignor to Intervoven Stocking Company, New Brunswick, N. J. Circular knitting machine. 2,435,771, Feb. 10.
Clarke, Philip C., Line Lexington, assignor to Hunter Pressed Steel Company, Lansdale, Pa. Method and apparatus for testing wire. 2,435,772, Feb. 10.

Clarkson, John L., Nashville, Ill. Clutch control device. 2,435,873, Feb. 10.
Clayton, Andrew B., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,435,937, Feb. 10.
Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Butadiene-1,3-ethyl alpha phenylacrylate copolymer. 2,435,874, Feb. 10.
Clifford, Albert M., and J. G. Lichty, Stow, assignors to Wingfoot Corporation, Akron, Ohio. Butadiene-acrylonitrile copolymer plasticized with isobutyl beta isobutoxy propionate. 2,435,773, Feb. 10.
Cohen, May M., assignee: *See—*
Cohen, Meyer.
Cohen, Meyer, assignor to M. M. Cohen, Forest Hills, N. Y. Holder. 2,435,818, Feb. 10.
Colgate-Palmolive-Peet Company, assignee: *See—*
Ittner, Martin H.
Collier, Robert T., Palos Verdes Estates, and J. G. Carriere, Long Beach, assignors, by mesne assignments, to Union Oil Company of California, Los Angeles, Calif. Producing sulfur dioxide from waste sulfuric acid-hydrocarbon containing material. 2,435,710, Feb. 10.
Columbia Protektosite Company, Inc., assignee: *See—*
Albanese, Michael.
Combustion Engineering Company, Inc., assignee: *See—*
Wall, Marion P.
Continental Can Company, Inc., assignee: *See—*
Hoffecker, John W., Wilson, and Nenstiehl.
Cottrell, C. B., & Sons Company, assignee: *See—*
Luehrs, Hans J.
Coulson, Silas, Jackson Heights, N. Y. Electroplating cylinders. 2,435,872, Feb. 10.
Crafton, Henry H., Baden, assignor to H. H. Robertson Company, Pittsburgh, Pa. Fastener inserting tool. 2,435,738, Feb. 10.
Crane Co., assignee: *See—*
Fawkes, Donald G., and Venton.
Pluta, John J., Mayer, and St. John.
Crary, Charles H., Hammond, Ind. Automatic change check. 2,435,873, Feb. 10.
Crever, Frederick E., Scotia, and L. A. Burton, Schenectady, N. Y., assignors to General Electric Company. Aircraft cabin pressure control arrangement. 2,435,819, Feb. 10.
Crofton, Wilfred B., Illovo, assignor of one-half to Koppel Engineering (Proprietary) Limited, Johannesburg, Transvaal, Union of South Africa. Stroke control for reciprocating pumps. 2,435,711, Jan. 30.
Crompton & Knowles Loom Works, assignee: *See—*
Sepavich, Victor F.
Cronrath, Paul, Spokane, Wash. Fruit picking bag. 2,435,921, Feb. 10.
Curley, Robert S., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Cotton picker and similar machine. 2,435,938, Feb. 10.
Curtis, Walter A., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat valve and spring therefor. 2,435,875, Feb. 10.
Curtiss-Wright Corporation, assignee: *See—*
Davis, Harold J.
Cutler-Hammer, Inc., assignee: *See—*
Richter, Walther and E.
Cutler, Jacob, Matapan, Mass., assignor to Maryland Baking Company, Inc., Baltimore, Md. Mechanism for applying adhesive to blanks in jacket forming machines. 2,435,739, Feb. 10.
Danel, Pierre F., assignor to Ateliers Neyret-Beylier & Piccard-Pictet [Societe Anonyme], Grenoble, France. Concentration canal of installations for recovering energy from sea waves. 2,435,576, Feb. 10.
Davey, Paul H., Kent, Ohio. Six-cylinder crank throw arrangement. 2,435,874, Feb. 10.
Davis, Harold J., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Tab control mechanism. 2,435,922, Feb. 10.
Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Spot-welding mechanism. 2,435,577, Feb. 10.
De Lore, Andrew, New York, N. Y. Heating and cooling system for houses. 2,435,875, Feb. 10.
De Orlow, Stephen, assignor to Hancock Manufacturing Company, Jackson, Mich. Vehicle jack. 2,435,693, Feb. 10.
De Stefano, John, Jackson Heights, N. Y. Ice preventing means for propellers. 2,435,712, Feb. 10.
De Swart, Jan, Los Angeles, Calif., assignor by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Blind bolt. 2,435,876, Feb. 10.
Dewey and Almy Chemical Company, assignee: *See—*
Tompkins, Norman G.
Dexter Folder Company, assignee: *See—*
Williams, Leo C.
Dietze, Emil, Richmond Hill, assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y. Hesp seal. 2,435,713, Feb. 10.
Diggs, Lemuel W., Whitehaven, Tenn., assignor to the United States of America, as represented by the Secretary of War. Transfusion equipment. 2,435,820, Feb. 10.

Di Pietro, Carmelo V., Birmingham, Mich. Refrigerated liquid dispensing apparatus. 2,435,774, Feb. 10.
Distillation Products, Inc., assignee: *See—*
Kuipers, George A.
Doucet, John B., Chicago, Ill. Thimble. 2,435,877, Feb. 10.
Dow Chemical Company, The, assignee: *See—*
Fitzgerald, Charles D., and Lynn.
Hornbacher, Herbert G., and Bauman.
Du Mont, Allen B., Laboratories, Inc., assignee: *See—*
Atwood, Horace, Jr.
Goldsmith, Thomas T., Jr., and Mann.
Dunning, Robert M., assignor to Waldorf Paper Products Company, St. Paul, Minn. Method and apparatus for sealing cartons by suction. 2,435,878, Feb. 10.
Du Pont, E. I., de Nemours & Company, assignee: *See—*
Jennings, Andrew B.
Eastern Steel Products Limited, assignee: *See—*
Buehler, Allan M.
Eastman Kodak Company, assignee: *See—*
Vittum, Paul W., Weissberger, and Wilder.
Eaton Manufacturing Company, assignee: *See—*
Voorhies, Carl.
Eckhardt, Paul K., O'Hara Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,435,821, Feb. 10.
Edwards, James H., Village of Welland Junction, Ontario, Canada. Trip mechanism for power shovels. 2,435,740, Feb. 10.
Ellenberger, Stanley D., Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co. High-speed transmission communication apparatus. 2,435,879, Feb. 10.
Ellenberger, Stanley D., Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co. Electronic control system. 2,435,880, Feb. 10.
Electro Metallurgical Company: *See—*
Franks, Russell.
Electro-Voice Manufacturing Co., Inc., assignee: *See—*
Burroughs, Louis B.
Elliott, Kathleen M., executrix, assignee: *See—*
Moffatt, Reginald J.
Elliot, William H.: *See—*
Richter, Walther and E.
Engseth, Martin O., Minneapolis, Minn. Grease gun. 2,435,847, Feb. 10.
Erickson, Prentiss E., Minneapolis, Minn. Arch support. 2,435,822, Feb. 10.
Esmco Auto Products Corp., assignee: *See—*
Greene, David.
Faerber, Harry W., Larchmont, assignor to Time, Inc., New York, N. Y. Web folding mechanism. 2,435,881, Feb. 10.
Fawkes, Donald G., Chicago, and F. R. Venton, Elmhurst, assignors to Crane Co., Chicago, Ill. Valve seat. 2,435,882, Feb. 10.
Federal Products Corporation, assignee: *See—*
Worthen, John H.
Federal Telephone and Radio Corporation, assignee: *See—*
Tilston, Clarence A.
Feraez, Nicolas, Jr., St. Louis, Mo. Apparatus for collecting liquid sediments. 2,435,578, Feb. 10.
Fielding, Edgar C., Walsall, England. Grinding machine and other rotary abrasive or cutting machine. 2,435,822, Feb. 10.
Files, Glenn W., deceased, Elmwood Park, by A. M. Files, executrix, assignor to General Electric X-Ray Corporation, Chicago, Ill. Roentgenological method and apparatus. 2,435,823, Feb. 10.
Fitzgerald, Charles D., and G. E. Lynn, assignors to The Dow Chemical Company, Midland, Mich. Herbicide. 2,435,878, Feb. 10.
Fleenor, Warren O., Stafford, N. Y. Combined tongs and magnifying glass. 2,435,741, Feb. 10.
Flory, Leslie E.: *See—*
Morton, George A., and Flory.
Folkens, Hillis O.: *See—*
Thacker, Carlisle M., and Folkens.
Food Concentrates, Inc., assignee: *See—*
Northcutt, Robert T., and R. T., Jr.
Forsberg, Erik A., Nockeby, assignor to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Centrifuges for separating from a liquid matters suspended or emulsified therein. 2,435,823, Feb. 10.
Francis, Oliver T., Renville, Minn. Voltage magnitude discriminator circuit. 2,435,579, Feb. 10.
Franklin, Raymond J., Chicago, assignor to The Chicago Hardware Foundry Company, North Chicago, Ill. Wrought gray iron welding rod. 2,435,883, Feb. 10.
Franks, Russell, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Weather resistant steel and articles. 2,435,824, Feb. 10.
French, Walter F., Schlater, assignor to H. Y. Kitchell, Greenwood, Miss. Disc and blade sharpener. 2,435,775, Feb. 10.
Frevel, Bart W., Minneapolis, Minn. Hole cutter. 2,435,848, Feb. 10.
Fuel Refining Corporation, assignee: *See—*
Otto, Carl.

Fusco, Anthony J., Belleville, N. J., and J. L. Bleiweis, New York, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Electrochemical salvaging method. 2,435,714, Feb. 10.
Gaither, Herbert C., Detroit, Mich. Elevator shoe. 2,435,742, Feb. 10.
Galewski, George F., Los Angeles, assignor of one-third to K. B. Niles, Venice, and one-third to H. D. Russell, Los Angeles, Calif. Homogenizing unit. 2,435,884, Feb. 10.
Garcia, José D., Buenos Aires, Argentina. Resilient wheel for vehicles. 2,435,825, Feb. 10.
Geilear, George W., Brockton, Mass. Arch-supporting insole. 2,435,776, Feb. 10.
Geimer, William J., assignor to Bemis Bros. Bag Company, Minneapolis, Minn. Waterproof bag. 2,435,743, Feb. 10.
General Aniline & Film Corporation, assignee: *See—*
Anish, Alfred W.
Schaefer, Arthur E.
General Electric Company, assignee: *See—*
Boynton, Erwin R., and Rauch.
Crever, Frederick E., and Burton.
Johnson, Howard A.
Ramo, Simon.
General Electric X-Ray Corporation, assignee: *See—*
Files, Glenn W.
General Industries Company, The, assignee: *See—*
Van der Woude, Fritz B.
General Motors Corporation, assignee: *See—*
Flexico, Robert S.
Schjolin, Hans O.
General Tire & Rubber Company, The, assignee: *See—*
Beckett, Joseph A., and Berry.
Gerson, Irving: *See—*
Malzel, Ben, and Gerson.
Getz, Charles A., Glen Ellyn, Ill., assignor to Aeration Processes, Inc., Columbus, Ohio. Aeration of butter fat-containing liquids. 2,435,882, Feb. 10.
Gewirtzman, Morris, assignor to The Advertisers' Service Division Incorporated, New York, N. Y. Rotating game disk. 2,435,885, Feb. 10.
Giles, Allison M., executrix: *See—*
Files, Glenn W.
Gillman, Arthur H., Spokane, Wash. Arch support heel. 2,435,877, Feb. 10.
Glavis, Frank J.: *See—*
Neber, Harry T., and Glavis.
Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of quaternary ammonium polyacrylates. 2,435,777, Feb. 10.
Glennon, James B., U. S. Navy. Differential drum for mine anchors. 2,435,580, Feb. 10.
Goebel, Herman L., assignor to Steber Manufacturing Co., Chicago, Ill. Lighting fixture. 2,435,878, Feb. 10.
Goebel, Herman L., assignor to Steber Manufacturing Co., Chicago, Ill. Reflector assembly. 2,435,679, Feb. 10.
Goldsmith, Thomas T., Jr., Cedar Grove Township, Essex County, and E. R. Mann, Upper Montclair, assignors to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Apparatus for electrically testing material. 2,435,680, Feb. 10.
Gooding, Chester M., and J. R. Rich, Staten Island, assignors, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Winterizing oils. 2,435,826, Feb. 10.
Goodlin, Carl L., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for control of highway crossing gates. 2,435,824, Feb. 10.
Goss, Worth C., Seattle, Wash. Apparatus for the manufacture of metallurgical charcoal from comminuted wood waste material. 2,435,825, Feb. 10.
Gracia, Albert J., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Recovery of finely divided polymer from aqueous emulsion. 2,435,778, Feb. 10.
Graffier, Inc., assignee: *See—*
Hineline, Edson S.
Grandin, James R., and H. F. Mechlin, Washington, D. C. Portable filter. 2,435,827, Feb. 10.
Grandstaff, Otho D., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Current rectifying system. 2,435,881, Feb. 10.
Graton & Knight Company, assignee: *See—*
Lesene, Sherman D.
Gray, Robert E., assignor of twenty-five per cent to W. A. Gray, Jr., Tacoma, Wash. Automatic parachute release. 2,435,649, Feb. 10.
Gray, Walter A., Jr., assignee: *See—*
Gray, Robert E.
Green, David, assignor to Esmco Auto Products Corp., Brooklyn, N. Y. Cigarette package case. 2,435,826, Feb. 10.
Greene, John H., Little Rock, Ark. Illuminated walking stick. 2,435,650, Feb. 10.
Greenland, Miles G., Philadelphia, Pa. Gyroscopic instrument. 2,435,581, Feb. 10.
Grenbel, Alfred H., Afton, assignor to Z B Inc., St. Louis, Mo. Airplane wheel incorporating a low-pressure fluid motor. 2,435,827, Feb. 10.
Guest, Herbert H., West Hartford, assignor to The J. B. Williams Company, Glastonbury, Conn. Alpha-hydroxy-ether of fatty acid. 2,435,828, Feb. 10.

Guest, Herbert H., West Hartford, assignor to The J. B. Williams Company, Glastonbury, Conn. Alpha-hydroxy-ether of fatty acid soap. 2,435,829, Feb. 10.

Gulbert, Nicholas R., Jr., Chestnut Hill, Pa. Combination weight box and guide for elevator gates and the like. 2,435,779, Feb. 10.

Gulbrandsen, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in attaching soles to shoes. 2,435,582, Feb. 10.

Gulf Research & Development Company, assignee: See—Rand, Wendell P.

Rittmann, Otto F.

Gump, William S.: See—Luthy, Max, and Gump.

Gump, William S., Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Quaternary ammonium compounds. 2,435,583, Feb. 10.

Hadley, Charles R., Company, assignee: See—Jones, Jesse M.

Hall, Arthur O., assignee: See—Boskovich, Milan N.

Hall, Horace W., Newton, Mass. Locating jig device for use in drilling holes in racket heads. 2,435,830, Feb. 10.

Hancock Manufacturing Company, assignee: See—De Orlow, Stephen.

Hancock, Peter F.: See—Robiette, Alfred G. E., and Hancock.

Hanley, Stanley M., assignee, et al.: See—Bixby, William H.

Hansen, Roy A.: See—Nicolin, George, and Hansen.

Hansen, William W.: See—Varian, Russell H., Hansen, and Woodyard.

Harrington, Ferris T.: See—Herman, Albert D., and Harrington.

Harris, Norman C.: See—Whann, Jesse P., and Harris.

Harry, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave signaling device. 2,435,587, Feb. 10.

Hartman, Carlisle G., Glendale, Mo. Flavoring solutions. 2,435,744, Feb. 10.

Hartman, Paul L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency relay employing an electron discharge device. 2,435,585, Feb. 10.

Hartman, Paul L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron velocity sorting discharge device. 2,435,586, Feb. 10.

Harvel Research Corporation, assignee: See—Harvey, Mortimer T.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Oxidation of alkyl esters of aliphatic acid. 2,435,831, Feb. 10.

Harvuot, Frank B., Fort Wayne, Ind., assignor to Bowser, Inc. Lubricant filtering and dispensing tank. 2,435,832, Feb. 10.

Hayes, Charles H. C., North Attleboro, Mass. Book mark. 2,435,886, Feb. 10.

Hazelet, Paul J., Fort Wayne, Ind. Bottle carrier. 2,435,833, Feb. 10.

Headings, William W., Kirtland, Ohio, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Illuminating fixture. 2,435,715, Feb. 10.

Heal, Ralph E., New Brunswick, assignor to Merck & Co., Inc., Rahway, N. J. Alkyl esters of α -cyano- β -furylidene acetic acid as insect repellents. 2,435,780, Feb. 10.

Heller, Oswald: See—Manning, Albert H., and Heller.

Herman, Albert D., Encino, Calif., and F. T. Harrington, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,435,834, Feb. 10.

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Self-lubricating spinning ring. 2,435,939, Feb. 10.

Herr Manufacturing Company, Inc., assignee: See—Herr, Harvey E.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heat treating apparatus. 2,435,923, Feb. 10.

Hester, Harry E.: See—Boyd, Frank C., Hester, and Medearis.

Heydorn, William P., assignor to Wingfoot Corporation, Akron, Ohio. Recovery of volatile solvents. 2,435,781, Feb. 10.

Heyer Industries, Incorporated, assignee: See—St. John, John H.

Higgins, Francis V., Fayetteville, N. Y. Cigarette dispenser. 2,435,782, Feb. 10.

Hineline, Edson S., assignor to Graflex, Inc., Rochester, N. Y. Curtain slot adjusting means to control the exposure time of camera shutters. 2,435,835, Feb. 10.

Hinshelwood, Peter, Chicago, Ill. Traffic signaling system. 2,435,683, Feb. 10.

Hintsala, Eino W., U. S. Army. Thermometer centrifuge. 2,435,588, Feb. 10.

Hintze, Gustav, Berlin N. W. 21, Germany; vested in the Attorney General of the United States. Running wheel for agricultural vehicles. 2,435,783, Feb. 10.

Hoffecker, John W., J. Wilson, and W. Nenstiehl, Wilmington, Del., assignors, by mesne assignments, to Continental Can Company, Inc. Cork insert feeding device for crown cap assembly machines. 2,435,589, Feb. 10.

Hoffman, Eugene R., Miami, Fla. External cover construction for handbags. 2,435,784, Feb. 10.

Holroyd, Howard B., Davenport, Iowa. Cartridge belt link. 2,435,590, Feb. 10.

Honorary Advisory Council for Scientific and Industrial Research, The, assignee: See—Pearce, Harold.

Hornbacher, Herbert G., and W. G. Bauman, assignors to The Dow Chemical Co., Midland, Mich. Stabilization of chlorinated ethylbenzene by basic anion exchange agents. 2,435,887, Feb. 10.

Huber, John R., Williamsfield, Ill. Fence post driving device. 2,435,651, Feb. 10.

Hughey, George B.: See—Adams, Daniel O., and Hughey.

Hunter Pressed Steel Company, assignee: See—Clarke, Philip C.

Hunter, Robert L.: See—Seymour, George W., Ward, and Hunter.

Ingenhof, Johannes, Haarlem, Netherlands. Weather-forecast apparatus. 2,435,785, Feb. 10.

Interior, United States of America, as represented by the Secretary of, assignee: See—Sanford, Francis B., and McKee.

International Braid Company, assignee: See—Pollard, Charles W.

International Business Machines Corporation, assignee: See—Paris, Robert E.

International Harvester Company, assignee: See—Acton, Russel D.

Bautz, Fredrick.

Wessman, Arnt W.

Interwoven Stocking Company, assignee: See—Clarke, Edgar W.

Itner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Fat hydrolysis. 2,435,745, Feb. 10.

Jarman, Vincent G., Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,435,628, Feb. 10.

Jefferson Electric Company, assignee: See—Rickmeyer, Ernst W.

Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color photography and compositions and elements therefor for utilizing sulfonamide color formers. 2,435,629, Feb. 10.

Josionowski, John, Schenectady, N. Y. Work holder. 2,435,888, Feb. 10.

Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Brush making machine. 2,435,924, Feb. 10.

Johnson, Howard A., Melrose, Mass., assignor to General Electric Company. Centrifugal compressor. 2,435,836, Feb. 10.

Johnson, Matthey & Company Limited, assignee: See—Kerridge, Frank E.

Jones, Harry S., East Orange, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa. Safety control system for fuel burners. 2,435,940, Feb. 10.

Jones, Jesse M., assignor to Charles R. Hadley Company, Los Angeles, Calif. Accounting board. 2,435,684, Feb. 10.

Jones, Leo D., assignor to The Sharples Corporation, Philadelphia, Pa. Sealing means for feed and discharge conduits of centrifugal separator bowls. 2,435,941, Feb. 10.

Jones, Philip H., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Stage education of oil shale. 2,435,746, Feb. 10.

Jos-Nic Company, The, assignee: See—Nicolazzo, Joseph J.

Kearfott Company, Inc., assignee: See—Krupick, Walter J.

Kearney, Kenneth O., Syracuse, assignor to Penn Electric Switch Co., Goshen, Ind. Control structure. 2,435,716, Feb. 10.

Kelco Company, assignee: See—Vallandigham, Vance V.

Kerridge, Frank E., assignor to Johnson, Matthey & Company Limited, London, England. Production of metallic designs on nonmetallic materials. 2,435,889, Feb. 10.

Kessler, Milton, assignee: See—McCabe, Edward J.

Ketcham, Lyman G., Kearny, assignor to Automatic Manufacturing Corporation, East Newark, N. J. Tuned transformer assembly. 2,435,630, Feb. 10.

Kirkpatrick, James B.: See—Brooks, John W., and Kirkpatrick.

Kirkpatrick, Willard H., and D. L. Wilson, Sugar Land, assignors to Visco Products Company, Houston, Tex. Reverse detergent. 2,435,925, Feb. 10.

Kitchell, Horace Y., assignee: See—French, Walter F.

Klosek, Adam R., Jersey City, N. J. Lamp shade. 2,435,786, Feb. 10.

Knight, Elmer S., Cordova Bay, British Columbia, Canada. Device for winding a plurality of lines at relatively irregular speeds about a common shaft. 2,435,787, Feb. 10.

Koehler, Arthur F., Yuma, Ariz. Riveting machine. 2,435,852, Feb. 10.

Koenig, Frank J., assignor to Skilsaw, Inc., Chicago, Ill. Floor sanding machine. 2,435,685, Feb. 10.

Koppel Engineering (Proprietary) Limited, assignee: See—Crofton, Wilfred B.

Krupick, Walter J., Franklin, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Control circuit for induction motors. 2,435,926, Feb. 10.

Kulpers, George A., assignor to Distillation Products, Inc., Rochester, N. Y. Condensation pump. 2,435,686, Feb. 10.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Developing camera utilizing a film, another sheet material, and a fluid processing agent. 2,435,717, Feb. 10.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic process and apparatus for subjecting a photographic film to a processing fluid. 2,435,718, Feb. 10.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic apparatus for subjecting a photographic film to a processing fluid. 2,435,719, Feb. 10.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,435,720, Feb. 10.

Landolt, Albert, Riehen, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Tendering properties of textiles dyed with yellow to orange vat dyes by treatment with certain nitrogenous resins. 2,435,591, Feb. 10.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Method and apparatus for sealing containers. 2,435,747, Feb. 10.

Larson, Ellis L., Chicago, Ill. Cylinder liner. 2,435,837, Feb. 10.

Latin, George S., Grass Valley, Calif. Cigarette extinguisher and ejector. 2,435,687, Feb. 10.

Lawson, James L., Ann Arbor, Mich., assignor to the United States of America, as represented by the Secretary of the Navy. Control of reflections in transmission lines. 2,435,788, Feb. 10.

Lea, George D., Downers Grove, and C. L. Pfeiffer, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electric soldering. 2,435,789, Feb. 10.

Lehmann, Werner, Fresno, Calif. Spray mask. 2,435,721, Feb. 10.

Leland Stanford Junior University, The Board of Trustees of, assignee: See—Varian, Russell H., Hansen, and Woodyard.

Lembeck, Benjamin, Laurelton, N. Y. Glove. 2,435,890, Feb. 10.

Le Roi Company, assignee: See—Roth, Robert D.

Lesesne, Sherman D., assignor to Graton & Knight Company, Worcester, Mass. Loom picker. 2,435,748, Feb. 10.

Lesesne, Sherman D., assignor to Graton & Knight Company, Worcester, Mass. Check strap for looms. 2,435,749, Feb. 10.

Lichty, Joy G.: See—Clifford, Albert M., and Lichty.

Lieber, Eugene, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Auto-condensation product of an acid amide. 2,435,631, Feb. 10.

Lincoln Electric Company, The, assignee: See—Stringham, Leonidas K.

Linde Air Products Company, The, assignee: See—Shorter, Albert E.

Lodge, Alvin, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for crimping textile fibrous material. 2,435,891, Feb. 10.

Loewy, Walter W., New York, N. Y. Horizontal axis drum grain peeler with cooperating resinous and rubber peeling surfaces. 2,435,592, Feb. 10.

Long, John R., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Cyanostyrene copolymerized with butadienes. 2,435,790, Feb. 10.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary printing press. 2,435,791, Feb. 10.

Lukens, Lloyd H., assignee: See—Werner, Arthur C.

Lupo, Beatrice, New York, N. Y. Protector. 2,435,688, Feb. 10.

Luthy, Max, Ridgewood, and W. S. Gump, Montclair, N. J., assignors to Burton T. Bush, Inc., New York, N. Y. Making bis-(3,5,6-trichloro-2-hydroxyphenyl) methane. 2,435,593, Feb. 10.

Lynn, George E.: See—Fitzgerald, Charles D., and Lynn.

Lyon, Priscilla: See—Ayers, George W., and Lyon.

Mabey, Charles A., Woodbury, assignor to The Bristol Company, Waterbury, Conn. Wet bulb for hygrometric measurement. 2,435,632, Feb. 10.

Mackin, Henry J., Kankakee, Ill. Box construction. 2,435,838, Feb. 10.

MacPherson, Donald R., University Heights, assignor to The Master Builders Company, Cleveland, Ohio. Hydraulic cement composition. 2,435,594, Feb. 10.

Maizel, Ben, and I. Gerson, assignors to Vico Products Company, Chicago, Ill. Preparing phosphorilated thiamin. 2,435,750, Feb. 10.

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Cutting chain. 2,435,892, Feb. 10.

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Golf club carrier. 2,435,893, Feb. 10.

Mall Tool Company, assignee: See—Mall, Arthur W.

Manley, Jesse G., Bryn Mawr, Wash. Compartment key and latch. 2,435,722, Feb. 10.

Mann, Estle R.: See—Goldsmith, Thomas T., Jr., and Mann.

Manning, Albert H., and O. Heller, London, England; said Heller assignor to said Manning. Drying and disintegrating of gas-borne material. 2,435,927, Feb. 10.

Marc-Aurele, Lionel A., assignor to Neo Beauty Line Company Ltd., Montreal, Quebec, Canada. Breast massaging device. 2,435,894, Feb. 10.

Maryland Baking Company, Inc., assignee: See—Cutler, Jacob.

Shapiro, Arthur.

Mason, David M.: See—McArdle, Edward H., and Mason.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-power compressional wave radiator. 2,435,595, Feb. 10.

Master Builders Company, The, assignee: See—MacPherson, Donald R.

Matulich, Fred A., Drytown, Calif. Foot actuated pressure generator. 2,435,928, Feb. 10.

Maurer, Frank W., Newton Highlands, assignor to H. L. Bouton Company, Buzzards Bay, Mass. Goggle. 2,435,653, Feb. 10.

Mayer, Nicholas L.: See—Pluta, John J., Mayer, and St. John.

McArdle, Edward H., Linden, and D. M. Mason, Elizabeth, assignors to Standard Oil Development Company. Chemical process. 2,435,792, Feb. 10.

McCabe, Edward J., assignor to Milton Kessler, Youngstown, Ohio. Flashlight. 2,435,689, Feb. 10.

McIlvaine, Oran T., St. Charles, Ill. Dew point detector. 2,435,895, Feb. 10.

McIlvaine, Oran T., St. Charles, Ill. Light responsive burner control system. 2,435,896, Feb. 10.

McKee, Lynne G.: See—Sanford, Francis B., and McKee.

McMahon, Alexander F., Oak Park, assignor to The Bastian-Blessing Company, Chicago, Ill. Method of and apparatus for cooling liquids, confections, and the like. 2,435,942, Feb. 10.

McMichael, Francis H.: See—Weathers, Carl C., and McMichael.

McNicol, David, Birmingham, England, assignor to The Thinken Roller Bearing Company, Canton, Ohio. Taper roller bearing and cage. 2,435,839, Feb. 10.

Mechlin, Ernest F.: See—Grandin, James R., and Mechlin.

Medearis, Paul A.: See—Boyd, Frank C., Hester, and Medearis.

Merck & Co., Inc., assignee: See—Heal, Ralph E.

Van de Kamp, Jacob, and Tishler.

Merriam, Charles W., Jr., U. S. Navy, Taunton, Mass. Oiling device. 2,435,596, Feb. 10.

Metropolitan-Vickers Electrical Company Limited: See—Moulin, Eric B.

Middleton, Donald R., assignee, et al.: See—Bixby, William H.

Mielke, Arthur F., Burbank, Calif. Cigarette dispenser. 2,435,793, Feb. 10.

Moffatt, Reginald J., deceased, Sydney, New South Wales, Australia; K. M. Elliott, executrix, assignor to K. M. Elliott. Attachable and replaceable heel for footwear. 2,435,723, Feb. 10.

Monsanto Chemical Company, assignee: See—Basdekis, Costas H.

Morrill, Henry L., and Weinman.

Morrill, Henry L., Clayton, Mo., and C. J. Weinman, Champaign, Ill., assignors to Monsanto-Chemical Company, St. Louis, Mo. Insecticide. 2,435,690, Feb. 10.

Morrison, Montford, Upper Montclair, N. J. Frequency and phase correction in oscillators. 2,435,751, Feb. 10.

Morton, George A., Princeton, N. J., assignor to Radio Corporation of America. Computing device. 2,435,840, Feb. 10.

LIST OF PATENTEEES

Morton, George A., and L. E. Flory, Princeton, N. J., assignors to Radio Corporation of America. Computing device. 2,435,841, Feb. 10.

Moulin, Eric B., Brooklands, Sale, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Dissipative load and watt meter for ultra high frequency electric power. 2,435,597, Feb. 10.

Murray, Joseph M., assignee: See—
Perez, Stephen J.

Myers, Claude G., Bryn Mawr, Pa., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Isomerization of alicyclic hydrocarbons. 2,435,891, Feb. 10.

Nader Engineering Co., assignee: See—
Nader, Joseph.

Nader, Joseph, Glen Ellyn, assignor to Nader Engineering Co., Chicago, Ill. Dynamo-electric machine. 2,435,692, Feb. 10.

Narrell, Jessie V., assignee: See—
Rice, Chester J., and Narrell.

National Blank Book Company, assignee: See—
Schade, John.

Navy, the United States of America, as represented by the Secretary of the: See—
Lawson, James L.

Neher, Harry T.: See—
Glavis, Frank J., and Neher.

Neher, Harry T., Bristol, and F. J. Glavis, Elkins Park, assignors to Röhm & Haas Company, Philadelphia, Pa. Hydraulic fluids. 2,435,950, Feb. 10.

Nehls, Arthur G. C., Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,435,943, Feb. 10.

Nenstiehl, William: See—
Hoffecker, John W., Wilson, and Nenstiehl.

Neo Beauty Line Company Ltd., assignee: See—
Marc-Aurele, Lionel A.

Newman, Milton, Philadelphia, Pa. Warp-knitted fabric. 2,435,897, Feb. 10.

Newton, John S., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-speed transmission for locomotive turbines. 2,435,633, Feb. 10.

Nicolazzo, John J., assignor to The Jos-Nic Company, Bridgeport, Conn. Fused wall outlet box. 2,435,794, Feb. 10.

Nicollin, George, and R. A. Hansen, Chicago, Ill. Door lock attachment. 2,435,634, Feb. 10.

Niederer, Herbert O.: See—
Niederer, Otto C. and H. O.

Niederer, Otto C. and H. O., Titusville, N. J. Apparatus for conveying and sorting headed articles in accordance with length of shank. 2,435,635, Feb. 10.

Niles, Kermit B., assignee, et al.: See—
Galewski, George F.

North American Aviation, Inc., assignee: See—
Stockton, Oliver L.

Northcutt, Robert T., Jr.: See—
Northcutt, Robert T. and R. T., Jr.

Northcutt, Robert T., Westfield, and R. T. Northcutt, Jr., Fanwood, N. J., assignors to Food Concentrates, Inc., New York, N. Y. Preparation of dried fruit products. 2,435,842, Feb. 10.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric pulse delay circuit. 2,435,598, Feb. 10.

Ostrom, Carl E., and C. S. Schopmeyer, Lake City, Fla.; dedicated to the free use of the people in the territory of the United States. Increasing and prolonging the flow of oleoresin from trees. 2,435,724, Feb. 10.

Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Production of ammonium sulphate. 2,435,898, Feb. 10.

Page, John S., Long Beach, Calif. Tubing anchor. 2,435,899, Feb. 10.

Page, Louis J., Hollis, N. Y. Semirigid ophthalmic mounting. 2,435,636, Feb. 10.

Paris, Robert E., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Conductive fluid electrical contact device. 2,435,725, Feb. 10.

Parks, Carl R.: See—
Cheyney, La Verne E., and Parks.

Pearce, Harold, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Camera diaphragm setting arrangement. 2,435,752, Feb. 10.

Pearson, John C., Jr., Oklahoma City, Okla. Conveyor belt. 2,435,694, Feb. 10.

Penn Electric Switch Co., assignee: See—
Kearney, Kenneth O.

People of the United States, Dedicated to the free use of the: See—
Ostrom, Carl E., and Schopmeyer.

Perez, Stephen J., assignor of one-half to J. M. Murray, Rochester, N. Y. Cam cutter. 2,435,900, Feb. 10.

Peimann, Armand R. E. A., Lyon, France; vested in the Attorney General of the United States. Metallic cushion tire. 2,435,599, Feb. 10.

Peters, Allen F., Philadelphia, Pa. Starch dispersion and making it. 2,435,901, Feb. 10.

Pfeiffer, Conrad L.: See—
Lea, George D., and Pfeiffer.

Philco Corporation, assignee: See—
Smith, Helen E.

Pittsburgh Reflector Company, assignee: See—
Headings, William W.

Plank, Charles J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Catalytic isomerization of unsaturated glyceride oils. 2,435,695, Feb. 10.

Pleva, Frank P., Thompsonville, Conn. Tool handle. 2,435,654, Feb. 10.

Plexico, Robert S., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Synchronesh transmission. 2,435,929, Feb. 10.

Pluta, John J., N. L. Mayer, and H. M. St. John, assignors to Crane Co., Chicago, Ill. Skimming device. 2,435,696, Feb. 10.

Polaroid Corporation, assignee: See—
Land, Edwin H.

Pollard, Charles W., Chicago, Ill., assignor to International Braid Company. Venetian blind and making the same. 2,435,944, Feb. 10.

Power Equipment Company, assignee, et al.: See—
Bixby, William H.

Powers, Walter H., Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Assembling sheet metal parts. 2,435,697, Feb. 10.

Puett Electrical Starting Gate Corporation, assignee: See—
Whann, Jesse P., and Harris.

Pure Oil Company, The, assignee: See—
Ayers, George W., and Lyon.

Thacker, Carlisle M.

Thacker, Carlisle M., and Folkins.

Quaker Oats Company, The, assignee, et al.: See—
Turner, Charles W., and Reineke.

Quinlan, Amos L., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tape dispensing apparatus. 2,435,795, Feb. 10.

Radio Corporation of America, assignee: See—
Morton, George A.

Morton, George A., and Flory.

Solomon, Myer.

Spooner, John M.

Usselman, George L.

Raffold Process Corporation: See—
Rafton, Harold R.

Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Treatment of satin white. 2,435,600, Feb. 10.

Ramo, Simon, Niskayuna, N. Y., assignor to General Electric Company. Phase modulation system. 2,435,601, Feb. 10.

Rand, Wendell P., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Examining earth substances by means of ultraviolet illumination. 2,435,843, Feb. 10.

Rauch, William T.: See—
Boynton, Erwin R., and Rauch.

Rawlins, Herbert L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,435,844, Feb. 10.

Raytheon Manufacturing Company, assignee: See—
Dawson, John W.

Young, Kenneth A.

Redmond, Harriet L., Boston, assignor to The William Carter Company, Needham Heights, Mass. Pant type garment. 2,435,945, Feb. 10.

Reed, Exa G., assignor to Wingfoot Corporation, Akron, Ohio. Producing shoe uppers by heat-shrinking to forms. 2,435,797, Feb. 10.

Reggio, Ferdinando C., Norwalk, Conn. Fuel metering device. 2,435,902, Feb. 10.

Reid, Allen F., New York, N. Y. Isotope separation process. 2,435,796, Feb. 10.

Reid-Avery Company, The, assignee: See—
Sawhill, James M., and Skinner.

Reineke, Ezra P.: See—
Turner, Charles W., and Reineke.

Resinous Products & Chemical Company, The, assignee: See—
Bruson, Herman A., and Riener.

Rhodes, Herbert D., Tucson, Ariz., G. F. Rouault, Whiting, Ind., and C. N. White, assignors to Standard Oil Company, Chicago, Ill. Lubricant. 2,435,655, Feb. 10.

Rice, Chester J., and J. V. Narrell, Pecos, Tex.; said Rice assignor to said Narrell. Air conditioning unit. 2,435,798, Feb. 10.

Rice, Clifford M., Alexandria, Va. Water closet for house trailers, mobile residences, buses, and the like. 2,435,845, Feb. 10.

Rich, John R.: See—
Gooding, Chester M., and Rich.

Richter, Walther, Whitefish Bay, and W. H. Elliot, Shorewood, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for recording the duration of a transient effect. 2,435,753, Feb. 10.

Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Switch. 2,435,602, Feb. 10.

LIST OF PATENTEEES

Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Timing unit for switches. 2,435,603, Feb. 10.

Ricks, Fred, and R. B. Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Last pulling machine. 2,435,656, Feb. 10.

Riener, Thomas W.: See—
Bruson, Herman A., and Riener.

Ritzmann, Otto F., Takoma Park, Md., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for exhibiting seismograph signals. 2,435,903, Feb. 10.

Rizor, Worth P., Wichita, Kans. Edge finder. 2,435,799, Feb. 10.

Robaus, Stanley, assignor to Taylor Forge & Pipe Works, Cicero, Ill. Producing lined pipe bends. 2,435,904, Feb. 10.

Robertshaw Thermostat Company, assignee: See—
Weber, Victor.

Robertson, Elmer E., Harbor City, Calif. Tooth for power shovels. 2,435,846, Feb. 10.

Robertson, Elmer E., Harbor City, Calif. Shovel tooth. 2,435,847, Feb. 10.

Robertson, H. H. Company, assignee: See—
Crafter, Henry H.

Robiette, Alfred G. E., and P. F. Hancock, Erdington, Birmingham, assignors to Birlec Limited, Birmingham, England. Decarburizing austenitic manganese cast iron. 2,435,946, Feb. 10.

Rock-Ola Manufacturing Corporation, assignee: See—
Toolan, John J.

Rogers, Lloyd: See—
Behringer, Charles F., and Rogers.

Rohde, Meredith E., Aurora, Colo. Pivoted hand tool for removing dents in sheet metal. 2,435,726, Feb. 10.

Röhm & Haas Company, assignee: See—
Glavis, Frank J., and Neher.

Rorden, Henry C., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Propeller. 2,435,604, Feb. 10.

Roth, Robert D., Cleveland, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Adjustable brake band for slusher hoists. 2,435,754, Feb. 10.

Rouault, George F.: See—
Rhodes, Herbert D., Rouault, and White.

Rowell, Herman L., U. S. Army. Spray nozzle. 2,435,605, Feb. 10.

Running, Nile H., Minneapolis, Minn. Holder for game devices. 2,435,698, Feb. 10.

Russell, Howard D., assignee, et al.: See—
Galewski, George F.

Russell, John K.: See—
Bray, Ulric B., and Russell.

Sachanen, Alexander N.: See—
Myers, Claude G., and Sachanen.

Saco-Lowell Shops, assignee: See—
Curley, Robert S.

Sadowsky, Charles, New York, N. Y. Time-speed-distance divider-type computer. 2,435,606, Feb. 10.

St. John, Harry M.: See—
Pluta, John J., Mayer, and St. John.

St. John, John H., Rutherford, assignor to Heyer Industries Incorporated, Belleville, N. J. Overload relay. 2,435,607, Feb. 10.

Sanford, Francis B., and L. G. McKee, Seattle, Wash., assignors to Government of the United States, as represented by the Secretary of the Interior. Drill sampling device for fish livers. 2,435,608, Feb. 10.

Saviers, Robert H., Morristown, Pa., assignor to The American Steel and Wire Company of New Jersey. Inspecting wire drawing die. 2,435,857, Feb. 10.

Sawhill, James M., Towson, and J. E. Skinner, assignors to The Reid-Avery Company, Dundalk, Md. Automatic welding electrode. 2,435,800, Feb. 10.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Ring binder. 2,435,848, Feb. 10.

Schaefer, Arthur E., Loudonville, assignor to General Aniline & Film Corporation, New York, N. Y. Soluble basic dyes. 2,435,905, Feb. 10.

Schellkunoff, Sergei A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dipole antenna. 2,435,609, Feb. 10.

Schlimpf, Charles H., Pasadena, Calif. Displaying and dispensing apparatus. 2,435,755, Feb. 10.

Schirokauer, Henry, New York, N. Y., now by change of name H. A. Sherwood. Service indicator. 2,435,907, Feb. 10.

Schjolin, Hans O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Angle drive mechanism coupling power plant and vehicle axle. 2,435,930, Feb. 10.

Schlesinger, Harry, Des Moines, Iowa. Vaporizing and disseminating device. 2,435,756, Feb. 10.

Schlitters, Michael J., Grosse Pointe Park, Mich. Slide assembly for machine tools. 2,435,849, Feb. 10.

Schneider, Charles F., San Antonio, Tex. Funnel for casting explosive charges. 2,435,610, Feb. 10.

Schopmeyer, Clifford S.: See—
Ostrom, Carl E., and Schopmeyer.

Schweitzer, Howard V., Shaker Heights, Ohio. Glazing apparatus. 2,435,931, Feb. 10.

Schwindt, Jack: See—
Trinkle, Frederick A., and Schwindt.

Sejarto, Lester, Richmond Hill, N. Y. Multiple cylinder fluid motor or compressor of the radial piston type. 2,435,611, Feb. 10.

Selas Corporation of America, assignee: See—
Hess, Frederic O.

Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stopping means for weft replenishing looms. 2,435,699, Feb. 10.

Sevush, Wolf, Brooklyn, N. Y. Combined icebag and fountain syringe. 2,435,637, Feb. 10.

Seymour, George W., G. C. Ward, and R. L. Hunter, Cumberland, Md., assignors to Celanese Corporation of America. Illuminated discharge effects upon acetate fabrics. 2,435,658, Feb. 10.

Shapiro, Arthur, Chicago, Ill., assignor to Maryland Baking Company, Inc., Baltimore, Md. Pastry cup. 2,435,906, Feb. 10.

Sharples Corporation, The, assignee: See—
Jones, Leo D.

Shell Development Company, assignee: See—
Vaughan, William E., and Bell.

Shellmar Products Company, assignee: See—
De Swart, Jan.

Sherwood, Henry A.: See—
Schirokauer, Henry.

Shively, Walter E., assignor to Wingfoot Corporation, Akron, Ohio. Perforation airplane tire and making it. 2,435,801, Feb. 10.

Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Shrouded elongated head multinozzle burner. 2,435,638, Feb. 10.

Siebrandt, John R., Kansas City, Mo. Splint and guard construction. 2,435,850, Feb. 10.

Singer Manufacturing Company, The, assignee: See—
Clayton, Andrew B.

Skilsaw, Inc., assignee: See—
Koenig, Frank J.

Skinner, James E.: See—
Sawhill, James M., and Skinner.

Smith, Arthur H., Grandview, Wash. Fish lure. 2,435,932, Feb. 10.

Smith, Helen E., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Liquid freezing device. 2,435,802, Feb. 10.

Snead, Henry C., Jr., San Francisco, Calif. Highway marking device. 2,435,757, Feb. 10.

Snyder, Mahlon C., Hamburg, N. Y. Roadway sanding apparatus for vehicles. 2,435,758, Feb. 10.

Snyder, Sarah S., assignee: See—
Snyder, William M.

Snyder, William M., assignor to S. S. Snyder, Covington, Tenn. Crystal novelty and paperweight. 2,435,612, Feb. 10.

Soares, John, San Leandro, Calif. Feed regulator control for labeling machines. 2,435,803, Feb. 10.

Society of Chemical Industry in Basle, assignee: See—
Landolt, Albert.

Socony-Vacuum Oil Company, Incorporated, assignee: See—
Brooks, John W., and Kirkpatrick.

Myers, Claude G., and Sachanen.

Plank, Charles J.

Solomon, Myer, deceased, Westmont, by N. W. Solomon, administratrix, Princeton, N. J., assignor to Radio Corporation of America. Electrolytically producing azo dyes on a fibrous sheet material and the fibrous sheet material for said process. 2,435,700, Feb. 10.

Solomon, Nellie W., administratrix: See—
Solomon, Myer.

Sparks, William J.: See—
Young, David W., and Sparks.

Spaw, George, Kansas City, Mo. Lamp shade. 2,435,759, Feb. 10.

Spencer Aircraft Motors, Inc., assignee: See—
Spencer, Louis R.

Spencer, Louis R., West Hartford, assignor to Spencer Aircraft Motors, Inc., Hartford, Conn. Valve actuating mechanism. 2,435,727, Feb. 10.

Sperry Corporation, The, assignee: See—
Chafee, Earl W., and Van Auker.

Sperry Gyroscope Company, Inc., assignee: See—
Barrow, Wilmer L.

Spooner, John M., Manheim Township, Lancaster County, Pa., assignor to Radio Corporation of America. Cavity resonator magnetron device. 2,435,804, Feb. 10.

Sprout, Philip T., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electronic devices. 2,435,613, Feb. 10.

Standard Oil Company, assignee: See—
Rhodes, Herbert D., Rouault, and White.

Standard Oil Development Company, assignee: See—
Lieber, Eugene.

McArdle, Edward H., and Mason.

Young, David W., and Sparks.

Stator Corporation, assignee: See—
Tibbets, Raymond W.

Stebber Manufacturing Co., assignee: *See—*
 Goebel, Herman L.
 Stockton, Oliver L., Manhattan Beach, Calif., assignor to North American Aviation, Inc. Bomb rack. 2,435,639, Feb. 10.
 Strasser, Walter C., Los Angeles, Calif. Attachment in laundry marking machine. 2,435,851, Feb. 10.
 Stringham, Leonidas K., University Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. Flux for use in arc welding. 2,435,852, Feb. 10.
 Submarine Signal Company, assignee: *See—*
 Benloff, Hugo.
 Summers, Caleb E., Orchard Lake, Mich. Internal-combustion engine. 2,435,659, Feb. 10.
 Sutherland, Leslie T., Yonkers, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Compounding butadiene-acrylonitrile copolymer with an alcohol ester of a mono-alkenyl substituted succinic acid. 2,435,853, Feb. 10.
 Tanner, Arthur W., Aldershot, England. Spoon, shovel, or the like implement with a pusher member. 2,435,805, Feb. 10.
 Taylor, Albert C., Chicago, Ill., assignor to the United States of America, as represented by the Secretary of War. Apparatus for the freezing-drying of tissues. 2,435,854, Feb. 10.
 Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Closure fastener for suction cleaning apparatus. 2,435,640, Feb. 10.
 Taylor Forge & Pipe Works, assignee: *See—*
 Robaus, Stanley.
 Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Alkylation of hydrocarbons. 2,435,761, Feb. 10.
 Thacker, Carlisle M., Highland Park, and H. O. Folkins, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Thermal conversion of hydrocarbons promoted by explosive organic nitrogen compounds. 2,435,760, Feb. 10.
 Thompson Products, Inc., assignee: *See—*
 Vallee, Phillip W.
 Wischhusen, John.
 Tibbetts, Raymond W., Camden, Maine, assignor to Stator Corporation, Providence, R. I. Manufacture of double walled vessels. 2,435,806, Feb. 10.
 Tlleston, Clarence A., Glen Rock, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cable stripping device. 2,435,660, Feb. 10.
 Time, Inc., assignee: *See—*
 Faerber, Harry W.
 Timken Roller Bearing Company, The, assignee: *See—*
 McNicoll, David.
 Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,435,908, Feb. 10.
 Tinnerman Products, Inc., assignee: *See—*
 Tinnerman, George A.
 Tishler, Max: *See—*
 Van de Kamp, Jacob, and Tishler.
 Toledo Automatic Brush Machine Company, The, assignee: *See—*
 Jobst, Conrad.
 Tompkins, Norman G., Arlington, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Adhesive composition comprising an aqueous dispersion of polyvinyl acetate and pinewood extract. 2,435,909, Feb. 10.
 Toolan, John J., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin control and credit register mechanism. 2,435,933, Feb. 10.
 Trinkle, Frederick A., and J. Schwindt, Fort Morgan, Colo.; said Schwindt assignor to said Trinkle. Apparatus for produce topping and top harvesting. 2,435,910, Feb. 10.
 Trowbridge, Barnard C., Kansas City, Mo. Mirror attachment for eyeglasses. 2,435,728, Feb. 10.
 Tureman, Garnet R., Jr., Augusta, Ga. Artificial hand. 2,435,614, Feb. 10.
 Turner, Charles W., Columbia, Mo., and E. P. Reineke, East Lansing, Mich., assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Production of thyroxine from diiodotyrosine. 2,435,947, Feb. 10.
 Turner & Newall Limited, assignee: *See—*
 Cann, John A.
 Udell, Nathan, Brooklyn, N. Y. Device for washing bottles. 2,435,807, Feb. 10.
 Union Oil Company of California, assignee: *See—*
 Byrna, Alva C.
 Collier, Robert T., and Carriere.
 Jones, Philip H.
 Union Switch & Signal Company, The, assignee: *See—*
 Eckhardt, Paul K.
 Goodlin, Carl L.
 United Shoe Machinery Corporation, assignee: *See—*
 Gulbrandsen, Helge.
 Ricks, Fred, and Woodcock.

Urschel, William E., Valparaiso, Ind. Machine for removing the end of elongated food articles. 2,435,762, Feb. 10.
 Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wave length modulation. 2,435,808, Feb. 10.
 Utility Appliance Corp., assignee: *See—*
 Wessel, John H.
 Vallandigham, Vance V., Park Ridge, Ill., assignor to Kelco Company, San Diego, Calif. Film-forming compositions for oil-proof containers. 2,435,701, Feb. 10.
 Vallée, Phillip W., Lakewood, assignor to Thompson Products, Inc., Cleveland, Ohio. Pressure welding machine. 2,435,702, Feb. 10.
 Van Auker, Howard C.: *See—*
 Chafee, Earl W., and Van Auker.
 Van de Kamp, Jacob, Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparing nicotinamide. 2,435,809, Feb. 10.
 Van der Woude, Fritz R., assignor to The General Industries Company, Elyria, Ohio. Small fractional horse power shaded pole synchronous motor. 2,435,911, Feb. 10.
 Varian, Russell H., Bellmore, and W. W. Hansen and J. R. Woodyard, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Object detecting and locating system. 2,435,615, Feb. 10.
 Varney, Fred M. and J. A., Los Angeles, Calif. Signalling clinograph. 2,435,934, Feb. 10.
 Varney, Justin A.: *See—*
 Varney, Fred M. and J. A.
 Vaughan, William E., Berkeley, and E. R. Bell, Norwalk, assignors to Shell Development Company, San Francisco, Calif. Hydrogen bromide catalyzed oxidation reactions. 2,435,763, Feb. 10.
 Venton, Frederick R.: *See—*
 Fawkes, Donald G., and Venton.
 Vickers Incorporated, assignee: *See—*
 Herman, Albert D., and Harrington.
 Vico Products Company, assignee: *See—*
 Maizel, Ben, and Gerson.
 Visco Products Company, assignee: *See—*
 Kirkpatrick, Willard H., and Wilson.
 Vitalis, Emil A., East Portchester, Conn., assignor to American Cyanamid Company, New York, N. Y. Demulsifying compositions. 2,435,810, Feb. 10.
 Vittum, Paul W., A. Weissberger, and L. S. Wilder, assignors to Eastman Kodak Company, Rochester, N. Y. Elimination coupling with azo-substituted couplers. 2,435,616, Feb. 10.
 Von Pein, Edward J., Dayton, Ohio. Cue head. 2,435,855, Feb. 10.
 Voorhes Marion I., Lexington, Ky. Saddle cleaning cradle. 2,435,912, Feb. 10.
 Voorhies, Carl, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Pin. 2,435,935, Feb. 10.
 Waldorf Paper Products Company, assignee: *See—*
 Dunning, Robert M.
 Walker Manufacturing Company of Wisconsin, assignee: *See—*
 Powers, Walter H.
 Walker, O. S., Co., Inc., assignee: *See—*
 Briggs, Charles D.
 Carson, George J.
 Wall, Marion P., Lookout Mountain, Tenn., assignor to Combustion Engineering Company, Inc., New York, N. Y. Screw-threaded pivoted closure. 2,435,913, Feb. 10.
 War, United States of America, as represented by the Secretary of, assignee: *See—*
 Diggs, Lemuel W.
 Taylor, Albert C.
 Ward, George C.: *See—*
 Seymour, George W., Ward, and Hunter.
 Waters, Harry F., New York, N. Y. Artificial candle. 2,435,811, Feb. 10.
 Weathers, Carl C., and F. H. McMichael, Wichita, Kans. Pencil sharpener. 2,435,661, Feb. 10.
 Weber, Louis F., Worcester, Mass. Card dealing device. 2,435,662, Feb. 10.
 Weber, Victor, Greensburg, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Electric heating system for cooking appliances. 2,435,641, Feb. 10.
 Weingart, Richard I. N., Glen Head, N. Y. Record album. 2,435,856, Feb. 10.
 Weinman, Carl J.: *See—*
 Morrill, Henry L., and Weinman.
 Weissberger, Arnold: *See—*
 Vittum, Paul W., Weissberger, and Wilder.
 Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie Illinois Steel Corporation. Recovering pyridine. 2,435,663, Feb. 10.
 Werkenthin, Theodore A., Arlington, Va. Tracked vehicle or craft construction. 2,435,617, Feb. 10.
 Werner, Arthur C., assignor to L. H. Lukens, Lodi, Calif. Locking device for trailer hitches. 2,435,857, Feb. 10.
 Wessel, John H., assignor to Utility Appliance Corp., Los Angeles, Calif. Hub. 2,435,764, Feb. 10.

Wessman, Arnt W., Rock Island, Ill., assignor to International Harvester Company. Sheave feeding and butt cutting device for threshers. 2,435,703, Feb. 10.
 Western Electric Company, Incorporated, assignee: *See—*
 Baley, Joseph J.
 Jarman, Vincent G.
 Lea, George D., and Pfeiffer.
 Quinlan, Amos L.
 Westinghouse Electric Corporation, assignee: *See—*
 Bergstrom, Carl O.
 Newton, John S.
 Taylor, Charles H.
 Rawlins, Herbert L.
 West Virginia Pulp and Paper Company, assignee: *See—*
 Adams, Daniel O., and Hughey.
 Whann, Jesse P., and N. C. Harris, assignors to Puett Electrical Starting Gate Corporation, Los Angeles, Calif. Race starting gate. 2,435,729, Feb. 10.
 White, Claron N.: *See—*
 Rhodes, Herbert D., Rouault, and White.
 Whitehead, Donald E., New York, N. Y. Core manufacture. 2,435,858, Feb. 10.
 Whitin Machine Works, assignee: *See—*
 Worth, Arthur A.
 Whitlock, Claude J., San Bernardino, Calif. Amalgamator with preliminary slime. 2,435,812, Feb. 10.
 Whitman, John E., Bremerton, Wash. Garment hanger. 2,435,859, Feb. 10.
 Whittaker, Henry C., Memphis, Tenn. Hair curling device. 2,435,664, Feb. 10.
 Wihanto, Adolph K., Malden, Mass. Adjustable lever-effecting self-cleaning ignition point. 2,435,914, Feb. 10.
 Wilder, Lot S.: *See—*
 Vittum, Paul W., Weissberger, and Wilder.
 Wilkenfeld, Flora: *See—*
 Wilkenfeld, Lewis and F.
 Wilkenfeld, Lewis and F., New York, N. Y. Bust form. 2,435,860, Feb. 10.
 Wilkinson, Paul H., Flushing, N. Y. Toaster. 2,435,704, Feb. 10.
 Wilkison, Wylie S., Bayard, N. Mex. Security door holder. 2,435,861, Feb. 10.
 Williams, J. B., Company, The, assignee: *See—*
 Guest, Herbert H.
 Williams, Leo C., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet handling apparatus. 2,435,915, Feb. 10.
 Williams, Walter W., Fort Dodge, Iowa. Bumper clamp towing device. 2,435,813, Feb. 10.
 Wilson, Doyle L.: *See—*
 Kirkpatrick, Willard H., and Wilson.
 Wilson, James: *See—*
 Hoeffcker, John W., Wilson, and Nenstiehl.
 Wilson, Phillip J., Jr.: *See—*
 Wells, Joseph H., and Wilson.
 Wilson, Smith D., Chicago, Ill. Window cleaning apparatus. 2,435,862, Feb. 10.
 Wilson, William W., Memphis, Tenn. Sofa bed hinge support. 2,435,936, Feb. 10.
 Windsor, Claude D., Newark, N. J. Diamond tool. 2,435,916, Feb. 10.
 Wingfoot Corporation, assignee: *See—*
 Cheyney, La Verne E., and Parks.
 Clifford, Albert M.
 Clifford, Albert M., and Lichty.
 Gracia, Albert J.
 Heydorn, William P.
 Long, John R.
 Reed, Exa G.
 Shively, Walter E.
 Wischhusen, John, Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Preparing composite poppet valves. 2,435,948, Feb. 10.
 Wittgenstein, Gérard F., La Tour De Pellz, Switzerland. Disc slide rule. 2,435,705, Feb. 10.
 Wong, Gee J., Santa Barbara, Calif. Money-changer. 2,435,666, Feb. 10.
 Woodcock, Reginald B.: *See—*
 Ricks, Fred, and Woodcock.
 Woodyard, John R.: *See—*
 Varian, Russell H., Hansen, and Woodyard.
 Woolaver, George I., Milford, N. J. Continuous process centrifuge. 2,435,665, Feb. 10.
 Worden, R. B., Granger, Wash. Casting sinker. 2,435,730, Feb. 10.
 Worth, Arthur A., Lebanon, N. H., assignor to Whitin Machine Works, Whitinsville, Mass. Yarn-catching device for spinning frames. 2,435,667, Feb. 10.
 Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Bore gauge. 2,435,949, Feb. 10.
 Wydro, Robert A., Brooklyn, N. Y. Dentist's and surgeon's saw. 2,435,863, Feb. 10.
 Young, David W., Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Lubricant compositions. 2,435,619, Feb. 10.
 Young, Kenneth A., Waban, assignor to Raytheon Manufacturing Company, Newton, Mass. Coaxial transmission line. 2,435,618, Feb. 10.
 Z B Inc., assignee: *See—*
 Greubel, Alfred H.
 Zalkind, Philip, New York, N. Y. Fibre reinforced collapsible container. 2,435,917, Feb. 10.
 Zenith Radio Corporation, assignee: *See—*
 Carnahan, Chalon W.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Device for and method of using adhesive. G. H. Fritzinger. Re. 22,972, Feb. 10.
Electron beam discharge device system with resonant electrode. E. G. Linder. Re. 22,974, Feb. 10.
Protective circuit. E. F. Kurtz. Re. 22,973, Feb. 10.
Sound recording and reproducing. Magnetic. S. J. Begun. Re. 22,970, Feb. 10.
Transducer, Capillary. C. F. Burgess. Re. 22,971, Feb. 10.

LIST OF PLANT INVENTIONS

Rose plant. A. F. Watkins. 784, Feb. 10.

LIST OF DESIGN INVENTIONS

Aquarium and coffee table, Combined. A. D. Bullock. 148,608, Feb. 10.
Bathtub. C. J. Rodman. 148,648, Feb. 10.
Book-end. O. E. Berg. 148,603, Feb. 10.
Bottle. R. Bigar. 148,604, Feb. 10.
Brooch or similar article. B. Glass. 148,613-18, Feb. 10.
Buckle, Belt. W. A. Nelson. 148,634-44, Feb. 10.
Burner assembly for gas cookstoves, Top. H. M. Reeves. 148,646, Feb. 10.
Candlestick. M. Vozzella. 148,667, Feb. 10.
Chair end standard or the like, Opera. R. I. Anderson and B. Hoeker. 148,598, Feb. 10.
Cigarette lighter and case, Combined. R. W. Snodgrass. 148,650, Feb. 10.
Clock and plant receptacle, Combined mantel. N. H. Abrams. 148,597, Feb. 10.
Container for a perfume bottle or the like. E. N. Graham. 148,619, Feb. 10.
Cooker, Pressure. H. E. Brannon. 148,605-6, Feb. 10.
Display device. H. W. Broadbent. 148,607, Feb. 10.
Dolly or similar article, Rubber. J. E. Flaker. 148,609, Feb. 10.
Dress. M. Macpherson. 148,628-30, Feb. 10.
Dress. K. Rost. 148,649, Feb. 10.
Dress. J. F. Strassner. 148,653-62, Feb. 10.
Earring or similar article. L. G. Arpin. 148,599-600, Feb. 10.
Escutcheon for door bell push buttons. P. Hillman. 148,622, Feb. 10.
Fabric, Textile. M. Witsenburg. 148,668, Feb. 10.
Filter for coffee makers. W. R. Becher. 148,601, Feb. 10.
Hat and coat rack, Combined. G. Thompson. 148,663, Feb. 10.
Heater, Portable electric space. G. Steingruber. 148,652, Feb. 10.
Holder or the like, Napkin. B. Ulvad. 148,664, Feb. 10.
Holder, Paper. W. Marcens. 148,631, Feb. 10.
Holder, Toothbrush. O. Morningstar. 148,633, Feb. 10.
Juicer, Fruit. D. M. Kitterman. 148,626, Feb. 10.
Longue, Chaise. W. W. Vincent, Jr. 148,666, Feb. 10.
Mirror, Shadow box. J. Friedman. 148,610-12, Feb. 10.
Mixer and mold for margarine and other food products, Combined. G. G. Green. 148,620, Feb. 10.
Oven or the like, Dutch. H. D. La Mont. 148,627, Feb. 10.
Pack for fragile articles. W. E. Parsons and W. H. Randall. 148,645, Feb. 10.
Pitcher, Wine. V. Hingelberg. 148,623, Feb. 10.
Robe or similar article. S. Valenstein. 148,665, Feb. 10.
Rug. W. P. Kansteiner. 148,625, Feb. 10.
Shaker, Condiment. M. Steele. 148,651, Feb. 10.
Signal, Traffic. R. O. Ferguson. 148,669, Feb. 10.
Support, Foot. J. R. Martin. 148,632, Feb. 10.
Tablecloth, Lace. H. Hooven. 148,624, Feb. 10.
Toy pistol. J. P. Robinson. 148,647, Feb. 10.
Waffle. K. E. Bemis. 148,602, Feb. 10.
Wrench. F. Herman. 148,621, Feb. 10.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting board. J. H. Jones. 2,435,684, Feb. 10.
Adhesive composition comprising an aqueous dispersion of polyvinyl acetate and pinewood extract. N. G. Tompkins. 2,435,909, Feb. 10.
Aeration of butter fat-containing liquids. C. A. Gets. 2,435,682, Feb. 10.
Air conditioning unit. C. J. Rice and J. V. Narrell. 2,435,798, Feb. 10.
Airplane wheel incorporating a low-pressure fluid motor. A. H. Greubel. 2,435,827, Feb. 10.
Album, Record. R. I. N. Weingart. 2,435,856, Feb. 10.
Alkyl esters of abietic acid, Oxidation of. M. T. Harvey. 2,435,831, Feb. 10.
Alkyl esters of α -cyano- β -furylidene acetic acid as insect repellents. R. E. Heal. 2,435,780, Feb. 10.
Alpha-hydroxy-ether of fatty acid. H. H. Guest. 2,435,828, Feb. 10.
Alpha-hydroxy-ether of fatty acid soap. H. H. Guest. 2,435,829, Feb. 10.
Amalgamator with preliminary slime remover. C. J. Whitlock. 2,435,812, Feb. 10.
Ammonium compounds, Quaternary. W. S. Gump. 2,435,583, Feb. 10.
Ammonium polyacrylates, Preparation of quaternary. F. J. Glavis and H. T. Neher. 2,435,777, Feb. 10.
Ammonium sulphate, Production of. C. Otto. 2,435,898, Feb. 10.
Anchor, Tubing. J. S. Page. 2,435,899, Feb. 10.
Antenna, Dipole. S. A. Schelkunoff. 2,435,609, Feb. 10.
Apparatus for collecting liquid sediments. N. Ferraz, Jr. 2,435,578, Feb. 10.
Apparatus for control of highway crossing gates. C. L. Goodlin. 2,435,824, Feb. 10.
Apparatus for conveying and assorting poultry according to weight. S. S. Barker. 2,435,706, Feb. 10.
Apparatus for conveying and sorting headed articles in accordance with length of shank. O. C. and H. O. Niederer. 2,435,835, Feb. 10.
Apparatus for electrically testing material. T. T. Goldsmith, Jr. and E. R. Mann. 2,435,680, Feb. 10.
Apparatus for exposing and processing photographic film. E. H. Land. 2,435,720, Feb. 10.
Apparatus for the freezing-drying of tissues. A. C. Taylor. 2,435,854, Feb. 10.
Apparatus for the manufacture of metallurgical charcoal from comminuted wood waste material. W. C. Goss. 2,435,825, Feb. 10.
Apparatus for produce topping and top harvesting. F. A. Trinkle and J. Schwindt. 2,435,910, Feb. 10.
Apparatus for recording the duration of a transient effect. W. Richter and W. H. Elliot. 2,435,753, Feb. 10.
Applicator, Drill pipe protector. F. C. Boyd, H. E. Hester, and P. A. Medearis. 2,435,868, Feb. 10.
Arch support. P. E. Erickson. 2,435,822, Feb. 10.
Arrestor, Vehicle. E. A. Banschbach. 2,435,919, Feb. 10.
Artificial hand. G. R. Tureman, Jr. 2,435,814, Feb. 10.
Asbestos-cement products, Process and apparatus for the manufacture of. J. A. Cann. 2,435,646, Feb. 10.
Assembling sheet metal parts. W. H. Powers. 2,435,697, Feb. 10.
Attachment in laundry marking machine. W. C. Straszer. 2,435,851, Feb. 10.
Autocondensation product of an acid amide. E. Lieber. 2,435,631, Feb. 10.
Automatic change check. C. H. Cray. 2,435,873, Feb. 10.
Bag: See—
Fruit picking bag. Waterproof bag. J. C. Pearson, Jr. 2,435,694, Feb. 10.
Belt, Conveyor. J. Schade. 2,435,848, Feb. 10.
Binder, Ring. J. Schade. 2,435,848, Feb. 10.
Bis-(3,5,6-trichloro-2-hydroxyphenyl) methane, Making. M. Luthy and W. S. Gump. 2,435,593, Feb. 10.
Board: See—
Accounting board. Bolt, Blind. J. de Swart. 2,435,876, Feb. 10.
Bomb rack. O. L. Stockton. 2,435,639, Feb. 10.
Bomb release mechanism. E. W. Chafee and H. C. Van Auken. 2,435,575, Feb. 10.
Book mark. C. H. C. Hayes. 2,435,886, Feb. 10.
Bore gauge. J. H. Worthen. 2,435,949, Feb. 10.
Bottle carrier. P. J. Hazelet. 2,435,833, Feb. 10.
Box: See—
Fused wall outlet box. Box construction. H. J. Mackin. 2,435,838, Feb. 10.
Brake band for slusher hoists, Adjustable. R. D. Roth. 2,435,754, Feb. 10.
Brake construction, Floating external contracting. J. Borland. 2,435,867, Feb. 10.
Brush making machine. C. Jobst. 2,435,924, Feb. 10.
Bulb for hygrometric measurement, Wet. C. A. Mabey. 2,435,632, Feb. 10.
Bumper clamp towing device. W. W. Williams. 2,435,813, Feb. 10.
Burner: See—
Shrouded elongated head multinozzle burner. Burner control system, Light responsive. O. T. McIlvaine. 2,435,896, Feb. 10.
Bust form. L. and F. Wilkenfeld. 2,435,860, Feb. 10.
Butadiene-acrylonitrile copolymer plasticized with isobutyl beta isobutoxy propionate. A. M. Clifford and J. G. Lichty. 2,435,773, Feb. 10.
Butadiene-acrylonitrile copolymer with and alcohol ester of a mono-alkenyl substituted succinic acid, Compounding. L. T. Sutherland. 2,435,853, Feb. 10.
Butadiene-1,3-ethyl alpha phenylacrylate copolymer. A. M. Clifford. 2,435,674, Feb. 10.
Cable stripping device. C. A. Tileston. 2,435,660, Feb. 10.
Cam cutter. S. J. Perez. 2,435,900, Feb. 10.
Camera diaphragm setting arrangement. H. Pearce. 2,435,752, Feb. 10.
Camera utilizing a film, another sheet material, and a fluid processing agent, Developing. E. H. Land. 2,435,717, Feb. 10.
Canal of installations for recovering energy from sea waves, Concentration. P. F. Danel. 2,435,676, Feb. 10.
Candle, Artificial. H. F. Waters. 2,435,811, Feb. 10.
Card dealing device. L. F. Weber. 2,435,662, Feb. 10.
Carrier: See—
Bottle carrier. Golf club carrier. Carbons by suction, Method and apparatus for sealing. R. M. Dunning. 2,435,878, Feb. 10.
Case: See—
Cigarette package case. Catalytic isomerization of unsaturated glyceride oils. C. J. Plank. 2,435,695, Feb. 10.
Cement composition, Hydraulic. D. B. MacPherson. 2,435,594, Feb. 10.
Centrifuge, Continuous process. G. I. Woolaver. 2,435,665, Feb. 10.
Centrifuges for separating from a liquid matters suspended or emulgated therein. E. A. Forsberg. 2,435,623, Feb. 10.
Chain: See—
Cutting chain. Chemical process. E. H. McArdle and D. M. Mason. 2,435,792, Feb. 10.
Chuck, Magnetic. C. D. Briggs. 2,435,735, Feb. 10.
Cigarette dispenser. F. V. Higgins. 2,435,782, Feb. 10.
Cigarette dispenser. A. F. Mielke. 2,435,793, Feb. 10.
Cigarette package case. D. Greene. 2,435,826, Feb. 10.
Circuit: See—
Electric pulse delay circuit. Voltage magnitude discriminator circuit. Protective circuit. Circuit for induction motors, Control. W. J. Krupick. 2,435,926, Feb. 10.
Circuit interrupter. H. L. Rawlins. 2,435,844, Feb. 10.
Clinograph, Signalling. F. M. and J. A. Varney. 2,435,934, Feb. 10.
Closure for hoppers and the like. A. M. Buehler. 2,435,670, Feb. 10.
Clutch control device. J. L. Clarkson. 2,435,673, Feb. 10.
Color photography and compositions and elements therefor for utilizing sulfonamide color formers. A. B. Jennings. 2,435,629, Feb. 10.
Compressor, Centrifugal. H. A. Johnson. 2,435,836, Feb. 10.
Computer, Time-speed-distance divider-type. C. Sadowsky. 2,435,606, Feb. 10.
Computing device. G. A. Morton. 2,435,840, Feb. 10.
Computing device. G. A. Morton and L. E. Flory. 2,435,841, Feb. 10.
Condensation pump. G. A. Kuipers. 2,435,686, Feb. 10.
Connecting a handbag to its framework, Quick-detachably. L. H. Campos. 2,435,870, Feb. 10.
Container: See—
Fibre reinforced collapsible container. Control for reciprocating pumps, Stroke. W. B. Crofton. 2,435,711, Feb. 10.
Control of reflections in transmission lines. J. L. Lawson. 2,435,788, Feb. 10.
Control structure. K. O. Kearney. 2,435,716, Feb. 10.
Control system, Electronic. S. D. Ellenberger. 2,435,880, Feb. 10.

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Core manufacture. D. E. Whitehead. 2,435,858, Feb. 10.
Cork insert feeding device for crown cap assembly machines. J. W. Hoffecker, J. Wilson, and W. Nenstiel. 2,435,589, Feb. 10.
Cotton picker and similar machine. R. S. Curley. 2,435,938, Feb. 10.
Coupling power plant and vehicle axle, Angle drive mechanism. H. O. Schjolin. 2,435,930, Feb. 10.
Coupling with azo-substituted couplers, Elimination. P. W. Vittum, A. Weissberger, and L. S. Wilder. 2,435,616, Feb. 10.
Cover construction for handbags, External. E. R. Hoffmann. 2,435,784, Feb. 10.
Cradle, Saddle cleaning. M. I. Voorhes. 2,435,912, Feb. 10.
Crank throw arrangement, Six-cylinder. P. H. Davey. 2,435,874, Feb. 10.
Crystal novelty and paperweight. W. M. Snyder. 2,435,612, Feb. 10.
Cue head. E. J. Von Pein. 2,435,855, Feb. 10.
Cup, Pastry. A. Shapiro. 2,435,906, Feb. 10.
Curtain slot adjusting means to control the exposure time of camera shutters. E. S. Hine. 2,435,835, Feb. 10.
Cutter: See—
 Cam cutter. Hole cutter.
Cutting chain. A. W. Mall. 2,435,892, Feb. 10.
Cyanohydrated formal and their preparation. H. A. Brunson and T. W. Klenner. 2,435,869, Feb. 10.
Cyanostyrene copolymerized with butadienes. J. R. Long. 2,435,790, Feb. 10.
Cylinder liner. E. L. Larson. 2,435,837, Feb. 10.
Cylinders, Electroplating. S. Coulson. 2,435,872, Feb. 10.
Decarburizing austenitic manganese cast iron. A. G. E. Robiette and P. F. Hancock. 2,435,946, Feb. 10.
Demulsifying compositions. E. A. Vitalis. 2,435,810, Feb. 10.
Designs on nonmetallic materials, Production of metallic. F. E. Kerridge. 2,435,889, Feb. 10.
Detector, Dew point. O. T. McIlvaine. 2,435,895, Feb. 10.
Detergent, Reverse. W. H. Kirkpatrick and D. L. Wilson. 2,435,925, Feb. 10.
Device for washing bottles. N. Udell. 2,435,807, Feb. 10.
Device for winding a plurality of lines at relatively irregular speeds about a common shaft. E. S. Knight. 2,435,787, Feb. 10.
Diamond tool. C. D. Windsor. 2,435,916, Feb. 10.
Dispenser: See—
 Cigarette dispenser.
Dispensing apparatus, Tape. A. L. Quinlan. 2,435,795, Feb. 10.
Displaying and dispensing apparatus. C. H. Schimpff. 2,435,755, Feb. 10.
Door lock attachment. G. Nicolini and R. A. Hansen. 2,435,634, Feb. 10.
Drill sampling device for fish livers. F. B. Sanford and L. G. McKee. 2,435,608, Feb. 10.
Drum for mine anchors, Differential. J. B. Glennon. 2,435,580, Feb. 10.
Dyes containing a carbonyl and thiocarbonyl group, Chain substituted cyanine. A. W. Anish. 2,435,865, Feb. 10.
Dyes on a fibrous sheet material and the fibrous sheet material for said process, Electrolytically producing azo. M. Solomon. 2,435,700, Feb. 10.
Dyes, Soluble basic. A. E. Schaefer. 2,435,905, Feb. 10.
Dynamoelectric machine. J. Nader. 2,435,692, Feb. 10.
Edge finder. W. P. Rizer. 2,435,799, Feb. 10.
Electric pulse delay circuit. B. M. Oliver. 2,435,598, Feb. 10.
Electric soldering. G. D. Lea and C. L. Pfeiffer. 2,435,789, Feb. 10.
Electrical contact device, Conductive fluid. R. E. Paris. 2,435,725, Feb. 10.
Electrochemical salvaging method. A. J. Fusco and J. L. Bleiweis. 2,435,714, Feb. 10.
Electrode, Automatic welding. J. M. Sawhill and J. E. Skinner. 2,435,800, Feb. 10.
Electromagnet with plunger. E. R. Boynton and W. T. Rauch. 2,435,817, Feb. 10.
Electron velocity sorting discharge device. P. L. Hartman. 2,435,586, Feb. 10.
Engine: See—
 Internal-combustion engine.
Ethylbenzene by basic anion exchange agents, Stabilization of chlorinated. H. G. Hornbacher and W. C. Bauman. 2,435,887, Feb. 10.
Examining earth substances by means of ultraviolet illumination. W. P. Rand. 2,435,843, Feb. 10.
Exercising device. E. J. Adams. 2,435,864, Feb. 10.
Expansion valve. C. R. Anderson. 2,435,731, Feb. 10.
Extinguisher and ejector, Cigarette. G. S. Latin. 2,435,687, Feb. 10.
Fabric: See—
 Warp-knitted fabric.
Fabrics, Illuminated effects upon acetate. G. W. Seymour, G. C. Ward, and R. L. Hunter. 2,435,658, Feb. 10.
Fan, Axial flow. C. O. Bergstrom. 2,435,645, Feb. 10.
Fastener for suction cleaning apparatus, Closure. C. H. Taylor. 2,435,640, Feb. 10.
Fastener inserting tool. H. H. Crafton. 2,435,738, Feb. 10.

Fastening device. G. A. Tinnerman. 2,435,908, Feb. 10.
Fat hydrolysis. M. H. Ittner. 2,435,745, Feb. 10.
Feed regulator control for labeling machines. J. Soares. 2,435,803, Feb. 10.
Fibre reinforced collapsible container. P. Zalkind. 2,435,917, Feb. 10.
Film-forming compositions for oil-proof containers. V. V. Vollandigham. 2,435,701, Feb. 10.
Filter: See—
 Portable filter.
Fish lure. A. H. Smith. 2,435,932, Feb. 10.
Fixture, Illuminating. W. W. Headings. 2,435,715, Feb. 10.
Fixture, Lighting. H. L. Goebel. 2,435,678, Feb. 10.
Flashlight. E. J. McCabe. 2,435,689, Feb. 10.
Flavoring solutions. C. G. Hartman. 2,435,744, Feb. 10.
Floor sanding machine. F. J. Koenig. 2,435,685, Feb. 10.
Fluid-operated apparatus for producing molded articles. P. H. Bilhuber. 2,435,866, Feb. 10.
Fluids, Hydraulic. H. T. Neher and F. J. Glavis. 2,435,950, Feb. 10.
Flux for use in arc welding. L. K. Stringham. 2,435,852, Feb. 10.
Folding mechanism, Web. H. W. Faeber. 2,435,881, Feb. 10.
Foot actuated pressure generator. F. A. Matulich. 2,435,928, Feb. 10.
Frequency and phase correction in oscillators. M. Morrison. 2,435,751, Feb. 10.
Fruit picking bag. P. Cronrath. 2,435,921, Feb. 10.
Fruit products, Preparation of dried. R. T. Northcutt and R. T. Northcutt, Jr. 2,435,842, Feb. 10.
Funnel for casting explosive charges. C. F. Schnelder. 2,435,610, Feb. 10.
Fused wall outlet box. J. J. Nicolazzo. 2,435,794, Feb. 10.
Gage: See—
 Bore gage.
Game disk, Rotating. M. Gewirtzman. 2,435,885, Feb. 10.
Garment hanger. J. E. Whitman. 2,435,859, Feb. 10.
Garment, Pant type. H. L. Redmond. 2,435,945, Feb. 10.
Gas-borne material, Drying and disintegrating. A. H. Manning and O. Heller. 2,435,927, Feb. 10.
Gate: See—
 Race starting gate.
Gauge: See—
 Bore gage.
Geometrical measuring means for determining inflation pressure of loaded pneumatic tires. J. A. Beckett and S. S. Berry. 2,435,644, Feb. 10.
Generator: See—
 Foot actuated pressure generator.
Glazing apparatus. H. V. Schweitzer. 2,435,931, Feb. 10.
Glove. B. Lembeck. 2,435,890, Feb. 10.
Goggles. F. W. Maurer. 2,435,653, Feb. 10.
Golf club carrier. A. W. Mall. 2,435,893, Feb. 10.
Grinding machine and other rotary abrasive or cutting machine. E. C. Fielding. 2,435,622, Feb. 10.
Gun, Grease. M. O. Engseth. 2,435,647, Feb. 10.
Gyroscopic instrument. M. G. Greenland. 2,435,581, Feb. 10.
Hair curling device. H. C. Whittaker. 2,435,664, Feb. 10.
Handle: See—
 Tool handle.
Hanger: See—
 Garment hanger.
Head for wire recorders, Recording and reproducing. M. Camras. 2,435,871, Feb. 10.
Heat-treating apparatus. F. O. Hees. 2,435,923, Feb. 10.
Heating and cooling system for houses. A. De Lore. 2,435,875, Feb. 10.
Heating system for cooking appliances, Electric. V. Weber. 2,435,641, Feb. 10.
Heel, Arch support. A. H. Gilman. 2,435,677, Feb. 10.
Heel for footwear, Attachable and replaceable. R. J. Moffatt. 2,435,723, Feb. 10.
Herbicide. C. D. Fitzgerald and G. E. Lynn. 2,435,676, Feb. 10.
Hinge for eyepiece and temple for spectacles. L. Applebaum. 2,435,918, Feb. 10.
Holder: See—
 Security door holder. Work holder.
Holder. M. Cohen. 2,435,818, Feb. 10.
Holder for game devices. N. H. Running. 2,435,698, Feb. 10.
Hole cutter. B. W. Frevel. 2,435,648, Feb. 10.
Homogenizing unit. G. F. Galewski. 2,435,884, Feb. 10.
Hosiery, Circular knit. E. W. Clarke. 2,435,770, Feb. 10.
Hub. J. H. Wessel. 2,435,764, Feb. 10.
Hydrocarbon liquids, Refining. G. W. Ayers and P. Lyon. 2,435,732, Feb. 10.
Hydrocarbon material containing organic halogen compounds as impurities, Purifying a. J. W. Brooks and J. B. Kirkpatrick. 2,435,621, Feb. 10.
Hydrocarbons, Alkylation of. C. M. Thacker. 2,435,761, Feb. 10.
Hydrocarbons, Isomerization of alicyclic. C. G. Myers and A. N. Sachanen. 2,435,691, Feb. 10.
Hydrogen bromide catalyzed oxidation reactions. W. E. Vaughan and E. R. Bell. 2,435,763, Feb. 10.

Icebag and fountain syringe, Combined. W. Sevush. 2,435,637, Feb. 10.
Ice preventing means for propellers. J. De Stefano. 2,435,712, Feb. 10.
Ignition point, Adjustable lever-effecting self-cleaning. A. K. Wihanto. 2,435,914, Feb. 10.
Indicator: See—
 Service indicator.
Insecticide. H. L. Morrill and C. J. Weinman. 2,435,690, Feb. 10.
Insole, Arch-supporting. G. W. Gellier. 2,435,776, Feb. 10.
Internal-combustion engine. C. E. Summers. 2,435,650, Feb. 10.
Isotope separation process. A. F. Reid. 2,435,796, Feb. 10.
Jack: See—
 Vehicle jack.
Jig device for use in drilling holes in racket heads, Locating. H. W. Hall. 2,435,830, Feb. 10.
Key and latch, Compartment. J. G. Manley. 2,435,722, Feb. 10.
Knife sharpening device. E. W. and C. L. Clark. 2,435,671, Feb. 10.
Knitting machine, Circular. E. W. Clarke. 2,435,771, Feb. 10.
Last pulling machine. F. Ricks and R. B. Woodcock. 2,435,656, Feb. 10.
Link, Cartridge belt. H. B. Holroyd. 2,435,590, Feb. 10.
Liquid dispensing apparatus, Refrigerated. C. V. Di Pietro. 2,435,774, Feb. 10.
Liquid freezing device. H. E. Smith. 2,435,802, Feb. 10.
Liquids, Confections, and the like, Method of and apparatus for cooling. A. F. McMahon. 2,435,942, Feb. 10.
Locking device for trailer hitches. A. C. Werner. 2,435,857, Feb. 10.
Lubricant. H. D. Rhodes, G. F. Rouault, and C. N. White. 2,435,655, Feb. 10.
Lubricant compositions. D. W. Young and W. J. Sparks. 2,435,619, Feb. 10.
Lubricant filtering and dispensing tank. F. B. Harvuot. 2,435,832, Feb. 10.
Machine for removing the end of elongated food articles. W. E. Urschel. 2,435,762, Feb. 10.
Machine for use in attaching soles to shoes. H. Gulbrandson. 2,435,582, Feb. 10.
Magnetron device, Cavity resonator. J. M. Spooner. 2,435,804, Feb. 10.
Marking device, Highway. H. C. Snead, Jr. 2,435,757, Feb. 10.
Mask, Spray. W. Lehmann. 2,435,721, Feb. 10.
Massaging device, Breast. L. A. Marc-Aurele. 2,435,894, Feb. 10.
Material working apparatus. V. G. Jarman. 2,435,628, Feb. 10.
Mechanism for applying adhesive to blanks in jacket forming machines. J. Cutler. 2,435,739, Feb. 10.
Mechanism for power shovels, Trip. J. H. Edwards. 2,435,740, Feb. 10.
Meter for ultra high frequency electric power, Dissipative load and watt. E. B. Moulin. 2,435,597, Feb. 10.
Metering device, Fuel. F. C. Reggio. 2,435,902, Feb. 10.
Microphone, Balanced granular. L. R. Burroughs. 2,435,920, Feb. 10.
Mirror attachment for eyeglasses. B. C. Trowbridge. 2,435,728, Feb. 10.
Money-changer. G. J. Wong. 2,435,666, Feb. 10.
Motor: See—
 Small fractional horse-power shaded pole synchronous motor.
Motor or compressor of the radial piston type, Multiple cylinder fluid. L. Sejarto. 2,435,611, Feb. 10.
Mounting: See—
 Semirigid ophthalmic mounting.
Mounting for electronic devices. P. T. Sproul. 2,435,613, Feb. 10.
Moving-picture projection screen. W. W. Alexander. 2,435,620, Feb. 10.
Mucker, Mechanical. M. N. Boskovich. 2,435,669, Feb. 10.
Nicotinamide, Preparing. J. van de Kamp and M. Tishler. 2,435,809, Feb. 10.
Nitrosyl halide addition products of allyl-type olefinic higher hydrocarbons. L. J. Beckham. 2,435,570, Feb. 10.
Nozzle, Spray. H. L. Rowell. 2,435,605, Feb. 10.
Object detecting and locating system. R. H. Varlen, W. W. Hansen, and J. R. Woodyard. 2,435,615, Feb. 10.
Oil, Method of and apparatus for filtering. U. B. Bray and J. K. Russell. 2,435,734, Feb. 10.
Oil, Method of and apparatus for treating. U. B. Bray and J. K. Russell. 2,435,707, Feb. 10.
Oil, Production of synthetic isoparaffinic. A. C. Byrns. 2,435,708, Feb. 10.
Oil seal. A. G. C. Nehls. 2,435,943, Feb. 10.
Oil shale, Stage education of. P. H. Jones. 2,435,746, Feb. 10.
Oiling device. C. W. Merriam, Jr. 2,435,596, Feb. 10.
Oils, Winterizing. C. M. Gooding and J. R. Rich. 2,435,628, Feb. 10.

Oleoresin from trees, Increasing and prolonging the flow of. C. E. Ostrom and C. S. Schopmeyer. 2,435,724, Feb. 10.
Parachute release, Automatic. R. E. Gray. 2,435,649, Feb. 10.
Patterns, Molding flexible. M. Bean. 2,435,643, Feb. 10.
Peeler with cooperating resinous and rubber peeling surfaces, Horizontal axis drum grain. W. W. Loewy. 2,435,592, Feb. 10.
Peroxide bleaching of ground wood. D. O. Adams and G. B. Hughey. 2,435,566, Feb. 10.
Phase modulation system. S. Ramo. 2,435,601, Feb. 10.
Phosphorilated thiamin, Preparing. B. Matzel and I. Gerson. 2,435,750, Feb. 10.
Photographic apparatus for subjecting a photographic film to a processing fluid. E. H. Land. 2,435,719, Feb. 10.
Photographic process and apparatus for subjecting a photographic film to a processing fluid. E. H. Land. 2,435,718, Feb. 10.
Picker, Loom. S. D. Lesesne. 2,435,748, Feb. 10.
Pin. C. Voorhes. 2,435,935, Feb. 10.
Pipe bends, Producing lined. S. Robaus. 2,435,904, Feb. 10.
Plate, Magnetic chuck top. G. J. Carson. 2,435,737, Feb. 10.
Polymer from aqueous emulsion, Recovery of finely divided. A. J. Gracia. 2,435,778, Feb. 10.
Polymers, Halostyrene. C. H. Basdekis. 2,435,767, Feb. 10.
Portable filter. J. R. Grandin and E. F. Mechlin. 2,435,627, Feb. 10.
Post driving device, Fence. J. R. Huber. 2,435,651, Feb. 10.
Power transmission. A. D. Herman and F. T. Harrington. 2,435,834, Feb. 10.
Press: See—
 Rotary printing press.
Pressure control arrangement, Aircraft cabin. F. E. Crever and L. A. Burton. 2,435,819, Feb. 10.
Projector, Radio dial scales. H. Atwood, Jr. 2,435,564, Feb. 10.
Propeller. H. C. Rorden. 2,435,604, Feb. 10.
Protector. B. Lupo. 2,435,688, Feb. 10.
Pump: See—
 Condensation pump.
Punching machine. C. E. Burns. 2,435,574, Feb. 10.
Pusher conveyor unit. J. L. Biggs. 2,435,768, Feb. 10.
Pyridine, Recovering. J. H. Wells and P. J. Wilson, Jr. 2,435,663, Feb. 10.
Race starting gate. J. P. Whann and N. C. Harris. 2,435,729, Feb. 10.
Rack: See—
 Bomb rack.
Radiator, High-power compressional wave. W. P. Mason. 2,435,595, Feb. 10.
Receiver, Frequency modulated picture. C. W. Carnahan. 2,435,736, Feb. 10.
Rectifying system, Current. O. D. Grandstaff. 2,435,681, Feb. 10.
Reflector assembly. H. L. Goebel. 2,435,679, Feb. 10.
Register mechanism, Coin control and credit. J. J. Toolan. 2,435,933, Feb. 10.
Relay employing an electron discharge device, High-frequency. P. L. Hartman. 2,435,585, Feb. 10.
Relay, Overload. J. H. St. John. 2,435,607, Feb. 10.
Remote control system. P. K. Eckhardt. 2,435,821, Feb. 10.
Reproducing motion. R. S. Childs. 2,435,709, Feb. 10.
Ring: See—
 Self-lubricating spinning ring.
River banks, Protecting. H. N. Anderson. 2,435,568, Feb. 10.
Riveting machine. A. F. Koehler. 2,435,652, Feb. 10.
Rod: See—
 Wrought gray iron weld-rod.
Roller bearing and cage, Taper. D. McNicoll. 2,435,839, Feb. 10.
Roentgenological method and apparatus. G. W. Files. 2,435,823, Feb. 10.
Rotary printing press. H. J. Luehrs. 2,435,791, Feb. 10.
Rule, Disc slide. G. F. Wittgenstein. 2,435,705, Feb. 10.
Safety control system for fuel burners. H. S. Jones. 2,435,940, Feb. 10.
Sander, Heel. D. Bates. 2,435,642, Feb. 10.
Sanding apparatus for vehicles, Roadway. M. C. Snyder. 2,435,768, Feb. 10.
Satin white, Treatment of. H. R. Rafton. 2,435,600, Feb. 10.
Saw, Dentist's and surgeon's. R. A. Wydro. 2,435,863, Feb. 10.
Saw table. R. V. Anderson. 2,435,765, Feb. 10.
Screen: See—
 Moving-picture projection screen.
Screw-threaded pivoted closure. M. P. Wall. 2,435,913, Feb. 10.
Seal, Hasp. E. Dietze. 2,435,713, Feb. 10.
Sealing containers, Method and apparatus for. C. H. Larson. 2,435,747, Feb. 10.
Sealing feed and discharge conduits of centrifugal separator bowls. L. D. Jones. 2,435,941, Feb. 10.

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Seat: See—
Supplemental motor vehicle seat. W. S. Wilkinson. 2,435,861, Feb. 10.
Security door holder. W. S. Wilkinson. 2,435,861, Feb. 10.
Seismograph signals, Method and apparatus for exhibiting. O. F. Ritzmann. 2,435,903, Feb. 10.
Self-lubricating spinning ring. H. E. Herr. 2,435,939, Feb. 10.
Semirigid ophthalmic mounting. L. J. Page. 2,435,936, Feb. 10.
Service indicator. H. Schirokauer. 2,435,907, Feb. 10.
Sewing machine. A. B. Clayton. 2,435,937, Feb. 10.
Shade, Lamp. A. R. Klosek. 2,435,786, Feb. 10.
Shade, Lamp. G. Spaw. 2,435,759, Feb. 10.
Sharpener, Disc and blade. W. F. French. 2,435,775, Feb. 10.
Sharpener, Pencil. C. C. Weathers and F. H. McMichael. 2,435,661, Feb. 10.
Sharpening device for knives. E. W. Clark. 2,435,672, Feb. 10.
Sheave feeding and butt cutting device for threshers. A. W. Weissman. 2,435,703, Feb. 10.
Sheet handling apparatus. L. C. Williams. 2,435,915, Feb. 10.
Shoe, Elevator. H. C. Galtner. 2,435,742, Feb. 10.
Shoe or the like, Play. C. F. Behringer and L. Rogers. 2,435,668, Feb. 10.
Shoe uppers by heat-shrinking to forms, Producing. E. G. Reed. 2,435,797, Feb. 10.
Shovel, tooth. E. E. Robertson. 2,435,847, Feb. 10.
Shrouded elongated head multinozzle burner. A. E. Shorter. 2,435,638, Feb. 10.
Signaling device, Compression wave. W. R. Harry. 2,435,587, Feb. 10.
Signaling system, Traffic. P. Hinselwood. 2,435,683, Feb. 10.
Sinker, Casting. R. B. Worden. 2,435,730, Feb. 10.
Skimming device. J. J. Pluta, N. L. Mayer, and H. M. St. John. 2,435,696, Feb. 10.
Slide assembly for machine tools. M. J. Schlitters. 2,435,849, Feb. 10.
Small fractional horse power shaded pole synchronous motor. F. R. van der Woude. 2,435,911, Feb. 10.
Sofa bed hinge support. W. W. Wilson. 2,435,936, Feb. 10.
Solvents, Recovery of volatile. W. P. Heydorn. 2,435,781, Feb. 10.
Spark gap. H. Benloff. 2,435,571, Feb. 10.
Splint and guard construction. J. R. Siebrandt. 2,435,850, Feb. 10.
Spoon, shovel, or the like implement with a pusher member. A. W. Tanner. 2,435,805, Feb. 10.
Spot-welding mechanism. J. W. Dawson. 2,435,577, Feb. 10.
Stabilizers for vinyl polymers. La V. E. Cheyney and C. R. Parks. 2,435,769, Feb. 10.
Starch dispersion and making it. A. F. Peters. 2,435,901, Feb. 10.
Stick, Illuminated walking. J. H. Greene. 2,435,650, Feb. 10.
Stopping means for web replenishing looms. V. F. Sepavich. 2,435,699, Feb. 10.
Strap for looms, Check. S. D. Lescaue. 2,435,749, Feb. 10.
Sulfur dioxide from waste sulfuric acid-hydrocarbon containing material, Producing. R. T. Collier and J. G. Carriere. 2,435,710, Feb. 10.
Superfinishing device for curved surfaces. F. Bantz. 2,435,565, Feb. 10.
Supplemental motor vehicle seat. H. Belyeu. 2,435,733, Feb. 10.
Support: See—
Arch support. Telephone receiver support. 2,435,602, Feb. 10.
Sofa bed hinge support. 2,435,602, Feb. 10.
Switch. E. W. Rickmeyer. 2,435,922, Feb. 10.
Tab control mechanism. H. J. Davis. 2,435,922, Feb. 10.
Table: See—
Saw table.
Tank: See—
Lubricant filtering and dispensing tank.
Telephone receiver support. F. Anderson. 2,435,816, Feb. 10.
Tendering properties of textiles dyed with yellow to orange vat dyes with treatment with certain nitrogenous resins. A. Landolt. 2,435,591, Feb. 10.
Testing wire, Method and apparatus for. P. C. Clarke. 2,435,772, Feb. 10.
Textile fibrous materials, Method and apparatus for crimping. A. Lodge. 2,435,891, Feb. 10.
Thermal conversion of hydrocarbons promoted by explosive organic nitrogen compounds. C. M. Thacker and H. O. Folkens. 2,435,760, Feb. 10.
Thermometer centrifuge. E. W. Hintsala. 2,435,588, Feb. 10.
Thermostat valve and spring therefor. W. A. Curtis. 2,435,675, Feb. 10.
Thimble. J. B. Donnet. 2,435,877, Feb. 10.
Thyroxine from diiodotyrosin. C. W. Turner and E. P. Reineke. 2,435,947, Feb. 10.
Timing unit for switches. E. W. Rickmeyer. 2,435,603, Feb. 10.
Tire and making it, Perrotation airplane. W. E. Shively. 2,435,801, Feb. 10.
Tire, Metallic cushion. A. R. E. A. Perreau. 2,435,599, Feb. 10.
Toaster. P. H. Wilkinson. 2,435,704, Feb. 10.
Tongs and magnifying glass, Combined. W. O. Fleenor. 2,435,741, Feb. 10.
Tool: See—
Diamond tool. Fastener inserting tool.
Tool for removing dents in sheet metal, Pivoted hand. M. E. Rohde. 2,435,726, Feb. 10.
Tool handle. F. P. Pleva. 2,435,654, Feb. 10.
Tooth for power shovels. E. E. Robertson. 2,435,846, Feb. 10.
Tractor-mounted implement. R. D. Acton. 2,435,563, Feb. 10.
Transformer assembly, Tuned. L. G. Ketcham. 2,435,630, Feb. 10.
Transfusion equipment. L. W. Diggs. 2,435,820, Feb. 10.
Transmission communication apparatus, High-speed. S. D. Ellenberger. 2,435,879, Feb. 10.
Transmission for locomotive turbines, Two-speed. J. S. Newton. 2,435,633, Feb. 10.
Transmission line, Coaxial. K. A. Young. 2,435,618, Feb. 10.
Transmission, Synchro mesh. R. S. Plexico. 2,435,929, Feb. 10.
Transmission, Synchronized radio. W. L. Barrow. 2,435,569, Feb. 10.
Valve: See—
Expansion valve.
Valve actuated mechanism. L. R. Spencer. 2,435,727, Feb. 10.
Valve seat. D. G. Fawkes and F. R. Venton. 2,435,882, Feb. 10.
Valves, Preparing composite poppet. J. Wischhusen. 2,435,948, Feb. 10.
Vaporizing and disseminating device. H. Schlesinger. 2,435,756, Feb. 10.
Vehicle jack. S. De Orlow. 2,435,693, Feb. 10.
Vehicle or craft construction, Tracked. T. A. Werkenthin. 2,435,617, Feb. 10.
Venetian blind and making the same. C. W. Pollard. 2,435,944, Feb. 10.
Vessels, Manufacture of double-walled. R. W. Tibbets. 2,435,806, Feb. 10.
Voltage magnitude discriminator circuit. O. T. Francis. 2,435,579, Feb. 10.
Voltage regulation. W. H. Bixby. 2,435,572-3, Feb. 10.
Warp-knitted fabric. M. Newman. 2,435,897, Feb. 10.
Water closet for house trailers, mobile residences, buses, and the like. C. M. Rice. 2,435,845, Feb. 10.
Waterproof bag. W. J. Geimer. 2,435,743, Feb. 10.
Wave length modulation. G. L. Usselman. 2,435,808, Feb. 10.
Weather-forecast apparatus. J. Ingenhof. 2,435,785, Feb. 10.
Weather resistant steel and articles. R. Franks. 2,435,624, Feb. 10.
Weight box and guide for elevator gates and the like, Combination. N. R. Guilbert, Sr. 2,435,779, Feb. 10.
Welding apparatus. M. W. Ambrose. 2,435,815, Feb. 10.
Welding machine, Pressure. P. W. Vallée. 2,435,702, Feb. 10.
Wheel for agricultural vehicles, Running. G. Hintze. 2,435,783, Feb. 10.
Wheel for vehicles, Resilient. J. D. Garcia. 2,435,625, Feb. 10.
Wheel supporting structure. W. D. Allison. 2,435,814, Feb. 10.
Window cleaning apparatus. S. D. Wilson. 2,435,862, Feb. 10.
Wiper for use in metal plating apparatus. J. J. Baley. 2,435,766, Feb. 10.
Wire core temples, Method and apparatus for molding. M. Albanese. 2,435,567, Feb. 10.
Wire drawing die, Inspecting. R. H. Saviers. 2,435,657, Feb. 10.
Work holder. J. Jesionowski. 2,435,888, Feb. 10.
Wrought gray iron welding rod. R. J. Franklin. 2,435,883, Feb. 10.
Yarn-catching device for spinning frames. A. A. Worth. 2,435,667, Feb. 10.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 10, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2—158: 2,435,890	61—20: 2,435,576	103—205: 2,435,928	171—119: 2,435,630	220—30.5: 2,435,913	280—240: 2,435,865
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

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Total	801

Patents expiring: Patent Numbers 1,792,469 to 1,793,451, inclusive, issued February 17, 1931, expire February 17, 1948

Condition of Applications Under Examination at Close of Business Jan. 30, 1948

(Total number of applications awaiting action, excluding Trade-Mark Division, 183,254; Trade-Mark Division, 31,138. Oldest new case, Feb. 9, 1946; oldest amended, Jan. 18, 1946.)		Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.		May 10	May 17	3,563
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.		Apr. 5	Feb. 20	2,900
3. MARMELESTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)		†Apr. 10	Oct. 9	1,571
4. BISHOP, WALTER O., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.		June 25	June 4	4,024
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters		Feb. 9	Feb. 21	2,384
6. SURLE, H., Carbon Chemistry (part)		†Feb. 21	†Feb. 12	1,855
7. HANLIN, GEORGE, Optics; Photographic Apparatus		†Apr. 9	†Jan. 8	1,848
8. IMUS, A. E., Furniture; Racks and Cabinets		May 13	Apr. 12	4,024
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors		June 21	Mar. 28	2,413
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators; Piezo-electric Crystals		†Apr. 24	†Jan. 16	858
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus		†May 7	†May 19	833
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake		Dec. 12	June 13	1,965
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning		Apr. 15	Apr. 6	2,463
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabric; Farriery		†Feb. 1	Nov. 15	1,175
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass		Aug. 26	Feb. 28	2,004
16. LOVEWELL, N. N., Telegraphy; Telephony		†May 1	Oct. 4	1,842
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding		Sept. 20	May 9	1,802
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines		June 24	Apr. 8	1,726
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces		June 6	July 17	1,914
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes		May 22	June 10	2,118
21. MADER, R. C., Textiles		†Mar. 29	†Jan. 2	1,106
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance		Aug. 9	June 11	1,898
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education		June 25	Mar. 28	1,334
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines		†Apr. 1	†Apr. 3	1,866
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation		†Jan. 14	June 6	1,740
26. YOUNG, R. R., Electricity—Generation and Motive Power		†Jan. 10	May 3	1,547
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making		Dec. 11	Aug. 7	2,992
28. SOLYOM, H. L., Heating, Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons		Aug. 5	Aug. 10	1,261
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools		Oct. 10	June 5	2,903
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidistats; Heating Systems; Ammunition and Explosive Devices		†Jan. 10	Aug. 2	2,395
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons		†Apr. 8	†Apr. 5	2,103
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring		Apr. 6	Apr. 16	2,876
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements		May 6	Mar. 25	3,478
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators		July 10	Mar. 2	1,352
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making		Aug. 10	June 24	2,766
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring		Apr. 5	Mar. 29	2,033
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers		†Apr. 2	Sept. 11	1,515
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber		Oct. 10	Sept. 5	1,731
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution		Mar. 26	Feb. 28	2,836
40. DRUMMOND, E. J., Receptacles (part); Packages		†Jan. 18	July 17	3,058
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps		Apr. 1	Mar. 6	2,700
42. MARANS, H., Electric Signaling; Variable Transformer and Reactor Structure; Electricity, Voltage Magnitude and Phase Control Systems		†Apr. 9	†Feb. 21	904
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers		†May 1	†Mar. 12	1,440
44. HARVEY, L. P., Refrigeration; Preserving		Mar. 23	Feb. 18	1,320
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors		May 25	Mar. 25	2,851
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles		Aug. 2	May 27	1,837

NOTE.—The dates given are 1946 except where † indicates 1947.

Condition of Applications Under Examination—Continued

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
		New	Amended	
(Total number of applications awaiting action, excluding Trade-Mark Division, 153,254; Trade-Mark Division, 31,123. Oldest new case, Feb. 9, 1946; oldest amended, Jan. 18, 1946.)				
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes.....	Jan. 28	Oct. 15	1,967	
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters.....	May 31	May 11	1,647	
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.....	Oct. 16	July 3	1,652	
50. LEVIN, SAMUEL, Synthetic Resins.....	Feb. 6	Oct. 14	2,376	
51. FRIEDMAN, M. H., Radiant Energy (part, e. g. Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.....	Jan. 31	Aug. 3	1,931	
52. KNOTTS, M. K., Supports; Obucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.....	Nov. 22	July 8	3,792	
53. BRINDISI, M. V., Label Fastening and Paper Hanging; Book Making; Manifolded; Printed Matter; Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.....	Apr. 26	Mar. 6	3,557	
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.....	Feb. 5	Oct. 25	1,957	
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet.....	Jan. 7	Apr. 5	1,826	
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing.....	Mar. 21	Feb. 27	1,183	
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.....	May 2	Apr. 23	3,536	
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.....	Nov. 22	June 24	1,381	
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).....	May 23	May 1	2,109	
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.....	Apr. 19	Oct. 17	1,520	
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoya, Ships and Marine Propulsion.....	July 12	May 1	3,189	
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors.....	Aug. 14	May 23	1,582	
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.....	Feb. 12	Jan. 22	1,585	
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous.....	May 31	June 2	1,861	
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors.....	Apr. 14	Oct. 28	1,203	
66. LISANN, I., Geometrical Instruments.....	Apr. 2	Jan. 18	2,241	
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation.....	July 31	May 25	2,112	
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control.....	Feb. 3	Sept. 27	1,622	
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters.....	Aug. 23	May 4	1,068	
TRADE-MARKS: MERCHANT, J. H.....	July 5	Aug. 7	31,138	
DESIGNS: BREHM, G. L.....	July 2	Aug. 18	8,114	

NOTE.—The dates given are 1946 except where † indicates 1947.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LANGDON

No. 5336. Decided November 17, 1947

[164 F.2d 357; 76 USPQ 51]

PATENTABILITY—STOP, COCK AND CHECK VALVE.

Though it may be conceded that there are structural differences between the emphasized features of appellant and the resilient valve member shown by the reference, but such differences are not identified by any language in the claim, a claim to a combination stop, cock and check valve, *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 339,437. AFFIRMED.

Jesse D. Langdon, pro se.

W. W. Cochran (H. S. Miller of counsel) for the Commissioner of Patents.

GARRETT, P. J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the Examiner's rejection of a claim numbered 17 in appellant's application for patent "for Stop, Cock and Check Valves." It appears that, as stated by the Examiner, the "device is a valve arrangement for admitting water to a toilet flush tank."

The record discloses that the application was amended several times during its prosecution in the Patent Office and that claims other than that here at issue were presented at different times, but as finally acted upon by the Examiner only claim 17 was involved. It reads:

17. A stop, cock and check valve comprising a casing having an inlet and an outlet, said inlet having an inlet port of relatively small area as compared to a chamber forming a greatly enlarged passage contiguous therefrom, to slow up the velocity of pressure fluid passing the chamber holding back an appreciable large volume of relatively slow moving fluid in said chamber prior to passing thru a relatively small outlet passage communicating from said chamber into another greatly enlarged chamber wherein a relatively large volume of fluid is held and the velocity of flow reduced with respect to the last named passage; the inlet port being closed by an adjustable valve member, the passage from the first named chamber being closed by a float actuated valve member, the second named chamber having the outlet of the casing leading therefrom, said outlet being formed by an elastic member having a normally closed restricted terminal passage surrounded by elastic material whereby the flow of water is effected to keep the last named chamber filled with fluid at all times when fluid under pressure is flowing thru the casing, regardless of the rate of flow thru the inlet. [Italics supplied.]

The references cited are: Watrous, 1,609,337, December 7, 1926; Woolley, 1,857,800, May 10, 1932;

Shanley, 2,056,807, October 6, 1936; Groeniger, 2,092,757, September 14, 1937.

We have italicized the limitation upon which appellant relies for patentability, it being in effect conceded that all other elements of the claim are old in the art.

The statement of the Examiner following the appeal to the Board discloses that the Examiner applied several grounds of rejection, but the Board expressly overruled all grounds except one based on prior art expressed in the pertinent portion of the Examiner's statement as follows:

Claim 17 * * * is * * * rejected as unpatentable over either Watrous or Woolley in view of Groeniger since it would not amount to invention to equip the Watrous outlet conduit 22 or the Woolley outlet conduit 61 with the Groeniger anti-siphon device. As is made clear by Figures 1 and 3 of Shanley, an anti-siphon device which is suitable for a flush valve and bowl connection is also suitable for a flush tank outlet conduit.

From the drawing and specification considered in connection with the claim, it appears that appellant's stop, cock and check valve are enclosed within a casing which has an inlet and an outlet. The inlet has a supply tube or inlet port that is controlled by an adjustable valve member. An outlet, which appellant insists is not the outlet contemplated by the claim, is identified by the numeral 3. It has what the specification designates as an outlet tube projecting from it.

The specification recites:

The illustrated assembly consists of a casing 1 having an inlet 2 with a supply tube extended therefrom and an outlet 3 with an outlet tube 3a projecting therefrom.

The brief of the Solicitor for the Patent Office states:

Briefly, by way of summarizing, the stop, cock, and check valve * * * shown in the drawing * * * includes a casing 1 with an inlet 2 and an outlet 3 * * *.

The brief then further recites, in substance, that the inlet port which is controlled by a valve member allows pressure fluid to enter the chamber surrounding the valve member, the fluid having exit through an outlet passage. A chamber surrounding the valve member is closed by a float which is actuated by another valve member, the stem of which is surrounded by an enlarged chamber which communicates with the outlet (designated by the numeral 3) of the casing through an elastic member (identified by the numeral 7) which elastic member is described in the limitation of the claim which we have italicized.

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cized as having "a normally closed restricted terminal passage." In the drawing the restricted passage, indicated by a numeral 7b, is shown in closed position. It is said in the specification:

When water under pressure is flowing through the device the tubular portions of the flanged flexible member is expanded to close the air vents 3b and acts as a check valve to prevent the excess of water from said air vents 3b.

It may be further said that the elastic member is described in the specification as being tubular and as becoming a "check valve against atmospheric pressure or fluid in the outlet entering the body." As we understand it, the "body" is the part elsewhere referred to in the specification as the casing. From the drawing and specification it is deduced that when the water flows out of the tubular member it passes through the outlet tube which projects from the outlet in the casing.

However, appellant insists that the outlet from the casing is not the outlet referred to in the opening clause of the claim reading, "A stop, cock and check valve comprising a casing having an inlet and an outlet," but that such outlet is the "normally closed restricted terminal passage" at the lower end of the tubular shape elastic member, which passage is shown in closed position in the drawing.

One of the grounds upon which the Examiner rejected the claim was that it is vague and indefinite. The Board felt that "the claim is understandable" and overruled that ground of rejection so that it is not here involved.

Upon this point the Board said, *inter alia*:

We have read the claim carefully in connection with the illustration on the drawing and it appears to us that the claim defines the inlet, the outlet, the several chambers therebetween and the passages connecting these chambers and their relative sizes. The claim also includes the adjustable valve member, the float actuated valve member and the elastic member in the outlet passage. It appears to us that the claim is understandable as written and since the Examiner has not pointed out any particular part or parts of the claim which are rendered vague and indefinite because of the phrasing used, we cannot sustain this ground of rejection.

While the general features mentioned by the Board, of course, are apparent from the text of the claim, we confess that we have experienced some difficulty relative to details, and appellant's brief and oral argument (he appeared pro se and was not represented by counsel) have not been as clarifying as could be wished.

It seems obvious to us, for example, that normally and naturally the "outlet" contemplated by use of the term in the second line of the claim is the outlet through the casing, but it also seems to us that even if we accept appellant's contention that it, in fact, means the restricted passage in the elastic member it is a feature which properly may be held to be anticipated by the Groeniger patent, in view of the broad language of the limitation upon which appellant relies—[an outlet] "formed by an elastic member having a normally closed restricted terminal passage surrounded by elastic material." It may be conceded that there are structural differences between the emphasized feature of appellant and the resilient valve member shown by Groeniger, but such differences are not identified by any language in the claim. As is pointed out in the brief of the Solicitor

for the Patent Office, when the respective elastic elements are closed, which apparently is their normal position, there is no passage, but when opened there is a passage. In the valve of Groeniger the passage is surrounded by elastic material between elastic lips placed between slits, the lips being also of resilient material, and similarly in appellant's device there is a passage when, and only when, the ends of his tubular resilient member opens.

It may be conceded, as is argued by appellant, that Groeniger's valve opens wider than does the terminal passage in appellant's elastic member, but there is nothing in the claim which defines any particular width for the passage.

In addition to Groeniger, the Board followed the Examiner in citing the Shanley patent as a proper reference upon the feature of an anti-siphon element which appellant, in a reply brief to the brief of the Solicitor for the Patent Office, states is one of two functions performed by his elastic member. It is true that he asserts in the brief that this function is performed under "abnormal i. e. vacuum condition" and that "claim 17 is not concerned with such abnormal function." Whatever may be the proper interpretation of the function of that which appellant discloses, it is clear, we think, that the element itself is anticipated by both Groeniger and Shanley. As the Solicitor for the Patent Office points out, there is "no adequate traverse" of the holding of the Examiner (approved by the Board) relative to the Shanley showing.

So far, we have devoted attention practically exclusively to appellant's elastic member because it is that upon which he solely relies to give patentability to his combinations. It is not deemed necessary to enter into a lengthy description of the Watrous and Woolley patents because it is not seriously questioned that they disclose all the elements (or their equivalents) of the claim except the elastic member, and that, as held by the Board, is disclosed by Groeniger.

The decision of the Board of Appeals is affirmed. **AFFIRMED.**

U. S. Court of Customs and Patent Appeals

IN RE SCHARWATH

No. 5338. Decided November 29, 1947

[— F.2d —; 76 USPQ 103]

1. PRACTICE—APPEAL TO COURT IN EX PARTE CASES—ONLY FROM DECISION OF BOARD OF APPEALS.

Where the appellant seeks review not only of the decision of the Board of Appeals denying patentability on the L patent alone, but also of that of the Primary Examiner denying patentability on L in view of S, notwithstanding the overruling by the Board of the S patent as a reference, and reasons of appeal specifying alleged errors on the part of the Examiner appear in the record, *Held* that this court is without authority to review decisions of the Primary Examiner, for in *ex parte* cases such as this, appeals are taken to us only from the Board of Appeals.

2. SAME—SAME—SAME.

"In cases where the Board expressly rejects or disapproves a reference cited by the Examiner such action is binding upon us and we have no authority to go beyond the Board's decision. There can be no appeals to us from decisions of the Primary Examiner, except as they are in effect adopted by and become decisions of the Board."

3. PATENTABILITY—RELATIVE TERMS—"CONSIDERABLE."

Held that "considerable" in the expression "considerable thickness" is a relative term and that there is no sufficient certainty as to its meaning as used in appellant's claims to render it critical nor sufficiently distinguishable from the reference.

4. INVENTION—REVERSAL OF ORDER OF LAYERS IN BUILDING UNIT NOT.

Certain claims to a building unit *Held* unpatentable over the prior art, since reversing the order in which the reference arranges the layers of material falls within the purview of skill in the art rather than in the inventive field.

APPEAL from the Patent Office. Serial No. 435,142. **AFFIRMED.**

E. W. Marshall for Scharwath.

W. W. Cochran (J. L. Brewster and E. L. Reynolds of counsel) for the Commissioner of Patents.

GARRETT, P. J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner of all the claims, numbered, respectively, 36, 37, 38, and 39, finally presented in appellant's application for patent entitled "Siding Units and Method of Making Same."

The application discloses a siding unit used in buildings and a method for making same. There is, however, no method claim, all those on appeal being for the article. It seems to be agreed that no one of the claims presents matter which differentiates it patentably from the others, so the four claims stand or fall together.

The brief on behalf of appellant paraphrases and analyzes claim 36 as representative. We quote the official text:

36. A building unit comprising a base of fibrous material, a facing thereon comprising a heat insulating body layer of considerable thickness adjacent the base of cementitious material of low density and a continuous thinner outer weather resistant body layer of cementitious material of greater density.

Expressed in simple terms, appellant's siding unit, as shown by the specification and drawings, comprises a base layer of insulating board in contact with which there is a layer of porous cementitious material. Between those layers (we treat the base as a layer) there is a wire reinforcement. Adjacent the last named layer and integrated therewith is a third layer composed of hydraulic cement and asbestos, which is described in claim 36 as an "outer weather resistant body layer of cementitious material of greater density," meaning that it is of greater density than the middle layer of porous cementitious material which is said to be of "low density."

It will be observed that the "wire reinforcement" is not named in claim 36. It is named in claims 37 and 39 only. Claim 38 is similar to claim 36 but adds

that the inner (middle layer) is "mixed with bulk and porosity increasing ingredients," and that the thick (outer) layer is "mixed with weather resistant ingredients." Claim 39 adds nothing to claim 38 except the wire reinforcing feature.

It is taught by the specification that the base layer and the intermediate layer integral therewith provide bulk which stiffens the siding and gives it heat-insulating properties; that the wire reinforcement increases the strength of the structure and that the dense outer layer provides weather resistance and forms a surface to which colors may be applied in the process of making the article.

A somewhat unusual situation is presented before us.

In rejecting the claims the Examiner cited two reference patents, viz.: Lane, 1,763,469, dated June 10, 1930, and Strong, 2,038,967, dated April 28, 1936, and his rejection was based "on Lane modified in view of Strong."

The Board disagreed with the Examiner with respect to the applicability of the Strong patent and in effect, overruled it as a reference, but it held the claims rejectable upon the Lane patent alone. We quote the following from its decision:

We are not in agreement with the Examiner's position with respect to the substitution of the porous layer 11 of Strong for the layer 11 of Lane since it is believed that the final result would not produce the article called for in the claim. However, we are of the opinion that the claims do not patentably define over Lane alone since the characteristics of the layers 10 and 11 are clearly set forth in Lane. It seems to us that it would amount to nothing more than a mere reversal of parts to use layer 11 as the outer layer and layer 10 as the inner layer if one desired to have the water resistant layer on the outside. Both of these layers are cementitious in character and the layer 11 is of higher density than the layer 10. Furthermore, the terms "considerable" and "water resistant" are purely relative.

To aid in understanding the numerals and the holding in the foregoing quotation it may be said that Lane's outer surface layer, which consists of asbestos-cement material, is identified in his specification and drawing by the numeral 10, and his intermediate layer, described in the claims as being of "quick-hardening cement having greater tensile strength than the asbestos-cement sheet," is identified by the numeral 11. The latter layer serves to cement the outer surface sheet to an inner surface sheet "made of a thermal non-conducting material." As we understand the Board's holding, it is to the effect that if the order of Lane's features 10 and 11 be reversed in the unit, the resulting structure will be substantially the same as the structure of Lane, feature 11 corresponding to a feature described by appellant as a layer of cementitious material, designated by the numeral 31, and feature 10 corresponding to appellant's layer 41, which is described as a dense layer of hydraulic cement and asbestos.

[1] Notwithstanding the overruling by the Board of the Strong patent as a reference, appellant seeks review by us not only of the decision of the Board denying patentability on the Lane patent alone, but of that of the Primary Examiner denying patent-

ability "on Lane modified in view of Strong," and reasons of appeal specifying alleged errors on the part of the Examiner appear in the record. As to this, it must be held that this court is without authority to review decisions of the Primary Examiner. In ex parte cases such as this, appeals are taken to us only from the Board of Appeals. (Sec. 4911 R. S., 35 U. S. C. § 59a.)

[2] It is true that frequently we have occasion to refer to and discuss decisions of the Examiners but this is generally confined to cases where the Board approves or falls expressly to disapprove references cited by Examiners. In cases where the Board expressly rejects or disapproves a reference cited by an Examiner such action is binding upon us and we have no authority to go beyond the Board's decision. There can be no appeals to us from decisions of Primary Examiners, except as they are in effect adopted by and become decisions of the Board.

The practice does not work any hardship upon appellants. Upon the contrary it may enure to an appellant's benefit. In the instant case the Strong patent having been rejected as a reference appellant does not have to overcome it. So far as the record now stands, appellant has to overcome only the Lane patent in order to prevail and obtain patent. The question is, has he accomplished this?

In the final analysis, the principal issue is whether reversing the order in which Lane arranges his layer of asbestos-cement and his layer of quick hardening cement was an inventive act. It may be stated differently, as it was in substance during the oral argument before us, by the query: Was it inventive to put an impervious element between the layers rather than on the outside of one of them?

[3] Appellant alleges that Lane's layer 11 is neither a "body layer of considerable thickness," nor is it "of cementitious material of low density," two of the characteristics defined in appellant's claim 36, supra, as appertaining to his heat insulating body. He refers to the structure which would result from reversing the arrangement of Lane's layers which, it is pointed out, is not suggested by Lane, as a "hypothetical structure," and alleges that it "would not be like appellant's siding, either structurally or functionally. Nor would it be anything like what Lane devised."

With respect to the allegation that Lane's layer 11 is not a body layer of considerable thickness, we agree with the Board that "considerable" is a relative term. In our opinion, there is no sufficient certainty as to its meaning as used in appellant's claims to render it critical, nor does it sufficiently distinguish as to thickness from Lane's layer which is described in the Lane patent as a "properly proportioned coat or layer of a suitable magnesium oxychloride-silica sand or high alumina Portland cement mortar." [Italics supplied.] In the Lane claims it is referred to as a "quick-hardening cement having greater tensile strength than the asbestos-

cement sheet"—that is greater tensile strength than Lane's layer 10. Lane's layer, of course, is cementitious.

It is true, as appellant points out, that Lane does not use the word "density" in connection with either of his layers, a characteristic which appellant emphasizes as to his claims. Lane refers to their "tensile strength." The Board did not comment on this difference, but it did say that the (Lane) layer 11 is of higher density than the (Lane) layer 10. Inasmuch as the Lane patent does not use the words density anywhere, it seems to be appellant's view that the Board treated tensile strength as being synonymous with density. If such were the case it would be error in fact (whether reversible or not) since there is no relationship between the two terms, but the more reasonable interpretation of the Board's meaning seems to be that greater density is inherent in the material composing Lane's layer 11 than in that composing his layer 10.

We do not think, nor did appellant seriously contend, that the reinforcing wire mentioned in claims 37 and 39 adds to the patentability of the claims in view of the showing of Lane in this regard.

The feature of "bulk and porosity increasing ingredients" named in claims 38 and 39 is anticipated by Lane's layer 10 which contains asbestos fibers.

Appellant's brief devotes some space to a discussion of what it designates as "minor errors." We have examined this discussion but find nothing which affects our view as to the conclusion which we think the facts demand.

[4] We agree with the contention of the Solicitor for the Patent Office to the effect that there is no peculiar relation between the layers of the Lane patent which would be so altered by a change in their order as to produce an unexpected result. As stated in the Solicitor's brief:

The weather proofing and insulation features of [the] layers will not be impaired. Asbestos-cement layer 10 with its insulating and strength-giving features will be adjacent the fibrous material and Lane's thinner weather resistant layer 11 of dense cementitious material will be at its opposite exposed side.

To state the matter differently, we think appellant's work or development falls within the purview of skill in the art, rather than in the inventive field.

The decision of the Board is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE DAVIS ET AL.

No. 5355. Decided November 29, 1947

[— F.2d —; 76 USPQ 109]

1. CLAIMS—PRODUCT—METHOD LIMITATIONS.

The rule long has been established and is so well known as to require no citation of authority, that a product claim, in which the alleged invention is defined only by the process of making it, is not permissible except in cases where the product cannot be otherwise defined.

2. SAME—SAME.

If the Board of Appeals meant to hold that a product truly inventive should be denied patentability solely because some one might invent a process for making it different from the process by which it was actually made, then we disagree with the Board in that respect, and *Held* that, if the Board's statement respecting that phase of the case is to be regarded as being of itself a ground of rejection, such ground is overruled.

3. PATENTABILITY — PRODUCT — STABILITY — "STABLE" INDEFINITE.

The word "stable" standing alone is not sufficiently definite, and of itself, is not sufficient to lend patentability to the product claims.

4. SAME—SAME—ACRYLONITRILE.

Certain claims to an acrylonitrile capable of being stored for periods of time from six to ten months without any substantial change in its properties *Held* to define a difference in degree only from the product of the reference, and not sufficient to lend patentability to the product claims.

5. SAME—SAME—SAME.

Furthermore, whatever of difference may be deducible—whether of degree only or to a critical extent—*Held* that the claims do not define the difference with the clarity and definiteness required by R. S. 4888.

APPEAL from the Patent Office. Serial No. 446,068.

AFFIRMED.

Ellis S. Middleton (Edmund H. Parry, Jr., of counsel) for Davis et al.

W. W. Cochran (E. L. Reynolds of counsel) for the Commissioner of Patents.

GARRETT, P. J.:

Appellants bring before us for review the decision of the Board of Appeals of the United States Patent Office affirming the Primary Examiner's rejection of three claims, numbered 8, 9, and 10 of appellants' application for patent broadly entitled "Production of Acrylonitrile," which, it is said, is sometimes called vinyl cyanide.

All the claims were rejected by the Primary Examiner, but the Board reversed as to the method claims and seven claims for the method stand allowed. The appealed claims are for the product. They read:

8. A stable acrylonitrile which shows no trace of hydrocyanic acid after storage for a period of at least six months.

9. Acrylonitrile having the following properties:

Distillation range, 76.0° C.—79.0° C.
Specific gravity, 25° C./25° C. 0.8025,
Acidity, less than 0.02% expressed as acetic acid,
Aldehyde, less than 0.01% expressed as acetaldehyde,
No hydrocyanic acid,

and capable of being stored for periods of from six to ten months without any substantial change in the above properties.

10. Acrylonitrile which does not deteriorate under the influence of storage and shipping conditions produced by heating ethylene cyanohydrin in the presence of a sufficient amount of a residue resulting from the heat treatment of the ethylene cyanohydrin.

It is noted that claim 10 defines the product by the method of making it recited in allowed claim 1 which we here quote for convenience of comparison:

1. The method of producing acrylonitrile which consists of heating ethylene cyanohydrin in the presence of a sufficient amount of a residue resulting from the heat treatment of the ethylene cyanohydrin so as to cause dehydration of the ethylene cyanohydrin.

Reference patents were cited as follows: Groll et al., 2,097,155, October 26, 1937; Britton et al., 2,263,436, November 18, 1941; Finkelstein (German), 496,372, April 24, 1930.

It may be said at this point that the Groll et al. patent appears to have been cited by the Examiner solely in connection with his rejection of the method claims and it does not appear to have any application here. Also, we fail to discern any reference value in the Britton et al. patent in connection with the appealed claims. Except for formally listing it with the references, the Board did not mention it, nor does the brief of the Solicitor for the Patent Office before us refer to it. We think it clear that the German patent to Finkelstein, a translation of which is in the record, is the only reference with which we need concern ourselves.

As has been said, the Examiner rejected all the claims and, in the first instance, the Board approved the rejection of the method claims, or at least a part of them, in the form in which they were then drafted, but it suggested that by amending them and the specification in certain particulars they would be allowable "in the absence of more pertinent art." The amendments were made and the allowed claims appear in the record in the official form as amended. The product claims were rejected in the Board's first decision and this rejection was adhered to in a second decision rendered on a request for reconsideration.

It will be observed that claim 8 calls for "A stable acrylonitrile * * *" and it seems to be agreed that claims 9 and 10 are so phrased as to mean that the product is stable, although the term stable is not used therein.

It is further agreed that the claims must stand or fall upon the matter of stability, and appellants attribute their asserted stability to the "residue resulting from the heat treatment of ethylene cyanohydrin," mentioned in appealed claim 10 and in allowed claim 1, supra. It is appellant's position that the residue so named forms a catalyst which renders unnecessary the use of extraneous catalysts and, in effect, that their residue catalyst causes a stability in the acrylonitrile not present in the acrylonitrile of the prior art—that is the Finkelstein patent. As we understand the Board's decision, the allowance of the method claims, after they had been amended to conform to the Board's suggestion, was based wholly upon the presence of the residue which was held to have a catalytic effect.

We quote the following from the brief on behalf of appellants:

The applicants discovered that by heating ethylene cyanohydrin to from 140° C. to 240° C. for a sufficient length of time, a residue was formed which was itself catalytic to the dehydration of ethylene cyanohydrin. In other words, the use of extraneous catalysts was unnecessary provided the ethylene cyanohydrin was heated to a temperature and for a time calculated to produce a sufficient amount of this catalytic residue. Further heating of this ethylene cyanohydrin in the presence of a sufficient amount of that residue caused dehydration of the former with the production of acrylonitrile and water.

It is pointed out that this method was strictly a discovery and not a deliberate invention. The applicants were, of course, aware that ethylene cyanohydrin could be dehydrated to form acrylonitrile and water using extraneously added catalysts. During the practice of that well recognized prior art, it was noted that during the dehydration procedure a residue formed in the dehydration vessel. It is an extremely complex organic material of unknown composition although its physical properties have been very accurately determined. It then occurred to these applicants to attempt dehydration without the use of an extraneously added catalyst whereupon it was discovered that the residue itself was catalytic and produced desirable dehydration.

Counsel for appellants takes the position that the stability of appellants' product is due to some impurity and he construes the Examiner's statement following the appeal to the Board as holding that appellants were claiming a product in merely purified form. The brief asserts:

" * * * This is not true. Our acrylonitrile is definitely impure because it contains some kind of a stabilizer. We know that absolutely pure acrylonitrile is unstable. Our acrylonitrile being stable, there must be an impurity in it which is responsible for this characteristic."

We confess that it is not altogether clear to us whether or not the Examiner construed appellants' position to be that they were claiming the product in a purified form, but whatever may have been his view of what appellants were really claiming with regard to the purity or impurity of their product does not seem to us to be of any particular moment here. It is not questioned that appellants produced a product which possessed some degree of stability whether it was pure or impure. This stability is defined in claim 8 by the statement that the product shows no trace of hydrocyanic acid after storage for a period of at least six months, and in claim 9 it is declared to have certain "properties" which will undergo no substantial change during storage periods of from six to ten months. Claim 10 recites that it "does not deteriorate under the influence of storage and shipping conditions."

The primary issue in this case is whether appellants' product differs patentably from the prior art, specifically from the disclosure of the German patent to Finkelstein. If it be found so to differ the question then arises as to whether the claims correctly define the difference.

As has been indicated, the Board rendered two decisions in the case, the second being upon a request for reconsideration. In the first decision it said:

"From claims 8, 9 and 10 it appears that appellants consider that the invention may reside in an acrylonitrile which does not show deterioration on storage or any trace of hydrocyanic acid after six months' storage. We do not regard this limitation as more than reference to a degree of stability."

The decision then further stated: "The invention, if any, lies in the method * * *."

In its decision on the petition for reconsideration, after holding in effect that the amendments relative to the method claims placed them in condition for allowance in the absence of pertinent art, the Board said:

"Claims 8, 9 and 10, however, give no clue to the exact nature of the product except that it is exceptionally stable. We think the public should not be foreclosed to a discovery of a stable acrylonitrile made by another process. Claim 10 defines the product by the process but the latter is so broadly worded as to cover the processes of the prior art."

[1] We have been somewhat puzzled by the Board's failure to reject claim 10 squarely and unequivocally upon the ground that it defines the alleged invention only by the process of making it. The rule long has been established, and is so well known as to require no citation of authority, that claims of this character are not permissible except in cases where the product cannot be otherwise defined. In the instant case the alleged invention purports to be otherwise defined in claims 8 and 9.

As a matter of fact, the Board's first decision which affirmed generally the action of the Examiner would ordinarily be construed by us to be such a rejection, because, as has been pointed out, the Examiner definitely held, applying the holding to claim 10, that defining a product in terms of the process of producing it "is not permissible," but in its second decision the claims seem to have been rejected by the Board not upon the ground of defining the product by the method of making it, but because of its breadth being such as to "cover the processes of the prior art." We do not, therefore, treat claim 10 as having been finally rejected by the Board on the ground that it defines the product only by the process of making it, but treat its rejection as being based upon the matter of stability along with claims 8 and 9. The brief of the Solicitor for the Patent Office discussing this phase of the controversy, states (we omit record page references):

"It is unnecessary to determine whether this attempted definition of the product by the process of making it is proper since, as the board points out * * * the process as defined does not distinguish from that of the prior art. Finkelstein * * * explains that 'unchanged ethylene cyanohydrine can flow back into the vessel' in which the heat treatment is being carried on. This unchanged material is the residue called for by claim 10. The statement in the claim that the amount is 'sufficient' cannot distinguish over the reference, since it is not stated what the purpose is for which it is sufficient. The amount of this residue used by Finkelstein is sufficient for his purposes, and sufficient for the production of acrylonitrile. If it is the appellants' position that the claim means that enough residue is used to produce a stable product, then it adds nothing material to the claim, since the first two lines of the claim state that the product is stable."

We may remark that if the Solicitor correctly construes the Board's decision as holding that "the process as defined does not distinguish from that of the prior art," then it is difficult to understand how the process claims could properly have been allowed. They were allowed, however, and, of course, are not involved before us.

Another phase of the controversy grows out of expressions by the Examiner and the Board relative to the product claims dominating the art. The following appears in the second statement of the Examiner:

"The product claims are submitted to be to the old product, acrylonitrile, disclosed by the references. Whether applicant claims a comparative purity or an undefined impurity, the claims are really to an old product. An old product merely in purified form is ordinarily considered to be unpatentable over the old compound, and it is not believed that an undefined impurity should be made a basis of patentability. While the product of the German patent, apparently produced by the same steps, would anticipate the claims, they are in essence too broad in that the nature of any impurity is not established. The claims might well, also, dominate the acrylonitrile field, and it would be difficult or impossible to determine if they were infringed."

We do not understand from the foregoing that the Examiner definitely held that the fact that the claims might dominate the field standing alone constituted a ground of rejection, but the statement of the Board in its decision on the request for reconsideration, reading: "We think the public should not be foreclosed to a discovery of a stable acrylonitrile made by another process," admits of the construction that the Board deemed it proper to reject the product claims because some one hereafter might invent a new process for making the product.

[2] We think it proper to say that if the Board meant to hold that a product truly inventive should be denied patentability solely because some one might invent a process for making it different from the process by which it was actually made, then we disagree with the Board in that respect. There may be various processes for making an old patented product, and such processes may be patentable, but the grant of a process patent would not, of course, affect the previously granted product patent.

If, therefore, the Board's statement respecting that phase of the case is to be regarded as being of itself a ground of rejection, such ground is overruled.

[3] As has been indicated, the primary issue respecting the appealed claims relates to the matter of difference, if any, in the stability of appellants' product and the product of the prior art, specifically that of the German patent to Finkelstein. The Board seems to have assumed from the claims that a difference exists by reason of, for example, the limitations respecting the time or times (six to ten months) elapsing after storage without any deterioration or any trace of hydrocyanic acid, but held such difference to be a matter of degree only.

It should be understood that the Finkelstein patent does not embrace any product claims, but it is clear, of course, that by the process defined in its three method claims acrylonitrile is produced. In its production a catalyst is used but the catalyst of the patents differs from the "residue" named by appellants which was held to have catalytic properties. This is one of the features, apparently the principal one, which distinguishes the process of appellants from the process of Finkelstein, but, as of course, it does not distinguish appellants' acrylonitrile from the acrylonitrile of the patent, nor do we find anything in appellants' application which differentiates the respective products as to stability or otherwise in any definite manner. Neither in his brief nor in his oral argument before us did counsel for appellants point to anything in their specification which does so. It is true that appellants' specification uses the word stable many times while it is not used in the patent, but obviously this of itself is not sufficient to lend patentability to the product claims. The word "stable" standing alone is not sufficiently definite.

Appellants sought to establish patentable difference, or, at least, to strengthen their case, by means of affidavits, particularly the affidavit of one Oscar F. Wiedeman, who in 1935 graduated from the Massachusetts Institute of Technology with the degree of Bachelor of Science in Chemical Engineering and after that was engaged in chemical research.

The other two affiants, Washington Hull and Myrl Lichtenwalter, both of whose qualifications seem good, merely prepared samples or batches of acrylonitrile which Wiedeman used in making what is designated in his affidavit as "oxygen bomb tests."

The several affidavits were introduced in connection with a request made of the Examiner for reconsideration following what we assume from the record was his first rejection of the claims.

Without entering into details, it is deemed sufficient to state that affiant Hull said that he prepared a sample of acrylonitrile in substantial conformity with Finkelstein's example 1 (he gives four examples, the third being divided into two parts) and Lichtenwalter prepared samples stated to be in substantial conformity with Finkelstein's examples 2, 3a, 3b, and 4. The samples were turned over to Wiedeman for test.

Wiedeman in his affidavit stated, inter alia:

4. That he is entirely familiar with the specifications imposed by the industry upon acrylonitrile acceptable to it, which include the following:

- a. The acrylonitrile must be free from suspended polymer. This is required because the presence of suspended polymer indicates that polymerization has already begun and hence such a product is not satisfactorily stable.
- b. The acrylonitrile must be free from hydrocyanic acid.
- c. The acidity of the acrylonitrile expressed as acetic acid must be less than 0.02%.
- d. The acrylonitrile in appearance must be a colorless liquid.

Affiant further stated that he was entirely familiar with acrylonitrile stability tests accepted as standard by one of the largest producers of the substance in the United States, and gave a description of the test which, he said, is referred to as "accelerated oxygen bomb test." We deem it unnecessary to set out the test here. Affiant stated that " * * * [it] is a valuable index of the stability of the acrylonitrile in that it greatly intensifies the deterioration which takes place in the ordinary storage and indicates the relative period over which the product may be stored without deterioration and its actual stability."

Affiant then stated that he took the several samples of material turned over to him by Hull and Lichtenwalter and refined them by rectification at 76° to 79° C., which it may be noted is in the distillation range named in appellants' claim 9. The distillates resulting from the refinement were examined, as we understand the affidavit, immediately after the process of rectification and after examination they were subjected to the accelerated oxygen bomb test described by affiant. In the case of the sample prepared by Hull the affidavit states:

"The distillate was immediately examined and found to conform to the above specifications. Upon subjecting the same, however, to the accelerated bomb test as above indicated over a period of four hours, the acrylonitrile would not meet any of the above specifications indicating clearly a lack of necessary and acceptable stability."

With respect to the sample prepared by Lichtenwalter purporting to be based upon Finkelstein's Example II, Wiedeman said:

"[Upon examination] Example II appeared to meet the above specifications as to stability. However, when subjected to an accelerated bomb test for a period of four hours, the acrylonitrile was found to contain hydrocyanic acid and more than 0.02% acidity expressed as acetic acid and was off-color, which indicated clearly that the acrylonitrile did not have the accepted stability."

As to the other three samples, the affidavit is to the effect that upon examination, after the refining process and before the oxygen bomb test was applied, the distillates were found to contain more than 0.02% acetic acid, and in the case of III-A was also "off-color." So those three samples, even without testing, seemingly were deemed by affiant not to meet the specifications, supra, and after they had been submitted to the test for four hours there was further deterioration. So, they were regarded as not meeting the stability test imposed by the industry.

The affidavit further states:

"As a check, deponent made similar tests upon an acrylonitrile prepared according to the method of the above entitled application. The acrylonitrile was examined prior to the bomb test and found to meet all specifications for stability. At the end of a four-hour accelerated bomb test, similar in all respects to those above mentioned, the material was still found to meet all points of the specification. Another sample of the same product was subjected to the accelerated bomb test for a period of sixteen hours and still found at the end of this time to meet all of the specifications for stability."

8. As a result of the above, he draws the conclusion that acrylonitrile prepared according to the examples of the Finkelstein patent did not meet the accepted standards for a stable acrylonitrile while the material produced according to the above entitled application is definitely stable, even after an accelerated bomb test four times as long as that to which the material of the Finkelstein patent was subjected.

Neither the Examiner nor the Board discussed the affidavits. The Examiner in his final decision merely said that they had been considered. The Board did not mention them.

Upon the basis of the showing made by the affidavits, counsel for appellants in their brief before us argue that:

The conclusion, therefore, is inescapable that the Finkelstein product was not made according to applicants' method. It is evident that Finkelstein relied entirely upon an extraneously added catalyst and could not possibly have heated the ethylene cyanohydrin long enough to obtain the catalytic residue responsible for lending the necessary stability to the acrylonitrile product.

We think it may be conceded—indeed, in view of the allowance of the method claims by the Board it must be conceded—that Finkelstein's product was not made by appellants' method. If it had been, even appellants' method claims properly could not have been allowed, but it does not follow that because Finkelstein's acrylonitrile was made by a process different from appellants' process that appellants are entitled to a product patent.

According to the affidavit of Wiedeman at least two of the batches of acrylonitrile made in con-

formity with Finkelstein's examples were in stable condition prior to being subjected to the oxygen bomb test, if we are to accept as standard the specifications defined by affiant, supra—and there is no basis in the record for not accepting them.

Specifically, the statements in the affidavit relative to samples 1 and 2 means that when examined prior to the oxygen bomb test they were free from suspended polymer; free from hydrocyanic acid; the acetic acid content was less than 0.02%; and the liquid was colorless.

These are the only elements present in the specifications said by Wiedeman to be "imposed by the industry upon acrylonitrile acceptable to it." The distillation range, 76° to 79°, used in refining the samples was the same as that named in appellants' claim 9. There is no mention, so far as we can find, of the specific gravity of the samples of the Finkelstein product, nor is it stated how much aldehyde his product contained. These are features not named in the specifications defined by affiant but mentioned in appellants' application and in his claim 9. There is, however, nothing to show nor is there any claim that the specific gravity or the aldehyde content are in any respect critical.

There is, of course, nothing in the specification about oxygen bomb tests, and we find nothing in the affidavits which gives any idea as to how long a period of storage corresponds to four hours of bomb test. It is true that Wiedeman stated that the accelerated oxygen bomb test "greatly intensifies the deterioration which takes place in the ordinary storage and indicates the relative period over which the product may be stored without deterioration," but there is no suggestion of a storage period. There is nothing in either the specification of the application or in the affidavits which suggests that six months or any other period has been established during which the material will lose in storage.

[4] Assuming, as the Board held, that it may be concluded from the record that there is a difference in degree in the stability of appellants' acrylonitrile and that of the German patent, that would not be sufficient to lend patentability to the product claims, since it is a difference in degree only.

[5] Furthermore, whatever of difference may be deducible—whether of degree only or to a critical extent—we are confident that the claims do not define the difference with the clarity and definiteness required by R. S. 4888 (35 U. S. C. § 33). See *United Carbon Co. et al. v. Binney & Smith Co.*, 317 U. S. 228, 546 O. G. 593, and numerous cases therein cited.

The decision of the Board is affirmed.

AFFIRMED.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,699,084. (See 2,022,697.)

1,727,759, R. B. Fageol, Spring vehicle; 2,191,698, M. E. Painter, Exercising device, D. C., N. D. Ill., E. Div., Doc. 46c1469, *M. S. Painter v. W. B. Coggin et al.* Dismissed for want of prosecution Oct. 14, 1947.

1,916,945, H. Ferguson, Tractor-drawn agricultural implement; 2,118,180, H. G. Ferguson, Tractor for agricultural implements; 2,223,002, same, Tractor implement, filed Jan. 8, 1948, D. C., S. D. N. Y., Doc. 44/482, *H. Ferguson v. Ford Motor Co. et al.*

1,965,443, Wyner & Schulz, Pinking shears, filed Jan. 12, 1948, D. C., S. D. N. Y., Doc. 44/509, *The Henkel-Clauss Co. v. Pinking Shears Corp. et al.* Same, filed Jan. 14, 1948, D. C., S. D. N. Y., Doc. 44/520, *Pinking Shears Corp. v. The Henkel-Clauss Co.*

2,022,697, 2,314,375, Tuttle & Stickel, Eyelash curler; 1,699,084, Stickel & McDonell, same, D. C., S. D. N. Y., Doc. 35/300, *The Kurlash Co., Inc. v. Richy-I-Lash Curler, Inc., et al.* Order of discontinuance Jan. 16, 1948.

2,094,974. (See 2,101,031.)

2,101,031, C. E. Little, Apparatus for handling concrete and the like; 2,094,974, C. W. Wood, Concrete placing and finishing machine, filed Dec. 15, 1947, D. C., N. D. Calif., S. Div., Doc. 27802-G, *Guntert & Zimmerman v. H. H. Everist, Sr., et al.*

2,101,577. (See 2,158,963.) 2,118,180. (See 1,916,945.)

2,137,787, H. A. Snow, Method and apparatus for electrical measurements, D. C., S. D. N. Y., Doc. 43/375, *Boonton Radio Corp. v. Freed Transformer Co., Inc.* Consent decree favor of plaintiff sustaining patent, adjudging infringement, granting injunction Jan. 15, 1948.

2,158,963, M. J. Gossen, Weather strip and sash balance; 2,257,051, same, Metal weather strip and sash balance; 2,101,577, same, Window sash balance, D. C., N. D. Ill., E. Div., Doc. 46c923, *Master Metal Strip Service, Inc., et al. v. Protes Weather Strip Mfg. Co. et al.* Injunction granted Sept. 12, 1947.

2,191,698. (See 1,727,759.)

2,220,237, J. E. Hall, Well cleaner, filed Jan. 3, 1948, D. C. Tex. (Corpus Christi), Doc. 525, *J. E. Hall v. Specialty Warehouse.*

2,223,002. (See 1,916,945.)

2,242,197, B. G. West et al., Sound recording system; 2,291,115, Stark & Leyrer, Wired music distribution system, D. C., N. D. Ill., E. Div., Doc. 47c1076, *Rodney Pantages, Inc., v. A. M. I., Inc.* Service of process quashed and complaint dismissed Oct. 15, 1947.

2,256,602, E. H. Edwards, Gynecologic instrument, D. C., N. D. Ill., E. Div., Doc. 46c899, *E. H. Edwards v. Hychez Products.* Decree holding infringement and granting injunction, counterclaim dismissed Dec. 19, 1947. Same, filed Dec. 19, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1822, *E. H. Edwards v. Continental Plastics Co.*

2,257,051. (See 2,158,963.)

2,266,708, I. Jepson, Sadiron, D. C., N. D. Ill., E. Div., Doc. 46c1245, *General Mills, Inc., v. Sunbeam Corp.* Consent decree holding patent valid and infringed Dec. 4, 1947.

2,291,115. (See 2,242,197.) 2,314,375. (See 2,022,697.)

2,321,801, H. Dazzo, Awning arm slant adjustment means, filed Jan. 19, 1948, D. C., E. D. N. Y., Doc. 8825, *E. P. Dazzo v. Menten Brass Co.*

2,338,372. (See 2,374,317.)

2,357,312, J. Cryns, Method of preparing wheat germ for use in baking, D. C., N. D. Ill., E. Div., Doc. 45c1560, *The Bryo Co. v. G. D. Burke & Co.* Cause dismissed without prejudice Nov. 5, 1947.

2,374,317, K. A. Wright, Well production equipment; 2,338,372, same, Method for conditioning well bores, filed Dec. 10, 1947, D. C., S. D. Calif. (Los Angeles), Doc. 7839 WM, *J. E. Hall v. K. A. Wright et al.*

2,390,636, L. J. Biro, Writing instrument, D. C., S. D. N. Y., Doc. 35/104, *Eterpen Sociedad Anonima Financiera v. Eversharp, Inc., et al.* Stipulation and order of discontinuance Jan. 16, 1948.

2,425,702, G. M. Marr, Electric heater, filed Jan. 12, 1948, D. C., S. D. N. Y., Doc. 44/502, *G. M. Marr v. Michaels Bros.*

Re. 22,951, R. L. Davies, Process of making alkali silicates, filed Jan. 12, 1948, D. C., E. D. Mich., N. Div., Doc. 649, *The Pennsylvania Salt Mfg. Co. v. The Dow Chemical Co.*

T. M. 92,950, Champion Spark Plug Co., Spark-plugs, D. C. Tex. (Ft. Worth), Doc. 603, *Champion Spark Plug Co. v. W-C Mfg. Co.* Injunction Nov. 7, 1947.

T. M. 118,841, Wills Mfg. Co., Stock tank heater; T. M. 350,459, G. W. Mundle, Jr., same; T. M. 425,842, The Mundle Mfg. Co., same, D. C., N. D. Ill., E. Div., Doc. 47c892, *The Mundle Mfg. Co. v. G. W. Mundle, Jr., et al.* Cause dismissed without prejudice Nov. 24, 1947.

T. M. 208,042, A. E. Fuoss, Vaginal douche, D. C., N. D. Ill., E. Div., Doc. 45c2240, *Sanex, Inc., v. Sanex Products Co. et al.* Trade-mark held valid and infringed, injunction Nov. 21, 1947.

T. M. 350,459. (See T. M. 118,841.)

T. M. 425,842. (See T. M. 118,841.)

NOTICES

Cancellation Notices

Charles Glaze, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Famous Virginia Foods, Inc., 922 Jefferson St., Lynchburg, Va., to effect the cancellation of trade-mark registration of Charles Glaze, Exeter, Calif., No. 248,970, dated November 6, 1928. The Office has been advised that said Glaze is deceased. E. Florence Glaze, Executrix, was afforded an opportunity to intervene. No response having been made thereto, notice is hereby given that unless said Glaze, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 16, 1948.

Chiquita Coat Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Esquire Sportswear, Inc., 19-21 West 21st St., New York, N. Y., to effect the cancellation of trade-mark registration of Chiquita Coat Co., 247 West 38th St., New York, N. Y., No. 259,215, dated July 23, 1929, and the notice of such proceeding sent by registered mail to the said Chiquita Coat Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Chiquita Coat Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 23, 1948.

Penn Beverage Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by W. A. Haller Corporation, 1429 Walnut St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of Penn Beverage Company, Fitzwater St. east of Broad St., Philadelphia, Pa., No. 281,112, dated September 3, 1929, and the notice of such proceeding sent by registered mail to the said Penn Beverage Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Penn Beverage Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 29, 1948.

True Shape Hosiery Co., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Huffman Full Fashioned Mills, Inc., Meeting St., Morganton, N. C., to effect the cancellation of trade-mark registration of True Shape Hosiery Co., No. 154,848, dated May 9, 1922. The assignment records of this Office show a transfer of title to this registration to John Blood & Company, Inc., Philadelphia, Pa., which has been substituted for said registrant to defend the registration concerned. The notice of such proceeding sent by registered mail to John Blood & Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless John Blood & Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

February 2, 1948.

Ernest Blood, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Huffman Full Fashioned Mills, Inc., Meeting St., Morganton, N. C., to effect the cancellation of trade-mark registration of Ernest Blood,

No. 70,340, dated August 25, 1908, renewed by True Shape Hosiery Co., Somerset and Franklin Sts., Philadelphia, Pa. The assignment records of this Office show a transfer of title to this registration to John Blood & Company, Inc., Philadelphia, Pa., which has been substituted for said renewant to defend the registration concerned. The notice of such proceeding sent by registered mail to John Blood & Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless John Blood & Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

February 2, 1948.

Disclaimers

2,251,404.—William H. Frank and Joseph W. Harper, Detroit, Mich. ELECTRICAL DISTRIBUTION SYSTEM. Patent dated Aug. 5, 1941. Disclaimer filed Jan. 15, 1948, by the assignee, *Bulldog Electric Products Company*.

Hereby enters this disclaimer to claims 1 and 2 in said specification.

2,285,770.—William H. Frank and Joseph A. Messing, Detroit, Mich. CIRCUIT BREAKER. Patent dated June 9, 1942. Disclaimer filed Jan. 15, 1948, by the assignee, *Bulldog Electric Products Company*.

Hereby enters this disclaimer to claim 2 in said specification.

2,304,827.—Joseph W. Jewell, Summit, N. J. TRANSFER OF SOLID MATERIAL BETWEEN ZONES OF DIFFERENT PRESSURES. Patent dated Dec. 15, 1942. Disclaimer filed Dec. 18, 1947, by the assignee, *The M. W. Kellogg Company*.

Hereby enters this disclaimer to claims 1, 4, 5, and 6 of said patent, except with respect to those operations wherein the particles of catalytic material are introduced from the zone of higher pressure into the manometric column.

2,393,744.—Leo C. Brown, Chicago, Ill. MANUFACTURE OF SALAD OIL. Patent dated Jan. 29, 1946. Disclaimer filed Jan. 12, 1948, by the assignee, *Industrial Patents Corporation*.

Hereby enters this disclaimer to claims 1 and 4 in said specification.

Interference Notice

Radiant Finish Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of C-Z Chemical Company, Yates and Argall Aves., Beloit, Wis., for registration of a trade-mark and trade-mark registered September 26, 1939, No. 371,413, to Radiant Finish Company, 612 N. Michigan Ave., Chicago, Ill. The assignment records of this Office show a transfer of title to this registration to Fuller Finish Company, Chicago, Ill., which has been substituted for said Radiant Finish Company to defend the registration concerned. The notice of such declaration sent by registered mail to the Fuller Finish Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Fuller Finish Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 22, 1948.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The Hoover Company, 2300 Willoughby Tower, 8 South Michigan Ave., Chicago 3, Ill., has placed the following twenty-one patents on the Register of Patents as available for licensing. The patents relate to ice-making equipment for domestic refrigerators. Groups 34-41; 35-69-84.

Pat. 1,993,614. ICE TRAY. Patented Nov. 7, 1933. An ice tray with means for releasing the tray from the evaporator shelf of a refrigerator in the form of a plunger which can be grasped simultaneously with the tray handle to press a shoe downwardly against the evaporator shelf and raise the tray. Reg. No. 9,123.

Pat. 1,933,615. ICE TRAY. Patented Nov. 7, 1933. An ice tray having a thermostatic bottom which operates to release the tray from the evaporator shelf after the water in the tray is frozen. Reg. No. 9,124.

Pat. 2,181,114. ICE TRAY. Patented Nov. 28, 1939. An ice tray having expansible steel pockets with mechanical means for expanding the pockets sequentially from the ends of the tray toward its center whereby one or more ice cubes may be released as desired. Reg. No. 9,125.

Pat. 2,181,580. ICE TRAY. Patented Nov. 28, 1939. An ice tray having a sealed chamber in its bottom containing a brine or other freezable fluid which freezes at a temperature below 32° F. and expands to break the ice cubes loose from the tray walls. Reg. No. 9,126.

Pat. 2,181,582. ICE TRAY. Patented Nov. 28, 1939. An ice tray having an indicator operative to indicate when the ice is frozen and also to indicate whether or not the tray is filled or empty. Reg. No. 9,127.

Pat. 2,181,584. ICE MAKER. Patented Nov. 28, 1939. A clear-ice maker in the form of an ice tray for a domestic refrigerator having air ducts whereby air may be blown through the water while it is freezing to form clear ice. In one modification a small pump is arranged in the air duct at the rear of the cabinet with a tube leading to the ducts in the tray. In another modification vibration of the compressor pumps air through the tray ducts. Reg. No. 9,128.

Pat. 2,181,590. ICE MAKER. Patented Nov. 28, 1939. A clear-ice maker for a domestic refrigerator in the form of a grid to be placed in an ordinary ice tray. The grid has air ducts whereby air may be blown through the water while it is freezing to form clear ice. Reg. No. 9,129.

Pat. 2,181,591. ICE TRAY. Patented Nov. 28, 1939. An ice tray having a sealed chamber beneath the ice compartments. In one modification a plurality of wedges are moved sequentially to release one or more cubes as desired. In a second modification a plurality of different sized pistons sequentially eject cubes by the application of hydraulic pressure thereto. Reg. No. 9,130.

Pat. 2,181,593. ICE TRAY. Patented Nov. 28, 1939. An ice tray with a flexible partition between the bottom and the ice compartments charged with a non-freezing fluid with a hand pump to increase the pressure of the fluid so as to eject the ice cubes. Reg. No. 9,131.

Pat. 2,243,848. ICE TRAY. Patented June 3, 1941. A removable grid for an ice tray having a rubber partition with cube lifters embedded therein. To remove cubes it is only necessary to grasp two extensions and move them toward each other to remove two cubes. The remainder of the cubes may be removed in like manner. Reg. No. 9,132.

Pat. 2,247,903. ICE MAKER. Patented July 1, 1941. A clear-ice maker for a domestic refrigerator in the form of a resiliently mounted evaporator shelf. In one form a small vibrator vibrates the shelf while the water is freezing to form clear ice. In another form the vibration of the compressor vibrates the shelf. Reg. No. 9,133.

Pat. 2,247,904. ICE MAKER. Patented July 1, 1941. A clear-ice maker for a domestic refrigerator in which the entire evaporator is suspended from a resiliently mounted motor-compressor unit so as to vibrate the water while it is freezing to form clear ice. Reg. No. 9,134.

Pat. 2,264,849. ICE TRAY. Patented Dec. 2, 1941. A flexible grid for an ice tray with a handle at each end. The grid is removed from the tray by raising the handles and ice is removed from the grid by twisting it, using the handles as levers. Reg. No. 9,135.

Pat. 2,271,558. ICE TRAY. Patented Feb. 3, 1942. A grid for an ice tray in which the grids are attached to a flexible cover. The grid is removed from the tray by raising a pair of handles and the ice is removed from the grid by a continued movement of the handles. Two or more cubes may be removed as desired. Reg. No. 9,136.

Pat. 2,278,221. ICE TRAY. Patented Mar. 31, 1942. An ice tray and grid assembly in which the tray is removed from the evaporator shelf, the grid is removed from the tray and the ice is removed from the grid by upward movement of a single operating lever. Reg. No. 9,137.

Pat. 2,278,229. ICE TRAY. Patented Mar. 31, 1942. An arrangement by which ice trays may be removed from the evaporator of a refrigerator and ice cubes ejected from the tray by a hand or foot operated lever outside of the refrigerator cabinet or by the opening of the cabinet door. Reg. No. 9,138.

Pat. 2,297,371. ICE MAKER. Patented Sept. 29, 1942. A continuous ice maker for domestic refrigerators in the form of an endless belt having ice pockets is moved through a water tank to pick up water, through a freezing chamber where the water is frozen, and back to the water tank where the ice melts loose and floats to the surface of the water in the tank. A cooled storage space for food is also provided. Reg. No. 9,139.

Pat. 2,320,534. ICE TRAY. Patented June 1, 1943. An ice tray wherein the grid is removed from the tray by raising a lever upwardly and the ice is separated from the grid by moving the same lever at right angles to the first movement. Reg. No. 9,140.

Pat. 2,320,542. ICE TRAY. Patented June 1, 1943. An ice tray in which individual ice cubes are raised upwardly in the tray by rotating a separable bar which acts to raise the cross grids upwardly in succession. Reg. No. 9,141.

Pat. 2,389,317. ICE TRAY. Patented May 20, 1945. An ice tray in which cells or pockets are provided to receive water to be frozen. The bottoms of the cells are flexible with sealed spaces below the bottoms containing a volatile fluid which condenses at temperatures below 32° F. and evaporates at temperatures above 32° F. When the tray is removed from the refrigerator the fluid vaporizes and expands, and the rise in vapor pressure loosens and forces the ice cubes upwardly in the pockets. The device can be made to operate in less than a minute after the removal of the tray from the refrigerator. Reg. No. 9,142.

Pat. 2,410,292. ICE TRAY. Patented Oct. 29, 1946. An ice tray in which the grid is removed from the tray by raising a lever upwardly to rotate a shaft and continued movement of the lever releases pairs of cubes in succession. Reg. No. 9,143.

Pat. 2,429,873. SAFETY WINDOW LOCK. Patented Oct. 28, 1947. This window lock is designed to be mounted on conventional lower or upper window sash. A casing has a flat base on which a long and short flange are bent to form locking lips which engage recesses in the side walls of a top cover plate. The plate is open at front and back ends. Operating parts are mounted on the base and include a rotatable arcuate locking foot, the serrated edge of which engages the stop strip of a lower window sash. An upstanding lug on the foot is engaged by a spring having a straight portion which passes through a slot in an upstanding flange on the plate to engage a rivet on which a cam lever is rotatably mounted. The cam bears against the plate to move the foot into and out of engagement with the stop strip. In operation, the foot is normally returned to inoperative position by the spring, but is cammed to a locking position by the lever. A similar lock is employed on the upper sash, but is countersunk in the sash rail, the foot engaging the adjoining window frame instead of the stop strip. (Owner) Elmer B. Evans, 1319 Shatto St., Los Angeles 14, Calif. Group 33—59. Reg. No. 9,144.

Pat. 2,428,057. ELECTRICAL TERMINAL BLOCK. Patented Sept. 30, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Terminal block facilitates connecting and disconnecting many temporary electrical connections involved when testing electrical equipment. It comprises a rectangular block of insulating material having a series of transverse channels in its top surface and rocking keys (similar to piano keys) of insulating material pivotally mounted in the channels. Near one side of the block, contact studs for lead wires protrude upwardly into the channels, and contact posts for power input wires project below the bottom of the block. These studs and posts constitute the upper and lower ends of individual conductor rods which extend through the block. When a selected key is depressed, it uncovers a stud to permit a closed lug of a lead wire to be slipped over the stud. When released, a spring closes the key, with a recess in the key embracing the stud to maintain lug coupled to stud. Keys also shield studs and lugs. (Owner) Escot S. Wilburn. Address correspondence to O'Hara, Randall, Castagnetto & Kilpatrick, 525 Capitol St., Vallejo, Calif. Group 36—11. Reg. No. 9,145.

Pat. 2,430,586. WELDING ELECTRODE HOLDER. Patented Nov. 11, 1947. This holder provides relatively large contact area between its conductor bar and an electrode; permits access to interior parts; easy attachment or detachment of a power cable; and prevents arcing, should holder accidentally contact metal surfaces. A hollow two-part cylindrical casing of insulating material encloses a conductor bar (of reduced diameter at its forward end)

and a rear cable block which are threadedly connected. The front casing section, which surrounds and carries an elongated metallic sleeve, has its rear end telescoped into the rear casing section (which constitutes a handle) for limited sliding movement therein. The front casing section, the sleeve, and the conductor bar are provided with transversely inclined openings which are adapted to register when the front casing section is slid rearwardly to permit insertion of an electrode. A spring normally urges the front casing section forwardly to firmly hold electrode in holder. (Owner) Kenneth L. Smith, % Kwik-Way Garage, Highway 69, Eufaula, Okla. Group 36—19. Reg. No. 9,146.

Pat. 2,430,512. CLEANING DEVICE FOR CHIMNEYS OR THE LIKE. Patented Nov. 11, 1947. This cleaning device is made up of a number of rods having a collar extension and connected in pairs by a universal joint, the tops being threaded to receive a brush or other suitable cleaning instrument. The rods are retained in a coaxial position, when extended, by a flanged sleeve provided on the rods, the sleeve being supported on the shoulder of the collar extension. The device may be adapted to chimneys of any length and used by a single worker without the aid of ladders. A carrying case, similar to a valise, is provided for transporting the rods in collapsed position. (Owner) Frank H. Johnson, Jr. Address correspondence to Ernest G. Montague, 500 Fifth Ave., New York 18, N. Y. Group 39—22. Reg. No. 9,147.

Pat. 2,430,501. COFFEE SERVICE APPARATUS. Patented Nov. 11, 1947. A coffee dispenser for restaurants, canteens, and other public eating places. A water heater (fired in any desired manner) and coffee urns are hidden from the service room by a partition to allow less expensive urns and better insulation. A long coffee-dispensing tube leading from the urns has a number of discharge faucets spaced along a service counter, with drain trough beneath. Hot water circulates through a water jacket surrounding each urn and around the coffee supply line to keep coffee hot at all times. One or more faucets may be attached to the jacket to supply hot water for making tea, etc. The supply line is constructed in a series of independent sections so fitted that they are easily disassembled, and hot water may be circulated through the entire coffee system, for cleaning. (Owner) D. B. Gallally, 222 East 82d St., New York, N. Y. Group 35—51. Reg. No. 9,148.

Government Owned Application

Application Serial No. 753,791. ELECTRICAL MICROMETER. A device and method for measuring micrometric thicknesses of various materials, preferably electrically non-conductive, from one side thereof thereby eliminating the necessity for either an electrical or physical connection to the other side of the media to be measured. The device comprises a coil for generating a radio frequency electromagnetic field which is caused to traverse the media to be measured and impinge on a non-magnetic electrically conducting surface at one side of the media. A direct reading instrument is arranged to indicate the resultant of the primary inducing field and the field induced in the conducting surface as measured at the opposite side of the media, it having been found that such resultant varies linearly with distance after certain compensating adjustments have been made. (Terms and conditions of licenses may be obtained from Assistant Chief of Naval Research for Patents, Navy Department, Washington 25, D. C.) Groups 35—43; 36—13; 39—11. Reg. No. 9,149.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 17, 1948

[Vol. 607, No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 505,797. BURBANK CHEMICAL COMPANY, Burbank, Calif. Filed July 18, 1946.

JEFFILAC

FOR NITRO CELLULOSE BASES CONSISTING OF NITRO CELLULOSE, SOLVENTS AND DILUTENT WHICH ARE USED IN THE MANUFACTURE OF LACQUER, ARTIFICIAL LEATHER AND ADHESIVES. Claims use since Jan. 1, 1944.

Ser. No. 514,576. ROBERT L. CLARK, Mount Sterling, Iowa. Filed Dec. 16, 1946.

SHINE HOUNDS

Applicant disclaims the word "Hounds" apart from the mark.

FOR HOUNDS (HUNTING DOGS).
Claims use since Oct. 30, 1940.

Ser. No. 515,144. VALITE CORPORATION, New Orleans and Lockport, La. Filed Dec. 31, 1946.

Valite

FOR UNCURED AND UNMOLDED THERMOSETTING AND THERMOPLASTIC MOLDING COMPOUNDS, WITH ORGANIC AND INORGANIC FILLERS, AND FOR SYNTHETIC THERMOPLASTIC AND THERMOSETTING RESINS, IN SOLID FORM, POWDERED FORM, OR IN SOLUTION IN ALCOHOL OR OTHER RESIN SOLVENTS, FOR USE WITH FILLERS AS MOLDING COMPOUNDS FOR COMPRESSION OR INJECTION MOLDING, AS IMPREGNATING VARNISHES FOR THE PRODUCTION OF LAMINATED ARTICLES FROM PAPER, CLOTH, GLASS AND OTHER FABRICS, AS INGREDIENTS IN PHONOGRAPH RECORD MOLDING COMPOSITIONS, AND VARIOUS OTHER USES IN THE INDUSTRIAL ARTS, AND FOR OTHER MANUFACTURED ARTICLES.

Claims use since Apr. 18, 1942.

607 O. G.—25

Ser. No. 521,727. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed May 2, 1947.

STRUX

FOR CELLULAR CELLULOSE ACETATE, THAT IS, CELLULOSE ACETATE FILLED WITH AIR BUBBLES TO FORM A HONEYCOMB OF NONINTERCONNECTING CELLS, IN THE FORM OF STRIPS AND LAMINATED SHEETS, USED AMONG OTHER THINGS AS A CORE MATERIAL IN LUGGAGE UNITS, SECTIONAL PANELS IN AIRCRAFT AND BOATS, TABLE TOPS AND THE LIKE.

Claims use since Apr. 14, 1947.

Ser. No. 522,830. EAGLE-OTTAWA LEATHER COMPANY, Grand Haven, Michigan. Filed May 22, 1947.

SPEY ROYAL GRAIN

Applicant disclaims exclusive use of the word "Grain" apart from the mark.

FOR LEATHER.
Claims use since January 1935.

Ser. No. 522,857. EAGLE-OTTAWA LEATHER COMPANY, Grand Haven, Mich. Filed May 22, 1947.

YEOMAN GRAIN

Applicant disclaims the word "Grain." FOR LEATHER.
Claims use since January 1937.

Ser. No. 522,862. EAGLE-OTTAWA LEATHER COMPANY, Grand Haven, Mich. Filed May 22, 1947.

GRID-TAN

Applicant disclaims exclusive use apart from the mark of the word "Tan." FOR LEATHER.
Claims use since January 1947.

CLASS 2 RECEPTACLES

Ser. No. 514,002. BRIGGS-SHAFFNER COMPANY, Winston-Salem, N. C. Filed Dec. 11, 1946.

Pastelite

FOR COASTERS, AND SALT AND PEPPER SHAKERS, MADE OF BASE METAL.
Claims use since Dec. 3, 1946.

Ser. No. 525,368. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed July 1, 1947.

Krene

FOR PLASTIC CASES AND ENVELOPES FOR KEEPING AND STORING LINGERIE AND OTHER PERSONAL ARTICLES; AND PLASTIC BLANKET BAGS.
Claims use since March 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 504,275. INDUSTRIAL OIL CORPORATION, Warren, Pa. Filed June 20, 1946.

CONQUEST

FOR CLEANING FLUID FOR USE IN REMOVING SPOTS FROM CLOTHING AND FOR GENERAL HOUSEHOLD SPOT REMOVER USE.
Claims use since May 7, 1946.

Ser. No. 515,957. LYSTAD & REDICK, INC., East Grand Forks, Minn. Filed Jan. 18, 1947.

CIRCLE SUDS
THE ALL AROUND SOAP

No claim is made to the unitary expressions "Lystad's Chemicals" and "The All Around Soap" or the word "Suds."

FOR CLEANING, CLEANSING, AND DETERGENT COMPOUND OF GENERAL UTILITY.
Claims use since Feb. 26, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 493,201. LENTHERIC, INCORPORATED, New York, N. Y. Filed Dec. 13, 1945.

DEEP WHITE

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Dec. 4, 1945.

Ser. No. 493,202. LENTHERIC, INCORPORATED, New York, N. Y. Filed Dec. 13, 1945.

PALE BLACK

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Dec. 4, 1945.

Ser. No. 504,994. ODORA COMPANY, INC., New York, N. Y. Filed July 2, 1946.

Odora

FOR TOILET BOWL DEODORANTS.
Claims use since Oct. 10, 1927.

Ser. No. 505,173. ANDERSON-PRICHARD OIL CORPORATION, Oklahoma City, Okla. Filed July 8, 1946.

NODOROILS

FOR CERTAIN TYPE OF NAPHTHAS, SOLVENTS, AND BASE OILS REFINED FROM PETROLEUM AND TREATED BY THE ANDERSON-PRICHARD OIL CORPORATION'S "DEPOLARIZATION PROCESS," FOR DEODORIZATION AND CHEMICAL STABILITY OF SUCH PRODUCTS AS BASE OILS FOR INSECTICIDES, INKS, AND THE LIKE.

Claims use since May 1, 1946.

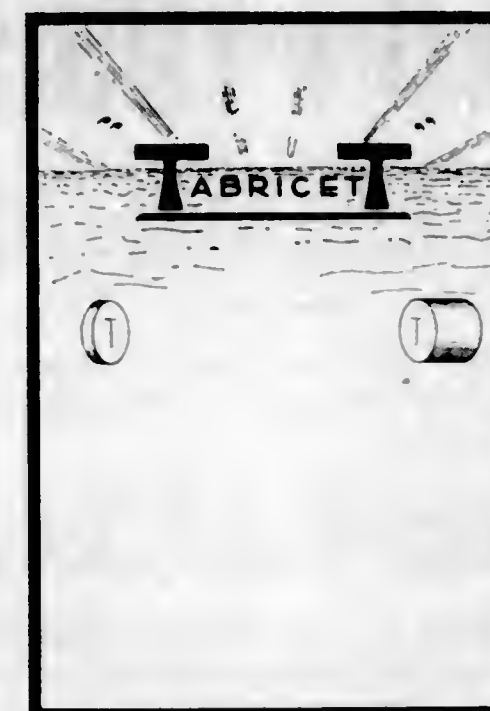
Ser. No. 505,458. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y. Filed July 11, 1946.

BLAST FREEZE

No claim is made to exclusive use of the word "Freeze" apart from the mark.

FOR ANTIFREEZE SOLUTION FOR REFRIGERATION BRINE.
Claims use since October 1942.

Ser. No. 509,284. JAMES HOWARD HEAL, doing business as Treatment Service and Engineering Company, San Francisco, Calif. Filed Sept. 18, 1946.



FOR WATER TREATMENT CHEMICALS USED IN TREATING BRINE OR SEA WATER IN EVAPORATORS, FOR PRODUCING DISTILLED WATER.
Claims use since Aug. 5, 1946.

Ser. No. 511,358. SOCIÉTÉ D'ÉTUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris and Asnières near Paris, France. Filed Oct. 23, 1946.

ESTAMPE

FOR PERFUMES.
Claims use since Sept. 18, 1946.

Ser. No. 512,474. ZIEBARTH CORPORATION, Seattle, Wash. Filed Nov. 12, 1946.



FOR BLEACHING COMPOUND USED AS A SUPPLEMENT TO SOAP IN THE WASHING OF FABRICS.
Claims use since Sept. 1, 1946.

Ser. No. 513,904. SOCIÉTÉ COMMERCIALE D'APPLICATION ET DE REPRÉSENTATION DE LA PARFUMERIE, Paris, France. Filed Dec. 7, 1946.

JEUNE COUTURE

FOR PERFUMES.
Claims use since Oct. 7, 1946.

Ser. No. 514,222. ROBERTS LABORATORIES, Denver, Colo. Filed Dec. 13, 1946.



FOR DEPILATORY CREAM.
Claims use since Nov. 19, 1946.

Ser. No. 514,431. RIT PRODUCTS CORPORATION, Chicago, Ill. Filed Dec. 17, 1946.

RIT

FOR COLORS FOR FOODS, BEVERAGES, AND ICE CUBES.
Claims use since January 1940.

Ser. No. 514,673. THE UNITED PIECE DYE WORKS, Ltd., N. J., and New York, N. Y. Filed Dec. 21, 1946.

UNIFAST

FOR CHEMICAL PREPARATION FOR TREATING AND FINISHING FABRICS.
Claims use since Aug. 12, 1946.

Ser. No. 514,789. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Dec. 24, 1946.

Microspersed

FOR OPHTHALMIC OINTMENT.
Claims use since Oct. 21, 1946.

Ser. No. 515,204. SUSQUEHANNA CHEMICAL CORPORATION, Bradford, Pa. Filed Jan. 2, 1947.



The word "Chemicals" is disclaimed apart from the mark as shown.
FOR METHANOL (WOOD ALCOHOL).
Claims use since Oct. 19, 1946.

Ser. No. 515,205. SUSQUEHANNA CHEMICAL CORPORATION, Bradford, Pa. Filed Jan. 2, 1947.



The word "Chemicals" is disclaimed apart from the mark.
FOR ACETIC ACID.
Claims use since Sept. 9, 1946.

Ser. No. 515,547. WALTER FLORELL, INCORPORATED, New York, N. Y., and elsewhere. Filed Jan. 10, 1947.

Applause

FOR PERFUME AND TOILET WATER.
Claims use since Dec. 5, 1946.

Ser. No. 516,015. CLAIR J. HAMILTON, San Luis Obispo, Calif. Filed Jan. 20, 1947.

PED-I-TOSIS

FOR PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT.
Claims use since July 15, 1946.

Ser. No. 516,706. JOHN N. MCMATH COMPANY, doing business as Lloyd-Sargent Co., New Rochelle, N. Y. Filed Jan. 31, 1947.

PUNCH AND JUDY

FOR SHAMPOO, DUSTING POWDER, BUBBLE BATH, COLOGNE, TALCUM POWDER, HAIR POMADE, BRILLIANTINE, AND HAIR TONIC.
Claims use since July 13, 1945.

Ser. No. 517,356. MARY-THELMA CROSLAND, doing business as Mor-Art Company, Eugene, Oreg. Filed Feb. 12, 1947.

MOR-ART

FOR COSMETICS—NAMELY, LIPSTICK, EYE SHADOW, ROUGE, POWDERLESS SHEEN MAKE-UP, FACIAL CREAMS, AND SKIN LOTION.
Claims use since January 1940.

Ser. No. 518,786. SOCIALITE COSMETICS, INC., New York and Brooklyn, N. Y., assignor to Louis Appell, New York, N. Y. Filed Mar. 10, 1947.

DANCE OF THE HOURS

FOR PERFUMES, TOILET WATER, LIPSTICK, ROUGE, FACE POWDER, NIGHT CREAM, AND COLD CREAM.
Claims use since Jan. 23, 1947.

Ser. No. 518,836. THE LANDER CO., INC., New York, N. Y. Filed Mar. 11, 1947.

DIXIE PEACH

FOR HAIR POMADE, BRILLIANTINE, AND FACE POWDER.
Claims use since 1927.

Ser. No. 520,011. ARMOUR AND COMPANY, Chicago, Ill. Filed Apr. 2, 1947.

FLINTCOTE

FOR SOAP ESPECIALLY FORMULATED FOR WIRE DRAWING.
Claims use since Feb. 7, 1946.

Ser. No. 520,458. GEORGE R. KETTLESON, doing business as George R. Kettleison & Co., Chicago, Ill. Filed Apr. 10, 1947.

SALFENOL

FOR GERMICIDE, ASTRINGENT MOUTH WASH, AND MOUTH DEODORANT.
Claims use since March 1916.

Ser. No. 521,838. ULTRA CHEMICAL WORKS, INCORPORATED, Paterson, N. J. Filed May 3, 1947.

ULTRAPONE

FOR SURFACE ACTIVE AGENTS USEFUL AS WETTING AGENTS AND FOAMING AGENTS.
Claims use since Apr. 15, 1947.

Ser. No. 522,197. RAMON SIEMINSKI AND A. LEWIS KING, Jersey City, N. J. Filed May 10, 1947.



FOR DIET SUPPLEMENT CONSISTING OF VITAMINS AND MINERALS.
Claims use since April 1945.

Ser. No. 522,345. PACIFIC CHEMICAL COMPANY, Los Angeles, Calif. Filed May 13, 1947.

PACIFIC

FOR INSECTICIDES; DEODORANTS IN LIQUID AND CAKE FORM USED TO ABSORB AND MASK ODORS; DISINFECTANTS; AUTOMOBILE MOTOR AND CARBURETOR AND SMALL PARTS CLEANER IN LIQUID FORM, USED TO DISSOLVE OIL AND GREASE AND REMOVE CARBON; AND A CHEMICAL RUST PREVENTATIVE AND REMOVER PREPARATION IN LIQUID FORM.
Claims use since 1904.

Ser. No. 522,393. PARFUMERIE ROGER & GALLET, SOCIÉTÉ ANONYME, Paris, France. Filed May 14, 1947.

PARTIR

FOR PERFUMES, TOILET WATERS, FILLED POWDER AND ROUGE CONTAINERS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR, AND SACHET POWDERS.
Claims use since Feb. 14, 1927.

Ser. No. 524,491. SOCIÉTÉ DE PRODUITS CHIMIQUES DES TERRES RARES, Paris, France. Filed June 19, 1947.

FRAMANOL

FOR CHEMICAL PREPARATIONS USED IN INDUSTRY AND IN THE DRUG TRADE—NAMELY, PREPARATIONS FOR DEGREASING METALS, CLEANING AND SCRAPING METALS AND FOR THE PASSIVATION OF METALS.
Claims use since May 31, 1946.

Ser. No. 524,721. ANATOLE ROBBINS, INC., Los Angeles, Calif. Filed June 24, 1947.

autumn leaves

FOR PERFUME.
Claims use since Dec. 24, 1940.

Ser. No. 524,993. WILLIAM A. KENNEDY, Rogers, Ark. Filed June 27, 1947.

William A. Kennedy's Alamagum Compound

No claim is made to the words "William A. Kennedy's" or the word "Compound," apart from the mark as shown.
FOR MEDICINAL PREPARATION USED IN THE TREATMENT OF COCCIDIOSIS IN POULTRY.
Claims use since Dec. 20, 1946.

CLASS 7 CORDAGE

Ser. No. 518,288. FIBRE CORD DIVISION OF KARY-SAFE PAPER BAG CO., INC., New York, N. Y. Filed Feb. 28, 1947.



Applicant disclaims the word "Trim" apart from the mark.
FOR RIBBON MADE OF RAYON AND CELLOPHANE AND USED FOR TYING UP AND ORNAMENTS PACKAGES, BOXES, AND OTHER CONTAINERS.
Claims use since August 1946.

Ser. No. 518,289. FIBRE CORD DIVISION OF KARY-SAFE PAPER BAG CO., INC., New York, N. Y. Filed Feb. 28, 1947.

RAY-RIB

Applicant disclaims the word "Rib" apart from the mark.

FOR RIBBON MADE OF RAYON AND CELLOPHANE AND USED FOR TYING UP AND ORNAMENTS PACKAGES, BOXES, AND OTHER CONTAINERS. Claims use since 1940.

Ser. No. 525,381. OAKES & COMPANY, Chicago, Ill. Filed July 1, 1947.



FOR SISAL BINDER TWINE, CLOTHES LINES, SASH CORD, AND MANILA AND SISAL ROPE. Claims use since May 22, 1947.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 514,551. MINTONS LIMITED, Stoke-on-Trent, England. Filed Dec. 19, 1946. Under 10-year proviso.

MINTON

FOR TOBACCO JARS, CIGARETTE BOXES, MATCH AND MATCH BOX HOLDERS, ASH TRAYS, ALL BEING GOODS MADE OF PORCELAIN OR EARTHENWARE.

Claims use since Dec. 1, 1894.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 499,875. THE UPKO COMPANY, Cleveland, Ohio. Filed Apr. 8, 1946.

ANTACIDOL

FOR LIQUID COATING RESISTANT TO ACID AND ALKALI AND ADAPTED TO BE SPREAD OR SPRAYED FOR PROTECTING CEMENT OR CONCRETE SURFACES.

Claims use since January 1945.

Ser. No. 509,029. PERINOL PRODUCTS CO., INC., New York, N. Y. Filed Sept. 13, 1946.



Applicant disclaims the word "Seal" apart from the mark.

FOR MINERAL ADHESIVE WATERPROOFING SURFACING MATERIAL, SOLD IN POWDERED FORM. Claims use since Feb. 19, 1946.

Ser. No. 512,476. THE AKRON PRODUCTS COMPANY, Akron, Ohio. Filed Nov. 13, 1946.

FLOORJACK



The word "Floorjack" is disclaimed apart from the mark.

FOR ADJUSTABLE SUPPORTS FOR RAISING OR SUPPORTING SAGGING FLOORS.

Claims use since Dec. 5, 1945.

Ser. No. 516,485. INERTOL CO., INC., Newark, N. J. Filed Jan. 28, 1947.

INERTOL

FOR WATERPROOFING AND PROTECTIVE COATINGS FOR CONCRETE AND STEEL, NOT IN THE NATURE OF A PAINT, AND MAY BE GENERALLY APPLIED BY OTHER MEANS THAN BY BRUSH OR SPRAY GUN, SUCH AS A TROWEL; THE MATERIAL OF SUCH COATINGS BEING MADE FROM ASPHALT, ASBESTOS, SOLVENT, RUBBER, PITCH AND SAND.

Claims use since July 7, 1928.

Ser. No. 518,815. THE CAMBRIDGE TILE MFG. CO., Cincinnati, Ohio. Filed Mar. 11, 1947.

Camastie

FOR PASTY CEMENT USED FOR SETTING TILE AND BONDING IT TO OTHER SURFACES. Claims use since June 1942.

Ser. No. 523,850. MEDLOCK & BURTON ROOFING CO., Bedford, Ind. Filed June 9, 1947.



FOR INSULATION COMPOSITION ROOFING SHINGLES.

Claims use since Mar. 19, 1947.

Ser. No. 525,383. OAKES & COMPANY, Chicago, Ill. Filed July 1, 1947.



FOR ROOFING INSULATION, COMPOSITION ROOFING, BUILDING PAPER, ROOFING PAPER, PUTTYING AND CAULKING COMPOUNDS, SHINGLES, ASPHALT FELT PAPER, AND WATERPROOF PAPER FOR BUILDING PURPOSES.

Claims use since May 22, 1947.

Ser. No. 525,547. CONSTRUCTION MATERIALS CO., Tucson, Ariz. Filed July 2, 1947.

Mexadobe

FOR ADOBE BRICKS. Claims use since Mar. 1, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 504,898. HARR VALVE CO., Newark, N. J. Filed July 1, 1946.



No claim is made to the word "flo" apart from the mark. FOR BEVERAGE DISPENSING APPARATUS CONSISTING OF A FAUCET DESIGNED TO REGULATE THE FLOW AND MIXING OF TWO LIQUIDS, COMING TO THE FAUCET FROM SEPARATE CONTAINERS, IN SUCH WAY THAT THE FLOW OF ONE LIQUID IS REGULATED IN SOME GIVEN PROPORTION TO THE FLOW OF THE OTHER LIQUID, AND FOR BEVERAGE DISPENSING APPARATUS CONSISTING OF BEER OR LIKE DISPENSING FAUCETS. Claims use since November 1936.

Ser. No. 520,867. FLAT-TOP COOKING UTENSILS, INC., Norwalk, Conn. Filed Apr. 17, 1947.

FLAT-TOP

FOR METAL COOKING UTENSILS CONSISTING OF POTS, COMBINED POT TOPS AND SKILLETS, AND RINGS USED WITH A COMBINED POT TOP AND SKILLET TO FORM A HEATING CHAMBER. Claims use since Nov. 17, 1945.

Ser. No. 522,427. CRANE CO., Chicago, Ill. Filed May 15, 1947.

MAGICLOSE

FOR PLUMBING FAUCETS FOR SINKS, LAVATORIES, AND THE LIKE. Claims use since June 1, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 501,002. ALFRED OLSEN & CO A/S., Copenhagen, Denmark. Filed Apr. 26, 1946.

VERITAS

Applicant is the owner of Reg. No. 199,673. FOR OILS AND GREASES OF MINERAL, VEGETABLE, AND ANIMAL ORIGIN AS WELL AS BLENDS OF SUCH PRODUCTS TO BE USED FOR LUBRICATING PURPOSES.

Claims use since Oct. 19, 1909.

Ser. No. 521,233. AMERICAN CANDLE CO., INC., Maspeth, Long Island, N. Y. Filed Apr. 24, 1947.

Magnalite

FOR WAX CANDLES.
Claims use since 1946.

Ser. No. 525,132. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 28, 1947.

CONIFER

FOR CANDLES.
Claims use since June 23, 1938.

Ser. No. 525,139. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 28, 1947.

MOTO-LUTION

FOR FLUSHING OIL FOR INTERNAL COMBUSTION ENGINES.
Claims use since Aug. 28, 1940.

Ser. No. 525,148. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 28, 1947.

STANOLEX

Applicant is the owner of Reg. Nos. 91,522 and 166,494. FOR FUEL OILS FOR HEATING, ILLUMINATING, AND POWER.
Claims use since May 1, 1932.

Ser. No. 525,154. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 28, 1947.

SUPERLA

Applicant is the owner of trade-mark registrations Nos. 224,073, 224,099, and 233,412. FOR LUBRICATING OILS AND LUBRICATING GREASES, COOLING OILS, AND CANDLES.
Claims use since July 8, 1914, on lubricating oils; since Mar. 11, 1919, on lubricating greases; since Nov. 22, 1918, on cooling oils; and since Feb. 20, 1924, on candles.

Ser. No. 525,155. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 28, 1947.

WAYSIDE

FOR CANDLES.
Claims use since Nov. 27, 1933.

Ser. No. 525,767. BAYOU STATE OIL CORPORATION, Shreveport, La. Filed July 3, 1947.

Bi-O-HD

Exclusive use of the letters "H D" is not claimed apart from the rest of the mark.
FOR LUBRICATING OIL FOR DIESEL ENGINES.
Claims use since May 3, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 507,743. MARK D. MILTENBERGER, doing business as Himark 100 Products, Muncie, Ind. Filed Aug. 21, 1946.

TETRA-SHEEN

No claim is made to the word "Sheen" apart from the mark.
FOR LIQUID FURNITURE POLISH.
Claims use since May 23, 1946.

Ser. No. 511,457. DUET PRODUCTS COMPANY, Portland, Oreg. Filed Oct. 25, 1946.

Duet

FOR WAX POLISH FOR AUTOMOBILES.
Claims use since July 1, 1946.

Ser. No. 512,102. ALTON LABORATORIES, INC., Chicago, Ill. Filed Nov. 6, 1946.

san-finish

Applicant disclaims the use of the word "Finish" apart from the mark.

FOR READY MIXED PAINT HAVING AN OIL, WATER, OR TURPENTINE BASE AND ADAPTABLE FOR FINISHING AND/OR RENOVATING INTERIOR AND EXTERIOR WALLS AND/OR OTHER SURFACES.
Claims use since July 1, 1946.

Ser. No. 512,318. BOTANY WORSTED MILLS, Passaic, N. J., now by change of name Botany Mills, Inc., a corporation of New Jersey. Filed Nov. 9, 1946.

BOTANY

FOR PORCH, DECK, AND FLOOR PAINT.
Claims use since Oct. 25, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 511,026. MARTINS LIMITED, London, England. Filed Oct. 17, 1946.



The words "Martins Ltd." are disclaimed apart from the mark. The portrait is that of the famed British writer, Thomas Carlyle, born 1795, died 1881.
FOR CIGARETTES, SMOKING TOBACCO, AND CIGARS.
Claims use since 1910.

Ser. No. 521,137. LANE, LIMITED, New York, N. Y. Filed Apr. 22, 1947.

FRIGID

FOR CIGARETTES AND SMOKING TOBACCO.
Claims use since Mar. 1, 1947.

Ser. No. 525,357. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947.

POSTMASTER

The drawing is lined for the colors gold and red. The mark consists of the word "Postmaster."
FOR CIGARS.
Claims use since January 1888.

Ser. No. 525,618. P. LORILLARD COMPANY, New York, N. Y. Filed July 2, 1947.

Century

The drawing is lined for the color brown. The mark consists of the word "Century."
FOR CHEWING TOBACCO.
Claims use since January 1886.

Ser. No. 525,625. P. LORILLARD COMPANY, New York, N. Y. Filed July 2, 1947.

LA FRAOSA

The drawing is lined for the color gold. The mark consists of the words "La Fraosa."
FOR CIGARS.
Claims use since July 1904.

Ser. No. 525,628. P. LORILLARD COMPANY, New York, N. Y. Filed July 2, 1947.

NEW CURRENCY

The drawing is lined for the colors gold and red. The mark consists of the words "New Currency."
FOR CIGARS.
Claims use since 1911.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 521,568. DELAWARE FLOOR PRODUCTS, INC., Wilmington, Del. Filed Apr. 30, 1947.

Flor-Ever

No claim is made for the word "Flor" apart from the mark.
FOR COMPOSITION FLOOR COVERINGS—NAMESLY, RUGS AND YARD GOODS BY THE ROLL.
Claims use since Apr. 15, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 515,858. BRANSTEAD STILL AND STERILIZER CO., Boston, Mass. Filed Jan. 17, 1947.

SPANISH PRISON

The word "Spanish" is disclaimed except in association with the other features of the mark as shown. FOR LIQUID STILL, STERILIZERS, AND PARTS THEREOF.

Claims use since Dec. 23, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 485,306. REPUBLIC AVIATION CORPORATION, Farmingdale, Long Island, N. Y., assignor to D. K. Tasker, West Rindge, N. H. Filed June 30, 1945.

Loftec

FOR LIGHT-SENSITIVE SHEET MATERIAL, MASKED LUMINOUS SHEETS AND COATED PLASTIC SHEETS USED TO RECEIVE LINE TRACINGS, ALL USED COLLECTIVELY IN THE PHOTOGRAPHIC REPRODUCTION OF PATTERN TEMPLATES.

Claims use since on or about the 6th day of June 1945.

Ser. No. 504,987. DEDAL PRODUCTS, INC., Middle Village, Long Island, N. Y. Filed July 2, 1946.



Applicant disclaims the words "Products, Inc." apart from the mark as shown.

FOR PHOTOGRAPHIC EQUIPMENT AND SUPPLIES—NAMESLY, TRIPODS AND FILM HOLDER BINS (RECEPTACLES USED BY PHOTOGRAPHERS IN STUDIOS OR LABORATORIES FOR STACKING FILM HOLDERS IN VERTICAL ROWS TO FACILITATE LOADING AND UNLOADING THE SAME).

Claims use since May 27, 1946, for tripods; and since Apr. 23, 1946, for film holder bins.

Ser. No. 511,944. EDWARD J. HERBERT, doing business as Edroy Products Company, New York, N. Y. Filed Nov. 2, 1946.

LONGVIEW

FOR MAGNIFYING GLASSES.
Claims use since Aug. 8, 1946.

Ser. No. 513,847. SANBORN COMPANY, Cambridge, Mass. Filed Dec. 6, 1946.

PERMAPAPER

FOR HEAT-SENSITIVE RECORDING PAPER.
Claims use since Nov. 9, 1946.

Ser. No. 520,312. WATERMAN PRODUCTS COMPANY, INCORPORATED, Philadelphia, Pa. Filed Apr. 7, 1947.



No claim is made to the words "Waterman Products" apart from the mark.

FOR OSCILLOSCOPES (ELECTRONIC TESTING AND CONTROL APPARATUS FOR THE MEASUREMENT OF ELECTRIC AND ELECTRONIC CIRCUIT BALANCE, PHASE, RESONANCE, AND REACTION); INTERMITTENT TESTERS FOR TESTING STABILITY AND CONTINUOUS ACTION OF ELECTRONIC DEVICES AND RADIO RECEIVERS; 16 MM. SOUND MOTION PICTURE PROJECTORS.

Claims use since May 8, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 517,413. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Feb. 13, 1947. Under 10-year proviso.

PRECISION ARC

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.

Claims use since 1893 as to "Precision"; and since Feb. 6, 1947, as to the mark shown.

Ser. No. 525,318. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed July 1, 1947.

SECKRON

FOR WATCHES, WATCH MOVEMENTS, AND PARTS THEREOF.

Claims use since October 1935.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 511,892. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed Nov. 1, 1946.

MAXINE

FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS, ALL MADE OF OR CONTAINING AS AN ESSENTIAL ELEMENT, PEARLS, OR SIMULATED PEARLS.

Claims use since 1938.

Ser. No. 524,122. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed June 13, 1947.

CRYSTAL

FOR FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLE WARE MADE OF SILVER.

Claims use since September 1939.

Ser. No. 524,388. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed June 18, 1947.

CRUSADER

FOR FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLE WARE MADE OF SILVER.

Claims use since September 1939.

Ser. No. 524,390. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed June 18, 1947.

YANKEE CLIPPER

FOR FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLE WARE MADE OF SILVER.

Claims use since Sept. 7, 1939.

Ser. No. 524,531. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed June 20, 1947.

JOSEPHINE

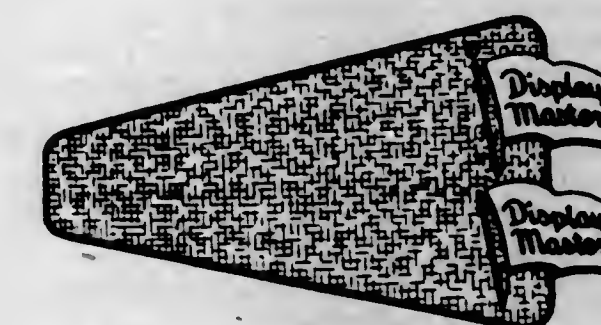
FOR FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLE WARE MADE OF SILVER.

Claims use since Sept. 7, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 501,537. A. E. RUESCHMAN, doing business as Rueschman's Store Fixture & Display Co., Akron, Ohio. Filed May 6, 1946.



The word "Display" is disclaimed apart from the mark. The drawing is lined for gold.

FOR STORE FIXTURES FOR SUPPORTING AND DISPLAYING GOODS—NAMESLY, SHOWCASES, DISPLAY COUNTERS, DISPLAY TABLES, DISPLAY RACKS, DISPLAY BASES, DISPLAY RAILS, DISPLAY CABINETS, DISPLAY MIRRORS, DISPLAY STANDARDS, DISPLAY PEDESTALS, DISPLAY BOOTHS, DISPLAY COSTUMER RACKS, DISPLAY WINDOW RACKS, AND DISPLAY BINS.

Claims use since Jan. 10, 1946.

Ser. No. 517,188. ERO MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 8, 1947.

CROWN

FOR METAL FURNITURE—NAMESLY, BRIDGE SETS COMPOSED OF CHAIRS AND TABLES, ESPECIALLY FOLDING METAL BRIDGE CHAIRS AND FOLDING METAL BRIDGE TABLES; FOLDING TRAY STANDS; FOLDING LUGGAGE RACKS; AND JUVENILE FOLDING TABLE AND CHAIR SETS.

Claims use since in or about the month of June 1938.

Ser. No. 524,246. THE KENMAR MANUFACTURING COMPANY, East Palestine, Ohio. Filed June 18, 1947.

"RESTMASTER"

FOR RECLINING CHAIRS.
Claims use since Mar. 1, 1947.

Ser. No. 524,620. PLYMOUTH WOOD PRODUCTS, INC., New York, N. Y. Filed June 21, 1947.



The representation of the Pilgrim is fanciful.
FOR DINING ROOM TABLES AND CHAIRS, LIVING ROOM TABLES AND CHAIRS, KITCHEN TABLES AND CHAIRS, BEDROOM TABLES AND CHAIRS, BEDS, RADIO CABINETS, BOOKCASES, STORAGE CABINETS, KITCHEN CABINETS, DRESSERS, AND VANITIES.

Claims use since Apr. 14, 1947.

Ser. No. 525,952. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed July 3, 1947.



FOR PHONOGRAPH RECORD STORAGE RACKS, RUBBER FEET FOR RADIO, TELEVISION AND PHONOGRAPH CABINETS, MERCHANDISE DISPLAY SHELVES, RACKS, COUNTERS, CABINETS, SHOWCASES, STANDS, AND PARTS THEREOF.

Claims use on phonograph record storage racks since June 15, 1944; on rubber feet for radio, television and phonograph cabinets since 1939; and on merchandise display shelves, etc., since Sept. 12, 1946.

CLASS 33

GLASSWARE

Ser. No. 509,226. LEART, Inc., New York, N. Y. Filed Sept. 17, 1946.

LEART

FOR COVERED AND UNCOVERED CANDY DISHES, PLATES, TRAYS, DISHES, LIQUOR DECANTERS, POWDER JARS, CREAM JARS, AND PERFUME BOTTLES MADE FROM GLASS.

Claims use since July 1, 1942.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 515,028. THE GATES RUBBER COMPANY, Denver, Colo. Filed Dec. 30, 1946.

CODE T-52

FOR CAMELBACK.

Claims use since Nov. 15, 1946.

Ser. No. 523,153. ANTAJEAN INDUSTRIES, LIMITED, San Francisco, Calif. Filed May 27, 1947.

CAM-SEAL



The word "Seal" is disclaimed apart from the mark.
FOR PISTON RINGS.

Claims use since Aug. 23, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 520,383. NICOLA DONOFF, New York, N. Y. Filed Apr. 9, 1947.

KALIPHON

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.

Claims use since Mar. 1, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 507,261. THE LA BOITEAUX COMPANY, Cincinnati, Ohio. Filed Aug. 12, 1946.



No claim is made to the word "Service" and the representation of the map.

FOR COARSE PAPER USED FOR WRAPPING, PACKING, AND THE LIKE AND PAPERBOARD.

Claims use since July 24, 1946.

Ser. No. 520,681. JAMES JEWETT BRADFORD, Burbank, Calif. Filed Apr. 15, 1947.

MINIMOUNT

FOR PAPER FILM MOUNTS FOR USE WITH PICTURE PROJECTION MACHINES SOLD AS SUCH.

Claims use since Mar. 1, 1945.

Ser. No. 523,136. CONTACT PRODUCTS, INC., Los Angeles, Calif. Filed May 27, 1947.

Contact

FOR BLANK PRESSURE-SENSITIVE LABELS.

Claims use since Mar. 29, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 486,135. BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, San Francisco, Calif. Filed July 23, 1945.



The word "Bankredit" is disclaimed apart from the mark as shown.

FOR NEWSPAPERS PUBLISHED FROM TIME TO TIME.

Claims use since July 6, 1945.

Ser. No. 489,006. PAR PUBLISHING COMPANY, New York, N. Y. Filed Sept. 26, 1945.

PICTURE-WISE

No claim is made to the word "Picture" apart from the mark as shown.

FOR BI-MONTHLY MAGAZINE COMPRISING PICTURES, ILLUSTRATIONS, CARTOONS, AND SOME READING MATTER.

Claims use since Mar. 1, 1945.

Ser. No. 517,833. CLEVELAND INSTITUTE OF RADIO ELECTRONICS, Cleveland, Ohio. Filed Feb. 20, 1947.



FOR TECHNICAL, SERVICE AND CORRESPONDENCE SCHOOL PUBLICATIONS ON RADIO AND RADIO ELECTRONICS.

Claims use since Mar. 1, 1946.

CLASS 39

CLOTHING

Ser. No. 501,241. DIXON-BARTLETT COMPANY, Baltimore, Md. Filed May 1, 1946.

PATHFINDERS

FOR MISSES' AND WOMEN'S SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF. Claims use since Apr. 17, 1946.

Ser. No. 501,487. A. WERMAN & SONS, INC., Brooklyn, N. Y. Filed May 4, 1946.



Applicant disclaims the words "Easy" and "For Infants" and the outline of the label. The drawing is lined for the color brown.

FOR INFANTS' LEATHER SHOES. Claims use since Feb. 11, 1946.

Ser. No. 501,638. JOSEPH H. COHEN & SONS, INC., New York, N. Y. Filed May 8, 1946.

Vanity Wizard Weave

FOR MEN'S CLOTHING—NAMELY, SUITS, TROUSERS, COATS, AND TOPCOATS. Claims use since Apr. 23, 1946.

Ser. No. 501,873. WILLIAM PERRY SELLERS AND JAMES K. PATTERSON, Shelby, N. C. Filed May 10, 1946.

SELL-PATT

No claim is made to the word "Patt," apart from the mark as shown.

FOR SANDALS MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. Claims use since Mar. 27, 1946.

Ser. No. 509,292. GUY MARTINELLI, Indianapolis, Ind. Filed Sept. 18, 1946.

RAINCHECK

FOR RUBBER SPLASH GUARDS FOR ATTACHMENT TO SHOE HEELS. Claims use since Sept. 14, 1946.

Ser. No. 509,709. KAMEHAMEHA GARMENT CO. LTD., Honolulu, Territory of Hawaii. Filed Sept. 25, 1946.

KAMEHAMEHA

FOR LADIES', MEN'S, AND CHILDREN'S CLOTHING—NAMELY, SPORTS SUITS, SLACK SUITS, DRESSES, HOUSECOATS, SHIRTS, SWIM SUITS, PLAY SUITS, SKIRTS, AND SLACKS. Claims use since Feb. 28, 1936.

Ser. No. 511,482. J. B. LEWIS & SONS LIMITED, Nottingham, England. Filed Oct. 25, 1946.

NYLASPLY

FOR SOCKS, STOCKINGS, UNDERPANTS, DRAWERS, KNICKERS, UNDERSHIRTS HAVING THE CHIEF WEARING AREAS SUBSTANTIALLY REINFORCED WITH NYLON YARN. Claims use since September 1942.

Ser. No. 513,999. ARROW BRASSIERE COMPANY, Brooklyn, N. Y. Filed Dec. 11, 1946.

COPA BRA

Applicant disclaims the term "Bra" apart from the mark shown. FOR BRASSIÈRES. Claims use since Jan. 2, 1946.

Ser. No. 518,247. WALTON N. MOORE DRY GOODS COMPANY, INC., San Francisco, Calif. Filed Feb. 27, 1947.

Coronado

FOR LADIES' AND CHILDREN'S HOSIERY AND ANKLETS. Claims use since Jan. 1, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 504,790. RELIABLE TEXTILE COMPANY, Chicago, Ill., assignor to The Reliable Textile Company, Chicago, Ill., a corporation of Illinois. Filed June 28, 1946.

Bosom Pals

FOR BUST FORMS. Claims use since June 8, 1946.

Ser. No. 516,539. JOHN M. CROWNOVER, Tulsa, Okla. Filed Jan. 29, 1947.

Colornapin

FOR NON-PRECIOUS COLLAR BUTTONS ADAPTED FOR SECURING SHIRT COLLARS. Claims use since Nov. 1, 1946.

Ser. No. 517,184. CORSET ACCESSORIES CO., INC., New York, N. Y. Filed Feb. 8, 1947.



FOR BUST PADS, CORSET HOOKS AND BUCKLES, LACINGS, RIBBONS SOLD IN CUT LENGTHS, BRAID ELASTIC, TAPES, HOOKS AND EYES, NARROW WEBBINGS OF FABRIC MATERIAL, SHOULDER STRAPS, CORSET BONES, CORSET STEELS, AND NARROW LACE TRIMMINGS. Claims use since Jan. 15, 1938.

Ser. No. 517,841. RICHARD A. FISCH, doing business as "Anchor Plastics Company, Inc.," New York, N. Y. Filed Feb. 20, 1947.

Aeroflex

FOR NARROW BELTING, PLASTIC STRIPPING OR TAPE AND WEBBING FOR FURNITURE UPHOLSTERY. Claims use since Nov. 23, 1945.

Ser. No. 518,368. SHIRT CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 1, 1947.

TALENT

FOR SHIRTS, PAJAMAS, AND UNDERWEAR FOR MEN'S AND BOYS' WEAR. Claims use since Nov. 15, 1946.

Ser. No. 521,736. THE JUVENILE SHOE CORPORATION OF AMERICA, Aurora and St. Louis, Mo. Filed May 2, 1947.

CLINIC

FOR HOSIERY. Claims use since Dec. 11, 1946.

Ser. No. 522,957. NATHAN HALPERN HAT COMPANY, Nashville, Tenn. Filed May 24, 1947.

NATLEY

FOR MEN'S HATS AND CAPS. Claims use since Jan. 1, 1935.

Ser. No. 525,684. CHESTER H. ROTH CO., INC., New York, N. Y. Filed July 2, 1947.



FOR HOSIERY. Claims use since May 14, 1947.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 518,210. MILTON EDELSTEIN, doing business as The American Umbrella Co., New York, N. Y. Filed Feb. 27, 1947.

UMBRELLAMATIC

FOR UMBRELLAS.
Claims use since Oct. 30, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 499,132. GROUT & COMPANY, LIMITED, Great Yarmouth, England. Filed Mar. 28, 1946.

VIC

FOR PERSONAL TOILET ARTICLES—NAMESLY, WASHCLOTHS, TOWELS, AND MASSAGING FACE CLOTHS.

Claims use since Nov. 1, 1923.

Ser. No. 514,689. CHURCH ARTS COMPANY, INC., New York, N. Y. Filed Dec. 23, 1946.



FOR VESTMENT FABRICS AND DRAPERY FABRICS IN THE PIECE OF GOLD BROCADES, SILK BROCADES, GIVRE FAÏLLE, BENGALINE BROCADES AND LACE PIECE GOODS.

Claims use since July 5, 1946.

Ser. No. 521,631. THE CALICO PRINTERS' ASSOCIATION LIMITED, Manchester, England. Filed May 1, 1947.

CALPRETA

No claim is made to the notation "CPA" except as shown.

FOR PIECE GOODS OF COTTON, SILK, RAYON, NYLON, LINEN, HEMP, WOOL, WORSTED OR HAIR, OR MIXTURES OF THESE MATERIALS.

Claims use since Nov. 7, 1944.

Ser. No. 525,848. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed July 3, 1947.

WONDA
NYLON.

The word "Nylon" is disclaimed apart from the mark as shown.

FOR WINDOW CURTAINS MADE OF NYLON FABRIC.

Claims use since Nov. 1, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 510,452. "STRIGA" AKTIENGESELLSCHAFT FÜR MODERNE STRICKGARNE, Basel, Switzerland. Filed Oct. 8, 1946.



FOR YARNS.

Claims use since Feb. 26, 1934.

Ser. No. 510,454. "STRIGA" AKTIENGESELLSCHAFT FÜR MODERNE STRICKGARNE, Basel, Switzerland. Filed Oct. 8, 1946.

swissangor

FOR YARN MADE OF ANGORA WOOL.
Claims use since Oct. 29, 1934.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 485,082. DAVID GREBERMAN, doing business as Physicians Equipment Company, Philadelphia, Pa. Filed June 27, 1945.



FOR APPARATUS FOR MAKING FLUOROSCOPIC AND RADIOGRAPHIC EXAMINATIONS OF THE HUMAN BODY, AND ACCESSORIES THEREFOR—NAMESLY, PLATEHOLDERS, LEAD LINED CABINETS AND STANDS, X-RAY TUBES AND HOUSINGS; LIGHT THERAPY APPARATUS—NAMESLY, INFRA RED HEAT LAMPS, ULTRA-VIOLET SUN AND GERMICIDAL LAMPS; HOSPITAL, SURGICAL AND DENTAL SUPPLIES—NAMESLY, SYRINGES, HYPODERMIC NEEDLES, STERILIZERS, WATER BATHS, CLINICAL THERMOMETERS, CATHETER RUBBER AND GLASS TUBES, PINCHCOCKS, CENTRIFUGES, ANAESTHETIC REGULATORS, VAPORIZERS, INHALERS, CAUTERY APPARATUS AND ELECTRODES THEREFOR, MASSAGE MACHINES, VIBRATORS, CARDIOGRAPH AND HIGH FREQUENCY DIATHERMY MACHINES.

Claims use since 1935.

Ser. No. 495,866. CONSOLIDATED ENGINEERING CORPORATION, Pasadena, Calif. Filed Feb. 2, 1946.

UNITEK

FOR ORTHODONTIC APPLIANCES—NAMESLY, PLIERS, BRACES, LUGS, WIRES, CHIN CAPS, PINS AND BRACKETS.

Claims use since Nov. 21, 1945.

Ser. No. 505,029. ALLEN-HOWE ELECTRONICS CORP., Peabody, Mass. Filed July 3, 1946.

VACTUPHONE

FOR HEARING AIDS.
Claims use since Apr. 12, 1921.

607 O. G.—26

Ser. No. 517,366. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Feb. 12, 1947.

CELLU-ROLL

The word "Roll" is disclaimed apart from the mark. FOR ABSORBENT CELLULOSE WADDING.
Claims use since July 2, 1946.

Ser. No. 521,968. JOHNSON & JOHNSON, New Brunswick, N. J. Filed May 6, 1947.

ZONAS

FOR PLASTER OF PARIS BANDAGES USED PARTICULARLY BY THE MEDICAL PROFESSION IN SURGICAL AND ORTHOPEDIC WORK FOR IMMOBILIZING ANY DESIRED PART OF THE BODY.

Claims use since Mar. 7, 1947.

Ser. No. 525,837. PAUL S. HANWAY, New York, N. Y. Filed July 3, 1947.

BI-CO-RAY

FOR THERAPY APPARATUS—NAMESLY, ELECTRO THERAPEUTIC DEVICES, WITH TUBES THEREFOR, FOR THE TREATMENT OF VARIOUS AILMENTS AND DISEASES OF MEN AND BEASTS BY MEANS OF ELECTRIC COLD RAY PRODUCED BY SAID DEVICE.

Claims use since June 30, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 519,311. WILLIAM M. BATEMAN, doing business as Jungle Juice Products Company, Cleburne, Tex. Filed Mar. 20, 1947.



The drawing is lined for the color green. The word "Juice" is disclaimed apart from the mark. FOR MALTLESS SOFT DRINKS.
Claims use since Oct. 1, 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 506,560. ALLIED FOOD CORPORATION OF AMERICA, New York, N. Y. Filed July 31, 1946.



Representation of the jelly is disclaimed apart from the mark.

FOR GUAVA JELLY.
Claims use since Jan. 1, 1946.

Ser. No. 507,676. FLORADIE PRODUCTS, INC., West Palm Beach, Fla. Filed Aug. 20, 1946.



The word "Ramie" and the representation of the ramie plant are disclaimed. The shading is indicative of the color green.

FOR RAMIE MEAL USED IN STOCK AND POULTRY FEED MIXTURES.
Claims use since June 23, 1946.

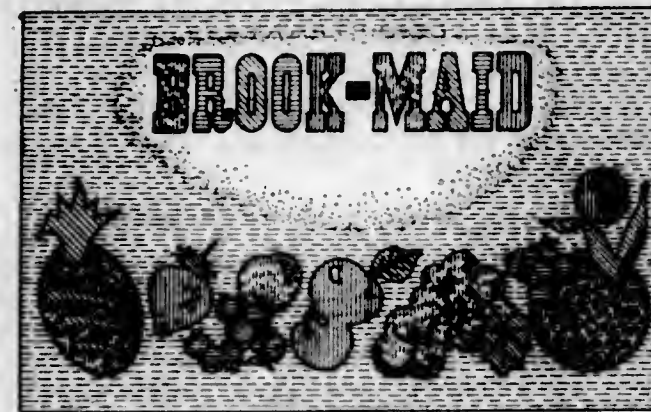
Ser. No. 508,773. ALEXANDER THE GREAT PRODUCTS, New York, N. Y. Filed Sept. 10, 1946.



FOR CANNED SPAGHETTI, CANNED SPAGHETTI SAUCE, CANNED RAVIOLI, AND CANNED POWDERED MILK.

Claims use since March 1944.

Ser. No. 511,793. BROOK-MAID FOOD CO., INC., Brooklyn, N. Y. Filed Oct. 31, 1946.



No claim is made to the representation of the label and the representation of the fruit. The drawing is lined to represent purple, blue, green, yellow, grey, and red colors. FOR CANNED AND BOTTLED FOODS—NAMESLY, FRUITS, APPLE BUTTER, JELLIES, JAMS, FRUIT PRESERVES AND MARMALADES.

Claims use since Aug. 29, 1946.

Ser. No. 513,343. SOUTHERN CANNING COMPANY, LTD., Houston and Highlands, Tex. Filed Nov. 27, 1946.



FOR CANNED VEGETABLES, FRUIT PRESERVES, PIMENTOS IN VINEGAR AND BRINE, SOUR PEELED ONIONS, AND HOT SAUCE COMPOSED OF PEPPERS, VINEGAR AND SALT FOR FOOD SEASONING PURPOSES.

Claims use since June 1942.

Ser. No. 514,884. THE BISSINGER CANDY COMPANY, Cincinnati, Ohio. Filed Dec. 27, 1946. Under 10-year proviso.



FOR CANDY.
Claims use since 1863.

Ser. No. 514,885. THE BISSINGER CANDY COMPANY, Cincinnati, Ohio. Filed Dec. 27, 1946.



FOR CANDY.
Claims use since Feb. 6, 1920.

Ser. No. 516,324. STARLAND COMPANY, INC., New York, N. Y. Filed Jan. 24, 1947.



FOR POTATO CHIPS, BUTTERED POP CORN, AND POTATO STICKS.

Claims use since Dec. 15, 1946.

Ser. No. 524,298. THE CHOCOLATE MAN INC., New York, N. Y. Filed June 17, 1947.



The drawing is lined for shading purposes only. The words "Made By" and "Chocolate" are disclaimed apart from the mark.

FOR CANDIES.
Claims use since Apr. 24, 1947.

Ser. No. 525,094. NATHAN COHEN, doing business as Candyland, Sioux City, Iowa. Filed June 28, 1947.



The drawing is lined for red, yellow, and blue. The picture is fanciful and the words "Sioux City" are disclaimed apart from the mark.

FOR CANDIES.
Claims use since June 1, 1946.

Ser. No. 525,759. MAX AMS, INC., New York, N. Y. Filed July 3, 1947.



Applicant is the owner of trade-mark registrations Nos. 343,147 and 392,090.

FOR CANDY BARS.
Claims use since May 20, 1947.

Ser. No. 525,934. NEW ORLEANS IMPORT CO., LIMITED, New Orleans, La. Filed July 3, 1947. Under 10-year proviso.



Applicant is the owner of Reg. No. 105,801. The lining on the drawing is for shading only.

FOR TEA.
Claims use since 1889.

CLASS 47
WINES

Ser. No. 507,028. SOCIEDADE COMERCIAL DOS VINHOS DE MESA DE PORTUGAL, LIMITADA, Oporto, Portugal. Filed Aug. 7, 1946.



No claim is made to the exclusive use of the terms "Portugal" and "Vinhos Branco De Mesa" and also the name of the applicant.

FOR WINES.
Claims use since July 20, 1943.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 517,519. RESEARCH CHEMICAL COMPANY, Seattle, Wash. Filed Feb. 14, 1947.

SURDMA
Mix Master

The word "Mix" is disclaimed apart from the mark. The mark consists of the words "Surdna Mix Master." FOR LEMON CONCENTRATE FOR BAR MIXES. Claims use since July 1, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 484,411. EARNEST J. KRAUSE, doing business as Radiobar Company of America, San Gabriel, Calif. Filed June 11, 1945.

Multi-Kwik

FOR SKIRT AND PANTS HANGERS.
Claims use since September 1944.

Ser. No. 495,943. AMERICAN TOY & FURNITURE COMPANY, Chicago, Ill. Filed Feb. 4, 1946.

WONDER PEN

Applicant disclaims the word "Pen" apart from the mark.

FOR ELECTRIC PYROGRAPHIC SETS CONSISTING OF PEN, COLORS, PAINTS, PAINT BRUSH, MIXING PAN, SAND PAPER, PLAQUES WITH PRINTED DESIGNS.

Claims use since 1938.

Ser. No. 511,899. RUSSWOOD COMPANY, Torrance, Calif. Filed Nov. 1, 1946.

Russwood

FOR ART WORKS—NAMELY, STATUETTES FABRICATED OF BRONZE OR BRASS.
Claims use since June 12, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 526,544. ASSOCIATED SEED GROWERS, INCORPORATED, New Haven, Conn. Filed July 5, 1947.



FOR GRASS SEED.
Claims use since October 1939.

Cottage

FOR GRASS SEED.
Claims use since Oct. 1, 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 529,912. ALAN MILLER, Inc., New York, N. Y. Filed July 29, 1947.



The mark comprises a swatch of material with the words "By Alan" imprinted thereon.
FOR LADIES' HANDBAGS, WALLET, AND PURSES.
Claims use since Feb. 21, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 527,686. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

LUNA

Applicant claims ownership of registrations Nos. 316,634 and 135,047.
FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Aug. 29, 1911.

Ser. No. 531,234. O-CEDAR CORP'N, Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

O-Cedar

FOR WINDOW CLEANER AND RUG CLEANER.
Claims use since Sept. 2, 1938.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 510,535. PICOT LABORATORIES, Inc., Mount Vernon, N. Y. Filed Oct. 9, 1946.

PICOT

Applicant claims ownership of registrations Nos. 237,933, 346,816, 354,543, 363,698, and 365,062.
FOR BICARBONATE OF SODA, LAXATIVES, DIURETICS, MAGNESIA, AND VITAMIN PREPARATIONS.
Claims use since 1922.

Ser. No. 510,986. WALKER VITAMIN PRODUCTS, Inc., Mount Vernon, N. Y. Filed Oct. 16, 1945.

DENTACEVIN

FOR MEDICINAL TABLETS CONTAINING NIACINAMIDE AND ASCORBIC ACID.
Claims use since February 1946.

Ser. No. 526,875. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947.



Applicant claims ownership of registration No. 361,161.
FOR MOTH KILLERS AND ROACH KILLERS, BOTH IN POWDER FORM.
Claims use since April 1935.

Ser. No. 528,084. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed July 7, 1947.

CAMOQUIN

FOR ANTIMALARIAL PREPARATION.
Claims use since May 21, 1947.

Ser. No. 528,789. THE C. P. HALL COMPANY, Akron, Ohio. Filed July 17, 1947.

SYN-TAC

FOR PLASTICIZER, TACKIFIER, AND EXTENDER FOR RUBBER AND SYNTHETIC RUBBERS.
Claims use since Mar. 11, 1943.

Ser. No. 529,183. A. M. MEINCKE & SON, INC., Chicago, Ill.
Filed July 22, 1947. Under section 2f of the act of 1946.

TUFJEL

Applicant claims ownership of registration No. 343,622.
FOR POWDERED MATERIAL FOR USE IN THE SIZ-
ING OF PAPER, AND TEXTILES.
Claims use since Nov. 25, 1931.

Ser. No. 529,261. THE C. P. HALL COMPANY, Akron, Ohio.
Filed July 23, 1947.

PARA RESIN

The word "Resin" is disclaimed.
FOR PLASTICIZER AND EXTENDER FOR RUBBER
AND SYNTHETIC RUBBERS.
Claims use since Apr. 19, 1939.

Ser. No. 529,667. THE WM. S. MERRELL COMPANY, Cin-
cinnati, Ohio. Filed July 26, 1947.

MERCODOL

FOR ANTI-TUSSIVE SYRUP.
Claims use since July 15, 1947.

Ser. No. 529,668. THE WM. S. MERRELL COMPANY, Cin-
cinnati, Ohio. Filed July 26, 1947.

PROHEPIN-B

FOR PARENTERAL PRODUCT USED AS A HEMA-
TOPOIETIC AND ANTINEURITIC.
Claims use since February 1940.

Ser. No. 530,212. LUCIEN LELONG, INC., Chicago, Ill. Filed
Aug. 1, 1947.

ELLE ELLE

FOR PERFUMES.
Claims use since Oct. 1, 1937.

Ser. No. 530,398. GALBEE PRODUCTS CO., INC., New York,
N. Y. Filed Aug. 4, 1947.



FOR MOTH PREVENTATIVE AND INSECTICIDE.
Claims use since Feb. 15, 1935.

Ser. No. 530,431. REEFER-GALLER, INC., New York, N. Y.
Filed Aug. 4, 1947.

SNOWKOTE

FOR MOTH PREVENTATIVE AND INSECTICIDE.
Claims use since Feb. 15, 1935.

Ser. No. 530,432. REEFER-GALLER, INC., New York, N. Y.
Filed Aug. 4, 1947.

CEDARMATIC

FOR VAPORIZING MOTH REPELLENT.
Claims use since Feb. 15, 1935.

Ser. No. 530,435. JOHN B. RIDDICK, JR., doing business as
Cinderella Unusual Cosmetics, Memphis, Tenn. Filed
Aug. 4, 1947.

Cinderella

FOR HORMONE CREAMS, HORMONE LOTIONS,
CLEANSING CREAMS, SUN TAN OIL WITH INSECT
REPELLENT, LEG MAKE-UP WITH INSECT REPEL-
LENT, SKIN FRESHENER AND MILD ASTRINGENT.
Claims use since Apr. 9, 1945.

Ser. No. 530,559. PARKE, DAVIS & COMPANY, Detroit,
Mich. Filed Aug. 5, 1947.

SEVINON

FOR ANTISPASMODIC PREPARATION.
Claims use since July 24, 1947.

Ser. No. 530,585. STAUFFER CHEMICAL COMPANY, San
Francisco, Calif. Filed Aug. 5, 1947.

DAMPO

FOR INSECTICIDES.
Claims use since May 18, 1945.

Ser. No. 530,727. DUNLOP TIRE AND RUBBER CORPORATION,
Buffalo, N. Y. Filed Aug. 7, 1947.



FOR RUBBER SOLVENT.
Claims use since Aug. 5, 1946.

Ser. No. 531,532. STAUFFER CHEMICAL COMPANY, San
Francisco, Calif. Filed Aug. 15, 1947.

THIO DENOXO

FOR INSECTICIDES.
Claims use since Aug. 29, 1946.

Ser. No. 531,533. STAUFFER CHEMICAL COMPANY, San
Francisco, Calif. Filed Aug. 15, 1947.

DENOXO

FOR INSECTICIDES.
Claims use since Apr. 5, 1945.

Ser. No. 532,143. LEVER BROTHERS COMPANY, Cambridge,
Mass. Filed Aug. 22, 1947.

LIRIL

FOR MOUTH WASH.
Claims use since Feb. 26, 1947.

Ser. No. 532,360. STAUFFER CHEMICAL COMPANY, San
Francisco, Calif. Filed Aug. 25, 1947.



Applicant claims ownership of registration No. 120,735.
FOR SULPHUR.
Claims use since June 12, 1917.

Ser. No. 532,363. STAUFFER CHEMICAL COMPANY, San
Francisco, Calif. Filed Aug. 25, 1947.

DAMPOSUL

FOR INSECTICIDES.
Claims use since May 18, 1945.

Ser. No. 532,366. STAUFFER CHEMICAL COMPANY, San
Francisco, Calif. Filed Aug. 25, 1947.

GAMMASUL

FOR INSECTICIDES.
Claims use since Sept. 12, 1946.

Ser. No. 532,367. STAUFFER CHEMICAL COMPANY, San
Francisco, Calif. Filed Aug. 25, 1947.



Applicant claims ownership of registration No. 120,733.
FOR SULPHUR.
Claims use since June 12, 1917.

Ser. No. 532,370. STAUFFER CHEMICAL COMPANY, San
Francisco, Calif. Filed Aug. 25, 1947. Under section
2f of the act of 1946.

YELLOSTONE

Applicant claims ownership of registration No. 198,847.
FOR SULPHUR.
Claims use since May 14, 1924.

Ser. No. 532,372. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Aug. 25, 1947. Under section 2f of the act of 1946.

Golden Rock

Applicant claims ownership of registration No. 417,942. FOR SULPHUR.
Claims use since Jan. 2, 1925.

Ser. No. 532,373. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Aug. 25, 1947.



Applicant claims ownership of registration No. 180,642. FOR SULPHUR.
Claims use since Dec. 31, 1903.

Ser. No. 532,376. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Aug. 25, 1947.

CAL-META

FOR INSECTICIDES.
Claims use since Mar. 19, 1947.

Ser. No. 532,552. BROOKFIELD LABORATORIES, Brookfield, Ill. Filed Aug. 27, 1947.

Sulfodene

FOR MEDICINAL PREPARATION IN LIQUID FORM FOR EXTERNAL APPLICATION IN THE TREATMENT OF ECZEMA OF MYCOTIC ORIGIN IN DOMESTIC ANIMALS.
Claims use since April 1946.

Ser. No. 532,555. BROOKFIELD LABORATORIES, Brookfield, Ill. Filed Aug. 27, 1947.

2-MERKA-B

FOR MEDICINAL PREPARATION IN LIQUID FORM FOR EXTERNAL APPLICATION IN THE TREATMENT OF ECZEMA OF MYCOTIC ORIGIN IN DOMESTIC ANIMALS.

Claims use since July 1942.

Ser. No. 533,701. ERASTE CHAMPAGNE, Lafayette, La. Filed Sept. 8, 1947.

E. L. C.

Applicant claims ownership of registration No. 208,742. FOR OINTMENT FOR THE TREATMENT OF PILES.
Claims use since Sept. 7, 1925.

Ser. No. 533,883. GRAIN PROCESSING CORPORATION, Muscatine, Iowa. Filed Sept. 9, 1947.

WINTERAID

FOR ANTI-FREEZE COMPOSITION FOR MOTOR VEHICLES.

Claims use since July 1, 1947.

Ser. No. 534,541. WILLIAM J. McNULTY, doing business as Elbon Laboratories, Montclair, N. J. Filed Sept. 15, 1947.

IVOCAL

FOR PREPARATION FOR THE RELIEF OF POISON IVY.

Claims use since Feb. 23, 1941.

Ser. No. 535,080. AL ROSENFELD, INC., New York, N. Y. Filed Sept. 19, 1947.

Fountain Spray

FOR PERFUMES, TOILET WATERS, COLOGNES, TALCUM POWDER, DUSTING POWDER, ROUGE.
Claims use since Sept. 9, 1947.

Ser. No. 535,344. OD PEACOCK SULTAN COMPANY, St. Louis, Mo. Filed Sept. 23, 1947.

Sanmetto

Applicant claims ownership of registrations Nos. 21,339, 44,554, and 45,923.

FOR PREPARATION FOR TREATMENT OF DISEASES OF THE KIDNEYS, BLADDER, URETHRAL CANAL, PROSTATE GLAND, TESTES, MAMMAE, OVARIES, UTERUS, DISEASES OF THE GENITO-URINARY ORGANS, AND ALSO DISEASES OF THE LUNGS, MUCOUS MEMBRANE, AND SKIN, NERVES, AND BLOOD WHERE THE KIDNEYS, BLADDER, OR ANY OF THE GENITO-URINARY ORGANS ARE AT FAULT.

Claims use since July 15, 1891.

CLASS 7 CORDAGE

Ser. No. 527,866. TALON, INC., Meadville, Pa. Filed July 5, 1947.

HOOKLESS

Applicant claims ownership of registration No. 198,412. FOR CORD.
Claims use since June 24, 1947.

Ser. No. 527,936. TALON, INC., Meadville, Pa. Filed July 5, 1947.

TALON

Applicant claims ownership of registration No. 243,746. FOR CORD.
Claims use since June 24, 1947.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 527,536. OLIN INDUSTRIES, INC., East Alton, Ill. Filed July 5, 1947.

Lubaloy

Applicant claims ownership of registrations Nos. 153,053 and 153,054.

FOR NON-FOULING BULLETS.
Claims use since Jan. 1, 1921.

Ser. No. 527,664. OLIN INDUSTRIES, INC., East Alton, Ill. Filed July 5, 1947.

WESTERN

Applicant claims ownership of registrations Nos. 142,347, 210,699, 331,081, and 224,874.

FOR SHOT SHELLS AND RIFLE CARTRIDGES.
Claims use since Jan. 1, 1896.

Ser. No. 527,846. OLIN INDUSTRIES, INC., East Alton, Ill. Filed July 5, 1947.

Xpert

Applicant claims ownership of registration No. 199,903 (renewed).

FOR SHOT SHELLS, RIFLE AND PISTOL CARTRIDGES.
Claims use since Jan. 16, 1924.

Ser. No. 528,014. OLIN INDUSTRIES, INC., East Alton, Ill. Filed July 5, 1947.



Applicant claims ownership of registrations Nos. 159,784 and 405,121.

FOR SHOT SHELLS, RIFLE AND PISTOL CARTRIDGES.
Claims use since Nov. 1, 1921.

Ser. No. 528,019. OLIN INDUSTRIES, INC., East Alton, Ill.
Filed July 5, 1947.

Western

Applicant claims ownership of registrations Nos. 210,699, 224,874, 331,081, and 142,347.

FOR BLASTING CAPS, SHOT SHELLS, RIFLE CARTRIDGES, PISTOL CARTRIDGES, SHOT, POWDERS, AND PRIMERS.

Claims use since June 1906.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 527,086. SILVERCOTE PRODUCTS, INC., Chicago, Ill. Filed July 5, 1947.

FLEXRAY

FOR HEAT REFLECTIVE PAPER BASE INSULATION SHEET EMBODYING A VAPOR BARRIER.

Claims use since June 2, 1947.

Ser. No. 527,207. PAGE & HILL Co., Minneapolis, Minn. Filed July 5, 1947.

P & H

FOR TREATED WOOD POLES FOR THE SUPPORT OF POWER LINES AND COMMUNICATION LINES.

Claims use since 1920.

Ser. No. 530,570. ROCK-TRED CORPORATION, Chicago, Ill. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

LIFETITE

FOR WATER EMULSION ASPHALT ROOFING.

Claims use since April 1942.

Ser. No. 530,571. ROCK-TRED CORPORATION, Chicago, Ill. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

DENSE-CRETE

FOR COMPOUND FOR ACCELERATION OF THE SETTING OF CEMENT MIXTURES.

Claims use since June 1939.

Ser. No. 530,572. ROCK-TRED CORPORATION, Chicago, Ill. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

ROOFTEX

FOR CUT BACK ASPHALT EMULSION ROOF COATING.

Claims use since April 1942.

Ser. No. 530,573. ROCK-TRED CORPORATION, Chicago, Ill. Filed Aug. 5, 1947.

EXTESAL

FOR TRANSPARENT WATERPROOFING AND PRESERVING COMPOUND FOR MASONRY.

Claims use since August 1946.

Ser. No. 530,885. WOOD CONVERSION COMPANY, St. Paul, Minn. Filed Aug. 8, 1947.

MUFFLEX

Applicant claims ownership of registration No. 300,892. FOR LOOSELY MATTED OR FELTED ADHESIVELY-BOUND VEGETABLE FIBER IN SHEET FORM AS THERMAL AND SOUND INSULATION.

Claims use since Apr. 18, 1945.

Ser. No. 530,887. WOOD CONVERSION COMPANY, St. Paul, Minn. Filed Aug. 8, 1947.

TUFFLEX

Applicant claims ownership of registration No. 300,892. FOR LOOSELY MATTED OR FELTED ADHESIVELY-BOUND VEGETABLE FIBER IN SHEET FORM AS THERMAL AND SOUND INSULATION.

Claims use since Apr. 19, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 527,683. THE AMERICAN ROLLING MILL COMPANY, Middleton, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

S. R.

FOR FERROUS METAL FORGINGS.

Claims use since July 28, 1941.

Ser. No. 527,824. NATIONAL LEAD COMPANY, New York, N. Y. Filed July 5, 1947.

NALCO

FOR LEAD ALLOYS—NAMESLY, SOLDER AND FILLER METAL.

Claims use since Nov. 29, 1946.

Ser. No. 528,486. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa. Filed July 12, 1947.

OTISCOLOY

Applicant claims ownership of registration No. 378,974. FOR SHEET STEEL, STRUCTURAL SHAPES, BARS, AND WIRE.

Claims use since January 1940 on sheet steel; and since July 1946 on structural shapes, bars, and wire.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 526,612. M & H LABORATORIES, Chicago, Ill. Filed July 5, 1947.

Vogue

FOR SELF-POLISHING WAX OR LIQUID COATING MATERIAL OF THE EMULSIFIED TYPE USED FOR APPLICATION OF A PROTECTIVE VARNISH-LIKE COATING TO THE SURFACES OF FINISHED FLOORING MATERIALS SUCH AS LINOLEUM, RUBBER TILE, ASPHALT TILE AND ALL FORMS OF VARNISH-FINISHED AND ENAMEL-FINISHED WOOD FLOORS, FURNITURE, AND WOOD WORK.

Claims use since Aug. 15, 1941.

Ser. No. 526,697. ART CRAYON CO., INC., Brooklyn, N. Y. Filed July 5, 1947.

ROBIN HOOD

FOR DRY TEMPERA COLORS, WATER COLORS, TEMPERA AND SHOW CARD COLORS.

Claims use since Jan. 10, 1947.

Ser. No. 527,602. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed July 5, 1947.

COSMOPOLITAN

FOR PAINT READY FOR USE.

Claims use since Sept. 25, 1931.

Ser. No. 527,621. TNESEC COMPANY, INC., Kansas City, Mo. Filed July 5, 1947.

Eskimo

FOR INTERIOR FLAT PAINTS.

Claims use since Jan. 1, 1935.

Ser. No. 528,930. FORMAN, FORD AND CO., Minneapolis, Minn. Filed July 19, 1947.

TURPALIN

FOR PETROLEUM PAINT THINNER AND PAINT BRUSH CLEANER.

Claims use since January 1921.

Ser. No. 531,390. JAMES B. SIPE AND COMPANY, Pittsburgh, Pa. Filed Aug. 14, 1947.

DUPLEX

FOR PAINT THINNING OIL FOR MIXED AND PASTE PAINT.

Claims use since Oct. 22, 1925.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 530,799. BENSON & HEDGES, New York, N. Y. Filed Aug. 8, 1947. Under section 2f of the act of 1946.

VIRGINIA ROUNDS

Applicant claims ownership of registration No. 377,139. FOR CIGARETTES.

Claims use since Oct. 15, 1931.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,064. B. F. GLADDING & CO. INC., South Otsele, N. Y. Filed July 5, 1947.

SALINE

FOR FISHING LINES.
Claims use since 1901.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 529,293. OWENS BRUSH COMPANY, Toledo, Ohio. Filed July 23, 1947.

SUPER FLARE

Applicant claims ownership of registration No. 403,102.
FOR HAIR BRUSHES.
Claims use since Aug. 13, 1941.

Ser. No. 529,294. OWENS BRUSH COMPANY, Toledo, Ohio. Filed July 23, 1947.

Healthade

Applicant claims ownership of registration No. 397,033.
FOR TOOTHBRUSHES.
Claims use since November 1925.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 526,708. ILLINOIS IRON & BOLT CO., Carpentersville, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

FREEMAN

Applicant claims ownership of registration No. 383,537.
FOR AUTOMATIC COAL STOKERS.
Claims use since Aug. 26, 1939.

Ser. No. 526,729. PETER FOURNIER, doing business as Trenton Heating & Manufacturing Company, Trenton, Mich. Filed July 5, 1947.

E-Z-LIFE

FOR LIQUID FUEL BURNING SPACE HEATERS
AND PARTS THEREOF.
Claims use since Nov. 15, 1946.

Ser. No. 526,855. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947.

FLEXIPIPE

Applicant claims ownership of registration No. 212,538.
FOR CANVAS TUBING WHICH IS PRINCIPALLY
USED FOR VENTILATING PURPOSES IN MINES.
Claims use since Apr. 25, 1921.

Ser. No. 527,023. THE EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed July 5, 1947.

BRASCOLITE

Applicant claims ownership of registration No. 98,280.
FOR CHANDELIERS AND OTHER SUPPORTING-
FIXTURES FOR LIGHTS.
Claims use since Nov. 1, 1912.

Ser. No. 527,146. SPENCER THERMOSTAT COMPANY, Attleboro, Mass. Filed July 5, 1947.

KLIXON

Applicant claims ownership of registration No. 284,829.
FOR GAS BURNERS AND SAFETY PILOTS.
Claims use since July 21, 1927.

Ser. No. 527,526. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo. Filed July 5, 1947.

Aunt Sarah's

Applicant claims ownership of registration No. 206,302.
FOR PORTABLE OVENS.
Claims use since Apr. 28, 1925.

Ser. No. 527,702. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo. Filed July 5, 1947.

JEMCO

FOR STOVE-PIPE, INCLUDING ELBOWS, T JOINTS,
REDUCERS, AND FLUE THIMBLES; HEATERS—
NAMESLY, WOOD, GAS, AND COAL BURNING TYPES;
OVENS, HEATING DRUMS, CAMP STOVES, AND RAIN
CAPS, COMPRISING CHIMNEY AND STACK COWLS.
Claims use since Apr. 1, 1938.

Ser. No. 528,752. WILSTER INCORPORATED, Cleveland, Ohio. Filed July 16, 1947.

WILSTERAIRE

FOR WINDOW VENTILATING FANS AND HOUSE-
INGS THEREFOR.
Claims use since July 10, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,127. MAX J. DOPPELT, doing business as Cardmaster Company, Chicago, Ill. Filed July 5, 1947.

CARDMASTER

FOR STENCIL DUPLICATOR MACHINES.
Claims use since Oct. 1, 1939.

Ser. No. 527,202. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio. Filed July 5, 1947.

Kromekote

Applicant claims ownership of registration No. 378,900.
FOR CAST COATED PAPER.
Claims use since Aug. 26, 1939.

Ser. No. 528,662. UNITED WALLPAPER, INC., Chicago, Ill. Filed July 15, 1947.

Softasized

FOR PAPER DRAPERIES.
Claims use since Apr. 4, 1947.

CLASS 39

CLOTHING

Ser. No. 526,520. TEEN-TIMERS, INC., New York, N. Y. Filed July 5, 1947.

WEE-timers

Timed for Tots

No claim is made to "Wee" and "Tots" apart from the mark.
FOR DRESSES FOR GIRLS IN THE SIZE RANGE
2 TO 6.
Claims use since Feb. 15, 1944.

Ser. No. 529,204. S. ROTHSCHILD & COMPANY, Philadelphia, Pa. Filed July 22, 1947.

FROM LITTLE ACORNS GROW

budsters

FOR INFANTS' AND CHILDREN'S COATS, LEGGING
SETS, AND SNOW SUITS.
Claims use since Apr. 17, 1947.

Ser. No. 529,319. STAR-MAID DRESSES, INC., New York, N. Y. Filed July 23, 1947.

PAKABLES

Applicant claims ownership of registration No. 360,770.
FOR WOMEN'S AND MISSES' DRESSES, COATS,
JACKETS, SKIRTS AND BLOUSES.
Claims use since Jan. 17, 1938.

Ser. No. 532,122. CORONET MILLS, INC., New York, N. Y. Filed Aug. 22, 1947.

SWA1NTRON

FOR LADIES' SLIPS, PANTIES, NIGHTGOWNS,
AND PAJAMAS.
Claims use since Sept. 14, 1946.

Ser. No. 532,123. CORONET MILLS, INC., New York, N. Y. Filed Aug. 22, 1947.

CAPKAY

FOR LADIES' SLIPS, PANTIES, NIGHTGOWNS,
AND PAJAMAS.
Claims use since Sept. 14, 1947.

Ser. No. 532,150. MILSAN MFG. CO., INC., New York, N. Y. Filed Aug. 22, 1947.

★

Milsan

FOR LADIES' SLIPS, PANTIES, NIGHTGOWNS,
AND PAJAMAS.
Claims use since Nov. 1, 1944.

Ser. No. 532,557. BUNCARLET GLOVE COMPANY, INC., New York, N. Y. Filed Aug. 27, 1947.

GLACELAV

Applicant claims ownership of registration No. 241,176. FOR LEATHER GLOVES. Claims use since Aug. 1, 1927.

Ser. No. 532,844. MARTHA MAID MFG. CO., Chicago, Ill. Filed Aug. 29, 1947.

Lady Love

Applicant claims ownership of registration No. 205,169. FOR WOMEN'S AND MISSES' UNDERWEAR AND LINGERIE—NAMESLY, SLIPS, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND PANTIES. Claims use since Apr. 22, 1925.

Ser. No. 532,846. MARTHA MAID MFG. CO., Chicago, Ill. Filed Aug. 29, 1947.

Martha Maid

Applicant claims ownership of registration No. 174,331. FOR WOMEN'S AND MISSES' UNDERWEAR AND LINGERIE—NAMESLY, SLIPS, INCLUDING JUNIOR SLIPS, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND PANTIES. Claims use since November 1920.

Ser. No. 532,847. MARTHA MAID MFG. CO., Chicago, Ill. Filed Aug. 29, 1947.

Miss Thrifty

Applicant claims ownership of registration No. 336,452. FOR WOMEN'S AND MISSES' UNDERWEAR AND LINGERIE—NAMESLY, SLIPS, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND PANTIES. Claims use since Feb. 1, 1936.

Ser. No. 533,398. ROYAL UNDERWEAR CO., INC., Leesport, Pa. Filed Sept. 4, 1947.

Royaltex

Applicant claims ownership of registration No. 177,904. FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR. Claims use since June 1, 1922.

Ser. No. 536,071. FELTS, INC., New York, N. Y. Filed Sept. 29, 1947.

PYR-LANE

FOR HAT BODIES AND HOODS FOR MEN'S, WOMEN'S, AND CHILDREN'S HATS. Claims use since Aug. 8, 1947.

Ser. No. 537,049. LAMPL FASHIONS, INC., Cleveland, Ohio. Filed Oct. 7, 1947.

Par-Golfer

FOR WOMEN'S CLOTHING—NAMESLY, DRESSES AND SPORT DRESSES. Claims use since Feb. 1, 1935.

Ser. No. 537,452. GROVINE DRESS CO., INC., New York, N. Y. Filed Oct. 10, 1947.

Grovine

FOR LADIES' DRESSES. Claims use since Apr. 19, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 527,783. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

"CONE-TIP"

FOR KNITTING NEEDLES FOR HAND USE. Claims use since May 1, 1936.

Ser. No. 527,836. TALON, INC., Meadville, Pa. Filed July 5, 1947.

HOOKESS

Applicant claims ownership of registration No. 198,412. FOR SLIDE FASTENER TAPE, SNAP FASTENERS, SNAP FASTENER TAPE, BUTTON AND BUTTONHOLE TAPE, BOBBY PINS, LINGERIE CLASPS MADE OF MATERIAL OTHER THAN PRECIOUS METAL, LINGERIE LOOPS, AND ZIPPER PULLS. Claims use since June 23, 1947.

Ser. No. 527,896. TALON, INC., Meadville, Pa. Filed July 5, 1947.

TALON

Applicant claims ownership of registration No. 243,746. FOR SLIDE FASTENER TAPE, SNAP FASTENERS, SNAP FASTENER TAPE, BUTTON AND BUTTONHOLE TAPE, BOBBY PINS, LINGERIE CLASPS MADE OF MATERIAL OTHER THAN PRECIOUS METAL, LINGERIE LOOPS, AND ZIPPER PULLS. Claims use since June 18, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 528,633. THE P. R. MITCHELL CO., Cincinnati, Ohio. Filed July 15, 1947.

PEREMCO

FOR COTTON FABRICS SOLD IN THE PIECE FOR MATTRESS COVERS, TRUNK LININGS, AND UP-HOLSTERY. Claims use since 1916.

Ser. No. 528,722. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J. Filed July 16, 1947.

AQUA-SHADE

No claim is made to the exclusive use of the word "Shade." Applicant claims ownership of registration No. 397,787. FOR WATERPROOFED SHADE CLOTH TREATED WITH PYROXYLIN. Claims use since Sept. 16, 1936.

Ser. No. 528,726. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J. Filed July 16, 1947. Under section 2f of the act of 1946.

NO-LITE

Applicant claims ownership of registration No. 146,039. FOR SHADE CLOTH IN THE PIECE. Claims use since May 1, 1920.

Ser. No. 531,713. THE L. B. PRICE MERCANTILE COMPANY, St. Louis, Mo. Filed Aug. 18, 1947.

PRIMERCO

FOR LACE CURTAINS, BED SPREADS, SHEETS, PILLOWCASES, RUGS, AND BLANKETS. Claims use since July 1, 1916.

Ser. No. 532,269. BROOKFIELD MILLS, INC., East Brookfield, Mass. Filed Aug. 25, 1947.

LASHOKOTE

FOR COATED COTTON PIECE GOODS. Claims use since July 10, 1947.

Ser. No. 532,270. BROOKFIELD MILLS, INC., East Brookfield, Mass. Filed Aug. 25, 1947.

LASHOLYN

FOR COATED COTTON PIECE GOODS. Claims use since June 20, 1947.

Ser. No. 532,661. UNITED MERCHANTS & MANUFACTURERS, INC., New York, N. Y., and Wilmington, Del. Filed Aug. 27, 1947.

"B"

FOR PIECE GOODS OF WOOL, COTTON, RAYON, NYLON, AND/OR SILK, OR COMBINATIONS THEREOF. Claims use since Apr. 18, 1947.

Ser. No. 532,969. STEVENSON'S MOYGASHEL LINENS, LTD., New York, N. Y. Filed Aug. 30, 1947.

MOYGASHEL

Applicant claims ownership of registrations Nos. 328,653 and 330,079.
FOR LINEN PIECE GOODS.
Claims use since Oct. 16, 1933.

Ser. No. 533,113. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Sept. 3, 1947.

Helena

FOR WOOL BLANKETS.
Claims use since May 29, 1947.

Ser. No. 533,114. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

Southwick

FOR WOOL BLANKETS.
Claims use since May 26, 1939.

Ser. No. 533,116. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Sept. 3, 1947.

Ramsford

FOR WOOL BLANKETS.
Claims use since June 13, 1939.

Ser. No. 533,118. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

Silverdale

FOR WOOL BLANKETS.
Claims use since June 20, 1939.

Ser. No. 533,119. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

Sherbrooke

FOR WOOL BLANKETS.
Claims use since May 27, 1940.

Ser. No. 533,326. BERT LEVI, New York, N. Y. Filed Sept. 4, 1947.

BELCO

Applicant claims ownership of registration No. 172,923.
FOR COTTON PIECE GOODS.
Claims use since Jan. 16, 1922.

Ser. No. 533,415. TANBRO FABRICS CORP., New York, N. Y. Filed Sept. 4, 1947.



FOR RAYON, COTTON, LINEN, WOOL, NYLON, AND SILK GOODS IN THE PIECE.
Claims use since May 14, 1942.

Ser. No. 533,416. TANBRO FABRICS CORP., New York, N. Y. Filed Sept. 4, 1947.



FOR RAYON, COTTON, LINEN, WOOL, NYLON, AND SILK GOODS IN THE PIECE.
Claims use since May 8, 1942.

CLASS 43

THREAD AND YARN

Ser. No. 527,890. TALON, INC., Meadville, Pa. Filed July 5, 1947.

HOOKESS

Applicant claims ownership of registration No. 198,412.
FOR THREAD.
Claims use since June 24, 1947.

Ser. No. 527,900. TALON, INC., Meadville, Pa. Filed July 5, 1947.

TALON

Applicant claims ownership of registration No. 243,740.
FOR THREAD.
Claims use since June 24, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 527,698. LAWRENCE R. FRICKE, doing business as Fricke Dental Manufacturing Co., Chicago, Ill. Filed July 5, 1947.

VITACRILIC

Applicant claims ownership of registration No. 383,259.
FOR MATERIALS FOR MAKING DENTURES, JACKET CROWNS, INLAIS, AND TEETH.
Claims use since June 1, 1939.

607 O. G.—27

Ser. No. 528,159. HARRY B. SCHWARTZ, INC., Baltimore, Md. Filed July 8, 1947.



FOR JACKET CROWNS AND DENTURES.
Claims use since May 20, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 526,611. CHAIN STORE ROOT BEER CO., INC., Rochester, N. Y. Filed July 5, 1947.



FOR CARBONATED BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.

Claims use since Aug. 20, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

FEBRUARY 17, 1948

- 436,600. SNAP SWITCHES. EVERETT N. McDONNELL, doing business as McDonnell & Miller, Chicago, Ill. Filed April 13, 1942. Serial No. 452,310. PUBLISHED MARCH 16, 1943. Class 21.
- 436,601. SERVICING AND MAINTENANCE TOOLS AND EQUIPMENT—NAMES, OIL SPRAYERS, ENGINE STANDS, LAPPING TOOLS, SANDING ADAPTORS, PROPELLER JACKS, ASSEMBLY POSTS, ENGINE PARTS RACKS, GRINDING AND POLISHING FIXTURES, HEAD STOCKS, AND THREAD PROTECTORS. AIRPLANE MANUFACTURING & SUPPLY CORPORATION, North Hollywood, Calif., now by change of name Pacific Airmotive Corporation. Filed March 13, 1944. Serial No. 468,218. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,602. SERVICING AND MAINTENANCE TOOLS AND EQUIPMENT—NAMES, OIL SPRAYERS, ENGINE STANDS, LAPPING TOOLS, SANDING ADAPTORS, PROPELLER JACKS, ASSEMBLY POSTS, ENGINE PARTS RACKS, GRINDING AND POLISHING FIXTURES, HEAD STOCKS, AND THREAD PROTECTORS. AIRPLANE MANUFACTURING & SUPPLY CORPORATION, North Hollywood, Calif., now by change of name Pacific Airmotive Corporation. Filed March 13, 1944. Serial No. 468,219. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,603. MONTHLY PUBLICATION. HELLER BROTHERS COMPANY, Newark, N. J. Filed April 10, 1944. Serial No. 469,199. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,604. CHOCOLATE CONFECTION PIECES, I. E., MILK CHOCOLATE BARS. Rockwood & Co., Brooklyn, N. Y. Filed May 17, 1944. Serial No. 470,348. PUBLISHED NOVEMBER 18, 1947. Class 46.
- 436,605. TITLE FOR A CARTOON, SERIES OF CARTOONS, CARTOON STRIP, OR EDITORIAL FEATURE PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed June 24, 1944. Serial No. 471,644. PUBLISHED NOVEMBER 13, 1945. Class 38.
- 436,606. SERVICING AND MAINTENANCE TOOLS AND EQUIPMENT—NAMES, OIL SPRAYERS, ENGINE STANDS, LAPPING TOOLS, SANDING ADAPTORS, PROPELLER JACKS, ASSEMBLY POSTS, ENGINE PARTS RACKS, GRINDING AND POLISHING FIXTURES, HEAD STOCKS, AND THREAD PROTECTORS. AIRPLANE MANUFACTURING & SUPPLY CORPORATION, North Hollywood, Calif., now by change of name Pacific Airmotive Corporation. Filed November 10, 1944. Serial No. 476,318. PUBLISHED NOVEMBER 11, 1947. Class 23.
- 436,607. PERIODICAL OF HOUSE ORGAN TYPE. HOLOPHANE COMPANY, INC., New York, N. Y. Filed September 15, 1945. Serial No. 488,528. PUBLISHED NOVEMBER 4, 1947. Class 38.
- 436,608. CASTING PLASTER COMPOSITION COMPRISING MAINLY CALCINED GYPSUM. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed September 24, 1945. Serial No. 488,939. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,609. PAPER, SUCH PAPER BEING ADAPTED TO BE COATED AND/OR IMPREGNATED WITH SYNTHETIC RESINS AND/OR PLASTIC MATERIALS FOR USE IN THE MANUFACTURE OF PAPER ARTICLES, EITHER BY DIE CUTTING AND/OR BY MOLDING OR OTHERWISE. EASTERN CORPORATION, Bangor, Maine. Filed October 8, 1945. Serial No. 489,572. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,610. TIMING MECHANISMS—VIZ., GEAR TRAINS WITH ESCAPEMENT FOR MECHANICALLY CONTROLLING TIME INTERVALS, IN CONNECTION WITH ELECTRICAL CIRCUITS. THE TELEOPTIC COMPANY, Racine, Wis. Filed November 23, 1945. Serial No. 492,112. PUBLISHED NOVEMBER 18, 1947. Class 26.
- 436,611. LOOSE-LEAF FILLER PAPER, ENVELOPES: PAPER STATIONERY—NAMES, WRITING PAPER AND TYPEWRITING PAPER; ADDING MACHINE PAPER, AND RING BINDERS. WRITE RIGHT MANUFACTURING COMPANY, Atlanta, Ga. Filed December 21, 1945. Serial No. 493,707. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,612. SOLENOID ACTUATED SWITCHES. HARRY G. SELLS, Columbus, Ohio. Filed December 29, 1945. Serial No. 494,132. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,613. LIPSTICK, ROUGE, AND NAIL POLISH. AVON PRODUCTS, INC., New York, N. Y. Filed January 15, 1946. Serial No. 494,775. PUBLISHED NOVEMBER 26, 1946. Class 6.
- 436,614. READY-MIXED CEMENT AND SAND MIXTURES FOR USE IN BUILDING CONSTRUCTION BY APPLICATION TO SUPER STRUCTURES BY AIR-BLAST EQUIPMENT, ETC. WILLIAM H. SCHUMACHER, doing business as Gun-Weld Construction and Manufacturing Company, Oklahoma City, Okla. Filed February 6, 1946. Serial No. 496,292. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,615. FLUID FOR PYROPHORIC LIGHTERS. ZIPPO MANUFACTURING COMPANY, Bradford, Pa. Filed February 21, 1946. Serial No. 497,056. PUBLISHED MARCH 18, 1947. Class 6.
- 436,616. FUEL INJECTION NOZZLES FOR INTERNAL COMBUSTION ENGINES, PUMPS FOR FEEDING BOILERS, TURBO-GAS ENGINES, AND DIESEL ENGINES. JOHN W. HUDSON, New York, N. Y. Filed February 25, 1946. Serial No. 497,179. PUBLISHED NOVEMBER 18, 1947. Class 23.
- 436,617. CRAYONS, WOOD ENCASED PENCILS, SCRAP BOOKS, EASEL STRIPS, EASEL PAPER, FINGER PAINT PAPER, PLAIN AND COLORED PAPER SOLD IN SHEET AND ROLL FORM AND IN THE FORM OF CUT-OUT DECORATIVE DESIGNS, CHALK, BLACKBOARD ERASERS, AND PUSH PINS. CREATO PRODUCTS COMPANY, Chicago, Ill. Filed February 28, 1946. Serial No. 497,375. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,618. PEANUT BUTTER SANDWICHES. BOBS CANDY & PEANUT CO., Albany, Ga. Filed March 5, 1946. Serial No. 497,643. PUBLISHED NOVEMBER 25, 1947. Class 46.

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- 436,619. CARDBOARD TAGS FOR EYEGLASS AND SPECTACLE FRAMES. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed March 20, 1946. Serial No. 498,640. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,620. BATTERY ELIMINATORS AND ELECTRICAL TRANSFORMERS. GENERAL TRANSFORMER CORPORATION, Chicago, Ill. Filed March 22, 1946. Serial No. 498,761. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,621. VANILLA AND VANILLIN CONCENTRATES FOR FOOD-FLAVORING PURPOSES. A. E. ILLES COMPANY, Dallas, Tex. Filed April 2, 1946. Serial No. 499,496. PUBLISHED NOVEMBER 18, 1947. Class 46.
- 436,622. TOILET WATER. GEORGE GORDON, doing business under the firm name Bergere Company, New York, N. Y., assignor, by mesne assignments, to Consolidated Cosmetics, Chicago, Ill., a firm. Filed April 6, 1946. Serial No. 499,780. PUBLISHED FEBRUARY 11, 1947. Class 6.
- 436,623. CUTLERY AND CARVING SETS, ETC. SPAULDING & COMPANY, Chicago, Ill. Filed April 24, 1946. Serial No. 500,838. PUBLISHED NOVEMBER 18, 1947. Class 23.
- 436,624. RADIO RECEIVING SETS AND PARTS THEREOF. FLORENCE DISTRIBUTING CO., Portland, Oreg. Filed April 26, 1946. Serial No. 500,979. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,625. FIXTURES CONTAINING ULTRA-VIOLET LIGHT SOURCES FOR THE COMMERCIAL AND INDUSTRIAL TREATMENT OF AIR IN ROOMS. ETC. SPERTI, INC., Cincinnati, Ohio. Filed April 26, 1946. Serial No. 501,021. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,626. PICTURE ENVELOPES WITH CANCELED STAMPS THEREON USED FOR PHILATELIC PURPOSES. J. ROBERT SCHMIDT, Louisville, Ky. Filed May 2, 1946. Serial No. 501,342. PUBLISHED NOVEMBER 4, 1947. Class 38.
- 436,627. PORTABLE ELECTRIC HEATER-FAN COMBINATION. G-M LABORATORIES, INC., Chicago, Ill. Filed May 3, 1946. Serial No. 501,381. PUBLISHED APRIL 1, 1947. Class 21.
- 436,628. SERIES OF BOOKS PUBLISHED EVERY TWO MONTHS. DAVID MCKAY COMPANY, Philadelphia, Pa. Filed May 9, 1946. Serial No. 501,754. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,629. PAPER BOARD AND PRINTING PAPER HAVING A PLASTIC-COATED SURFACE USED FOR HIGH-GRADE PRINTING. BROWNVILLE BOARD COMPANY, Brownville, N. Y. Filed June 1, 1946. Serial No. 503,156. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,630. WEARING APPAREL FOR WOMEN; ETC. MARGULIS BROTHERS, St. Louis, Mo. Filed June 6, 1946. Serial No. 503,381. PUBLISHED DECEMBER 31, 1946. Class 39.
- 436,631. ELECTRIC FRANKFURTER COOKER. WYATT-RAGSDALE CORPORATION, Hazel Park, Mich. Filed June 6, 1946. Serial No. 503,409. PUBLISHED JANUARY 21, 1947. Class 21.
- 436,632. MUSICAL PUBLICATIONS. E. C. SCHIRMER MUSIC COMPANY, Boston, Mass. Filed June 26, 1946. Serial No. 504,635. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,633. PERIODICAL PUBLISHED MONTHLY. TECHNICAL SOCIETIES COUNCIL OF KANSAS CITY AREA, Kansas City, Mo. Filed July 1, 1946. Serial No. 504,941. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,634. TIME CONTROLLED INSTRUMENTS TO SHUT OFF WASHING MACHINES. THE LUX CLOCK MANUFACTURING COMPANY, INC., Waterbury, Conn. Filed July 8, 1946. Serial No. 505,160. PUBLISHED OCTOBER 28, 1947. Class 26.
- 436,635. ELECTRICAL SWITCHES. NATHANIEL BRADFORD BURGE, Sherman, Tex. Filed July 8, 1946. Serial No. 505,179. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,636. RADIO RECEIVERS, TRANSMITTERS, DETECTORS, AMPLIFIERS, LOUD SPEAKERS, PARTS AND COMPONENTS OF RADIO RECEIVING AND TRANSMITTER APPARATUS, LIGHTNING ARRESTERS AND PROTECTIVE APPARATUS, ANTENNA WIRE, RADIO PHONOGRAPH ADAPTORS, VARIOMETERS, AND VARIOCOUPERS, CONDENSERS, TRANSFORMERS, RHEOSTATS, SPARK GAPS, AND TERMINALS. WORLD RADIO LABORATORIES, INC., Council Bluffs, Iowa. Filed July 24, 1946. Serial No. 506,214. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,637. PREPARATION TAKEN INTERNALLY FOR ALLEVIATION OF DISCOMFORTS DUE TO COMMON COLDS. BEEMAN'S LABORATORY, INC., Atlanta, Ga. Filed July 30, 1946. Serial No. 506,497. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,638. STORAGE BATTERY TERMINAL PROTECTOR COMPRISING A GREASE-SOAKED WASHER TO FIT OVER THE TERMINAL POST AND A HOLDER FOR THE WASHER. BATTERY SUPPLY CO., INC., Boston, Mass. Filed August 3, 1946. Serial No. 506,795. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,639. PHOTOGRAPHS, PORTRAITS, COPIES OF DOCUMENTS, AND FRAMED PICTURES. JIMMY N. ROOS, New Orleans, La. Filed August 19, 1946. Serial No. 507,657. PUBLISHED NOVEMBER 4, 1947. Class 38.
- 436,640. MONTHLY SPORTS MAGAZINE. WILLIAM P. JACOBS, doing business as Jacobs Press, Clinton, S. C. Filed August 8, 1946. Serial No. 508,359. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,641. METAL SPRAY GUNS. METALLIZING ENGINEERING CO. INC., Long Island City, N. Y. Filed August 31, 1946. Serial No. 508,385. PUBLISHED NOVEMBER 18, 1947. Class 23.
- 436,642. COIN METERS. TELECOIN CORPORATION, New York, N. Y. Filed August 31, 1946. Serial No. 508,393. PUBLISHED NOVEMBER 18, 1947. Class 26.
- 436,643. PERIODICAL. THE COUNTRY CHURCH OF HOLLYWOOD, Los Angeles, Calif. Filed September 10, 1946. Serial No. 508,792. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,644. PRUNE JUICE. DUFFY-MOTT COMPANY, INC., New York, N. Y. Filed March 29, 1946. Serial No. 499,215. PUBLISHED NOVEMBER 25, 1947. Class 46.
- 436,645. MONTHLY PUBLICATION. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed September 25, 1946. Serial No. 509,701. PUBLISHED NOVEMBER 4, 1947. Class 38.
- 436,646. BEARING BUSHINGS AND SLEEVES FOR BOTH RADIAL AND THRUST BEARINGS. NYLON BEARINGS, INCORPORATED, Whitman, Mass. Filed September 28, 1946. Serial No. 509,947. PUBLISHED NOVEMBER 18, 1947. Class 23.
- 436,647. COLLOID LAXATIVE. WILLIAM H. RORER, INC., Philadelphia, Pa. Filed October 2, 1946. Serial No. 510,113. PUBLISHED NOVEMBER 25, 1947. Class 6.

- 436,648. FOUNTAIN PENS. HAROLD L. MARTIN, doing business as The Styl-O-Matic Co., Culver City and Mar Vista, Calif.
Filed October 5, 1946. Serial No. 510,328. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,649. BRASSIERES. KASO CORSET COMPANY, Chicago, Ill.
Filed October 11, 1946. Serial No. 510,699. PUBLISHED SEPTEMBER 30, 1947. Class 39.
- 436,650. SECTION IN A MONTHLY MAGAZINE. CALLING ALL GIRLS, INC., New York, N. Y.
Filed October 14, 1946. Serial No. 510,827. PUBLISHED NOVEMBER 4, 1947. Class 38.
- 436,651. COMBINATION STORM AND SCREEN WINDOWS. ALUMINUM BUILDING PRODUCTS CO., Milwaukee, Wis.
Filed October 16, 1946. Serial No. 510,924. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,652. ELECTRIC LAMP HOLDERS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed October 25, 1946. Serial No. 511,463. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,653. B-COMPLEX VITAMIN TABLETS. LANTEEN MEDICAL LABORATORIES, INC., Chicago, Ill.
Filed October 25, 1946. Serial No. 511,479. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,654. LADIES' GARMENTS—NAMES, LADIES' COATS AND DRESSES. JUNIOR LEAGUE FROCKS, INC., New York, N. Y.
Filed October 26, 1946. Serial No. 511,562. PUBLISHED NOVEMBER 4, 1947. Class 39.
- 436,655. CELLOPHANE WRAP. SHAW-RANDALL COMPANY, Pawtucket, R. I.
Filed October 30, 1946. Serial No. 511,765. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,656. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 30, 1946. Serial No. 511,773. PUBLISHED AUGUST 19, 1947. Class 6.
- 436,657. SELF-VITRIFYING BASIC REFRACTORY COATING FOR HIGH TEMPERATURE FURNACES AND CRUCIBLES MADE FROM MAGNESIUM OXIDE BASE. THE WHITMAN COMPANY, Los Angeles, Calif.
Filed October 31, 1946. Serial No. 511,849. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,658. WORKING DRAWINGS FOR HOUSES, PLAN BOOKS, PAMPHLETS AND PRINTED CONTRACTORS' WORKSHEETS. A. GALES JOHNSON, doing business as Standard Homes Company, Washington, D. C.
Filed November 1, 1946. Serial No. 511,880. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,659. FRESH GRAPES. DONALD ANDREWS, Lodi, Calif.
Filed November 4, 1946. Serial No. 511,973. PUBLISHED JULY 15, 1947. Class 46.
- 436,660. PHOTOGRAPHIC FOLDERS MADE OF PAPER. THERON R. GREEN, Pine Bluff, Ark.
Filed November 6, 1946. Serial No. 512,118. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,661. NIGHT SKIN CREAM CONTAINING VITAMIN EMULSIFIED CLEANSING CREAM, HAND LOTION, SKIN CREAM, LEMON SKIN CREAM, ETC. KOLAR LABORATORIES, INC., Chicago, Ill.
Filed November 8, 1946. Serial No. 512,265. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,662. GRANULATED SLAG AND BUILDING UNITS MADE THEREFROM—NAMES, PRECAST BUILDING UNITS IN SLAB FORM. ANTONIO FABBRO, Tampa, Fla.
Filed November 13, 1946. Serial No. 512,481. PUBLISHED NOVEMBER 25, 1947. Class 12.

- 436,663. FASTENER PLATES MADE OF STEEL, ALUMINUM OR PLASTICS, NUTS FOR FASTENING STUDS MADE OF STEEL OR ALUMINUM, AND PANELS AND AUXILIARY PIECES MADE OF WOOD STUDS, JOISTS OR RAFTERS WITH PLYWOOD SURFACES OR WITH OTHER SHEET MATERIALS OR LAMINATES. HOUSING RESEARCH CORPORATION, Boston, Mass.
Filed November 14, 1946. Serial No. 512,590. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,664. COMPOSITION FOR USE IN NEUTRALIZING CHEMICAL BURNS. INDUSTRIAL SAFETY PHARMACEUTICALS, INC., Woodbury, N. J.
Filed November 22, 1946. Serial No. 513,056. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,665. PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed November 29, 1946. Serial No. 513,476. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,666. MONTHLY PUBLICATION. MARION SCHMITT, doing business as The St. Louis Hostess Co., St. Louis, Mo.
Filed December 4, 1946. Serial No. 513,689. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,667. ACTIVE CHEMICAL INGREDIENT FOR USE IN THE MANUFACTURE OF INSECTICIDES. HERCULES POWDER COMPANY, Wilmington, Del.
Filed December 11, 1946. Serial No. 514,036. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,668. NEWSPAPER SECTION OR DEPARTMENT. PAUL LUTHER ENTERPRISES, INC., Larchmont, N. Y.
Filed December 11, 1946. Serial No. 514,052. PUBLISHED NOVEMBER 4, 1947. Class 38.
- 436,669. JEWELRY. THE FRED. GRETSCH MANUFACTURING CO., Brooklyn, N. Y.
Filed December 17, 1946. Serial No. 514,412. PUBLISHED NOVEMBER 11, 1947. Class 36.
- 436,670. ASBESTOS SHINGLES AND SIDING. AMERICAN ASBESTOS INDUSTRIES, INC., South Orange, N. J.
Filed December 18, 1946. Serial No. 514,458. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,671. ELECTRIC TABLE LAMPS, AND COMPONENT PARTS THEREOF. MINTONS LIMITED, Stoke-on-Trent, England.
Filed December 19, 1946. Serial No. 514,552. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,672. SUPPORT STANDS FOR SPOT LIGHTS, FLOOD LIGHTS, BOOM LIGHTS, AND FILL-IN LIGHTS. DISPLAY LIGHTING, INCORPORATED, New York, N. Y.
Filed December 20, 1946. Serial No. 514,593. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,673. MONTHLY MAGAZINE. PAUL ROBERTS AND ASSOCIATES, Atlantic City, N. J.
Filed December 23, 1946. Serial No. 514,722. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,674. CONCRETE ADMIXTURE (A DRY MATERIAL IN POWDER FORM WHICH WHEN MIXED WITH WATER IS USED TO SPRAY OVER MASONRY SURFACES). W. E. DUNN MFG. CO., Holland, Mich.
Filed December 28, 1946. Serial No. 514,946. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,675. CARDS HAVING INDICIA PRINTED THEREON DENOTING NUTRITIONAL VALUES OF FOODS. RUBEN NOEL PERLEY, Omaha, Nebr.
Filed December 30, 1946. Serial No. 515,045. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,676. CARDS HAVING INDICIA PRINTED THEREON DENOTING NUTRITIONAL VALUES OF FOODS. RUBEN NOEL PERLEY, Omaha, Nebr.
Filed December 30, 1946. Serial No. 515,046. PUBLISHED NOVEMBER 18, 1947. Class 38.

- 436,677. RECTAL SUPPOSITORIES, A MEDICAL PREPARATION FOR TREATMENT OF PILES, HEMORRHOIDS, AND ALLIED CONDITIONS. CYRUS COOPER, INC., New York, N. Y.
Filed December 31, 1946. Serial No. 515,083. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,678. LETHAL FLY AND MOTH LURES COATED WITH A SOLUTION OF DDT. ESSEX PAPER MILLS, INC., New York, N. Y.
Filed December 31, 1946. Serial No. 515,092. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,679. GREETING CARDS; PRINTED GREETING FOLDERS, CALENDARS, PRINTED DECORATIVE TAGS, AND PRINTED SEALS. NORCROSS, NEW YORK, N. Y.
Filed December 31, 1946. Serial No. 515,127. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,680. PIEZO ELECTRIC ELEMENTS AND HOLDERS THEREFOR, AND ELECTRICAL IMPEDANCES AND HOLDERS THEREFOR. POLYTECH DEVICES, INC., Elizabeth, N. J.
Filed January 3, 1947. Serial No. 515,234. PUBLISHED NOVEMBER 11, 1947. Class 21.
- 436,681. DISC TYPE MECHANICALLY GROOVED PHONOGRAPH RECORDS. CHARLES M. MULKERN, St. Paul, Minn.
Filed January 6, 1947. Serial No. 515,325. PUBLISHED NOVEMBER 4, 1947. Class 36.
- 436,682. COSMETIC LIP COATING. FANNIE ROBERTS HEYMAN, New York, N. Y.
Filed January 8, 1947. Serial No. 515,426. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,683. LOOM SUPPLIES—NAMES, PICKER HOLDERS. E. H. JACOBSON MANUFACTURING CO. INC., Danielson, Conn.
Filed January 11, 1947. Serial No. 515,621. PUBLISHED NOVEMBER 18, 1947. Class 23.
- 436,684. MATERIAL FOR CONSTRUCTION—NAMES, OPALESCENT, ENAMELLED AND GLAZED TILES, DUTCH TILES, SLATES, AND MOSAICS. ERNESTO Y MANUEL GANDULFO, Buenos Aires, Argentina.
Filed January 15, 1947. Serial No. 515,755. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,685. NEWSPAPER COLUMN, SECTION, OR FEATURE. THE HEARST CORPORATION, New York, N. Y.
Filed January 15, 1947. Serial No. 515,760. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,686. METAL PRODUCTS—NAMES, METAL WEATHER STRIPS, SCREEN CHANNELS, CORNER BEADS, DOOR AND WINDOW TRIM, AND STAINLESS STEEL METAL TRIM. EMPIRE METAL PRODUCTS CO., Cambridge, Mass.
Filed January 16, 1947. Serial No. 515,830. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,687. WOMEN'S COATS, SUITS, AND DRESSES. NAT-LIE, INC., Brooklyn, N. Y.
Filed January 16, 1947. Serial No. 515,844. PUBLISHED NOVEMBER 4, 1947. Class 39.
- 436,688. BULLETIN ISSUED FROM TIME TO TIME. ASSOCIATED BUSINESS PAPERS, INC., also doing business as National Conference of Business Paper Editors, New York, N. Y.
Filed January 23, 1947. Serial No. 516,166. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,689. LIQUID AIR-FRESHENING DEODORANT. JOHN M. BASH, doing business as Phillips Chemical Co., Chicago, Ill.
Filed January 30, 1947. Serial No. 516,596. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,690. PETROLEUM FIBRE LUBRICANT FOR THE PROCESSING OF WORSTED YARNS AND FABRIC. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed January 30, 1947. Serial No. 516,643. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,691. SHAMPOO. KAY DAUMIT, INC., Chicago, Ill., assignor to Kay Daumit, Inc., Jersey City, N. J., a corporation of Delaware.
Filed January 31, 1947. Serial No. 516,699. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,692. GREETING CARDS; PRINTED GREETING FOLDERS; CALENDARS; PRINTED DECORATIVE TAGS; AND PRINTED SEALS. NORCROSS, INC., New York, N. Y.
Filed February 1, 1947. Serial No. 516,783. PUBLISHED NOVEMBER 11, 1947. Class 38.
- 436,693. PHOTOSTATS AND LOOSE-LEAF ADVERTISING UNITS OR DATA SHEETS. COMMERCIAL REPRODUCING COMPANY, Detroit, Mich.
Filed February 14, 1947. Serial No. 517,458. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,694. AIRPLANE TIRES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed February 17, 1947. Serial No. 517,604. PUBLISHED NOVEMBER 18, 1947. Class 35.
- 436,695. CEMENTITIOUS BUILDING MATERIALS CONSISTING OF A MIXTURE OF PUMICE, POZZOLITH AND CEMENT. H. R. KETELL, doing business as The Ketell Co., Los Angeles, Calif.
Filed February 18, 1947. Serial No. 517,729. PUBLISHED NOVEMBER 25, 1947. Class 12.
- 436,696. PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed February 18, 1947. Serial No. 517,756. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,697. PRECOOKED FROZEN MEALS ADAPTED FOR HOT SERVING, CONSISTING OF VARIOUS COMBINATIONS OF A MEAT, MEAT AND EGGS OR STEW, WITH ONE OR MORE VEGETABLES, WITH OR WITHOUT BREAD, AND WITH OR WITHOUT A DESSERT. MAXSON FOOD SYSTEMS, INC., New York, N. Y.
Filed February 19, 1947. Serial No. 517,792. PUBLISHED NOVEMBER 25, 1947. Class 46.
- 436,698. PERIODICAL PUBLICATION. GEMEX COMPANY, Union, N. J.
Filed February 20, 1947. Serial No. 517,843. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,699. ELECTRIC STERILIZERS, ELECTRIC FORMULA AND STERILIZER OUTFITS, ELECTRIC BOTTLE WARMERS. SANIT-ALL PRODUCTS CORPORATION, Greenwich, Ohio.
Filed February 24, 1947. Serial No. 518,049. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,700. CONTINUING PUBLICATION AT PRESENT PUBLISHED ANNUALLY. NATIONAL GEOGRAPHIC SOCIETY, Washington, D. C.
Filed February 26, 1947. Serial No. 518,167. PUBLISHED NOVEMBER 18, 1947. Class 38.
- 436,701. MEDICINAL PREPARATION FOR THE TREATMENT OF VITAMIN DEFICIENCIES AND NUTRITIONAL DISORDERS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 28, 1947. Serial No. 518,330. PUBLISHED SEPTEMBER 2, 1947. Class 6.
- 436,702. SERIES OF CARTOONS OR COMIC STRIPS. FRANCIS R. SIEMINSKI, Jersey City, N. J.
Filed March 4, 1947. Serial No. 518,487. PUBLISHED NOVEMBER 25, 1947. Class 38.

- 436,703. HAIR DRESSING, AFTER-SHAVE LOTION, COLOGNE, BRILLIANTINE, AND MEN'S TALC. LINNEA PERFUMES, INC., Chicago, Ill.
Filed March 5, 1947. Serial No. 518,538. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,704. COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 5, 1947. Serial No. 518,569. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,705. FELT BELTS FOR PAPER MAKING MACHINERY. THE ORR FELT & BLANKET COMPANY, Piqua, Ohio.
Filed March 8, 1947. Serial No. 518,736. PUBLISHED NOVEMBER 18, 1947. Class 35.
- 436,706. CARTOONS. HENRY W. MALCOLM, doing business as Malcolm Advertising Service, Tampa, Fla.
Filed March 12, 1947. Serial No. 518,901. PUBLISHED NOVEMBER 25, 1947. Class 38.
- 436,707. SEDATIVE AND ANALGESIC PREPARATION INTENDED FOR USE AS A SUBSTITUTE FOR A NARCOTIC. ABBOTT LABORATORIES, Chicago, Ill.
Filed March 14, 1947. Serial No. 518,995. PUBLISHED SEPTEMBER 16, 1947. Class 6.
- 436,708. DESK CALENDARS WITH MEMORANDA PAPER SUPPLY AND STANDS THEREFOR. JOHN B. BRADY, JR., doing business as Desk Calendar Company, Washington, D. C.
Filed March 15, 1947. Serial No. 519,053. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,709. CANNED VEGETABLES. CALIFRUIT CANNING COMPANY, Manteca, Calif.
Filed March 15, 1947. Serial No. 519,058. PUBLISHED NOVEMBER 25, 1947. Class 46.
- 436,710. MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE. IMPERIAL RECORD CO., Los Angeles, Calif.
Filed March 15, 1947. Serial No. 519,070. PUBLISHED NOVEMBER 11, 1947. Class 36.
- 436,711. BAKERY PRODUCTS—NAMELY, PASTRY CUPS. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed March 15, 1947. Serial No. 519,081. PUBLISHED NOVEMBER 18, 1947. Class 46.
- 436,712. BEAUTY CREAM. ROGER THIRION & CIE., Paris, France.
Filed March 15, 1947. Serial No. 519,096. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,713. CHEMICAL ADAPTED FOR TIPPY DYEING. GRIGY COMPANY, INC., New York, N. Y.
Filed March 22, 1947. Serial No. 519,439. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,714. COSMETIC FACE CREAMS. ERNESTINE L. GOVE, doing business as Luda Cosmetic Company, New York, N. Y.
Filed March 25, 1947. Serial No. 519,521. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,715. TIRES FOR CYCLES, MOTOR CARS, AND OTHER VEHICLES, MANUFACTURED OUT OF INDIA RUBBER OR CAOUTCHOUC OR ITS SURROGATES OR OF A MIXTURE THEREOF. HUNGARIAN RUBBER GOODS FACTORY LIMITED, Budapest, Hungary.
Filed March 26, 1947. Serial No. 519,580. PUBLISHED NOVEMBER 18, 1947. Class 35.
- 436,716. ELECTRIC DESK AND OFFICE LAMPS. STANDARD BUSINESS MACHINES CO., Chicago, Ill.
Filed March 27, 1947. Serial No. 519,700. PUBLISHED NOVEMBER 11, 1947. Class 21.
- 436,717. PERFUMES. D. R. COLLINS LIMITED, London, England.
Filed March 28, 1947. Serial No. 519,733. PUBLISHED NOVEMBER 18, 1947. Class 6.

- 436,718. ELECTRIC MOTORS, ELECTRIC GENERATORS, AND ELECTRICALLY ACTUATED REDUCTION GEAR BOXES. R. G. LE TOURNEAU, INC., Peoria, Ill.
Filed March 28, 1947. Serial No. 519,765. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,719. MECHANICAL PENCILS. THE MOORE PEN COMPANY, Boston, Mass.
Filed April 3, 1947. Serial No. 520,107. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,720. FOUNTAIN PENS. REXALL DRUG COMPANY, Los Angeles, Calif.
Filed April 3, 1947. Serial No. 520,122. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,721. LIQUID MEDICINE FOR EXTERNAL APPLICATION IN THE TREATMENT OF PSORIASIS. NICHOLAS P. PETER, doing business as Soriaslina Co., Ossining, N. Y.
Filed April 7, 1947. Serial No. 520,297. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,722. HAIR OIL AND POMADES. ALBERTO CORDERO, doing business as Myrna Products Co., New York, N. Y.
Filed April 9, 1947. Serial No. 520,381. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,723. BRACELETS, NOT INCLUDING WATCHES. D. ORSTEIN & SONS CORP., New York, N. Y.
Filed April 10, 1947. Serial No. 520,465. PUBLISHED NOVEMBER 11, 1947. Class 28.
- 436,724. RADIO RECEIVING APPARATUS; ELECTRICAL TALKING MACHINES, ETC. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed April 19, 1947. Serial No. 520,491. PUBLISHED NOVEMBER 18, 1947. Class 21.
- 436,725. BRASSIERES. STEPHEN-JAY CO., INC., New York, N. Y.
Filed April 14, 1947. Serial No. 520,654. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,726. PINE OIL DISINFECTANT. HUNTINGTON LABORATORIES, INC., Huntington, Ind.
Filed April 15, 1947. Serial No. 520,708. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,727. VEHICLE TIRES, MORE PARTICULARLY BICYCLE TIRES. ARNOLD, SCHWINN & CO., Chicago, Ill.
Filed April 23, 1947. Serial No. 521,170. PUBLISHED NOVEMBER 18, 1947. Class 35.
- 436,728. VEHICLE TIRES, MORE PARTICULARLY BICYCLE TIRES. ARNOLD, SCHWINN & CO., Chicago, Ill.
Filed April 23, 1947. Serial No. 521,171. PUBLISHED NOVEMBER 18, 1947. Class 35.
- 436,729. VEHICLE TIRES, MORE PARTICULARLY BICYCLE TIRES. ARNOLD, SCHWINN & CO., Chicago, Ill.
Filed April 23, 1947. Serial No. 521,173. PUBLISHED NOVEMBER 18, 1947. Class 35.
- 436,730. BLANK BOOKS OF ALL TYPES, PADS AND TABLETS, ETC. BOORDUM & PEASE COMPANY, Brooklyn, N. Y.
Filed April 25, 1947. Serial No. 521,317. PUBLISHED NOVEMBER 4, 1947. Class 37.
- 436,731. CANDY. LOFT CANDY CORPORATION, Long Island City, N. Y.
Filed April 25, 1947. Serial No. 521,346. PUBLISHED NOVEMBER 11, 1947. Class 46.
- 436,732. SOUPS. ALFONSO ORTIZ, New York, N. Y.
Filed April 26, 1947. Serial No. 521,399. PUBLISHED NOVEMBER 18, 1947. Class 46.
- 436,733. GAS TO BE USED IN MAKING WHIPPED CREAM. BREAKSTONE & CO., INC., Chicago, Ill.
Filed April 28, 1947. Serial No. 521,430. PUBLISHED NOVEMBER 18, 1947. Class 6.

- 436,734. PAPER NAPKINS, PAPER TOWELS AND TOWEL PAPER. STERLING PULP & PAPER COMPANY, Eau Claire, Wis.
Filed May 1, 1947. Serial No. 521,700. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,735. VEHICLE TIRES, MORE PARTICULARLY BICYCLE TIRES. ARNOLD, SCHWINN & CO., Chicago, Ill.
Filed May 3, 1947. Serial No. 521,782. PUBLISHED NOVEMBER 18, 1947. Class 35.
- 436,736. SURFACE ACTIVE AGENTS USEFUL AS WETTING AGENTS, FOAMING AGENTS, AND DYE RETARDANTS. ULTRA CHEMICAL WORKS, INCORPORATED, Paterson, N. J.
Filed May 3, 1947. Serial No. 521,839. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,737. HAIR TONIC. CHARLES GOLTRA, Albany, Ore.
Filed May 7, 1947. Serial No. 522,034. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,738. MEDICINAL OINTMENT FOR BURNS. PYRO-THERAPEUTIC CORPORATION, Newark, N. J.
Filed May 8, 1947. Serial No. 522,091. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,739. MISSES' COATS AND SUITS. LOU SCHNEIDER, Inc., New York, N. Y.
Filed May 14, 1947. Serial No. 522,353. PUBLISHED NOVEMBER 11, 1947. Class 39.
- 436,740. LOOSE LEAF BLANK BOOKS AND ALBUMS AND SHEETS THEREFOR. ROBERT B. BUZZERD, Charleston, W. Va.
Filed May 14, 1947. Serial No. 522,377. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,741. SPECTACLE LENSES AND OBJECTIVE LENSES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed May 15, 1947. Serial No. 522,416. PUBLISHED OCTOBER 21, 1947. Class 26.
- 436,742. RAZOR BLADES. J. ANTONIO PRADO BRAVO, doing business as Optimus Products Co., New York, N. Y.
Filed May 16, 1947. Serial No. 522,468. PUBLISHED NOVEMBER 18, 1947. Class 23.
- 436,743. PHOTOGRAPHIC CAMERAS. WEBSTER INDUSTRIES, Inc., Webster, N. Y.
Filed May 16, 1947. Serial No. 522,509. PUBLISHED OCTOBER 21, 1947. Class 26.
- 436,744. OPHTHALMIC FRAMES. BAY STATE OPTICAL COMPANY, Attleboro, Mass.
Filed May 16, 1947. Serial No. 522,527. PUBLISHED OCTOBER 21, 1947. Class 26.
- 436,745. PHOTOGRAPHIC ENLARGERS. SIMMON BROTHERS, Inc., Long Island City, N. Y.
Filed May 17, 1947. Serial No. 522,561. PUBLISHED OCTOBER 21, 1947. Class 26.
- 436,746. LINIMENT. ARTHUR DALTON, Evansville, Ind.
Filed May 23, 1947. Serial No. 522,911. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,747. LINIMENT. ARTHUR DALTON, Evansville, Ind.
Filed May 23, 1947. Serial No. 522,912. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,748. ENVELOPES EQUIPPED WITH METAL FASTENERS. UNITED STATES ENVELOPE COMPANY, Springfield, Mass.
Filed May 24, 1947. Serial No. 522,974. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,749. BLOTTER HOLDERS. RALPH R. CONELL, Los Angeles, Calif.
Filed May 24, 1947. Serial No. 523,001. PUBLISHED NOVEMBER 11, 1947. Class 37.
- 436,750. FRESH VEGETABLES. PETER GIANNINI, Santa Clara, Calif.
Filed May 24, 1947. Serial No. 523,013. PUBLISHED NOVEMBER 25, 1947. Class 46.

- 436,751. SALTS OF CELLULOSE GLYCOLLIC ACID, ALSO KNOWN AS CARBOXYMETHYLCELLULOSE. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed May 27, 1947. Serial No. 523,123. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,752. TESTING MACHINES FOR THE DETERMINATION OF ADHESION AND HARDNESS OF PAINT FILMS. THE ARCO COMPANY, Cleveland, Ohio.
Filed May 28, 1947. Serial No. 523,221. PUBLISHED OCTOBER 21, 1947. Class 26.
- 436,753. FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS. HOWARD E. ROGERS, doing business as Howard E. Rogers Company, Los Angeles, Calif.
Filed June 6, 1947. Serial No. 523,670. PUBLISHED NOVEMBER 25, 1947. Class 46.
- 436,754. CHILDREN'S PAPER BIBS. MARION A. CHRISTMAN, doing business as Katchee Bib Company, Detroit, Mich.
Filed June 9, 1947. Serial No. 523,825. PUBLISHED NOVEMBER 18, 1947. Class 37.
- 436,755. GLASS CUTTERS' AND GLAZIERS' RULES AND GLASS THICKNESS GAUGES. GLAZIERS' TOOL MFG. CORP., Chicago, Ill.
Filed June 13, 1947. Serial No. 524,128. PUBLISHED OCTOBER 28, 1947. Class 26.
- 436,756. WRITING AND PRINTING PAPER. PLYMOUTH PAPER COMPANY, INC., Holyoke, Mass.
Filed June 13, 1947. Serial No. 524,149. PUBLISHED NOVEMBER 18, 1947. Class 37.
- 436,757. DIAMOND RINGS. ROYAL DIAMOND & WATCH CO., INC., New York, N. Y.
Filed June 14, 1947. Serial No. 524,212. PUBLISHED NOVEMBER 18, 1947. Class 28.
- 436,758. MACHINERY PACKING. BADGER WORSTED MILLS, Grafton, Wis.
Filed June 17, 1947. Serial No. 524,287. PUBLISHED NOVEMBER 18, 1947. Class 35.
- 436,759. ASPHALT. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 28, 1947. Serial No. 525,124. PUBLISHED NOVEMBER 11, 1947. Class 12.
- 436,760. MEDICINAL PREPARATION FOR VITAMIN AND NUTRITIONAL DEFICIENCIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed June 28, 1947. Serial No. 525,160. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,761. INSECT REPELLENT. CHEMOLA MANUFACTURING COMPANY, Houston, Tex.
Filed June 30, 1947. Serial No. 525,192. PUBLISHED NOVEMBER 25, 1947. Class 6.
- 436,762. WATCHES, WATCH MOVEMENTS, AND PARTS THEREOF. HAMILTON WATCH COMPANY, Lancaster, Pa.
Filed July 1, 1947. Serial No. 525,317. PUBLISHED NOVEMBER 18, 1947. Class 27.
- 436,763. THERAPEUTIC PREPARATION FOR THE TREATMENT OF ALLERGIC MANIFESTATIONS—NAMELY, HAY FEVER, ASTHMA, URTICARIA, AND ALLIED CONDITIONS. G. D. SEARLE & CO., Chicago, Ill.
Filed July 1, 1947. Serial No. 525,411. PUBLISHED NOVEMBER 18, 1947. Class 6.
- 436,764. EMPLOYEES' AND WATCHMEN'S TIME CLOCKS. SIMPLEX TIME RECORDER CO., Gardner, Mass.
Filed July 1, 1947. Serial No. 525,507. PUBLISHED NOVEMBER 18, 1947. Class 27.

436,765. SENSITIZED PHOTOGRAPHIC PAPER. GRANT PHOTO PRODUCTS, INC., New York, N. Y. Filed July 2, 1947. Serial No. 525,589. PUBLISHED OCTOBER 28, 1947. Class 26.

436,766. FOUNTAIN PENS AND MECHANICAL PENCILS. ASSOCIATED PEN COMPANY, New York, N. Y. Filed June 24, 1947. Serial No. 525,749. PUBLISHED NOVEMBER 18, 1947. Class 37.

436,767. LADIES' COATS. BEVLON COATS, New York, N. Y. Filed July 3, 1947. Serial No. 525,772. PUBLISHED NOVEMBER 11, 1947. Class 39.

436,768. PHOTOGRAPHIC EQUIPMENT—NAMELY, FLASHGUN AND SYNCHRONIZER. THE MAC PHOTO COMPANY, Oradell, N. J. Filed July 4, 1947. Serial No. 526,264. PUBLISHED NOVEMBER 4, 1947. Class 26.

ACT OF 1920

These registrations are not subject to opposition.

436,769. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DE FRECE WATCH CO., INC., New York, N. Y. Filed Mar. 6, 1943. Serial No. 458,934.

*Fashions
in Time
by DE FRECE*

FOR WATCHES AND CLOCKS.
Claims use since Jan. 16, 1943.

436,770. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) COMBIER, CHAUVIN CORPORATION, New York, N. Y., assignor to Combler Chauvin Company, New York, N. Y., a firm. Filed Apr. 25, 1944. Serial No. 469,621.

"Paintings to Wear"

FOR PIECE GOODS OF SILK, RAYON, COTTON, AND MIXTURES THEREOF, ESPECIALLY DESIGNED FOR MAKING SCARFS.

Claims use since Oct. 14, 1943.

436,771. (CLASS 39. CLOTHING.) J. EDWARDS & CO., Philadelphia, Pa. Filed May 15, 1945. Serial No. 483,410.



FOR LEATHER SHOES.
Claims use since Apr. 20, 1945.

DRI - PIPE

FOR MASTIC COMPOUND FOR COATING PIPE SURFACES AND THE LIKE TO ELIMINATE CONDENSATION.

Claims use since Apr. 25, 1945.

436,773. (CLASS 12. CONSTRUCTION MATERIALS.) THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Aug. 22, 1945. Serial No. 487,446.

SWET-FOIL

FOR MASTIC COMPOUNDS FOR COATING PIPE SURFACES AND THE LIKE TO ELIMINATE CONDENSATION.

Claims use since Aug. 3, 1945.

436,774. (CLASS 39. CLOTHING.) MAPLE KNITWEAR CO., New York, N. Y. Filed Nov. 26, 1945. Serial No. 492,207.

Bruce Cameron

FOR SWEATERS AND KNIT JACKETS.
Claims use since January 1942.

436,775. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Dec. 7, 1945. Serial No. 492,837.

The RAND Shoe

FOR BOOTS AND SHOES OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF FOR MEN AND WOMEN.

Claims use since Nov. 2, 1945.

436,776. (CLASS 39. CLOTHING.) TODES BROTHERS, doing business as The Metropolitan Line, Chicago, Ill. Filed Dec. 7, 1945. Serial No. 492,872.

PLASTI-CLOGS

FOR PLASTIC CLOGS SUITABLE FOR SHOWER, BEACH, HOME, AND GYMNASIUM USE.
Claims use since 1944.

436,777. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Feb. 25, 1946. Serial No. 497,175.

GILLAM

FOR SAFETY RAZORS AND SAFETY RAZOR BLADES.

Claims use since Feb. 15, 1946.

436,778. (CLASS 39. CLOTHING.) ACE EXHIBITS CO., Brooklyn, N. Y. Filed Apr. 9, 1946. Serial No. 499,881.



The pictures of the two babies are fanciful.
FOR SHOES FOR BABIES.
Claims use since Feb. 20, 1946.

436,779. (CLASS 38. PRINTS AND PUBLICATIONS.) ESQUIRE, INC., Chicago, Ill. Filed May 4, 1946. Serial No. 501,446.

THE VARGA GIRL

FOR SECTION OF A FEATURE IN A PERIODICAL PUBLICATION.

Claims use since January 1943.

436,780. (CLASS 39. CLOTHING.) J. SCHULMAN & BROTHER, New York, N. Y. Filed May 16, 1946. Serial No. 502,234.

Craftsman

FOR FUR GARMENTS DESIGNED FOR WOMEN—NAMELY, COATS, JACKETS, WRAPS, AND SCARVES.
Claims use since February 1941.

436,781. (CLASS 39. CLOTHING.) NUNN-BUSH SHOE COMPANY, Milwaukee, Wis. Filed Oct. 2, 1946. Serial No. 510,102.

Edgerton
PLI-FLEX

FOR MEN'S AND BOYS' SHOES, OXFORDS, SLIPPERS, MOCCASINS, AND BOOTS, MADE OF LEATHER, FABRIC, RUBBER, PLASTICS, AND COMBINATIONS THEREOF.

Claims use since October 1940.

436,782. (CLASS 39. CLOTHING.) STAY-IN-FORM FOUNDATIONS, New York, N. Y., assignor to K & S Corset Manufacturing Co., Inc., New York, N. Y., a corporation of New York. Filed Oct. 2, 1946. Serial No. 510,122.

LADDER-BAND
Waist Line Control

FOR FOUNDATION GARMENTS.
Claims use since 1942.

436,783. (CLASS 39. CLOTHING.) EILEEN-JOY FASHIONS, INC., New York, N. Y. Filed Oct. 10, 1946. Serial No. 510,578.

CARRIE WRIGHT

FOR LADIES', JUNIOR MISSES', AND MISSES' MATERNITY DRESSES, SUN DRESSES, BLOUSES, SUITS, AND OUTER SKIRTS.
Claims use since July 1, 1946.

436,784. (CLASS 12. CONSTRUCTION MATERIALS.) H. D. HUDSON MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 11, 1946. Serial No. 510,687.

HUDSON

FOR ANIMAL STALLS, PARTITIONS, CATTLE PEN PANELS AND COLUMNS CONSTRUCTED OF METAL, WOOD OR A COMBINATION THEREOF.
Claims use since 1930.

436,785. (CLASS 39. CLOTHING.) AFFILIATED RETAILERS, INC., New York, N. Y. Filed Oct. 25, 1946. Serial No. 511,436.

ARTUFF

FOR MEN'S AND BOYS' WORK CLOTHING—NAMELY, SHIRTS, PANTS, OVERALLS, AND DUNGAREES.
Claims use since Aug. 15, 1946.

436,786. (CLASS 37. PAPER AND STATIONERY.)
LEE PAPER COMPANY, Vicksburg, Mich. Filed Dec. 3,
1946. Serial No. 515,121.

VICKSBURG VELLUM

FOR SUPER, SUEDE-LIKE TEXT AND PAPETERIE
PAPER AND PASTED BRISTOL.
Claims use since Nov. 1, 1945.

436,787. (CLASS 39. CLOTHING.) AFFILIATED RE-
TAILERS, INC., New York, N. Y. Filed Feb. 20, 1947.
Serial No. 517,809.

Ann Rowe

LADIES', MISSES', AND CHILDREN'S DRESSES,
BLOUSES, SUITS, COATS, SLACK SETS, SKIRTS,
JACKETS, RAINCOATS, SWEATERS, HOSIERY, SLIPS,
PANTIES, AND BRASSIÈRES.
Claims use since Apr. 1, 1946.

436,788. (CLASS 1. RAW OR PARTLY PREPARED
MATERIALS.) EAGLE-OTTAWA LEATHER COMPANY,
Grand Haven, Mich. Filed May 22, 1947. Serial No.
522,819.

DOVER GRAIN

FOR LEATHER.
Claims use since January 1935.

436,789. (CLASS 27. HOROLOGICAL INSTRUMENTS.)
BELMONT WATCH COMPANY, New York, N. Y. Filed June
20, 1947. Serial No. 524,520.

BELMONT

FOR WATCHES.
Claims use since Aug. 1, 1944.

ACT OF 1946. SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

500,003. (CLASS 39. CLOTHING.) REINIS COAT & SUIT
Co., Inc., New York, N. Y. Filed Aug. 8, 1947. Serial
No. 530,847.

Ann Tyler

FOR LADIES' COATS, SUITS, SKIRTS, JACKETS
AND TOPPERS.
Claims use since July 1, 1946.

TRADE-MARK REGISTRATIONS RENEWED

30,606. "EUREKA FIRE HOSE" ETC. AND REPRE-
SENTATIONS OF AN EAGLE, HYDRANT AND HOSE.
Registered Oct. 5, 1897. Eureka Fire Hose Co. Re-re-
newed Oct. 5, 1947, to United States Rubber Company,
New York, N. Y., a corporation of New Jersey. HY-
DRAULIC HOSE. Class 35.

30,632. ROYAL. Registered Oct. 5, 1897. W. A. Ross
& Sons, Limited, Belfast, Ireland, a company incorpo-
rated under the laws of the United Kingdom of Great
Britain and Northern Ireland. Re-renewed Oct. 5, 1947.
GINGER-ALE, ORANGEADE, AND SODA-WATER.
Class 45.

30,633. "ROSS'S ROYAL" ETC. AND DESIGN LINED
FOR RED, GREEN, BLUE AND WHITE. Registered
Oct. 5, 1897. W. A. Ross & Sons, Limited, Belfast, Ire-
land, a company incorporated under the laws of the
United Kingdom of Great Britain and Northern Ireland.
Re-renewed Oct. 5, 1947. GINGER-ALE, AND SODA-
WATER. Class 45.

59,942. CLIMAX. Registered Jan. 22, 1907. The New
Home Sewing Machine Company, Orange, Mass., as-
signor to The New Home Sewing Machine Company.
Re-renewed Jan. 22, 1947, to The New Home Sewing
Machine Company, Rockford, Ill., a corporation of Illi-
nois. SEWING-MACHINES AND ATTACHMENTS.
Class 23.

59,943. "NEW HOME" AND REPRESENTATION OF A
DOG. Registered Jan. 22, 1907. The New Home Sewing
Machine Company, Orange, Mass., assignor to The
New Home Sewing Machine Company. Re-renewed Jan.
22, 1947, to The New Home Sewing Machine Company,
Rockford, Ill., a corporation of Illinois. SEWING-
MACHINES AND ATTACHMENTS. Class 23.

59,950. "NEW DEAL" AND DESIGN. Registered Jan.
22, 1907. The New Home Sewing Machine Company,
Orange, Mass., assignor to The New Home Sewing Ma-
chine Company. Re-renewed Jan. 22, 1947, to The New
Home Sewing Machine Company, Rockford, Ill., a cor-
poration of Illinois. SEWING-MACHINES AND AT-
TACHMENTS. Class 23.

59,952. RUBY. Registered Jan. 22, 1907. The New
Home Sewing Machine Company, Orange, Mass., as-
signor to The New Home Sewing Machine Company.
Re-renewed Jan. 22, 1947, to The New Home Sewing
Machine Company, Rockford, Ill., a corporation of
Illinois. SEWING-MACHINES AND ATTACHMENTS.
Class 23.

59,953. PAN-AMERICAN. Registered Jan. 22, 1907.
The New Home Sewing Machine Company, Orange,
Mass., assignor to The New Home Sewing Machine
Company. Re-renewed Jan. 22, 1947, to The New Home
Sewing Machine Company, Rockford, Ill., a corporation
of Illinois. SEWING-MACHINES AND ATTACH-
MENTS. Class 23.

60,079. "PAN-AMERICAN SEWING MACHINE" AND
DESIGN. Registered Jan. 29, 1907. The New Home
Sewing Machine Company, Orange, Mass., assignor to
The New Home Sewing Machine Company. Re-renewed
Jan. 29, 1947, to The New Home Sewing Machine Com-
pany, Rockford, Ill., a corporation of Illinois. SEW-
ING-MACHINES AND ATTACHMENTS. Class 23.

60,080. HOME. Registered Jan. 29, 1907. The New
Home Sewing Machine Company, Orange, Mass., as-
signor to The New Home Sewing Machine Company.
Re-renewed Jan. 29, 1947, to The New Home Sewing
Machine Company, Rockford, Ill., a corporation of Illi-
nois. SEWING-MACHINES AND ATTACHMENTS.
Class 23.

64,447. "S" IN AN ELLIPSE. Registered Aug. 6, 1907.
Geo. O. Street & Sons. Re-renewed Aug. 6, 1947, to
Geo. O. Street & Sons, Inc., New York, N. Y., a corpora-
tion of New York. FINGER-RINGS, FOBS, SEALS,
CHARMS; AND OTHER NAMED JEWELRY ITEMS.
Class 28.

65,092. EUREKA. Registered Sept. 10, 1907. Colum-
bian Rope Company, Auburn, N. Y., a corporation of
New York. Re-renewed Sept. 10, 1947. ROPE, CABLE,
TARRED LATH AND FODDER YARNS AND COM-
MERCIAL TWINES OF HARD OR SOFT FIBER
OTHER THAN COTTON. Class 7.

65,279. P. & B. Registered Sept. 17, 1907. The Paraffine
Paint Co. Re-renewed Sept. 17, 1947, to The Paraffine
Paint Companies, Inc., San Francisco, Calif., a cor-
poration of Delaware. PAINT AND PAINT COM-
POUNDS FOR PROTECTIVE AND PRESERVATIVE
PURPOSES. Class 16.

65,301. RHOMNOL. Registered Sept. 17, 1907. Maurice
Leprince. Re-renewed Sept. 17, 1947, to Societe a Re-
sponsabilite Limitee Laboratoires du Dr. Maurice Le-
prince, Paris, France, a corporation organized under
the laws of the Republic of France. PILLS FOR THE
CURE OF DYSCRASICAL AND DYSTROPHICAL
DISEASES. Class 6.

65,400. "GOLDEN SEAL" ETC. AND DRAWING. Reg-
istered Sept. 24, 1907. Kansas Milling Company, Inc.,
Wichita, Kans., a corporation of Kansas. Re-renewed
Sept. 24, 1947. WHEAT-FLOUR. Class 46.

65,760. BELL ROCK. Registered Oct. 22, 1907. Robin-
son Bros. & Company Incorporated, Portland, Maine,
and Malden, Mass. Re-renewed Oct. 22, 1947, to Robin-
son Bros. & Company Incorporated, Malden, Mass., a
corporation of Maine. SOAP. Class 4.

66,560. MINWAX. Registered Dec. 10, 1907. Clifford
L. Miller & Co. Re-renewed Dec. 10, 1947, to Minwax
Company, Inc., New York, N. Y., a corporation of New
York. PRESERVATIVE PAINTS IN LIQUID OR
PASTE FORM. Class 16.

66,927. BUNNELL. Registered Jan. 7, 1908. J. H.
Bunnell & Co., New York, N. Y. Re-renewed Jan. 7, 1948,
to J. H. Bunnell & Company, Brooklyn, N. Y., a corpora-
tion of New York. TELEGRAPHIC APPARATUS AND
ELECTRIC BATTERIES. Class 21.

67,044. BUNNY. Registered Jan. 14, 1908. The Esmond
Mills, Enfield, R. I. Re-renewed Jan. 14, 1948, to The
Esmond Mills, Incorporated, Esmond, R. I., a corpora-
tion of Delaware. BLANKETS. Class 42.

67,092. "COMMERCIAL C" AND REPRESENTATION
OF AN URN. Registered Jan. 14, 1908. The Com-
mercial Shirt Co. Re-renewed Jan. 14, 1948, to The
Commercial Shirt Corp., New York, N. Y., a corporation
of New York. OUTER SHIRTS OF TEXTILE MATE-
RIAL. Class 39.

67,096. CLINICAL EXCERPTS. Registered Jan. 14,
1908. Farbenfabriken of Elberfeld Co. Re-renewed
Jan. 14, 1948, to Winthrop Chemical Company, Inc.,
New York, N. Y., a corporation of New York. MEDICAL
MAGAZINE. Class 38.

67,327. "ELF" AND REPRESENTATION OF FAIRY-
LIKE FIGURE. Registered Jan. 28, 1908. Godfrey L.
Cabot. Re-renewed Jan. 28, 1948, to Godfrey L. Cabot,
Inc., Boston, Mass., a corporation of Massachusetts.
CARBON-BLACK, LAMPBLACK AND GAS-BLACK.
Class 16.

67,746. MANDARIN. Registered Feb. 18, 1908. M. C.
Migel & Co. Re-renewed Feb. 18, 1948, to National
Mallinson Fabrics Corporation, New York, N. Y., a cor-
poration of Delaware. BROAD SILKS. Class 42.

67,748. PAGODA. Registered Feb. 18, 1908. M. C. Migel
& Co. Re-renewed Feb. 18, 1948, to National Mallinson
Fabrics Corporation, New York, N. Y., a corporation of
Delaware. BROAD SILKS. Class 42.

67,796. BLACK PRINCE. Registered Feb. 18, 1908.
Norvell-Shapleigh Hardware Company. Re-renewed Feb.
18, 1948, to Shapleigh Hardware Company, St. Louis,
Mo., a corporation of Missouri. AXES, HATCHES,
COLD-CHISELS, SCYTHES, GRASS-HOOKS, HEDGE-
TRIMMERS, CORN-KNIVES, AND RAZORS. Class 23.

67,797. BLACK PRINCE. Registered Feb. 18, 1908.
Norvell-Shapleigh Hardware Company. Re-renewed
Feb. 18, 1948, to Shapleigh Hardware Company, St.
Louis, Mo., a corporation of Missouri. SCOOPS. Class
23.

67,798. REPRESENTATION OF HEAD OF EDGE-
TOOL. Registered Feb. 18, 1908. Simmons Hardware
Company. Re-renewed Feb. 18, 1948, to Shapleigh
Hardware Company, St. Louis, Mo., a corporation of
Missouri. ADZES, CUTTING TOOLS OF AWL AND
TOOL SETS, AXES, NUT AUGERS, SHIP AUGERS,
AUGER BIT SETS; AND OTHER NAMED CUTLERY
AND EDGE TOOLS. Class 23.

67,825. "SEA-LION" ETC. AND REPRESENTATION OF A SEAL. Registered Feb. 18, 1908. Chicago Belting Company. Re-renewed Feb. 18, 1948, to Chicago Belting Company, Chicago, Ill., a corporation of Delaware. LEATHER BELTING. Class 35.

67,856. "KEEN KUTTER" AND DESIGN. Registered Feb. 25, 1908. Simmons Hardware Company. Re-renewed Feb. 25, 1948, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. HAMMERS, SCREW DRIVER BITS, BIT BRACES, BRACE JAWS, CARPENTERS' PINCH BARS, CARPENTERS' WRECKING BARS, AND OTHER NAMED HAND TOOLS. Class 23.

67,934. "HEINZ 57 VARIETIES" AND REPRESENTATION OF A CUCUMBER ENCLOSED BY A CIRCULAR OUTLINE COLORED RED. Registered Feb. 25, 1908. H. J. Heinz Company, Allegheny, Pa. Re-renewed Feb. 25, 1948, to H. J. Heinz Company, Pittsburgh, Pa., a corporation of Pennsylvania. PICKLES, CHOW-CHOW, SAUER-KRAUT, PICKLED ONIONS, VINEGAR, BAKED BEANS, SOUP, CATCHUP AND OTHER FOOD ITEMS. Class 46.

68,001. DIAMOND EDGE. Registered Mar. 3, 1908. Norvell-Shapleigh Hardware Company. Re-renewed Mar. 3, 1948, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. LAWN-MOWERS. Class 23.

68,011. DIAMOND EDGE. Registered Mar. 3, 1908. Norvell-Shapleigh Hardware Company. Re-renewed Mar. 3, 1948, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. HAMMERS. Class 23.

68,013. DIAMOND EDGE. Registered Mar. 3, 1908. Norvell-Shapleigh Hardware Company. Re-renewed Mar. 3, 1948, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. PICKS, GRUB-HOES, TROWELS, SHOVELS, AND SPADES. Class 23.

68,029. "THE D F B CO." AND DESIGN LINED FOR RED. Registered Mar. 3, 1908. The D. F. Briggs Co. Re-renewed Mar. 3, 1948, to Briggs, Bates & Bacon Company, Attleboro, Mass., a corporation of Massachusetts. CHAINS FOR PERSONAL ADORNMENT. Class 28.

68,052. DIAMOND EDGE. Registered Mar. 3, 1908. Norvell-Shapleigh Hardware Company. Re-renewed Mar. 3, 1948, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. ICE-SKATES. Class 22.

68,123. BLACK PRINCE. Registered Mar. 10, 1908. Norvell-Shapleigh Hardware Company. Re-renewed Mar. 10, 1948, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. SHOTGUNS. Class 9.

183,893. CORDEAU BICKFORD. Registered May 6, 1924. The Ensign-Bickford Company, Simsbury, Conn., a corporation of Connecticut. Renewed Jan. 5, 1948 (Supplemental Register). DETONATING FUSE. Class 9.

183,894. CORDEAU. Registered May 6, 1924. The Ensign-Bickford Company, Simsbury, Conn., a corporation of Connecticut. Renewed Jan. 5, 1948 (Supplemental Register). DETONATING FUSE. Class 9.

198,013. REPRESENTATION OF A MAN, ETC. Registered Apr. 28, 1925. Société L'Aliment Essentiel, Nanterre, France, a corporation organized under the laws of the Republic of France. Renewed Apr. 28, 1945 (as provided by P. L. 517, July 17, 1946). PREPARED FOODS FOR INFANTS AND INVALIDS. Class 46.

199,875. GRISON. Registered June 16, 1925. Société Anonyme Des Anciens Etablissements A. Combe & Fils & Cie. Renewed June 16, 1945 (as provided by P. L. 517, July 17, 1946), to Anciens Etablissements A. Combe & Fils & Cie. (Société Anonyme), Paris, France, a corporation organized under the laws of the Republic of France. SKINS AND LEATHERS OF ALL KINDS AND QUALITIES. Class 1.

213,130. "L'EXCELSIOR DEGLI ANTIPASTI" ETC. AND DRAWING. Registered May 18, 1926. Fratelli Garosci Di Glo. Renewed May 18, 1946, to Fratelli Garosci Di Glo, Turin, Italy. ANTIPASTO. Class 46.

219,928. CORBEILLE RÉCAMIER. Registered Oct. 26, 1926. Veuve Felix Ferrero, née Blanche Denise Willmann, Paris, France. Renewed Oct. 26, 1946. BREAST SUPPORTER. Class 39.

226,288. "NYKO" AND REPRESENTATION OF TOOTH ETC. Registered Apr. 5, 1927. Nyko Laboratories. Renewed Apr. 5, 1947, to Nyko, Incorporated, Chicago, Ill., a corporation of Illinois. CLEANSER FOR DENTURES. Class 4.

229,922. "DESCHIENS" AND DESIGN. Registered July 12, 1927. Edmond Deschiens. Renewed July 12, 1947, to Edmond Deschiens & Cie, Paris, France, a corporation organized under the laws of France. MEDICINAL PREPARATIONS OF HAEMOGLOBIN USED FOR THE TREATMENT OF ANAEMIAS, DEBILITATED CONDITIONS AND OTHER EVIDENCES OF HAEMOGLOBIN DEFICIENCY. Class 6.

229,935. SCENIC DESIGN WITH REPRESENTATION OF A HUGE ROCK ETC. AND INDIAN MAIDEN IN THE FOREGROUND. Registered July 12, 1927. Henry Woertz. Renewed July 12, 1947, to Glen Rock Bottling Works, Waukegan, Ill., a firm. GINGER ALE AND NONALCOHOLIC MALTLESS BEVERAGES, SOLD AS SOFT DRINKS. Class 45.

231,272. ANDORA. Registered Aug. 16, 1927. Androscoggin Mills. Renewed Aug. 16, 1947, to Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine. TEXTILE SHEETS AND PILLOWCASES. Class 42.

231,650. MARIVONNE. Registered Aug. 23, 1927. Enterprise Chemical Co., doing business as Maison Marivonne, St. Louis, Mo. Renewed Aug. 23, 1947, to C. B. Brockett, doing business as Enterprise Chemical Company, Troy, Mo. PERFUME, TOILET WATER, SHAMPOO, FACE CREAM, DEPILETORY, FACE LOTION, AND OTHER NAMED TOILETRIES. Class 6.

231,686. DIANA. Registered Aug. 23, 1927. Taylor & Co., Inc. Renewed Aug. 23, 1947, to Krementz & Company, Newark, N. J., a corporation of New Jersey. WATCH BRACELETS, LOZNETTE CHAINS, FINGER RINGS, NECKLACES AND OTHER NAMED JEWELRY AND PRECIOUS METAL WARE. Class 28.

232,287. HANSA. Registered Sept. 6, 1927. Harry Lavin, Canton, Ohio, assignor to The Griffith Laboratories, Inc. Renewed Sept. 6, 1947, to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois. PICKLING SALT, A PREPARATION USED IN THE CURING OF MEATS. Class 6.

232,288. PRAGUE-HANSA. Registered Sept. 6, 1927. Harry Lavin, Canton, Ohio, assignor to The Griffith Laboratories, Inc. Renewed Sept. 6, 1947, to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois. PICKLING SALT, A PREPARATION USED IN THE CURING OF MEATS. Class 6.

232,295. "LOOMFIBRE" AND DIAMOND-SHAPED OUTLINE. Registered Sept. 6, 1927. W. H. Loomis Talc Corporation, Gouverneur, N. Y., a corporation of New York. Renewed Sept. 6, 1947. GRITLESS SHORT-FIBER PAPER FILLER ESPECIALLY PREPARED FOR THE PAPER INDUSTRY, AND TO BE USED WITH OTHER RAW MATERIALS IN THE MANUFACTURE OF PAPER. Class 1.

232,646. ROSELLA. Registered Sept. 13, 1927. Forstmann & Huffmann Company. Renewed Sept. 13, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

232,687. TOPSY BARBECUE DRESSING. Registered Sept. 13, 1927. Theonett & Co., Chicago, Ill., a corporation of Illinois. Renewed Sept. 13, 1947. TABLE SAUCE OR DRESSING USED FOR MEATS, GRAVIES, SOUPS, GAME, ETC. Class 46.

232,712. FIGURE OF OWL ON MORTAR HOLDING PESTLE. Registered Sept. 13, 1927. The Owl Drug Company, San Francisco, Calif. Renewed Sept. 13, 1947, to The Owl Drug Co., Los Angeles, Calif., a corporation of Nevada. PREPARATION FOR DESTROYING INSECTS AND VERMIN, BRONCHIAL TROCHES, COCONUT-OIL SHAMPOO, AND CERTAIN MEDICINES AND PHARMACEUTICAL PREPARATIONS. Class 6.

232,740. "GARFO" AND DESIGN. Registered Sept. 13, 1927. Frank Garfinkel, doing business as Garfo Chemical Co., New York, N. Y. Renewed Sept. 13, 1947. MOUTH WASH, CATARRHAL CREAM, HEALING LIQUID, EYE WASH, AND OTHER NAMED PHARMACEUTICAL PREPARATIONS. Class 6.

233,380. TARANA. Registered Sept. 27, 1927. Forstmann & Huffmann Company. Renewed Sept. 27, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,381. STARLEEN. Registered Sept. 27, 1927. Forstmann & Huffmann Company. Renewed Sept. 27, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,384. MELVA. Registered Sept. 27, 1927. Forstmann & Huffmann Company. Renewed Sept. 27, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,386. ETTEREEN. Registered Sept. 27, 1927. Forstmann & Huffman Company. Renewed Sept. 27, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,404. IVORIA. Registered Sept. 27, 1927. Forstmann & Huffmann Company. Renewed Sept. 27, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,405. GORDA. Registered Sept. 27, 1927. Forstmann & Huffmann Company. Renewed Sept. 27, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,498. JUILLURA. Registered Oct. 4, 1927. The Atlantic Mills, Olneyville, R. I. and Stottville, N. Y. Renewed Oct. 4, 1947, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. WOOLEN TEXTILE FABRICS IN THE PIECE. Class 42.

233,514. ELFEEN. Registered Oct. 4, 1927. Forstmann & Huffmann Company. Renewed Oct. 4, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,562. JUVELAINE. Registered Oct. 4, 1927. The Atlantic Mills, Olneyville, R. I. Renewed Oct. 4, 1947, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. WOOLEN DRESS GOODS IN THE PIECE. Class 42.

233,609. KASHENTA. Registered Oct. 4, 1927. Forstmann & Huffmann Company. Renewed Oct. 4, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,610. KASHILLA. Registered Oct. 4, 1927. Forstmann & Huffmann Company. Renewed Oct. 4, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,643. "COLTROCK" ETC. Registered Oct. 4, 1927. Colt's Patent Fire Arms Manufacturing Co. Renewed Oct. 4, 1947, to Colt's Manufacturing Company, Hartford, Conn., a corporation of Connecticut. PHENOLIC CONDENSATION COMPOUNDS. Class 8.

233,726. DUPLEX. Registered Oct. 11, 1927. The Consolidated Iron-Steel Manufacturing Company. Renewed Oct. 11, 1947, to The Consolidated Iron-Steel Manufacturing Company of 1932, Cleveland, Ohio. JOIST HANGERS, WALL HANGERS, POST CAPS AND BASES. Class 12.

233,734. "KAHN'S AMERICAN BEAUTY" AND DESIGN. Registered Oct. 11, 1927. The E. Kahn's Sons Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Oct. 11, 1947. LARD. Class 46.

233,736. SPEED KING. Registered Oct. 11, 1927. Kohler Die & Specialty Company, De Kalb, Ill. Renewed Oct. 11, 1947, to Frantz Manufacturing Company, Sterling, Ill., a corporation of Illinois. ROLLER SKATES. Class 22.

233,775. "KENTUCKY BLUE FLAME" ETC. AND REPRESENTATION OF A FLAMING TORCH. Registered Oct. 11, 1927. General Coal Company, Cincinnati, Ohio. Renewed Oct. 11, 1947, to General Coal Company, Philadelphia, Pa., a corporation of Delaware. COAL. Class 1.

233,840. ALGEREEN. Registered Oct. 11, 1927. Forstmann & Huffmann Company. Renewed Oct. 11, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,841. NYMPHEEN. Registered Oct. 11, 1927. Forstmann & Huffmann Company. Renewed Oct. 11, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,842. SANDRA. Registered Oct. 11, 1927. Forstmann & Huffmann Company. Renewed Oct. 11, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

233,880. "MADELIA'S BEST" AND DESIGN. Registered Oct. 11, 1927. Big Diamond Mills Company. Renewed Oct. 11, 1947, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

233,904. "PEANUTINE" AND REPRESENTATION OF PEANUT. Registered Oct. 11, 1927. Sears & Hinchliffe, Old Orchard, Maine. Renewed Oct. 11, 1947, to Sears and Hinchliffe, Old Orchard Beach, Maine, a partnership. CANDY. Class 46.

233,945. "SLL" AND DESIGN. Registered Oct. 11, 1927. Industria Marmellate e Conserve Alimentari. Renewed Oct. 11, 1947, to Società Ligure Lombarda per Industrie Marmellate e Conserve Alimentari, Voghera, Italy, a corporation organized under the laws of Italy. PRESERVED FRUITS. Class 46.

234,282. PYRAMID. Registered Oct. 18, 1927. The Associated Portland Cement Manufacturers, Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Oct. 18, 1947. PORTLAND CEMENT. Class 12.

234,393. WEIGHED. Registered Oct. 25, 1927. The Air-Scale Company, Toledo and Delta, Ohio. Renewed Oct. 25, 1947, to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland. METALLIC VALVES TOGETHER WITH FITTINGS AND CONNECTIONS THEREFOR. Class 13.

- 234,435. "DECO" AND HEAVY UNDERLINE. Registered Oct. 25, 1927. Gregory J. Deck, doing business as Deco Refreshments. Renewed Oct. 25, 1947, to Deco Restaurants Inc., Buffalo, N. Y., a corporation of New York. FINGER ROLLS, SANDWICH ROLLS, WIENERS, MINCED MEAT, PICKLES, PICKLE RELISH. Class 46.
- 234,437. "UNION HARDWARE COMPANY" AND DESIGN. Registered Oct. 25, 1927. Union Hardware Company, Torrington, Conn., a corporation of Connecticut. Renewed Oct. 25, 1947. TAPERED AND TEMPERED STEEL TUBING FOR GOLF-CLUB SHAFTS, AND NAMED HARDWARE, PLUMBING AND STEAM-FITTING SUPPLIES. Class 13.
- 234,730. BABY BRAND. Registered Nov. 1, 1927. Vincent J. Squillante, New York, N. Y. Renewed Nov. 1, 1947. FRESH FRUITS—VIZ., CASABA AND HONEYDEW MELONS AND CANTALOUPES, OLIVES; AND FRESH VEGETABLES NAMED THEREIN. Class 46.
- 235,080. "WEATHERALL" AND IRREGULAR LINED OUTLINE. Registered Nov. 8, 1927. Grushlaw and Sichel, Philadelphia, Pa. Renewed Nov. 8, 1947, to Leopold Morse Company, Boston, Mass., a corporation of Massachusetts. KNIT JACKETS. Class 39.
- 236,306. REPRESENTATION OF A TOWER. Registered Dec. 6, 1927. Clark, Son & Morland, Limited, Glastonbury, England, a corporation organized under the laws of the United Kingdom. Renewed Dec. 6, 1947. SKIN RUGS AND MATS OF THE NATURE OF CARPETS, SKIN PERAMBULATOR RUGS AND ROBES, SKIN MOTOR RUGS, AND SKIN FOOT MUFFS FOR SLEIGHS. Class 50.
- 236,354. ARC. Registered Dec. 13, 1927. Clarence E. Fort, doing business as The American Remedies Company, Rockford, Ill. Renewed Dec. 13, 1947, to Larre Laboratories, Inc., Denver, Colo., a corporation of Colorado. EPILEPSY, DYSPESIA, AND LAXATIVE MEDICINES. Class 6.
- 236,506. CHEEKIE PORKEE. Registered Dec. 13, 1927. The Wm. Schludenberg-T. J. Kurlie Co., Baltimore, Md., a corporation of Maryland. Renewed Dec. 13, 1947. CURED PORK, WHICH AFTER CURING IS PLACED IN A MOLD AND COOKED, THE SAME BEING COMPOSED OF PIG JOWLS PREPARED IN A MOLD. Class 46.
- 236,726. GENCO. Registered Dec. 20, 1927. General Coal Company, Cincinnati, Ohio. Renewed Dec. 20, 1947, to General Coal Company, Philadelphia, Pa., a corporation of Delaware. COAL. Class 1.
- 236,907. "A. M. C." AND DIAMOND DESIGN. Registered Dec. 27, 1927. Associated Merchandising Corporation. Renewed Dec. 27, 1947, to The Associated Merchandising Corporation, New York, N. Y., a corporation of New York. PAJAMAS. Class 39.
- 236,936. "GOLD STAR" AND REPRESENTATION OF A STAR. Registered Dec. 27, 1927. Allen Shirt Co. Renewed Dec. 27, 1947, to Washington Manufacturing Co., Nashville, Tenn., a corporation of Tennessee. WORK SHIRTS, DRESS SHIRTS; BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS AND BLOUSES, OVERALLS, AND ONE-PIECE PLAY SUITS. Class 39.
- 236,937. "SILVER STAR" AND REPRESENTATION OF A STAR. Registered Dec. 27, 1927. Allen Shirt Co. Renewed Dec. 27, 1947, to Washington Manufacturing Co., Nashville, Tenn., a corporation of Tennessee. WORK SHIRTS, DRESS SHIRTS; BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS AND BLOUSES, OVERALLS, AND ONE-PIECE PLAY SUITS. Class 39.
- 237,089. REPRESENTATION OF OVAL BORDER DESIGN. Registered Jan. 3, 1928. Burson Knitting Company, Rockford, Ill., a corporation of Illinois. Renewed Jan. 3, 1948. HOSIERY. Class 39.
- 237,390. E D CO IN MONOGRAM. Registered Jan. 10, 1928. Electro-Dynamic Company, New York, N. Y. Renewed Jan. 10, 1948, to Electric Boat Company, Groton, Conn., a corporation of New Jersey. ELECTRIC MOTORS. Class 21.
- 237,469. HANDIREF. Registered Jan. 10, 1928. Wilson Jones Company, Chicago, Ill., a corporation of Massachusetts. Renewed Jan. 10, 1948. LOOSE-LEAF BINDERS, LOOSE-LEAF SHEETS THEREFOR. Class 37.
- 237,470. REDIREF. Registered Jan. 10, 1928. Wilson Jones Company, Chicago, Ill., a corporation of Massachusetts. Renewed Jan. 10, 1948. LOOSE-LEAF BINDERS AND LOOSE-LEAF SHEETS THEREFOR. Class 37.
- 237,665. KENTUCKY CLUB. Registered Jan. 17, 1928. John G. Epping, doing business as John G. Epping Bottling Works. Renewed Jan. 17, 1948, to Frank I. Dugan, Executor and Trustee of John G. Epping Estate, doing business as John G. Epping Bottling Works, Louisville, Ky. CARBONATED, NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ., GINGER ALE. Class 45.
- 237,786. "DANE-T-BITS" AND FANCIFUL PICTURE OF A GIRL. Registered Jan. 17, 1928. H. W. Clark Biscuit Company, North Adams, Mass., a corporation of Massachusetts. Renewed Jan. 17, 1948. BISCUITS AND CRACKERS. Class 46.
- 237,807. TEXTO-SYLTEX. Registered Jan. 17, 1928. Belding Heminway Company, New York, N. Y., a corporation of Connecticut. Renewed Jan. 17, 1948. SILK AND COTTON THREADS, TWISTS, ARTIFICIAL EMBROIDERY SILK FLOSSES, AND ARTIFICIAL SILK FLOSSES. Class 43.
- 238,028. WREN. Registered Jan. 24, 1928. R. D. Keene & Co., Eustis, Fla. Renewed Jan. 24, 1948, to R. D. Keene, Inc., Winter Garden, Fla., a corporation of Florida. FRESH CITRUS FRUIT. Class 46.
- 238,122. "MIRIFIC CLEANER" ETC. AND DRAWING LINED FOR RED AND BLUE. Registered Jan. 24, 1928. Fred Madsen, Missoula, Mont. Renewed Jan. 24, 1948. POLISH FOR CLEANING SILVERWARE. Class 4.
- 238,163. MILWIN. Registered Jan. 31, 1928. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Renewed Jan. 31, 1948. WHEAT FLOUR. Class 46.
- 238,236. HEALTH-RAY. Registered Jan. 31, 1928. O. O. Eaton, Watsonville, Calif. Renewed Jan. 31, 1948. FRESH LETTUCE. Class 46.
- 238,396. "BABYLON DORON" AND DESIGN. Registered Feb. 7, 1928. Cosmetique Laboratories of America. Renewed Feb. 7, 1948, to Clyde L. Eaton, doing business as Duvelle's, Portland, Ore. COSMETICS—NAMESLY, CLEANSING CREAM, SKIN-TONIC LOTION, TISSUE CREAM, SPECIAL ASTRINGENT, AND OTHER NAMED PHARMACEUTICAL PREPARATIONS. Class 6.
- 238,620. INCOR. Registered Feb. 14, 1928. International Cement Corporation. Renewed Feb. 14, 1948, to Lone Star Cement Corporation, New York, N. Y., a corporation of Maine. PORTLAND CEMENT. Class 12.
- 238,662. TOLCO. Registered Feb. 14, 1928. The Ohio Leather Company, Girard, Ohio, a corporation of Ohio. Renewed Feb. 14, 1948. LEATHERS. Class 1.
- 238,758. CHERRY MOUNTAIN. Registered Feb. 14, 1928. The Henrietta Mills, Caroleen, N. C. Renewed Feb. 14, 1948, to The Henrietta Mills, Caroleen and Henrietta, N. C.; Cherokee Falls, S. C.; and New York, N. Y., a corporation of North Carolina. FINISHED COTTON GOODS IN THE PIECE. Class 42.

- 238,759. HENRIETTA. Registered Feb. 14, 1928. The Henrietta Mills, Caroleen, N. C. Renewed Feb. 14, 1948, to The Henrietta Mills, Caroleen and Henrietta, N. C.; Cherokee Falls, S. C.; and New York, N. Y., a corporation of North Carolina. FINISHED COTTON GOODS IN THE PIECE. Class 42.
- 238,760. HENRIETTA MILLS. Registered Feb. 14, 1928. The Henrietta Mills, Caroleen, N. C. Renewed Feb. 14, 1948, to The Henrietta Mills, Caroleen and Henrietta, N. C.; Cherokee Falls, S. C.; and New York, N. Y., a corporation of North Carolina. FINISHED COTTON GOODS IN THE PIECE. Class 42.
- 238,816. SILVER FOX. Registered Feb. 14, 1928. The Brearley Company. Renewed Feb. 14, 1948, to B-Z-B Knitting Co., Rockford, Ill., a corporation of Illinois. HOSIERY. Class 39.
- 239,005. "WALKER'S BEANS" AND PICTURESQUE DRAWING. Registered Feb. 21, 1928. Walker Properties Association. Renewed Feb. 21, 1948, to Walker's Austex Chili Company, Austin, Tex., a corporation of Texas. CANNED BEANS WITH CHILE GRAVY. Class 46.
- 239,006. REPRESENTATION OF BEAN POT AND OTHER FEATURES. Registered Feb. 21, 1928. Walker Properties Association. Renewed Feb. 21, 1948, to Walker's Austex Chili Company, Austin, Tex., a corporation of Texas. CANNED BEANS WITH CHILE GRAVY. Class 46.
- 239,013. MOVIE-TONE. Registered Feb. 21, 1928. Fox-Case Corporation. Renewed Feb. 21, 1948, to Movie-tones, Inc., New York, N. Y., a corporation of New York. MOTION PICTURES. Class 26.
- 239,098. "ROB ROY" AND DRAWING. Registered Feb. 21, 1928. American Stores Company, Philadelphia, Pa., a corporation of Delaware. Renewed Feb. 21, 1948. GINGER ALE. Class 45.
- 239,440. J. B. Registered Mar. 6, 1928. Perkins Soap Company, Springfield, Mass., a corporation of Massachusetts. Renewed Mar. 6, 1948. SOAP. Class 4.
- 239,448. IOZENE. Registered Mar. 6, 1928. Brewer & Company, Inc., Worcester, Mass., a corporation of Massachusetts. Renewed Mar. 6, 1948. GERMICIDE. Class 6.
- 239,506. MAZZINI. Registered Mar. 6, 1928. Joseph Di Santo, doing business as Di Santo & Co., Duluth, Minn. Renewed Mar. 6, 1948. CIGARS. Class 17.
- 240,060. SVELDA. Registered Mar. 20, 1928. Aberfoyle Mfg. Co., Chester, Pa., a corporation of Pennsylvania. Renewed Mar. 20, 1948. SYNTHETIC FABRIC IN THE NATURE OF ARTIFICIAL SILK. Class 42.
- 240,346. ROYAL HAWAIIAN LABORATORIES. Registered Mar. 27, 1928. Hans A. Bode, doing business as Royal Hawaiian Laboratories, Honolulu, Territory of Hawaii. Renewed Mar. 27, 1948. MEDICINAL PREPARATIONS FOR THE RELIEF OF HUMAN AILMENTS—NAMESLY, PREPARATION FOR THE RELIEF OF CATARRH, COLDS, AND OTHER NAMED MEDICINES AND PHARMACEUTICAL PREPARATIONS. Class 6.
- 240,361. REPRESENTATION OF A ROSE. Registered Mar. 27, 1928. The Odell Company, Inc., Newark, N. J., a corporation of New Jersey. Renewed Mar. 27, 1948. TOILET REQUISITES—NAMESLY, HAIR TONIC, HAIRDRESSING, SHAMPOO, TOILET WATER, MASSAGE CREAM AND OTHER NAMED TOILETRIES. Class 6.
- 240,404. SWEET MAMMA. Registered Mar. 27, 1928. Eli S. Leffler, doing business as Leffler & Co., St. Louis, Mo. Renewed Mar. 27, 1948. SOAP. Class 4.
- 240,417. "ASPERGUM" AND DESIGN. Registered Mar. 27, 1928. Dillard-Nalle Company. Renewed Mar. 27, 1948, to White Laboratories, Inc., Washington, D. C., a corporation of New Jersey. CHEWING GUM CONTAINING ASPIRIN. Class 6.
- 240,432. B B B B IN MONOGRAM. Registered Mar. 27, 1928. John Blaul's Sons Co., Burlington, Iowa, a corporation of Iowa. Renewed Mar. 27, 1948. TEA, COFFEE, COCOA, SPICES, DRIED FRUIT, CANNED BERRIES, CANNED FRUIT, AND OTHER NAMED FOODS AND INGREDIENTS OF FOODS. Class 46.
- 240,483. DAISY. Registered Mar. 27, 1928. H. Baron & Co. Inc., New York, N. Y. Renewed Mar. 27, 1948. H. Baron & Co. Inc., Linden, N. J., a corporation of New York. NONALCOHOLIC, MALTLESS, CONCENTRATED SYRUPS USED IN THE PREPARATION OF SOFT DRINKS. Class 45.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 206,305. Registered Nov. 24, 1925. E. CLEMENS Houst Co., San Francisco, Calif., a corporation of New Jersey. Republished by registrant.

HOUSEHOLD

FOR HOPS.
Claims use since Sept. 1, 1923.

Reg. No. 212,097. Registered Apr. 27, 1926. THE J. P. BURTON COAL COMPANY, Cleveland, Ohio. Republished by The Guaranty Gas Coal Company, Cleveland, Ohio, a corporation of Ohio.

CALORA

FOR COAL, CARBONIZED FUEL, AND COKE.
Claims use since July 1, 1925.

Reg. No. 216,592. Registered Aug. 17, 1926. E. CLEMENS HORST Co., San Francisco, Calif., a corporation of New Jersey. Republished by registrant.

★★★
THREE STAR

FOR HOPS.
Claims use since Apr. 1, 1914.

Reg. No. 217,023. Registered Aug. 24, 1926. E. CLEMENS HORST Co., San Francisco, Calif., a corporation of New Jersey. Republished by registrant.

ROSE

FOR HOPS.
Claims use since Apr. 1, 1914.

**CLASS 2
RECEPTACLES**

Reg. No. 83,228. Registered Aug. 29, 1911. CROWN-COLUMBIA PULP AND PAPER COMPANY, San Francisco, Calif. Republished by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif., a corporation of Nevada.

COMMANDER

FOR PAPER BAGS.
Claims use since June 1909.

Reg. No. 84,602. Registered Dec. 26, 1911. CROWN-COLUMBIA PULP AND PAPER COMPANY, San Francisco, Calif. Republished by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif., a corporation of Nevada.

OTTER

FOR PAPER BAGS.
Claims use since Mar. 31, 1911.

Reg. No. 153,264. Registered Mar. 14, 1922. NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif. Republished by Crown Zellerbach Corporation, also doing business as National Paper Products Sales Company, San Francisco, Calif., a corporation of Nevada.



FOR PAPER, WOODEN, OR METAL DISPENSING CABINETS FOR PROVIDING PAPER TOWELS FREE TO THE USER, CORRUGATED PAPER BOXES, FIBER CANS, AND SOLID FIBER SHIPPING CASES.

Claims use since Feb. 1, 1917, on dispensing cabinets; since Sept. 1, 1917, on corrugated boxes and containers; since Nov. 1, 1917, on paper cans; and since Jan. 1, 1919, on solid fiber shipping cases.

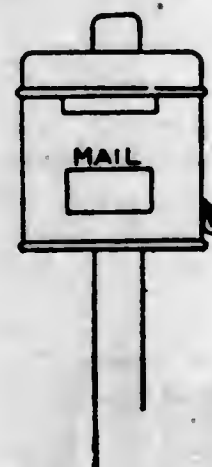
Reg. No. 212,521. Registered May 4, 1926. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif., assignor to Crown Willamette Paper Company, San Francisco, Calif., a corporation of Delaware. Republished by Crown Zellerbach Corporation, also doing business as Crown Willamette Company, San Francisco, Calif., a corporation of Nevada.



**CWP
&**

FOR PAPER BAGS.
Claims use since Jan. 5, 1925.

Reg. No. 218,470. Registered Sept. 28, 1926. THE MASON BOX COMPANY, North Attleboro, Mass., a corporation of Massachusetts. Republished by registrant, present location Attleboro Falls, Mass.



Letter Box

FOR BOXES OF PAPER, PAPER BOARD, BOX BOARD, OR LIKE MATERIAL FOR USE AS CONTAINER OF GOODS, WARES, AND MERCHANDISE.
Claims use since Jan. 10, 1926.

Reg. No. 219,995. Registered Oct. 26, 1926. BEMIS BROS. BAG COMPANY, St. Louis, Mo., and Peoria, Ill., a corporation of Missouri. Republished by registrant, present location St. Louis, Mo.
The words "Bemis," "Trade Mark," "Two-Wall-Four-Ply-Each" are disclaimed.



FOR PAPER BAGS.
Claims use since July 24, 1925.

**CLASS 4
ABRASIVE, DETERGENT, AND POLISHING
MATERIALS**

Reg. No. 206,188. Registered Nov. 24, 1925. JAMES S. KIRK & COMPANY, Chicago, Ill. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

CHEERIO

FOR SOAP POWDER.
Claims use since Apr. 1, 1925.

Reg. No. 207,545. Registered Jan. 5, 1926. JAMES S. KIRK & COMPANY, Chicago, Ill. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

FLAKSO

FOR SOAP CHIPS.
Claims use since Nov. 1, 1924.

Reg. No. 210,436. Registered Mar. 16, 1926. JAMES S. KIRK & COMPANY, Chicago, Ill. Republished by The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio.

Satinet

FOR SOAP.
Claims use since about Oct. 15, 1877.
607 O. G.—28

Reg. No. 210,439. Registered Mar. 16, 1926. WOODLEY SOAP MANUFACTURING COMPANY, Roxbury, Mass. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

CREST

FOR SOAP.
Claims use since Oct. 15, 1908.

Reg. No. 210,592. Registered Mar. 16, 1926. AMERICAN Disinfecting Company, Sedalia, Mo. Republished by Adco, Inc., Sedalia, Mo., a corporation of Missouri.



FOR DRY-CLEANING DETERGENTS.
Claims use since June 1, 1925.

Reg. No. 214,115. Registered June 15, 1926. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

**CREAM
SUDS**

FOR SOAP.
Claims use since July 1, 1906.

Reg. No. 215,151. Registered July 13, 1926. THE RUB-NO-MORE COMPANY, Fort Wayne, Ind. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

RUB-NO-MORE



FOR WASHING POWDER.
Claims use since May 1, 1895.

Reg. No. 217,508. Registered Aug. 31, 1926. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

DYSOLVO

FOR COLLAR AND CUFF SOAP.
Claims use since Mar. 8, 1926.

Reg. No. 222,022. Registered Dec. 21, 1926. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

GRIMEX

FOR CLEANSING COMPOUNDS—NAMELY, WASHING POWDER AND DEGREASER.
Claims use since Jan. 2, 1924.

Reg. No. 222,564. Registered Jan. 4, 1927. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

CAMAY

FOR TOILET AND BATH SOAP.
Claims use since Aug. 24, 1926.

Reg. No. 240,433. Registered Mar. 27, 1928. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

LUNETTE

FOR TOILET AND BATH SOAP.
Claims use since Aug. 31, 1926.

CLASS 6
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 206,610. Registered Dec. 8, 1925. LUTHER FORD & COMPANY, Minneapolis, Minn. Republished by Luther Ford Products Company, Minneapolis, Minn., a corporation of Minnesota.



FOR BLUING.
Claims use since July 30, 1883.

Reg. No. 206,611. Registered Dec. 8, 1925. LUTHER FORD & COMPANY, Minneapolis, Minn. Republished by Luther Ford Products Company, Minneapolis, Minn., a corporation of Minnesota.

STEWART'S

FOR BLUING.
Claims use since July 30, 1883.

Reg. No. 209,739. Registered Mar. 2, 1926. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

IVO

FOR ANTIFREEZE MIXTURE FOR RADIATOR USE.
Claims use since Sept. 17, 1925.

Reg. No. 211,486. Registered Apr. 13, 1926. DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Directions:
To stop pain, take the affected part freely with the hand, and rub it with the thumb and index finger. The pain will be relieved in a few minutes. For under skin or over wounds, draw this liniment with the thumb and index finger. For under skin or over wounds, draw this liniment with the thumb and index finger.

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

All the words except "Del Dottor Pietro," "Dr. Peter's," the facsimile signature "P. Fahrney, M. D.," and the numerals "1780," are disclaimed.
FOR A LINIMENT FOR EXTERNAL USE.
Claims use since some time in the year 1893.

Reg. No. 211,487. Registered Apr. 13, 1926. DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
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PER FLUID OUNCE
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DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

All the words except "Dr. Peter's Ole-Old," the facsimile signature "P. Fahrney, M. D.," and the numerals "1780" are disclaimed.
FOR A LINIMENT FOR EXTERNAL USE.
Claims use since on or about Sept. 12, 1887.

Reg. No. 211,497. Registered Apr. 13, 1926. DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Directions:
To stop pain, take the affected part freely with the hand, and rub it with the thumb and index finger. The pain will be relieved in a few minutes. For under skin or over wounds, draw this liniment with the thumb and index finger. For under skin or over wounds, draw this liniment with the thumb and index finger.

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

All the wording except "Oleolo du Dr. Pierre," "Dr. Peter's Oleolo," the facsimile signature "P. Fahrney, M. D.," and the numerals "1780" are disclaimed.
FOR A LINIMENT FOR EXTERNAL USE.
Claims use since Nov. 1, 1913.

Reg. No. 211,527. Registered Apr. 13, 1926. DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Directions:
To stop pain, take the affected part freely with the hand, and rub it with the thumb and index finger. The pain will be relieved in a few minutes. For under skin or over wounds, draw this liniment with the thumb and index finger. For under skin or over wounds, draw this liniment with the thumb and index finger.

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

DR. PETER'S
OLEOLO
LINIMENT
ALCOHOL 75 PER CENT
CHLOROPHORM 15 PER CENT
PER FLUID OUNCE
Price 60c

All the words except "Dra. Pistra," "Dr. Peter's," the facsimile signature "P. Fahrney, M. D.," and the numerals "1780" are disclaimed.
FOR A LINIMENT FOR EXTERNAL USE.
Claims use since some time in the year 1893.

Reg. No. 211,552. Registered Apr. 13, 1926. DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Reg. No. 211,563. Registered Apr. 13, 1926. DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Directions:

To apply, rub the affected parts freely with the liniment, rubbing evenly with the thumb and index finger. A small amount of the liniment will be sufficient.

For tender skin or open wounds, dilute this liniment with equal parts of water.

For itching, put on the liniment, and rub it in.

Changes in the color of the skin do not affect the quality of the liniment.

For detailed directions see pamphlet enclosed.

Keep this Liniment Away from Fire or Flame.

Keep the bottle well corked in this position.

DR. PETER'S
GENEES-OLE
LINIMENT

ALCOHOL 75 PER CENT
CHLOROPHANE 25 PER CENT
PER FLUID OUNCE

USED EXTENSIVELY BY
DR. PETER FAHRNEY & SONS CO.,
CHICAGO, ILL., FOR THE TREATMENT OF
SKIN AFFECTIONS, SUCH AS
ITCHING, BURNING, AND
TENDERNESS OF THE SKIN.

P. Fahrney, M. D.

DR. PETER FAHRNEY & SONS CO.,
CHICAGO, ILL., U.S.A.

Price 50c

DR. PETER'S
GENEES-OLE
LINIMENT

ALCOHOL 75 PER CENT
CHLOROPHANE 25 PER CENT
PER FLUID OUNCE

USED EXTENSIVELY BY
DR. PETER FAHRNEY & SONS CO.,
CHICAGO, ILL., FOR THE TREATMENT OF
SKIN AFFECTIONS, SUCH AS
ITCHING, BURNING, AND
TENDERNESS OF THE SKIN.

P. Fahrney, M. D.

DR. PETER FAHRNEY & SONS CO.,
CHICAGO, ILL., U.S.A.

Price 50c

All the words except "Dr. Pieter's," "Dr. Peter's," the facsimile signature "P. Fahrney, M. D." and the numerals "1780" are disclaimed.
FOR A LINIMENT FOR EXTERNAL USE.
Claims use since January 1895.

Reg. No. 211,553. Registered Apr. 13, 1926. DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Directions:

To apply, rub the affected parts freely with the liniment, rubbing evenly with the thumb and index finger. A small amount of the liniment will be sufficient.

For tender skin or open wounds, dilute this liniment with equal parts of water.

For itching, put on the liniment, and rub it in.

Changes in the color of the skin do not affect the quality of the liniment.

For detailed directions see pamphlet enclosed.

Keep this Liniment Away from Fire or Flame.

Keep the bottle well corked in this position.

DR. PETER'S
LECIVY OLEJ
LINIMENT

ALCOHOL 75 PER CENT
CHLOROPHANE 25 PER CENT
PER FLUID OUNCE

USED EXTENSIVELY BY
DR. PETER FAHRNEY & SONS CO.,
CHICAGO, ILL., FOR THE TREATMENT OF
SKIN AFFECTIONS, SUCH AS
ITCHING, BURNING, AND
TENDERNESS OF THE SKIN.

P. Fahrney, M. D.

DR. PETER FAHRNEY & SONS CO.,
CHICAGO, ILL., U.S.A.

Price 50c

DR. PETER'S
LECIVY OLEJ
LINIMENT

ALCOHOL 75 PER CENT
CHLOROPHANE 25 PER CENT
PER FLUID OUNCE

USED EXTENSIVELY BY
DR. PETER FAHRNEY & SONS CO.,
CHICAGO, ILL., FOR THE TREATMENT OF
SKIN AFFECTIONS, SUCH AS
ITCHING, BURNING, AND
TENDERNESS OF THE SKIN.

P. Fahrney, M. D.

DR. PETER FAHRNEY & SONS CO.,
CHICAGO, ILL., U.S.A.

Price 50c

All the words except "Dra. Petra," "Dr. Peter's," the facsimile signature "P. Fahrney, M. D." and the numerals "1780" are disclaimed.
FOR A LINIMENT FOR EXTERNAL USE.
Claims use since some time in the year 1894.

All the words except "Forni's," "P. Fahrney, M. D.," and the numerals "1780" are disclaimed.
FOR A LINIMENT FOR EXTERNAL USE.
Claims use since May 2, 1888.

Reg. No. 213,690. Registered June 1, 1926. MALLING-KRODT CHEMICAL WORKS, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

IODEIKON

FOR TETRAIODPHENOLPHTHALEIN SODIUM SALT EMPLOYED FOR X-RAY DIAGNOSIS AND VARIOUS OTHER THERAPEUTIC AND LABORATORY PURPOSES.

Claims use since Apr. 29, 1925.

Reg. No. 213,728. Registered June 1, 1926. MALLING-KRODT CHEMICAL WORKS, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

BROMEIKON

FOR TETRABROMPHENOLPHTHALEIN SODIUM SALT EMPLOYED FOR X-RAY DIAGNOSIS AND VARIOUS OTHER THERAPEUTIC AND LABORATORY PURPOSES.

Claims use since Apr. 29, 1925.

Reg. No. 218,293. Registered Sept. 21, 1926. CARON CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Reg. No. 226,043. Registered Mar. 29, 1927. AMERICAN DISINFECTING COMPANY, Sedalia, Mo. Republished by Adco, Inc., Sedalia, Mo., a corporation of Missouri.



The drawing is lined to indicate the colors black and gold.
FOR PERFUME.
Claims use since May 1924.

Reg. No. 220,902. Registered Nov. 16, 1926. MONSANTO CHEMICAL WORKS, St. Louis, Mo. Republished by Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware.

SANTOCHLOR

FOR INSECTICIDES.
Claims use since Nov. 24, 1925.

Reg. No. 225,941. Registered Mar. 29, 1927. EXCELSO PRODUCTS COMPANY, West Allis, Wis., a corporation of Wisconsin. Republished by registrant.

EXCELSO

FOR PIGMENT COLORING MATERIAL FOR LEATHER AND LEATHER STAINS.
Claims use since Feb. 1, 1924.

Reg. No. 226,042. Registered Mar. 29, 1927. AMERICAN DISINFECTING COMPANY, Sedalia, Mo. Republished by Adco, Inc., Sedalia, Mo., a corporation of Missouri.

OFLYO

FOR INSECTICIDES.
Claims use since 1923.

BUGO

FOR INSECTICIDES AND DISINFECTANTS.
Claims use since 1923.

Reg. No. 226,045. Registered Mar. 29, 1927. AMERICAN DISINFECTING COMPANY, Sedalia, Mo. Republished by Adco, Inc., Sedalia, Mo., a corporation of Missouri.

DYO

FOR DISINFECTANTS AND GERMICIDES.
Claims use since 1923.

Reg. No. 226,047. Registered Mar. 29, 1927. AMERICAN DISINFECTING COMPANY, Sedalia, Mo. Republished by Adco, Inc., Sedalia, Mo., a corporation of Missouri.

WEEVILGO

FOR INSECTICIDES.
Claims use since 1923.

Reg. No. 226,048. Registered Mar. 29, 1927. AMERICAN DISINFECTING COMPANY, Sedalia, Mo. Republished by Adco, Inc., Sedalia, Mo., a corporation of Missouri.

SOLPO

FOR DISINFECTANTS AND GERMICIDES.
Claims use since 1923.

Reg. No. 226,737. Registered Apr. 19, 1927. MANUEL S. VALLEBJULI, doing business as The Picot Company, Buffalo, N. Y. Republished by Picot Laboratories, Inc., Mount Vernon, N. Y., a corporation of Delaware.

Sal de Uvas

FOR PREPARATIONS FOR THE TREATMENT OF INDIGESTION.
Claims use since Jan. 2, 1925.

Reg. No. 241,928. Registered May 8, 1928. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

KILRITE

FOR INSECTICIDES.
Claims use since Mar. 10, 1927.

CLASS 10 FERTILIZERS

Reg. No. 117,838. Registered Aug. 7, 1917. DARLING & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DARLING'S

FOR FERTILIZERS, AND PARTICULARLY FERTILIZERS COMPOSED OF ANIMAL MATTER.
Claims use since 1881.

CLASS 12 CONSTRUCTION MATERIALS

Reg. No. 199,962. Registered June 23, 1925. KEASBEY & MATTISON COMPANY, Ambler, Pa. Republished by Keasbey & Mattison Company (1934), Ambler, Pa., a corporation of Pennsylvania.



The words and language other than the applicant's name are disclaimed.
FOR PIPE COVERING.
Claims use since Sept. 10, 1923.

Reg. No. 216,512. Registered Aug. 10, 1926. ARMSTRONG CORK & INSULATION COMPANY, Pittsburgh, Pa. Republished by Armstrong Cork Company, Manheim Township, Lancaster County, Pa., a corporation of Pennsylvania.

AMF

FOR MASTIC FINISH FOR HEAT-INSULATING MATERIAL.
Claims use since July 28, 1923.

CLASS 13 HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 118,751. Registered Oct. 2, 1917. COLUMBIAN ENAMELING & STAMPING COMPANY, Terre Haute, Ind. Republished by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana.



FOR ENAMELED STEELWARE—VIZ., TEAPOTS, COFFEE-BIGGINS, COFFEE-BOILERS, TEA-KETTLES, KETTLES, COOKERS AND STEAMERS, BASINS, CEREAL-COOKERS, DISH-PANS, ETC.
Claims use since June 1911.

Reg. No. 204,291. Registered Oct. 13, 1925. SPENCER THERMOSTAT COMPANY, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant, present location Attleboro, Mass.

KLIXON

FOR WATER, STEAM, AND GAS VALVES.
Claims use since May 9, 1925.

Reg. No. 246,368. Registered Sept. 4, 1928. CHICAGO SPRING HINGE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

"TRIPLEX"

FOR HINGES.
Claims use since June 1, 1908.

CLASS 14 METALS AND METAL CASTINGS AND FORGINGS

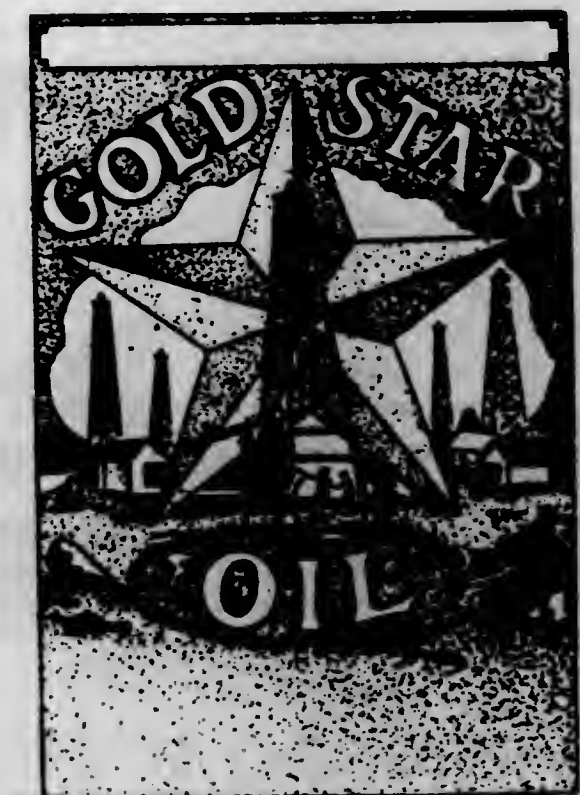
Reg. No. 212,096. Registered Apr. 27, 1926. KLOSTER STEEL CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Brand" and "Swedish Iron" are disclaimed.
FOR IRON.
Claims use since Sept. 23, 1925.

CLASS 15 OILS AND GREASES

Reg. No. 220,525. Registered Nov. 9, 1926. STAR OIL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The word "Oil" is disclaimed.
FOR LUBRICATING OILS.
Claims use since July 1, 1926.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 221,238. Registered Nov. 23, 1926. THE OHIO VARNISH COMPANY, Cleveland, Ohio. Republished by Minnesota Linseed Oil and Paint Company, Minneapolis, Minn., a corporation of Minnesota.

RESISTOL

FOR WHITE ENAMEL PAINT.
Claims use since Mar. 5, 1910.

Reg. No. 226,044. Registered Mar. 29, 1927. AMERICAN DISINFECTING COMPANY, Sedalia, Mo. Republished by Adco, Inc., Sedalia, Mo., a corporation of Missouri.

NO-TRAX

FOR PREPARATIONS FOR POLISHING WOOD FLOORS, LINOLEUMS, OIL-CLOTHS, AND OTHER LIKE FLOOR COVERINGS.
Claims use since 1923.

CLASS 19
VEHICLES

Reg. No. 217,030. Registered Aug. 24, 1926. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Republished by registrant.

M'CORMICK-DEERING

FOR WAGONS AND PARTS THEREOF.
Claims use since Oct. 1, 1922.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 223,736. Registered Feb. 8, 1927. ARMSTRONG CORK COMPANY, Lancaster, Pa., a Pennsylvania corporation. Republished by registrant, present location Mannheim Township, Lancaster County, Pa.

AUTOMATS

FOR COMPOSITION OF OXIDIZED LINSEED OIL ON AN ASPHALTUM IMPREGNATED FELT BASE.
Claims use since Aug. 24, 1926.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 119,596. Registered Nov. 27, 1917. WISCONSIN ELECTRIC COMPANY, Racine, Wis. Republished by The Dumore Company, Racine, Wis., a corporation of Wisconsin.

DUMORE

FOR ELECTRIC POLISHERS AND BUFFERS, PORTABLE ELECTRIC GRINDERS, AND PORTABLE ELECTRIC DRILLS.
Claims use since the spring of 1913.

Reg. No. 218,967. Registered Oct. 5, 1926. THE AUTOCALL COMPANY, Shelby, Ohio, a corporation of Ohio. Republished by registrant.

"Executive"

FOR APPARATUS AND EQUIPMENT FOR USE IN PAGING SERVICE.
Claims use since May 17, 1926.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 116,264. Registered Apr. 17, 1917. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

ARROW

FOR GOLF BALLS.
Claims use since Mar. 30, 1916.

Reg. No. 117,625. Registered July 17, 1917. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

GOLDEN KING

FOR GOLF BALLS.
Claims use since Apr. 11, 1916.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 119,899. Registered Dec. 18, 1917. KELLY AXE MANUFACTURING COMPANY, Charleston, W. Va. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

PERFECT

FOR AXES, HATCHETS, SCYTHES, HAMMERS, AND HICKORY HANDLES FOR AXES, HATCHETS, HAMMERS AND OTHER TOOLS.
Claims use since 1889.

Reg. No. 210,536. Registered Mar. 16, 1926. E. C. ATKINS AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

JUNIOR MECHANIC

FOR HANDSAWS.
Claims use since Jan. 11, 1923.

Reg. No. 210,847. Registered Mar. 23, 1926. KELLY AXE AND TOOL COMPANY, Charleston, W. Va. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.



The representation of the axe is disclaimed. The drawing is lined for blue.
FOR AXES AND HATCHETS.
Claims use since during the year 1889.

Reg. No. 214,035. Registered June 8, 1926. LEACH COMPANY, Oshkosh, Wis., a corporation of Wisconsin. Republished by registrant.

OSHKOSH

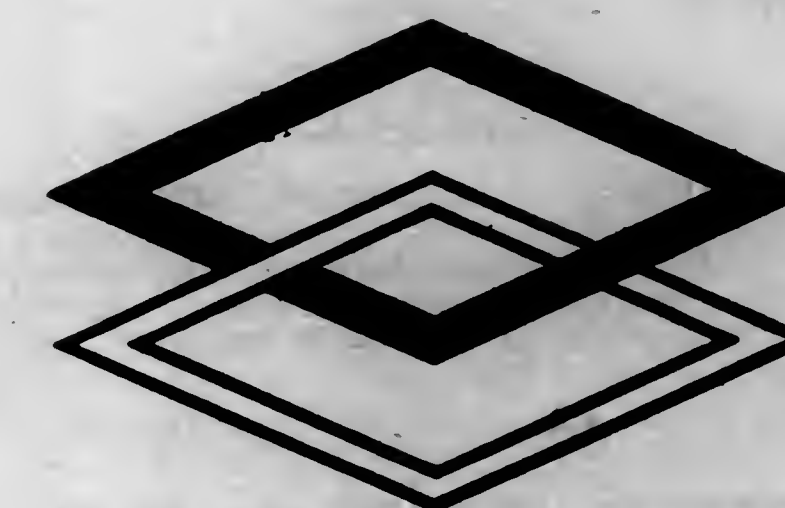
FOR LOGGING TOOLS AND ELECTRICAL POLE-LINE CONSTRUCTION TOOLS.
Claims use since 1914.

Reg. No. 215,210. Registered July 13, 1926. LINCOLN STEEL & FORGE COMPANY, St. Louis, Mo. Republished by Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri.

AIRLINE

FOR LUBRICATING APPARATUS.
Claims use since Nov. 9, 1925.

Reg. No. 217,227. Registered Aug. 31, 1926. AUTOMOTIVE GEAR WORKS, INC., Richmond, Ind., a corporation of Delaware. Republished by registrant.



FOR GEARS INCLUDING AUTOMOBILE GEARS AND SHAFTING, TRANSMISSION GEARS, DIFFERENTIAL GEARS, PINIONS, REAR-AXLE GEARS AND SHAFTS.
Claims use since early in 1916.

Reg. No. 220,847. Registered Nov. 16, 1926. E. C. ATKINS AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.



The representation of the saw and protector strip are disclaimed. The drawing is lined for blue.
FOR CROSSCUT SAWS.
Claims use since Oct. 15, 1925.

Reg. No. 221,128. Registered Nov. 23, 1926. THE HEALD MACHINE COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

SIZE-MATIC

FOR PRECISION GRINDING MACHINES USED FOR THE PRODUCTION OF METAL ARTICLES.
Claims use since Jan. 1, 1926.

Reg. No. 227,421. Registered May 3, 1927. THE CHANDLER & PRICE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Craftsman

FOR PAPER CUTTERS AND PAPER CUTTING MACHINES AND PARTS THEREOF.
Claims use since Aug. 15, 1926.

CLASS 26

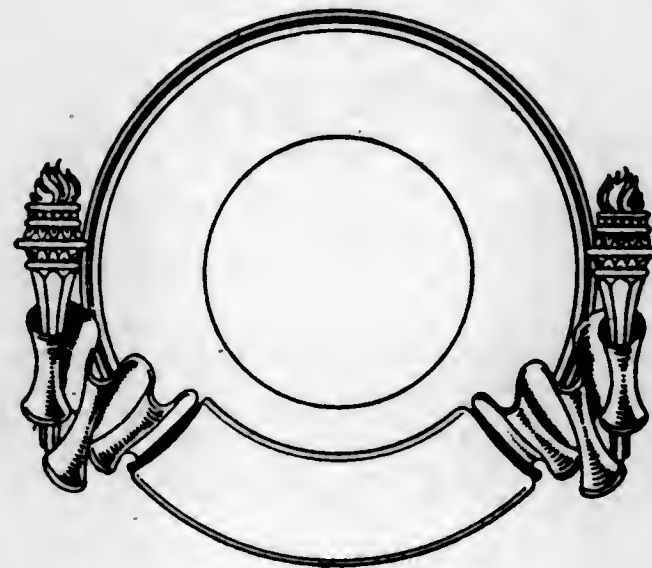
MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 208,219. Registered Jan. 19, 1926. SPENCER THERMOSTAT COMPANY, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant, present location Attleboro, Mass.

KLIXON

FOR THERMOSTATIC CONTROLS.
Claims use since Aug. 11, 1925.

Reg. No. 210,410. Registered Mar. 16, 1926. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Republished by registrant.



FOR SPECTACLES, SPECTACLE FRAMES, AND OPHTHALMIC LENSES.
Claims use since Feb. 1, 1925.

Reg. No. 210,411. Registered Mar. 16, 1926. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

WH

FOR SPECTACLES, SPECTACLE FRAMES, AND OPHTHALMIC LENSES.
Claims use since Feb. 1, 1925.

Reg. No. 210,412. Registered Mar. 16, 1926. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Republished by registrant.



FOR SPECTACLES, SPECTACLE FRAMES, AND OPHTHALMIC LENSES.
Claims use since Feb. 1, 1925.

Reg. No. 215,536. Registered July 20, 1926. ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Republished by General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware.

Agfa

FOR CAMERAS AND PARTS THEREFOR.
Claims use since Feb. 17, 1925.

Reg. No. 222,091. Registered Dec. 21, 1926. JAMES ARTHUR LYONS, Chicago, Ill. Republished by James Arthur Lyons, doing business as Reliable Typewriter & Adding Machine Company, Chicago, Ill.



FOR VEST-POCKET ADDING MACHINES.
Claims use since Apr. 1, 1924.

Reg. No. 361,602. Registered Oct. 25, 1938. DUNCAN ELECTRIC MANUFACTURING COMPANY, Lafayette, Ind., a corporation of Illinois. Republished by registrant.

NOBELOY

FOR BEARING MEMBERS FOR WATT-HOUR METERS, INCLUDING A NON-CORROSIVE PIVOT FORMED MAINLY OF GOLD AND PLATINUM.
Claims use since approximately Oct. 1, 1937.

Reg. No. 385,548. Registered Mar. 11, 1941. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

PROTECTOGLO

FOR SAFETY INSTRUMENTS FOR CONTROLLING FUEL SUPPLY TO FUEL BURNERS.
Claims use since October 1930.

Reg. No. 401,603. Registered May 25, 1943. ASSOCIATED RESEARCH INCORPORATED, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HYPOT

FOR ELECTRICAL MEASURING INSTRUMENTS—SPECIFICALLY, APPARATUS FOR DETERMINING VOLTAGE AT WHICH ELECTRICAL INSULATION BREAKS DOWN.
Claims use since Feb. 3, 1942.

Reg. No. 401,604. Registered May 25, 1943. ASSOCIATED RESEARCH INCORPORATED, Chicago, Ill., a corporation of Illinois. Republished by registrant.

VIBROGROUND

FOR ELECTRICAL MEASURING INSTRUMENTS—SPECIFICALLY INSTRUMENTS FOR MEASURING THE RESISTANCE OF ELECTRICAL GROUNDING CONNECTION TO THE EARTH.
Claims use since Feb. 3, 1942.

Reg. No. 401,605. Registered May 25, 1943. ASSOCIATED RESEARCH INCORPORATED, Chicago, Ill., a corporation of Illinois. Republished by registrant.

VIBROTEST

FOR ELECTRICAL MEASURING INSTRUMENTS—SPECIFICALLY, INSTRUMENTS FOR MEASURING THE ELECTRICAL RESISTANCE OF ELECTRICAL INSULATION.

Claims use since Feb. 3, 1942.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 214,849. Registered July 6, 1926. W. T. COPELAND & SONS, Stoke-on-Trent, Staffordshire, England. Republished by W. T. Copeland & Sons, Limited, Stoke-on-Trent, Staffordshire, England, an United Kingdom corporation.

SPODE

FOR CHINA AND EARTHENWARE.
Claims use since 1770.

CLASS 33

GLASSWARE

Reg. No. 117,764. Registered July 31, 1917. KIMBLE GLASS CO., Chicago, Ill. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR BEAKERS, FLASKS, AND OTHER GLASS CONTAINERS.

Claims use since Nov. 18, 1916.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 206,302. Registered Nov. 24, 1925. JACKES- EVANS MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Aunt Sarah's

FOR PORTABLE OVENS.
Claims use since about Apr. 28, 1925.

Reg. No. 212,538. Registered May 4, 1926. BEMIS BRO. BAG COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

FLEXIPIPE

FOR CANVAS TUBING WHICH IS PRINCIPALLY USED FOR VENTILATING PURPOSES IN MINES.
Claims use since Apr. 25, 1921.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 212,547. Registered May 4, 1926. HARRY C. HOWER, Chicago, Ill. Republished by Vogue Rubber Company, Chicago, Ill., a corporation of Illinois.

VOGUE

FOR AUTOMOBILE TIRES AND TUBES.
Claims use since Aug. 11, 1922.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 217,580. Registered Sept. 7, 1926. THE H. N. WHITE COMPANY, Cleveland Ohio, a corporation of Ohio. Republished by registrant.

LIBERTY

FOR BAND INSTRUMENTS.
Claims use since Oct. 1, 1920.

CLASS 37

PAPER AND STATIONERY

Reg. No. 213,054. Registered May 18, 1926. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif., assignor to Crown Willamette Paper Company, San Francisco, Calif., a corporation of Delaware. Republished by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif., a corporation of Nevada.

SUNBEAM



FOR RAISIN-TRAY PAPER.
Claims use since Apr. 3, 1925.

Reg. No. 213,134. Registered May 18, 1926. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif., assignor to Crown Willamette Paper Company, San Francisco, Calif., a corporation of Delaware. Republished by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif., a corporation of Nevada.



FOR WRAPPING PAPER.
Claims use since Jan. 5, 1925.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 147,758. Registered Nov. 1, 1921. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Remembrance Advertising

FOR ART-CALENDARS, GREETING CARDS, AND MOTTOES.
Claims use since Mar. 1, 1920.

Reg. No. 217,752. Registered Sept. 7, 1926. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Tintogravure

FOR WALL CALENDARS, NEWSPAPERS, PRICE LISTS, AND GREETING CARDS.
Claims use since about Dec. 15, 1912.

Reg. No. 219,490. Registered Oct. 19, 1926. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

GOOD POLICY

FOR PERIODICAL PARTICULARLY ADAPTED TO INSURANCE PUBLISHED FROM TIME TO TIME.
Claims use since about Mar. 1, 1926.

Reg. No. 222,114. Registered Dec. 21, 1926. THE DAVISS- YOUNG SOAP COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.



FOR BIMONTHLY MAGAZINE.
Claims use since October 1924.

CLASS 39

CLOTHING

Reg. No. 200,390. Registered June 30, 1925. WEINGARTEN BROS., New York, N. Y. Republished by W. B. Foundations, Incorporated, Newark, N. J., a corporation of New Jersey.

W.B. Doublette

FOR BRASSIÈRES, GIRDLES, CORSETS, COMBINATIONS OF BRASSIÈRES AND GIRDLES, AND COMBINATIONS OF BRASSIÈRES AND CORSETS.
Claims use since Dec. 15, 1924.

Reg. No. 202,236. Registered Aug. 18, 1925. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

LANDSHIRE

FOR MEN'S COATS, VESTS, AND PANTS.
Claims use since July 1, 1924.

Reg. No. 203,026. Registered Sept. 8, 1925. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Piping Rock

FOR COATS, VESTS, AND TROUSERS FOR MEN AND YOUTHS.
Claims use since the fore part of 1915.

Reg. No. 203,036. Registered Sept. 8, 1925. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Scotch Downs

The word "Scotch" is disclaimed.
FOR MEN'S OVERCOATS AND TOPCOATS.
Claims use since July 1, 1924.

Reg. No. 203,275. Registered Sept. 15, 1925. APEX HOSIERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Irresistible

FOR FULL-FASHIONED SILK HOSIERY.
Claims use since January 1925.

Reg. No. 208,938. Registered Feb. 9, 1926. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Society

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND OVERCOATS FOR MEN; OVERCOATS, KNICKERBOCKERS, AND JACKETS FOR WOMEN; COATS, VESTS, PANTS, KNICKERBOCKERS, AND OVERCOATS FOR YOUTHS AND CHILDREN.
Claims use since fore part of 1906.

Reg. No. 219,998. Registered Oct. 26, 1926. APEX HOSIERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PEXCO

FOR LADIES' FULL-FASHIONED HOSIERY.
Claims use since October 1925.

Reg. No. 221,007. Registered Nov. 23, 1926. ARTHUR A. WILLIAMS, doing business as Goodwill Shoe Company, Holliston, Mass. Republished by Goodwill Shoe Company, Holliston, Mass., a corporation of Massachusetts.



FOR SHOES AND BOOTS MADE WHOLLY OR IN PART OF LEATHER, RUBBER, OR FABRIC, AND FOR MEN, WOMEN, OR CHILDREN.
Claims use since June 18, 1926.

Reg. No. 225,178. Registered Mar. 15, 1927. REAL SPORT CLOTHING COMPANY, Philadelphia, Pa. Republished by Samuel Caplin, doing business as Real Sport Clothing Company, Philadelphia, Pa.



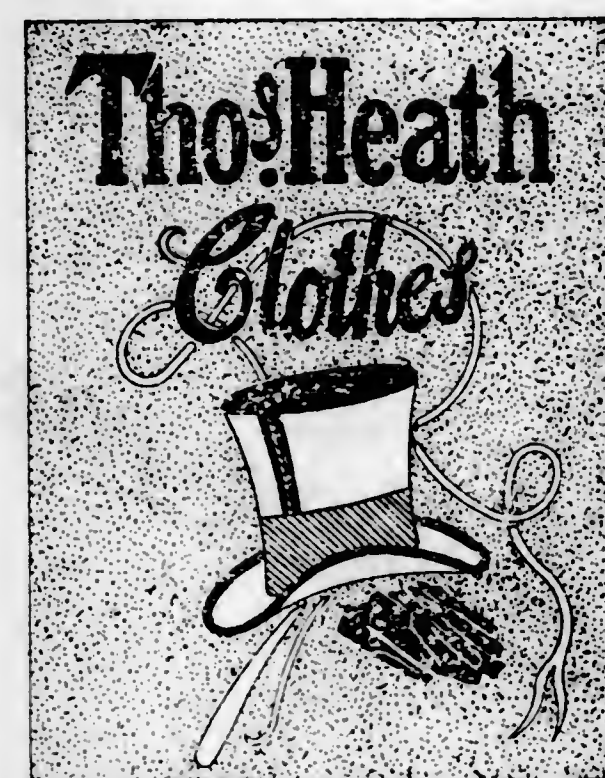
The word "Sport" is disclaimed.
FOR COATS, RIDING BREECHES, AND KNICKERBOCKERS FOR MEN AND WOMEN; DRESS AND NEGLIGEE SHIRTS, LONG TROUSERS, VESTS, AND SUITS FOR MEN AND WOMEN.
Claims use since Nov. 1, 1926.

Reg. No. 240,287. Registered Mar. 20, 1928. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

SNUG-EASE

FOR COATS AND OVERCOATS FOR MEN.
Claims use since Oct. 1, 1927.

Reg. No. 246,246. Registered Aug. 21, 1928. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.



FOR COATS, VESTS, TROUSERS, AND OVERCOATS FOR MEN AND YOUNG MEN.
Claims use since Oct. 26, 1927.

Reg. No. 285,406. Registered July 28, 1931. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

STAUNCHLEY

FOR MEN'S SUITS.
Claims use since on or before Feb. 1, 1931.

Reg. No. 288,536. Registered Nov. 3, 1931. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.



FOR MEN'S COATS, OVERCOATS, AND TOPCOATS.
Claims use since on or about Jan. 1, 1915.

Reg. No. 292,991. Registered Apr. 5, 1932. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

STURDYMAN

FOR OVERCOATS FOR MEN AND MEN'S SUITS, INCLUDING COATS, VESTS, AND TROUSERS.
Claims use since on or about January 1928.

Reg. No. 294,106. Registered May 17, 1932. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

SAXLEIGH

FOR MEN'S SUITS, INCLUDING COATS, VESTS, AND TROUSERS.
Claims use since on or about Jan. 1, 1931.

Reg. No. 294,531. Registered May 31, 1932. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Tyburn

FOR MEN'S SUITS, INCLUDING COATS, VESTS, AND TROUSERS.
Claims use since on or about July 1, 1927.

Reg. No. 295,122. Registered June 21, 1932. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

AQUA DOWN

FOR OVERCOATS AND TOPCOATS FOR MEN.
Claims use since on or about Jan. 1, 1930.

Reg. No. 295,123. Registered June 21, 1932. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

RAMVEL

FOR OVERCOATS AND TOPCOATS FOR MEN.
Claims use since on or about Jan. 1, 1932.

Reg. No. 295,461. Registered July 5, 1932. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.



FOR COATS, VESTS, TROUSERS, ETC.
Claims use since on or about Jan. 14, 1932.

Reg. No. 313,896. Registered June 12, 1934. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

CROSSWING

FOR MEN'S SUITS CONSISTING OF COATS, TROUSERS, AND VESTS.
Claims use since on or about Jan. 19, 1934.

Reg. No. 313,897. Registered June 12, 1934. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

CROSSMORE

FOR MEN'S SUITS CONSISTING OF COATS, TROUSERS, AND VESTS.
Claims use since on or about Jan. 23, 1934.

Reg. No. 316,573. Registered Aug. 28, 1934. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

VENTILAIRE

FOR ARTICLES OF CLOTHING FOR MEN—NAMELY, SUITS, COATS, VESTS, AND TROUSERS, AND MORE PARTICULARLY THESE ARTICLES AS NAMED FOR USE IN HOT WEATHER OR TROPICAL CLIMATES.

Claims use since on or about Feb. 22, 1934.

Reg. No. 338,159. Registered Sept. 1, 1936. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Huddersford

FOR MEN'S OVERCOATS.

Claims use since on or about July 1, 1932.

Reg. No. 353,848. Registered Jan. 18, 1938. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Synkromatic Fashions

The word "Fashions" is disclaimed.
FOR MEN'S SUITS.

Claims use since Aug. 18, 1937.

Reg. No. 353,954. Registered Jan. 25, 1938. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Weekkloem

FOR MEN'S SUITS.

Claims use since on or about Jan. 9, 1936.

Reg. No. 354,563. Registered Feb. 15, 1938. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Yodler

FOR OUTSIDE GARMENTS KNOWN AS TOPCOATS FOR PERSONS GENERALLY.

Claims use since on or about Sept. 3, 1937.

Reg. No. 357,345. Registered May 31, 1938. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Lightee

FOR MEN'S SUITS.

Claims use since Jan. 20, 1938.

Reg. No. 360,046. Registered Sept. 6, 1938. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Double-Date

FOR WOMEN'S TOPCOATS.

Claims use since on or about Mar. 11, 1938.

Reg. No. 368,603. Registered June 27, 1939. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

GABALITE

FOR MEN'S SUITS.

Claims use since on or about Apr. 12, 1937.

Reg. No. 373,476. Registered Dec. 12, 1939. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

MIRACOO

FOR MEN'S SUITS.

Claims use since on or about Sept. 21, 1938.

Reg. No. 377,772. Registered May 14, 1940. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

PERUGO

FOR MEN'S OVERCOATS.

Claims use since on or about July 28, 1939.

Reg. No. 379,149. Registered July 2, 1940. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

KASHLI

FOR MEN'S TOPCOATS AND OVERCOATS.

Claims use since on or about Aug. 1, 1939.

Reg. No. 379,150. Registered July 2, 1940. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

SWANKAIRE

FOR MEN'S SUITS.

Claims use since on or about Aug. 1, 1939.

Reg. No. 379,151. Registered July 2, 1940. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

York Minster

The word "York" is disclaimed.

FOR MEN'S SUITS.

Claims use since on or about Aug. 1, 1939.

Reg. No. 379,356. Registered July 9, 1940. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

ATHLETO

FOR MEN'S SUITS.

Claims use since on or about Aug. 1, 1938.

607 O. G.—29

Reg. No. 381,337. Registered Sept. 17, 1940. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Rumblly

FOR MEN'S TOPCOATS AND OVERCOATS.
Claims use since on or about September 1935.

Reg. No. 381,718. Registered Oct. 1, 1940. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

DIGNITAIRE

FOR MEN'S CLOTHING COMPRISING SUITS, AND MORE PARTICULARLY CERTAIN STYLES OR MODELS INCLUDED IN THIS GROUP.

Claims use since on or about Apr. 26, 1940.

Reg. No. 384,757. Registered Feb. 4, 1941. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

VES-T-VES

FOR WAISTCOAT ATTACHMENTS FOR DRESS COATS.

Claims use since Feb. 28, 1940.

Reg. No. 384,768. Registered Feb. 4, 1941. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Society Brand FASHIONAIRE GROUP

The words "Brand" and "Group" are disclaimed.
FOR CERTAIN PARTICULAR GROUP OF MEN'S SUITS.

Claims use since on or about Apr. 26, 1940.

Reg. No. 386,021. Registered Mar. 25, 1941. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

Huddersfield

FOR MEN'S TOPCOATS AND OVERCOATS.
Claims use since on or about Sept. 12, 1940.

Reg. No. 396,121. Registered June 30, 1942. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

MT. AERY

FOR MEN'S CLOTHING—NAMELY, MEN'S SUITS.
Claims use since on or about November 1940.

Reg. No. 399,692. Registered Jan. 26, 1943. JOSEPH BLACK & SONS COMPANY, York, Pa., a corporation of Pennsylvania. Republished by registrant.

*Bachelor Girl
Socks*

The word "Socks" is disclaimed.
FOR HOSIERY.
Claims use since June 1, 1942.

Reg. No. 411,591. Registered Jan. 23, 1945. ALFRED DECKER & COHN, INC., Chicago, Ill. Republished by Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois.

ARCHITECTURE

FOR MEN'S SUITS.
Claims use since June 21, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 203,807. Registered Sept. 29, 1925. RESPRO INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant, present location Cranston, R. I.

Respro

FOR ADHESIVELY INTEGRATED FIBROUS MATERIALS.
Claims use since Sept. 15, 1920.

CLASS 44

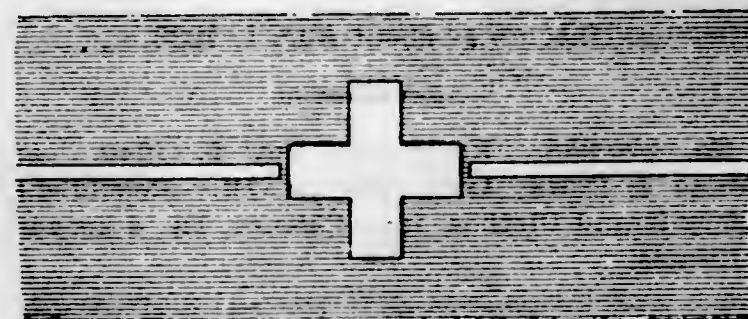
DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 116,588. Registered May 15, 1917. SAMUEL H. CAMP, Jackson, Mich. Republished by S. H. Camp & Company, Jackson, Mich., a corporation of Michigan.



FOR ABDOMINAL BELTS OR SUPPORTERS.
Claims use since April 1916.

Reg. No. 218,683. Registered Sept. 28, 1926. CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis. Republished by International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.



The drawing is lined for blue.
FOR CATAMENIAL BANDAGES AND ABSORBENT PADS OR SHEETS FOR INFANTS' DIAPERS.
Claims use since June 1, 1924, on catamenial bandages; since June 2, 1924, on absorbent pads or sheets for infants' diapers.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 118,391. Registered Sept. 4, 1917. DARLING & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DARLINGS

FOR PREPARED ANIMAL AND POULTRY FOODS.
Claims use since 1881.

Reg. No. 118,501. Registered Sept. 18, 1917. DARLING & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MEATEIN

FOR FOODS—NAMELY, PREPARED STOCK AND POULTRY FOODS.
Claims use since July 15, 1915.

Reg. No. 205,776. Registered Nov. 17, 1925. D. GHIRARDELLI Co., San Francisco, Calif., a corporation of California. Republished by registrant.

GHIRARDELLI'S

FOR CHOCOLATE, CANDY, COCOA.
Claims use since 1867.

Reg. No. 213,534. Registered June 1, 1926. INDERRIEDEN CANNING Co., Chicago, Ill. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

Peter-Pan



FOR DRIED FRUITS—NAMELY, RAISINS, PEARS, APRICOTS, PRUNES, PEACHES, FIGS, AND NECTARINES.

Claims use since Jan. 31, 1922, on raisins; since Apr. 29, 1925, on peaches; and since May 19, 1925, on pears, apricots, prunes, figs and nectarines.

Reg. No. 217,759. Registered Sept. 7, 1926. J. B. INDERRIEDEN Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Peter Pan



FOR NUTS IN THEIR NATURAL STATE AND NUT MEATS.
Claims use since 1921.

Reg. No. 218,778. Registered Oct. 5, 1926. E. CLEMENS HORST Co., San Francisco, Calif., a corporation of New Jersey. Republished by registrant.

CLEMHORST

FOR CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, FRESH DECIDUOUS FRUITS.
Claims use since Nov. 27, 1925.

Reg. No. 218,925. Registered Oct. 5, 1926. PORTSMOUTH COTTON OIL REFINING CORPORATION, Portsmouth, Va. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

PRIMEX

FOR VEGETABLE SHORTENING.
Claims use since May 1, 1926.

Reg. No. 221,321. Registered Nov. 30, 1926. INDERRIEDEN CANNING Co., Chicago, Ill. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

Peter-Pan

FOR CANNED AND DRIED FRUITS, CANNED VEGETABLES, FRUIT PRESERVES, JAMS, AND JELLIES.
Claims use since Dec. 15, 1919.

Reg. No. 221,721. Registered Dec. 7, 1926. FERNCLIFF FEED & GRAIN CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

FERNCLIFF

FOR FEEDS AND FEEDSTUFFS FOR HORSES, MULES, DAIRY CATTLE, POULTRY, AND SWINE. Claims use since July 1919.

Reg. No. 222,157. Registered Dec. 21, 1926. D. GHIRARDELLI Co., San Francisco, Calif., a corporation of California. Republished by registrant.



FOR COCOA, CHOCOLATE, CANDY. Claims use since 1863.

Reg. No. 223,424. Registered Feb. 1, 1927. OELERICH & BERRY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

OLD MANSE

FOR TABLE SYRUP, FRUIT PRESERVES, JELLY, AND MOLASSES. Claims use since 1896.

Reg. No. 226,053. Registered Mar. 29, 1927. NORTHRUP, KING & Co., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

NORTHLAND

FOR POULTRY FEED, STOCK FEED, AND DAIRY FEED. Claims use since Nov. 4, 1926.

Reg. No. 226,377. Registered Apr. 5, 1927. FERNCLIFF FEED & GRAIN CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

P. D. Q.

FOR FEEDS AND FEEDSTUFFS FOR HORSES, MULES, DAIRY CATTLE, POULTRY, AND SWINE. Claims use since July 1919.

Reg. No. 238,210. Registered Jan. 31, 1928. BLANKEBAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Win-you

FOR JELLIES, FRUIT PRESERVES, FRUIT BUTTERS, FLAVORING EXTRACTS FOR FOOD, PEANUT BUTTER, AND MUSTARD.

Claims use since Aug. 1, 1918, on jellies, fruit preserves, fruit butter, and flavoring extracts; and since Jan. 6, 1927, on peanut butter and mustard.

Reg. No. 240,295. Registered Mar. 20, 1928. BLANKEBAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Wingyou

FOR OLIVES, PICKLES, SALAD DRESSING, AND MAYONNAISE. Claims use since June 13, 1927.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 226,936. Registered Apr. 26, 1927. RESPRO INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant, present location Cranston, R. I.

TUFSKIM

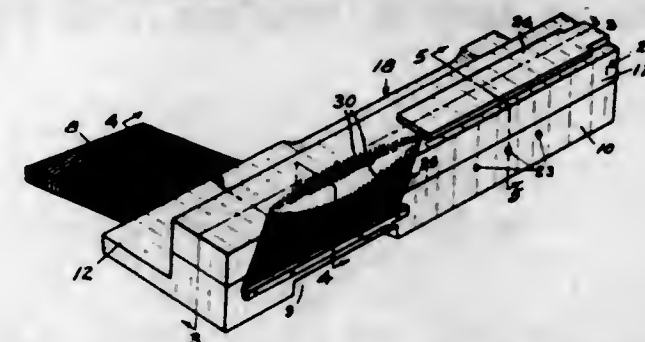
FOR ADHESIVELY-INTEGRATED FIBROUS MATERIAL (A MANUFACTURED MATERIAL). Claims use since Dec. 8, 1926.

PATENTS

GRANTED FEBRUARY 17, 1948

2,435,951 METHOD OF AND MEANS FOR POLLINATING BLOSSOMS

Leo C. Antles, Wenatchee, Wash.
Application July 5, 1944, Serial No. 543,587
11 Claims. (Cl. 6-4)

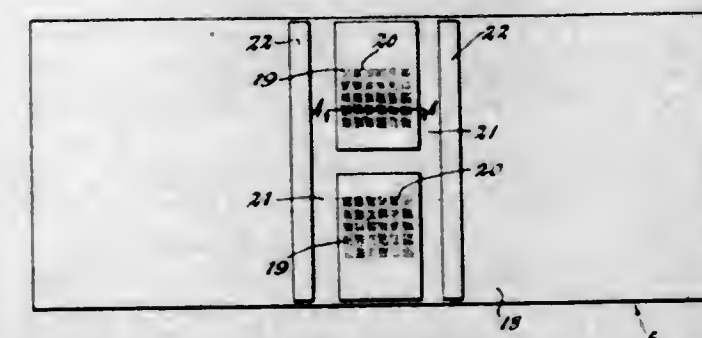


1. The method of pollinating blossoms of plants through the controlled activities of bees, which comprises locating a beehive in the vicinity of the blossoms; providing at the beehive pollen suitable for pollination of the blossoms; and directing the bees into contact with the pollen when they visit the hive.

6. Means for increasing the pollination activities of bees using a beehive located in the vicinity of blossoms to be pollinated, comprising a beehive insert, adapted to control the entrance and exit of bees relative to a beehive; a pollen chamber in said insert through which bees entering and leaving said beehive must pass; and pollen in said pollen chamber suitable for pollination of said blossoms.

2,435,952 MICROSCOPE AND COUNTING CHAMBER THEREFOR

Alva H. Bennett, Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application June 16, 1943, Serial No. 491,031
6 Claims. (Cl. 88-40)

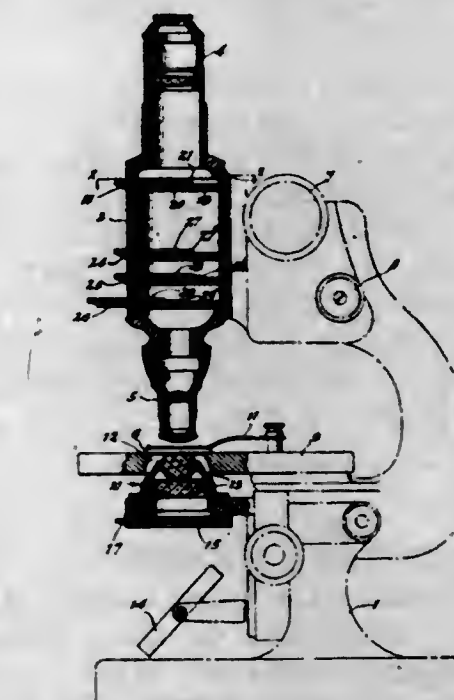


4. An optical counting chamber for use with a microscope or the like having a light polarizing member in optical alignment with the light path thereof and pivotally adjustable relative thereto, said chamber comprising a transparent body portion, said body portion having an area for supporting the specimen under test or examination and spaced upstanding cover supporting ribs adjacent thereto and arranged to support a flat transparent cover plate in predetermined spaced relation above said area, said area for supporting the specimen comprising a light polarizing layer of uniform light transmitting properties and division lines forming non-polarizing spaces crossing said area and subdividing said area into smaller units or counting zones, whereby when

said area is being observed through said microscope and the division lines are illuminated so as to be distinctly visible and distinguishable from said counting zones, the illumination of said zones may be varied in intensity to suit the specimen or object under observation by changing the relative angularity between said light polarizing member and said layer without materially altering the illumination of said lines.

2,435,953 POLARIZING MICROSCOPE AND POLARIZING HAEMACYTOMETER THEREFOR

Alva H. Bennett, Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application November 13, 1943, Serial No. 510,100
4 Claims. (Cl. 88-39)



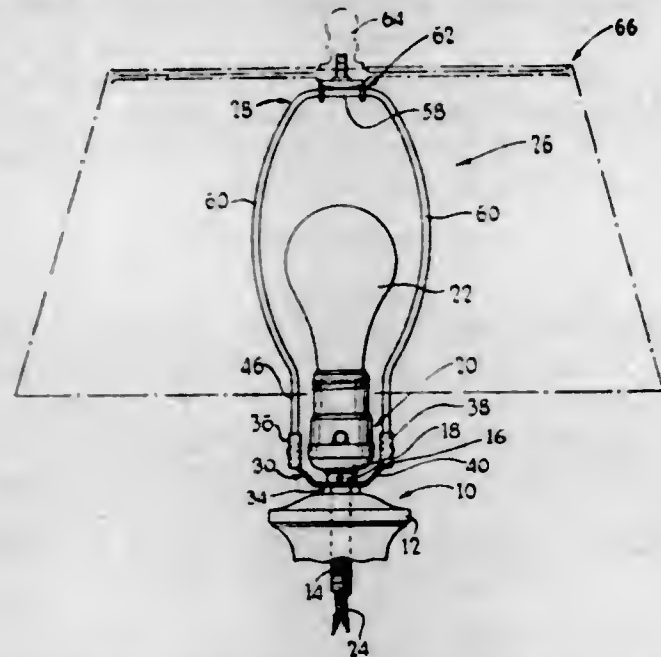
1. In apparatus of the character described, the combination with a microscope slide comprising a light polarizing transparent layer having a ruled area for facilitating counting the number of bodies overlying a unit area thereof, of eye lens means for viewing said slide, means for passing polarized light through said slide, an objective lens system for forming with said eye lens means a magnified image of the part of the slide thus illuminated, and analyzer for analyzing the light rays forming said image, a birefringent retardation plate and means for rotatably supporting said plate in the optical path between said slide and said analyzer for varying the tint of the image of said slide being viewed through said eye lens means.

2,435,954 LAMP HARP

Kornel Berger, Kew Gardens, N. Y.
Application July 17, 1946, Serial No. 684,229
12 Claims. (Cl. 240-148)

1. A take apart lamp harp comprising a bracket having two spaced elongated socket members, a harp frame having two torsionally resilient end members each associated with and adapted to be slidably and rotatably received in one of said socket members, and means to detachably secure said frame to said bracket, said

means including a protuberance on at least one of said members and a longitudinal opening extending from an edge of the member associated therewith, said opening having a tooth extending from one edge thereof part way across toward the outer edge and being spaced from said other edge a distance sufficient to pass said protuberance, said protuberance being slightly out of line with the portion of the opening between the tip of the tooth and the opposite edge of the



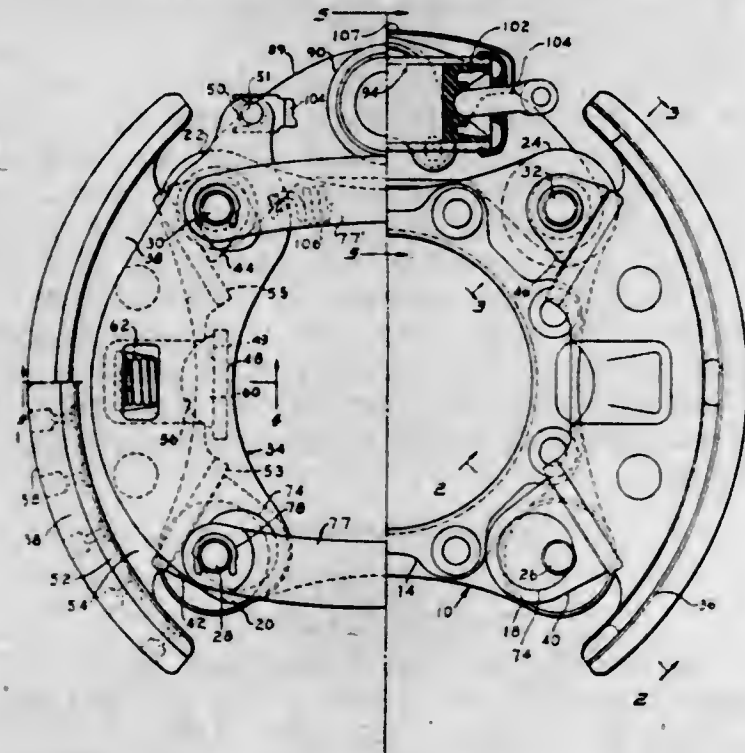
opening when said end members are aligned with said socket members, said protuberance at such time being disposed on the same side of the opening as the base of the tooth, whereby said harp frame can be coupled or uncoupled by torsionally twisting the harp frame about an axis between the two end members so as to torsionally flex the end members in their associated sockets to an extent sufficient to enable the protuberance to clear the tip of the tooth.

2,435,955

VEHICLE BRAKE

Lawrence R. Buckendale and Ralph K. Super, Detroit, Mich., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application December 22, 1944, Serial No. 569,392
14 Claims. (Cl. 188-78)



1. Brake mechanism comprising an anchor pin mounted for adjustment by rotation about its axis, a cylindrical eccentric on said pin and rotatable therewith, a brake shoe abutment member pivotally mounted on said eccentric, a lever pivotally mounted on said eccentric, and a brake

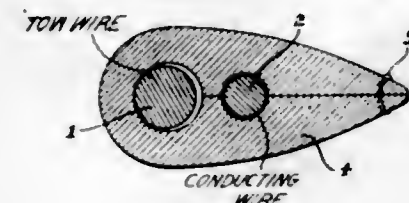
shoe having an abutment surface slidably engaged with said abutment member and having a rockable and sliding motion transmitting connection with said lever, whereby said brake shoe and lever are simultaneously adjusted upon rotation of said pin about its axis.

2,435,956

STREAMLINED CONDUCTOR CABLE

Edward C. Craig, United States Navy
Application December 9, 1942, Serial No. 468,415
1 Claim. (Cl. 174-101.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A streamlined conductor cable including a strength cable element, a thick solid streamline-sectioned covering member freely pivotal on said strength cable element, at least one conducting element extending parallel to said strength element, said covering member having an oversize bore extending therethrough for each of the elements, the bore for the strength element being located ahead of the others with respect to the streamlined section so as to cause the member to assume streamline position when the conductor cable is drawn through a fluid medium.

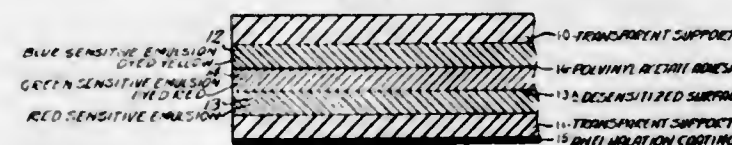
2,435,957

TRIPACK FILM WITH EMULSION LAYERS ADJACENT EACH OTHER AND METHOD OF MAKING SAME

Jack C. Crawford, United States Navy,
Anacostia, D. C.

Application June 22, 1944, Serial No. 541,557
3 Claims. (Cl. 95-2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



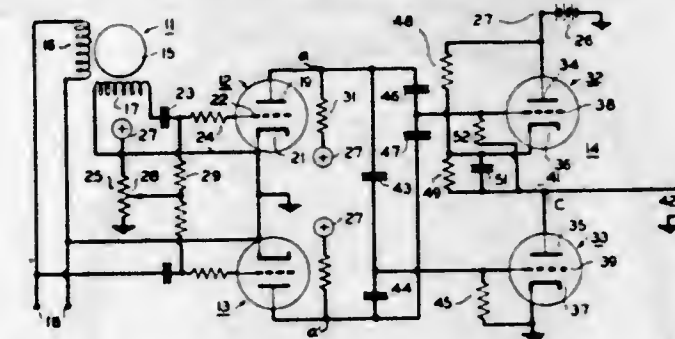
1. As a new article of manufacture, a tri-pack film consisting of two elements; the first element comprising a transparent reinforcing base through which the light first enters the film, and a blue sensitive emulsion layer, containing a yellow dye, coated on the inner surface thereof; and the second element comprising a rear transparent supporting member forming the back of the film, said rear supporting member having an anti-halation material applied to its rearward surface, and having a panchromatic emulsion layer coated on its frontward surface, said panchromatic layer being desensitized downwardly from its frontward surface by suitable treatment, and a green sensitive emulsion layer, containing a red dye, coated on said desensitized panchromatic emulsion layer; the two elements being joined together by a polyvinyl acetate adhesive of such characteristics that the elements of the film can be readily peeled apart by hand during development of the film, the juncture being effected between the open sides of the blue sensitive and the green sensitive emulsion layers.

2,435,958

PULSE GENERATOR

Walter N. Dean, Larchmont, N. Y., assignor to
The Sperry Corporation, a corporation of Delaware

Application August 19, 1943, Serial No. 499,213
10 Claims. (Cl. 250-27)



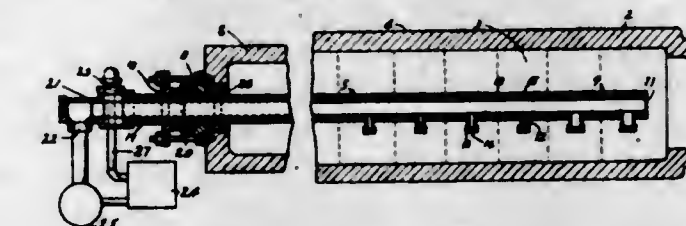
10. In combination, a two-phase source of alternating current providing two voltages of substantially fixed phase separation, means responsive to a first one of said voltages for producing two output pulses spaced 180 degrees during each cycle thereof and synchronized with said first voltage in fixed phase relation therewith, means responsive to the second of said two voltages for producing two output pulses spaced 180 degrees during each cycle thereof, said last-named means being adjusted to produce pulses spaced 90 degrees from the pulses produced by said first means, and means coupled to said first and second means for combining the outputs of said first and second means to deliver uniformly spaced pulses at a frequency quadruple the frequency of said two-phase source.

2,435,959

TEMPERATURE CONTROL MEANS FOR CALENDER ROLLS

Le Roy Eaby, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application November 11, 1944, Serial No. 563,076
8 Claims. (Cl. 257-95)



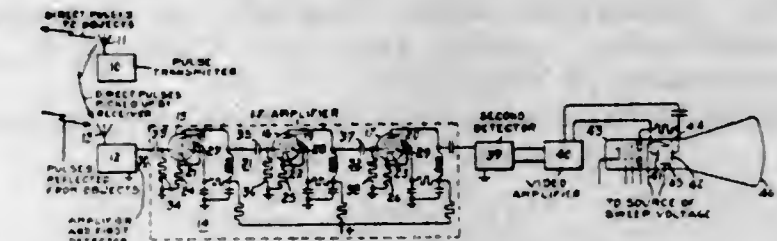
1. In combination with a rotatable roll having a peripheral working surface, the temperature of which is to be controlled, and an internal cavity extending longitudinally of the roll below the working surface, means for distributing heat transfer liquid within the cavity comprising inlet and outlet pipes extending longitudinally of the roll cavity and disposed one within the other, a plurality of longitudinally spaced inlet ports leading from the inlet pipe and opening into the roll cavity for the distribution of heat transfer liquid within the roll cavity at a plurality of spaced points longitudinally thereof, a plurality of longitudinally spaced outlet ports provided in the outlet pipe and opening into the roll cavity, said inlet and outlet ports being disposed in spaced pairs with the inlet port of each pair substantially opposite to the outlet port in a direction longitudinally of the cavity to provide for inlet and exhaust of heat transfer fluid in a plurality of longitudinally spaced zones throughout the roll cavity, and removable perforate end closures for the inlet ports, said end closures having openings therein which vary in cross-sectional area one from another to vary the supply of heat transfer fluid therethrough.

2,435,960

RADIO DETECTING AND RANGE FINDING SYSTEM

George W. Fyler, Stratford, Conn., assignor to
General Electric Company, a corporation of New York

Application September 2, 1942, Serial No. 457,064
9 Claims. (Cl. 250-1.66)



8. The combination, in a receiver for rapidly recurring pulse trains, each train comprising pulses of reducing intensity during the respective train, of means responsive to the stronger initial pulses of said trains to reduce the sensitivity of said receiver and to increase the reception frequency band width, and means to increase said sensitivity and reduce said band width during each pulse train at a rate such that the later weaker pulses of each train are received with maximum sensitivity and minimum reception frequency band width.

2,435,961

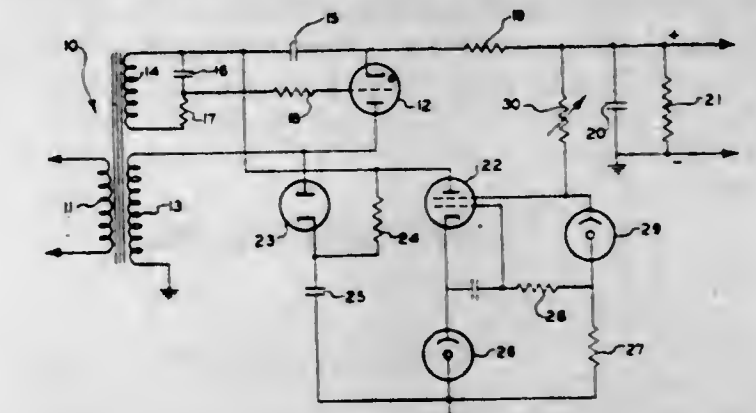
REGULATOR CIRCUIT

Donald R. Gibbons, Belmar, and Harry L. Chaney,
Red Bank, N. J.

Application May 13, 1944, Serial No. 535,530
10 Claims. (Cl. 175-363)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a regulated power system, the combination



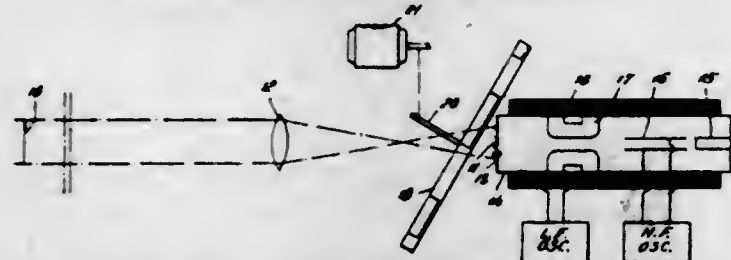
tion comprising a source of alternating-current, a gas-filled rectifier having a cathode, an anode, and a control electrode, the plate-cathode circuit of said rectifier being coupled to said source, means for impressing the alternating voltage from said source on said control electrode and said cathode in displaced phase relationship with respect to the voltage impressed on said anode whereby said rectifier normally is fired at a predetermined point on the positive portion of said alternating voltage, a direct-current amplifier having its input circuit connected to and controlled only by the output circuit of said rectifier in a manner whereby a regulating voltage is established in the output circuit of said amplifier substantially proportional to the direct component of the output voltage of said rectifier, but varying in opposite sense to the variations of said direct component, means for impressing said regulating voltage on said control electrode, and a condenser interconnecting the cathode and the grid of said rectifier for creating a varying potential difference between said control electrode and said cathode equal to the difference between said regulating voltage and the direct component of said output voltage, the variation in said dif-

ference advancing or retarding said firing point to a degree substantially compensating for fluctuations in said direct component of said output voltage.

2,435,962

COLOR TELEVISION

Peter C. Goldmark, New York, N. Y., and John N. Dyer, Stamford, Conn., assignors to Columbia Broadcasting System, Inc., New York, N. Y., a corporation of New York
Application November 20, 1940, Serial No. 366,400
28 Claims. (Cl. 178-5.2)

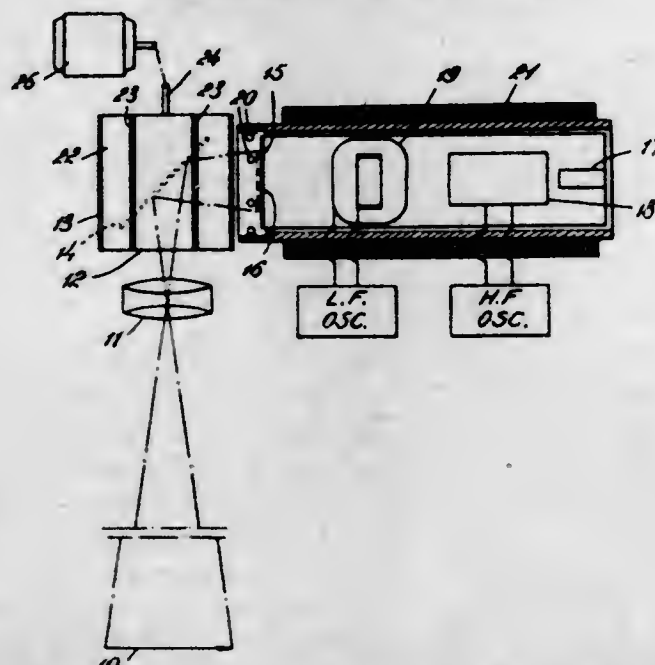


1. In television apparatus, the combination which comprises means for producing a repeated scanning pattern composed of a set of non-contiguous lines, means for utilizing said scanning pattern to scan a field, and means for repeatedly producing a relative shift between said scanning pattern and said field progressively line by line throughout the field in substantial synchronism with the scanning during a scanning period by amounts sufficient to cause a plurality of interlaced sets of lines of said field to be scanned by successive scans of said scanning pattern.

2,435,963

COLOR TELEVISION

Peter C. Goldmark, New York, N. Y., assignor to Columbia Broadcasting System, Inc., New York, N. Y., a corporation of New York
Application December 13, 1940, Serial No. 370,008
23 Claims. (Cl. 178-5.4)

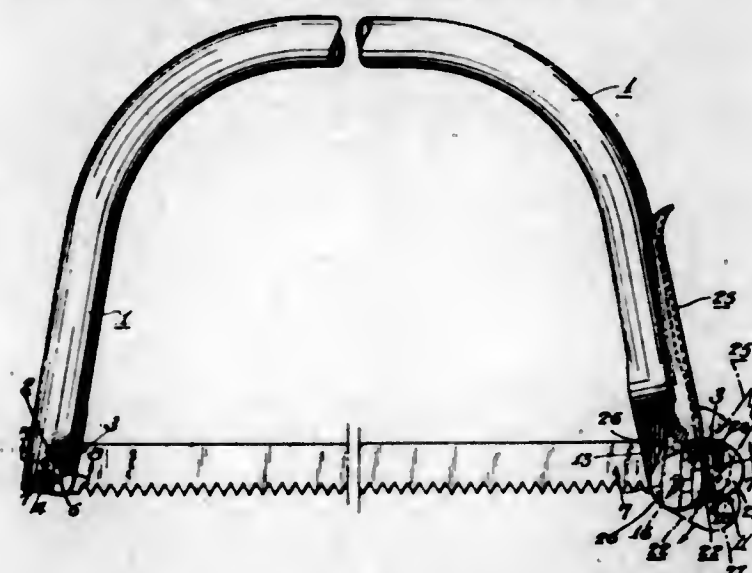


1. In color television apparatus, the combination which comprises an electronic scanning device, means for scanning an image area with said scanning device in two dimensions in a plurality of side-by-side lines, a rotatable color-filter drum having a plurality of color-filter segments of different optical characteristics arranged around the peripheral surface thereof, said drum being positioned and arranged in the path of the image light of said image area with the boundaries between segments substantially parallel optically with said lines of the image area, and said light passing through said segments as the drum rotates with progressive change of color at substantially the same speed at which the lines are scanned.

2,435,964

PULPWOOD SAW FRAME

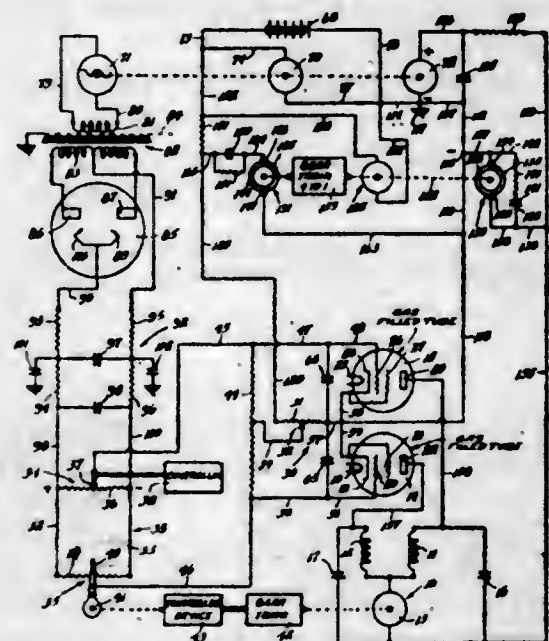
William Hastings Graft, Philadelphia, Pa., assignor to Henry Disston & Sons, Philadelphia, Pa., a corporation of Pennsylvania
Application April 14, 1943, Serial No. 483,011
7 Claims. (Cl. 145-33)



6. A saw frame having a bifurcated end portion, a blade-retaining member having bifurcations adjacent to the bifurcations of the frame, and aligned pintle pins entirely confined by and between the said bifurcations and permanently pivotally connecting the bifurcations of the retaining member with the bifurcations of the frame respectively.

2,435,965

ELECTRICAL MOTOR CONTROL APPARATUS
Henry E. Hartig, Robbinsdale, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 9, 1942, Serial No. 461,403
17 Claims. (Cl. 318-29)

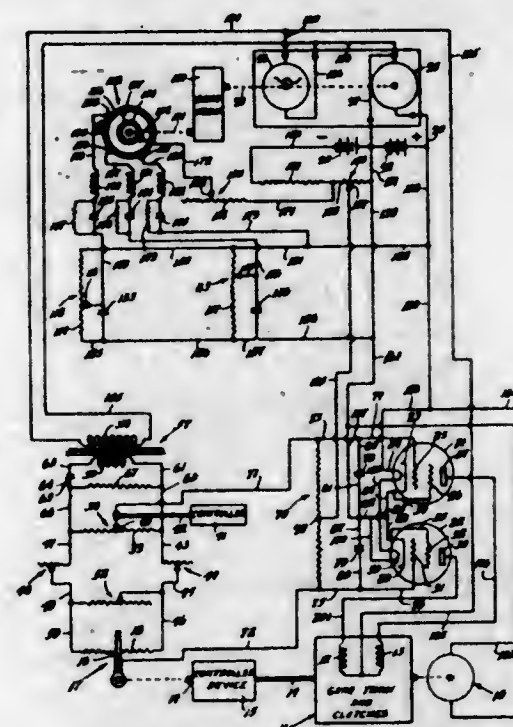


1. In motor controlling apparatus for motor means having a pair of current paths associated therewith and operable to rotate in one direction or the other depending upon whether the current flow through one of said paths is greater or less than that through the other, a pair of electronic discharge devices each having a control element for controlling the discharge thereof, each of said devices being adapted to control the current flow through a different one of said two current paths, means for applying variable control voltages to the control elements of said discharge devices, and means for increasing the effect of control voltages of small magnitude, said last named means including means for periodically increasing the magnitude of the voltage applied to said control elements for a relatively brief interval of time.

2,435,966

ELECTRONIC CONTROL APPARATUS FOR MOTORS

Siegfried G. Isserstedt, Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 26, 1943, Serial No. 480,668
11 Claims. (Cl. 318-29)



4. In a motor control system, a motor means, an electronic discharge amplifier having an output circuit controlling the operation of said motor means, said amplifier comprising a control element for controlling the discharge thereof, means for applying a cyclically varying voltage to said output circuit, a source of cyclically varying signal voltage having a variable effective value, means for applying to the control element of said discharge amplifier a cyclically varying input voltage including said signal voltage, and timer means for periodically increasing the magnitude of said input voltage during only predetermined cycles of said output voltage by amounts sufficient to render said amplifier conductive in the event of at least a small signal voltage from said source but insufficient to render said amplifier conductive in the absence of such a signal voltage.

2,435,967

BRIGHT ALLOY PLATING

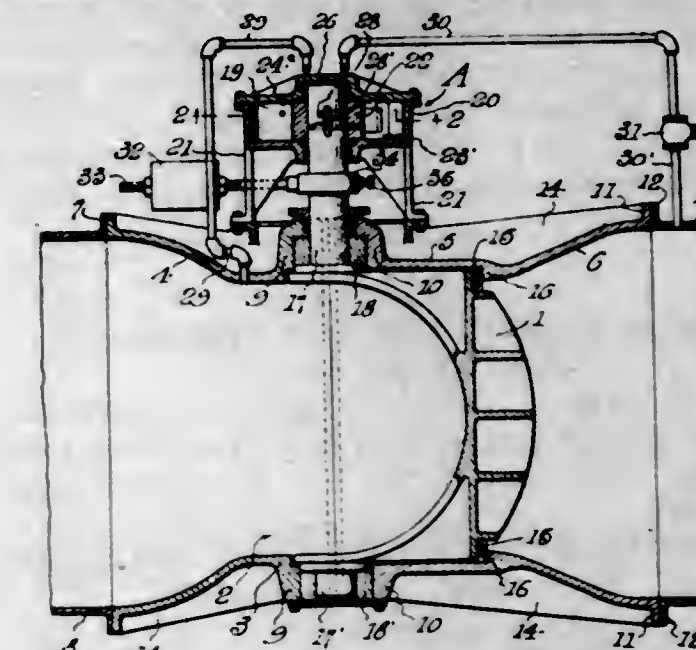
George W. Jernstedt, Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 27, 1945, Serial No. 580,073
2 Claims. (Cl. 204-44)

1. An electroplating bath for depositing a bright silvery alloy plate composed of 50% to 75% copper, 15% to 30% tin and 5% to 20% zinc comprising, in combination, an aqueous electrolyte composed of from about 0.5 to 5 oz. of free cyanide per gallon, 0.2 to 0.5 oz. of copper per gallon, 0.05 to 0.2 oz. of tin per gallon, 0.1 to 0.5 oz. of zinc per gallon, alkali metal hydroxide and 2.0 to 12.0 oz. per gallon of an alkali metal carbonate, the electrolyte being maintained at a pH value of from about 11 to 13, and an anti-pitting and brightening agent composed of from 0.01 to 1.0 oz. per gallon of a betaine having at least one non-cyclic hydrocarbon radical which contains from 10 to 20 carbon atoms.

2,435,968

MECHANISM FOR CONTROLLING HYDRAULIC FLOW

John Kalix, Dayton, Ohio
Application July 25, 1944, Serial No. 546,461
6 Claims. (Cl. 137-139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

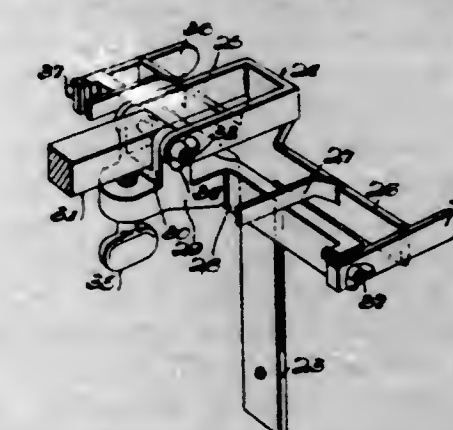


1. A device of the character described, comprising a main conduit having a restricted portion, a gate valve in and rotatably mounted on said conduit, a pressure chamber divided into compartments, a rotary piston arranged within said chamber and operating in said compartments, said piston connected to actuate said gate valve to an open and closed position, an adjustable counterbalancing weight for said gate valve, said gate valve adapted to close under its own weight in still water against the action of said counterbalancing weight, and means including a manually actuated pilot-cock connecting a low pressure portion and a high pressure portion of the conduit in communication with said compartments of the chamber whereby said piston is actuated to operate the gate valve to automatically control the rate of flow through the conduit.

2,435,969

SWINGING SCAFFOLD

Rolph J. Lackner, Richmond Hill, N. Y., assignor to Emma H. Lackner, Richmond Hill, N. Y.
Application August 1, 1946, Serial No. 687,730
8 Claims. (Cl. 304-19)



7. A safety device for swinging scaffolds including a fixed jaw and a movable jaw disposed at opposite sides of the scaffold suspending rope and normally free thereof, a pivoted lever movable upwardly away from the movable jaw independently thereof and downwardly to operatively coact with said movable jaw for rocking the same toward the fixed jaw to clamp said rope therebetween, means for supporting said jaws from a pulley block of the scaffold and including a shank fixed to said block and having said fixed jaw thereon as well as being provided with a yoke.

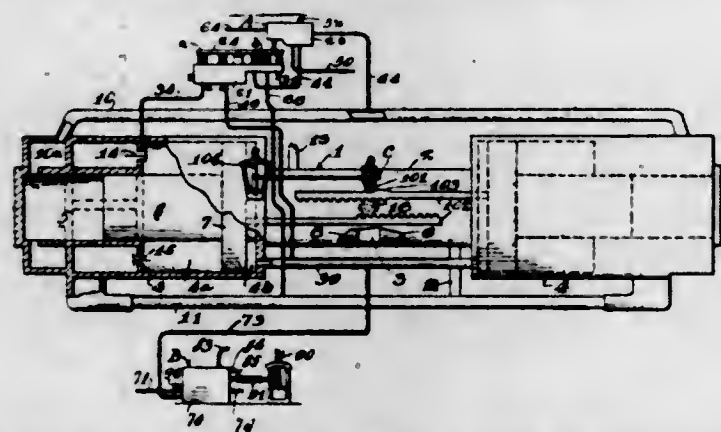
lugs on the movable jaw mating with said yoke and receiving the inner end of said lever therebetween, means extending through the yoke, said lugs and the lever pivotally connecting the movable jaw and said lever with said yoke, an arm extending from the movable jaw, a set screw engaged through said arm to abut the inner end portion of said lever and adjustable for changing the normal position of said lever relative to the movable jaw, and a connection between the outer end of said lever and an end of the scaffold platform whereby dropping of said end of the platform will cause actuation of the movable jaw to grip the suspending rope between said jaws.

2,435,970

FREE PISTON ENGINE PRESSURE CONTROL MEANS

Frank M. Lewis, Weston, Mass., assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y., a corporation of Virginia

Application June 14, 1945, Serial No. 599,361
41 Claims. (Cl. 123-46)



19. The combination with a free piston engine wherein during an operation thereof direct bounce, scavenging receiver, air compressor and reverse bounce pressures are present, of a governor for maintaining a substantially balanced condition of said pressures upon an engine frequency change, said governor including a balance lever, a plurality of pneumatically responsive means each having a passage in communication with a predetermined one of said engine pressures and acting in predetermined relation on said lever in response to said pressures to maintain it in a predetermined position of balance when the engine is running at a predetermined frequency and to vary the lever position when the engine frequency changes, pressure control valves and check valves in the air compressor and reverse bounce pressure passages, and means controlled by lever movements to increase or diminish the direct bounce pressure applied to its responsive means to maintain a predetermined balanced condition of said pressures upon a change in engine frequency, said last means having an exhaust passage and a high pressure air passage and including means controlled by movements of the lever to open one or the other of said passages to said direct bounce pressure passage to increase or diminish the pressure therein depending on the lever movement.

2,435,971

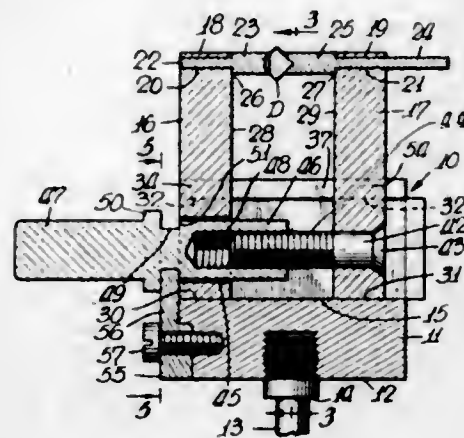
GEM DOP

Jacob Ludel, New York, N. Y., assignor to Diamond Craft of America, Inc., New York, N. Y., a corporation of Delaware

Application October 23, 1944, Serial No. 559,953
4 Claims. (Cl. 51-229)

1. A dop for use in forming girdle facets on a brilliant cut diamond, said dop comprising a body

portion secured to one end of a dop-positioning staff, and a diamond-holding assembly detachably secured to the body portion, said assembly including a housing defining a guideway for a pair of relatively movable work-holding jaws provided with work-engaging elements, a screw-threaded stud fixed at one end to one of said jaws, a rotatable adjusting member having an internally screw-threaded sleeve portion which receives the free end of the stud, the adjusting member passing freely through a bore in the



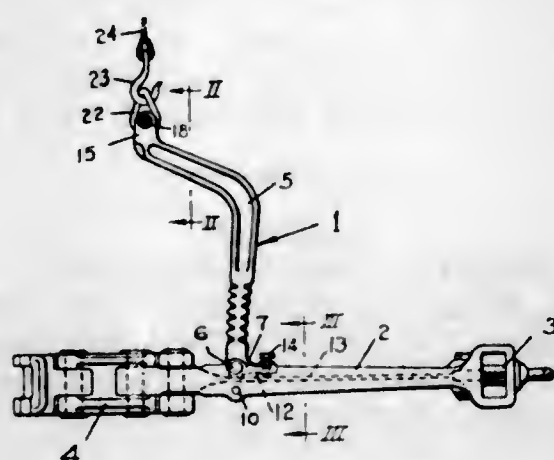
other jaw whereby the jaws may be slid freely toward and from each other while the assembly is dismounted from the body portion of the dop, thereby facilitating the positioning of a diamond between the work-engaging elements of the jaws, and means for detachably securing the assembly to the body portion of the dop, the body portion and the adjusting member having interengageable parts operative to prevent axial movement of the adjusting member when the assembly is operatively mounted on the body portion of the dop.

2,435,972

PIPE TONG SUPPORT

Chester A. Lundeen, Los Angeles, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware

Application March 20, 1945, Serial No. 583,790
4 Claims. (Cl. 255-35)



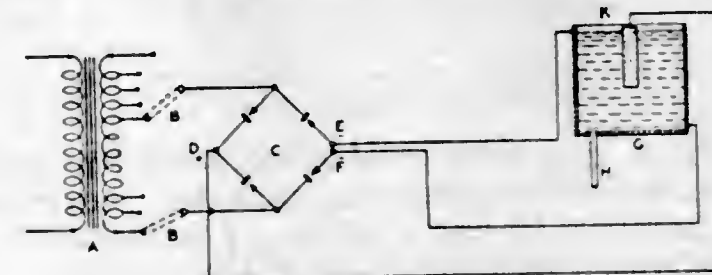
1. A hanger structure for a pipe tong, comprising: a supporting member having means for attaching it to a tong; and means for adjustably connecting the supporting member to a suspension member, said adjustable connecting means including an element rotatably carried by said supporting member and having an external helical groove, and a second element connected to said suspension member and supporting said supporting member by engaging in said groove, said first element being rotatable to effect axial movement of said second element and suspension member relative to said supporting member upon relative rotation between said elements.

2,435,973

METHOD OF AND MEANS FOR PROVIDING CATHODIC PROTECTION OF METALLIC STRUCTURES

Arthur B. MacTaggart, Toledo, and George J. Thomson, Fremont, Ohio, assignors to Rusta Restor Corporation, Fremont, Ohio, a corporation of Ohio

Application August 19, 1941, Serial No. 407,444
13 Claims. (Cl. 204-147)



1. The method of protecting a corrodible metallic structure against deterioration in contact with an aqueous electrolyte, which comprises connecting such structure at spaced points with plural negative poles of a source of direct electric current alternately supplied in low frequency to said poles, while maintaining a positive pole of such source in electrical connection with such structure.

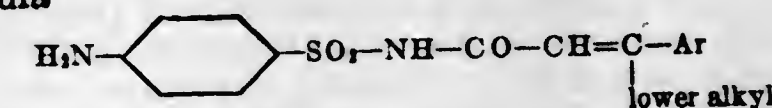
2,435,974

P-AMINO BENZENE SULFONAMIDES

Henry Martin, Hans Gysin and Otto Neracher, Basel, and Rudolf Hirt, Riehen, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application May 1, 1944, Serial No. 533,658. In Switzerland May 6, 1943
3 Claims. (Cl. 260-397.7)

1. A p-amino-benzene sulfonamide of the formula



wherein Ar represents a member selected from the group consisting of phenyl, p-tolyl, p-methoxyphenyl, p-chlorophenyl and 3:4-dimethylphenyl radicals.

2,435,975

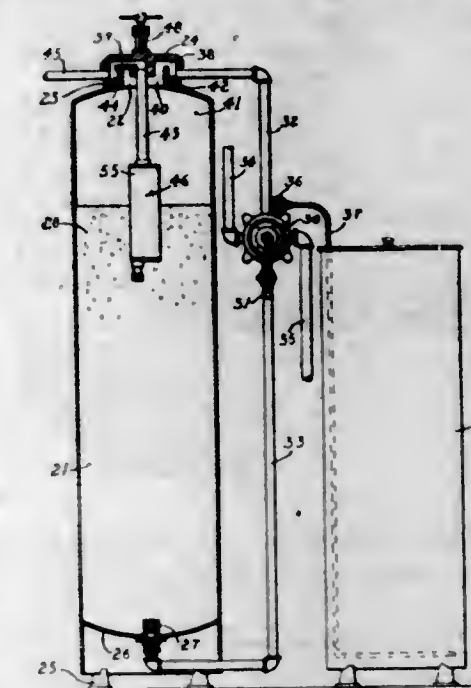
FLUID CONDITIONING TANK CONTAINING CONDITIONING MATERIAL AND A RECEPTACLE THEREWITHIN CONTAINING DIFFERENT CONDITIONING MATERIAL

Chester T. McGill, Elgin, Ill.

Application December 7, 1942, Serial No. 468,071
5 Claims. (Cl. 210-24)

2. In a fluid conditioning apparatus, the combination of a tank containing fluid conditioning material, said tank having a top opening provided therein communicating with a free-board space in said tank above the material therein, a removable closure for said top opening, an auxiliary fluid conditioning receptacle that is of a size removable through said opening and contains another kind of fluid conditioning material, said auxiliary receptacle being attached to said closure and suspended therefrom in said tank and communicating with the interior of said tank whereby said receptacle is subject to substantially the same fluid pressure within and without and fluid flowing from said tank through said auxiliary receptacle is subjected to conditioning by passage through the material in said auxiliary receptacle, and conduit means communicating with said tank adapted to be con-

nected for conducting fluid to and from the tank, said conduit means including at least one con-



duit communicating through said closure with said auxiliary receptacle.

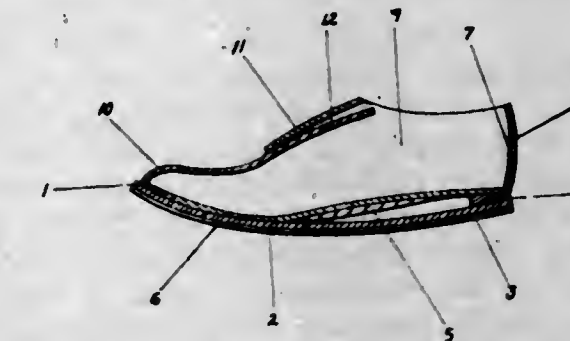
2,435,976

SHOE SOLE WITH CURVED GROUND-CONTACTING FACE

Eugene L. Monagin, United States Navy, Uvalde, Tex.

Application July 21, 1945, Serial No. 606,463
4 Claims. (Cl. 36-8.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A shoe comprising a substantially rigid arcuate base member having rearward and forward upwardly curved portions of radii of curvature approximating the length of the wearer's leg and the distance between his knee and the ball of his foot respectively, a lift secured to the rear part of the base member to elevate the heel of the shoe, a shank secured to the base member and the lift to provide arch support for the wearer, and a foot receiving and positioning means supported by, and attached to, the base member, lift and inner sole assembly.

2,435,977

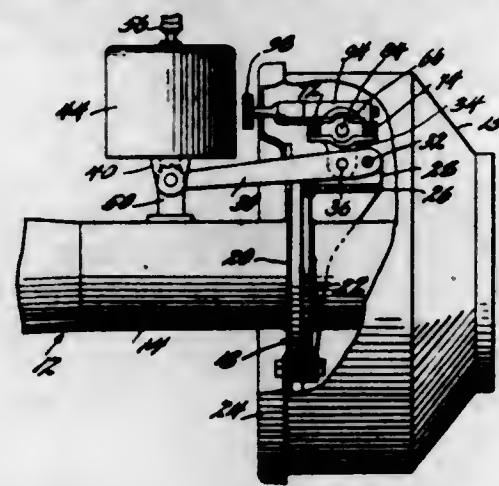
ACTUATOR ASSEMBLY FOR BRAKE MECHANISM

Mathew B. Morgan, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application September 30, 1943, Serial No. 504,479
13 Claims. (Cl. 188-78)

1. In a brake mechanism adapted for association with a drum; a support; a pair of brake shoes carried by said support and engageable with said drum; and a movable wedge between adjacent free ends of said brake shoes operative to apply said brake by separating said brake shoe ends, said wedge comprising a radially movable carrier mounted on said support, a pair of cam members slidably supported by said carrier for

compensative movement relative to said carrier and cooperating with said brake shoe ends; and



brake adjusting means operatively connected with said cam members and movable with said carrier.

2,435,978

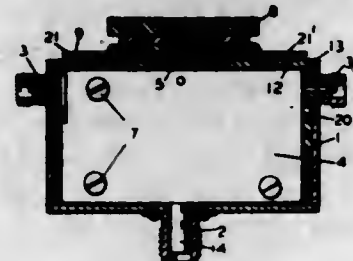
COAXIAL SWITCH

Thomas A. Newkirk, Fairfield, Ohio

Application August 4, 1944, Serial No. 548,122

4 Claims. (Cl. 200-6)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A multiple contact rotary switch of the character described comprising a cylinder provided with an axially disposed opening through its base and a plurality of coaxial terminal connectors comprising central conductors and disposed in the same circumferential plane in its side wall and each disposed approximately at right angles to the aforesaid axially disposed opening in a plane parallel to the cylinder axis, a block rotatably mounted within said cylinder and extending diametrically across the interior of said cylinder, said block comprising a pair of complementary plates each having a quarter-circle channel so extending in one continuous curve from one end of the axis of rotation to a point adjacent a diagonally opposite corner, that said channels, in assembled relation, may be brought into registration with the aforesaid axially disposed opening and a predetermined coaxial terminal connector, a conductor within said channel to contact the predetermined coaxial terminal conductor, and means automatically, yieldingly retaining said block in respective selected position.

2,435,979

MECHANICAL TIME FUSE

Benjamin B. Patton, Philadelphia, Pa., assignor to the United States of America, as represented by the Secretary of War

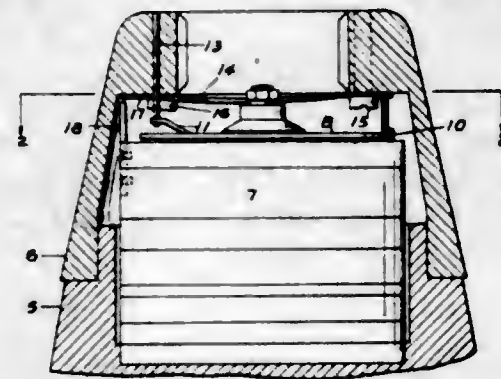
Application January 23, 1939, Serial No. 252,420

1 Claim. (Cl. 102-84)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a fuse, a casing comprising relatively rotatable parts, a clockwork mechanism carried by one of the parts of the casing and including a rotatable timing disk with an offset leaf, a setting pin fixed in the other part of the casing and engageable with the leaf, a spring hammer car-

ried by said other part of the casing and adapted to be moved on setback to disengage the leaf from the setting pin, and means fixed to the clockwork



mechanism and interposable between the latter and the spring hammer for opposing movement of the hammer in one position of adjustment of the relatively rotatable parts of the casing.

2,435,980

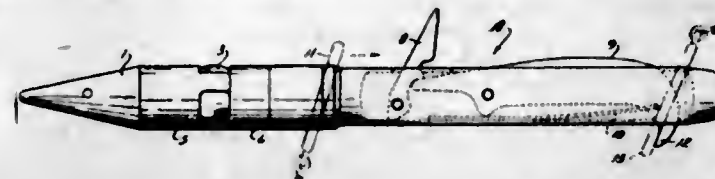
TOW TARGET EXCHANGE DEVICE

Marvin L. Pyle, Los Angeles, Calif.

Application October 25, 1944, Serial No. 560,295

1 Claim. (Cl. 273-105.3)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A tow target exchange device comprising a body including a nose piece adapted to be attached to a tow line and an elongated housing element having therein a detent mechanism adapted to releasably secure a tow target, and a universal joint comprising a retaining member secured to said nose piece and a second retaining member secured to said housing element and a spherical member retained between said retaining members whereby said body is pivotally articulated intermediate said nose piece and said housing element for the purpose of providing a straight path for movement of an exchange target between said tow line and said nose piece, said body being of substantially cylindrical shape to permit unobstructed passage of the exchange target from the nose piece to the detent mechanism of the housing element when said nose piece and housing element are aligned.

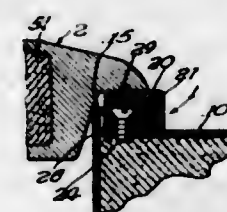
2,435,981

HOT-WATER TANK

Emanuel Rawson, Chicago, Ill., assignor to Rite-Way Products Company, Chicago, Ill., a corporation of Delaware

Application November 15, 1945, Serial No. 628,914

3 Claims. (Cl. 219-38)



1. A hot water tank comprising an inner open top cylinder, an outer casing within which the cylinder is located, there being a space between the cylinder and the casing, electric heating means for heating the contents of the cylinder, an outwardly extending flange around the top of the cylinder, a strip of flexible heat insulating gasketing material having a lengthwise extending slot therein, said strip extending completely

around the periphery of said flange with the flange entering the slot so that the strip embraces the upper and the lower surfaces of the flange, said flange being located above said outer casing and supported thereby with the portion of the heating insulating strip that is on the under side of the flange serving as a heat break in the heat conducting path from the flange to the outer casing, the portion of the strip above the flange serving to heat insulate the top of the flange against the danger of injuring a person who might otherwise touch the flange, and a cover for the cylinder, said cover resting on the portion of the strip above the flange which acts as a sealing gasket for the cover.

2,435,982

FUEL SYSTEM FOR AIRCRAFT

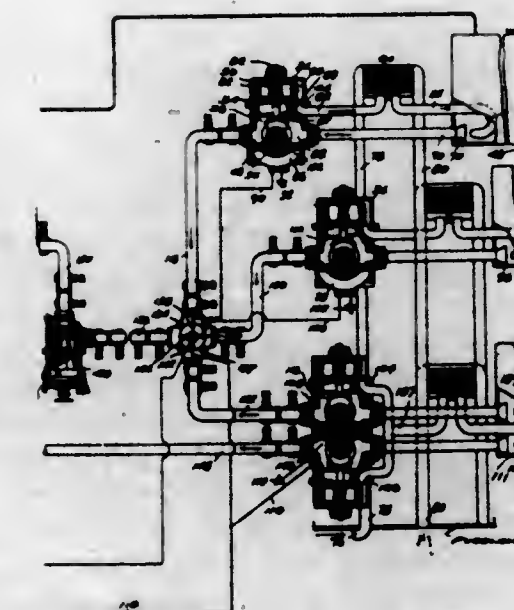
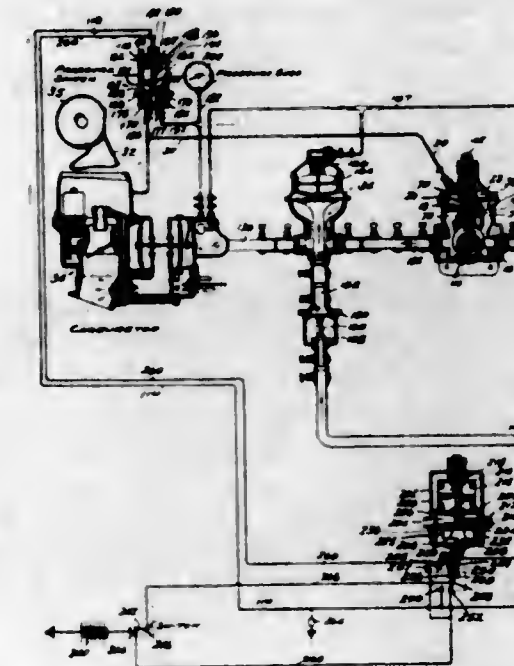
David Samiran, Osborn, and John S. Mills,

Bryan, Ohio

Application July 9, 1943, Serial No. 494,128

11 Claims. (Cl. 158-36.4)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aircraft, the combination of an engine, a manual switch, a carburetor, an air eliminator, an engine pump having its discharge side connected through said eliminator to said carburetor and having capacity in excess of engine consumption, a supercharger, a supercharger-controlled relief valve for returning excess fuel from the discharge side to the suction side of said engine pump and a by-pass valve for conveying fuel from said suction to said discharge side when said pump is inoperative, with the improved high altitude fuel system which comprises

a plurality of fuel tanks, an electric motor driven booster pump for each tank, each said booster pump having its suction side connected to its tank, an electric motor driven auxiliary pump having its suction side connected to one of said tanks, each electric motor driven pump having a relief valve arranged to be controlled by the pressure of the surrounding air for returning excess fuel from the discharge side back to the intake side, and a by-pass valve for passing fuel from the suction to the discharge side when the pump is inoperative, a combined selector valve and selector switch, a common conduit connecting the suction side of the engine pump to said selector valve, separate conduits connecting said selector valve to the discharge sides of said booster pumps, the selector switch being so associated with the selector valve that when a tank is selected by said valve an electrical connection is made to the pump of the selected tank, a conduit connecting the discharge side of the auxiliary pump and of the engine pump together, a check valve in the last said conduit biasing to prevent flow from the discharge side of the engine pump to the discharge side of the auxiliary pump, a source of electrical energy, an air-pressure-controlled switch operative by the pressure of the surrounding air at a predetermined altitude to connect said source through the manual switch and the selector switch to the motor of the selected booster pump, a supercharger-controlled pressure-responsive switch operative at a pre-selected drop in pressure at the discharge side of the engine pump for connecting said source through the manual switch to the auxiliary pump motor, a control switch for manually disconnecting said source from said air-pressure-controlled switch and said supercharger controlled pressure-responsive switch, a priming switch for connecting said source to the auxiliary pump motor independently of the manual switch and a double-throw manual test and emergency switch operative one way for connecting said source through the selector switch to the selected booster pump motor independent of the manual switch, and the other way for connecting said source through the manual switch and the selector switch to the selected booster pump motor.

2,435,983

PRODUCTION OF LIQUID HYDROCARBONS

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 1, 1945,

Serial No. 632,289

8 Claims. (Cl. 260-677)

3. A process for producing normally liquid hydrocarbons which comprises reacting a monolefinic hydrocarbon and a monohaloalkane in the presence of a phosphoric acid catalyst at conversion conditions of temperature and pressure.

2,435,984

TUNABLE MAGNETRON

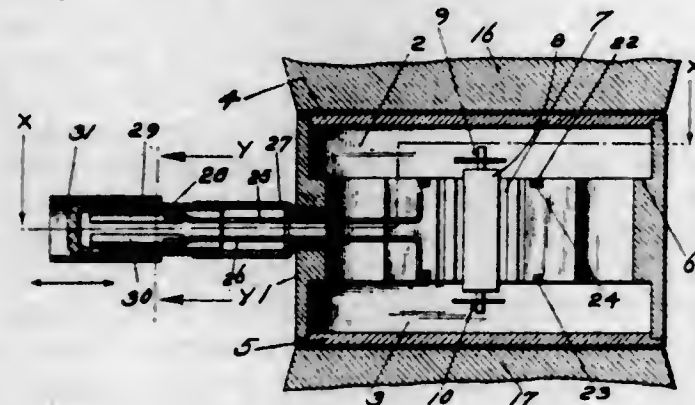
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application June 2, 1944, Serial No. 538,423

10 Claims. (Cl. 315-39)

1. A tunable electron-discharge device comprising: an evacuated anode structure having a dielectric wall portion; said anode structure defining at least one cavity resonator; a pair of condenser elements connected to points adapted to be at different relative potentials in at least

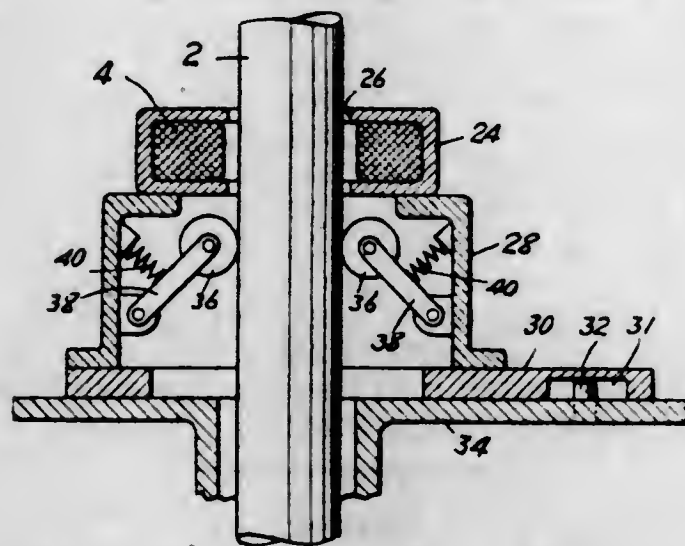
one such cavity resonator; said condenser elements being disposed within said anode structure, adjacent said dielectric wall portion; and means, external of said anode structure, and



capacitively adjustable with respect to said condenser elements through said dielectric wall portion, for altering the capacitance between said condenser elements.

2,435,985

ELECTROMAGNETIC APPARATUS FOR DETECTING FLAWS IN SUSPENDED PIPE
William H. Stewart and John W. Millington, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 12, 1942, Serial No. 454,500
2 Claims. (Cl. 175-183)



1. Apparatus for detecting flaws in suspended pipe comprising a coil surrounding said pipe, means for maintaining said coil and the axis of the pipe in substantially constant relationship during vertical movement of the pipe despite variations in pipe diameter throughout regions of greater extent along the pipe than said apparatus, means for causing current to flow in the portion of the pipe within said coil, and means for measuring the effect of such current upon the coil.

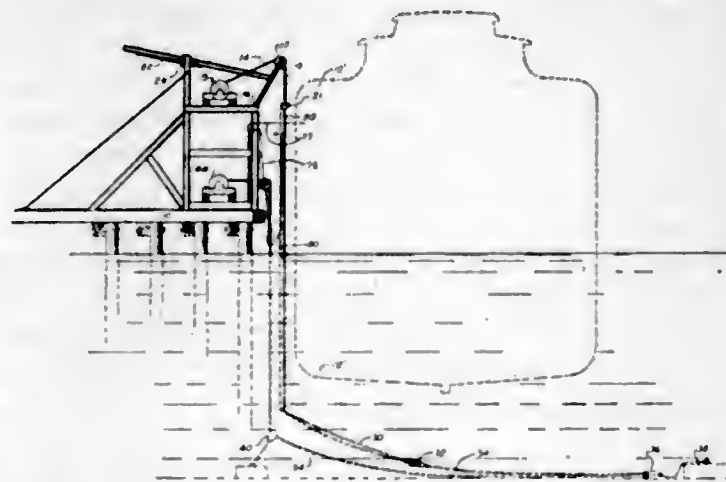
2,435,986

ANTIFOULING DEVICE

Ivan M. Taylor, Boston, Mass.; Innes Henry, Boston, Mass., administrator of said Taylor, deceased
Application February 18, 1943, Serial No. 476,359
25 Claims. (Cl. 204-224)

1. In apparatus of the class described, means for setting a hanging applicator against the hull of a vessel, comprising tackle whose fall, extending from a hauling station, passes under the position of the hull, through a pulley block of the

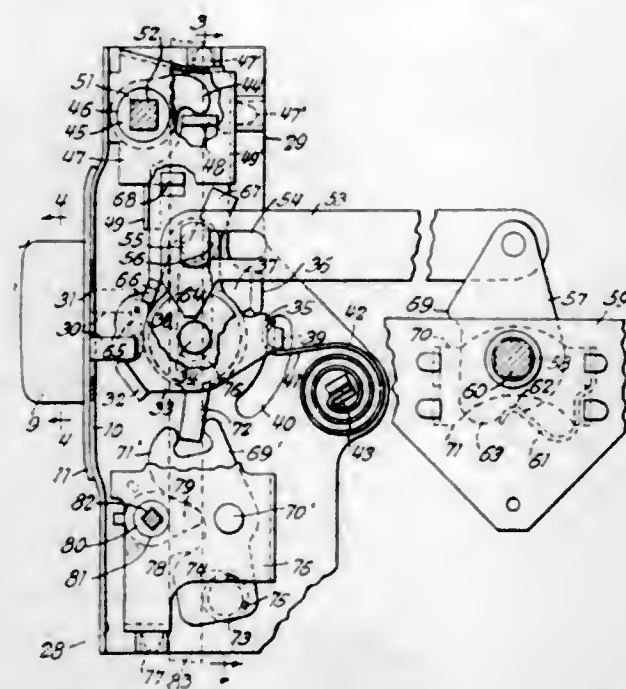
tackle fast beyond the remote side of the hull, and thence returns under said hull position for



purchase on a bottom portion of the hanging applicator.

2,435,987

AUTOMOBILE DOOR LATCH MECHANISM
William J. Tierney, Cletus L. Harmon, and Fred W. A. Villemure, Rockford, Ill., assignors to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application September 1, 1944, Serial No. 552,250
22 Claims. (Cl. 70-153)



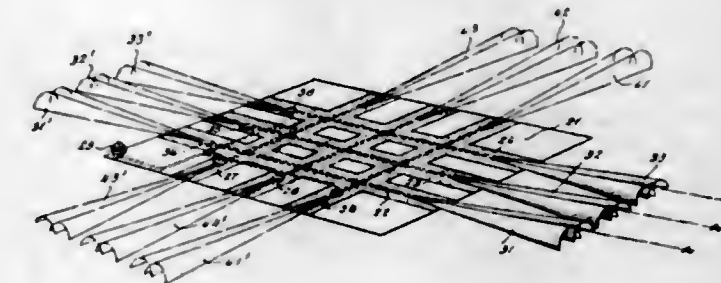
1. Latch mechanism for a door of a vehicle body, said door being mounted for swinging movement to and from closed position and adapted to have movably mounted therein a window pane with a portion of the path of movement of one of its edges in close proximity to a portion of the free vertical edge wall of the door, said mechanism comprising a spring-tensioned latch bolt element mounted for swinging movement in a plane parallel to said free vertical edge wall of the door toward and away from latching position, an outside operated handle arranged to turn a shaft extending substantially horizontally between the free vertical edge wall of the door and the window pane, a rotary roll-back disposed adjacent the inner face of the door substantially parallel to the window pane rotatable about a horizontal axis farther removed from the free vertical edge wall of the door than said handle shaft and operatively associated with said bolt element, a slide reciprocable in a plane parallel with said roll-back and operatively associated with the latter to retract said latch bolt element when said slide is reciprocated, means for translating rotary movement of the handle shaft to reciprocatory movement of said slide, a

rotary locking dog turning about the same axis as said roll-back and arranged to block movement of said slide when turned to a locked position, said locking dog having a projection which is disposed in the path of retracting movement of the latch bolt element when said locking dog is in locked position, whereby said latch bolt element moves said dog out of blocking position when the door is slammed, and inside operated retracting means operatively associated with said roll-back and locking dog so as to set said locking dog in blocking position when moved in one direction and retract said latch bolt element when moved in the opposite direction.

2,435,988

AIRCRAFT LANDING SYSTEM

Russell H. Varian, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application January 29, 1944, Serial No. 520,207
39 Claims. (Cl. 250-11)

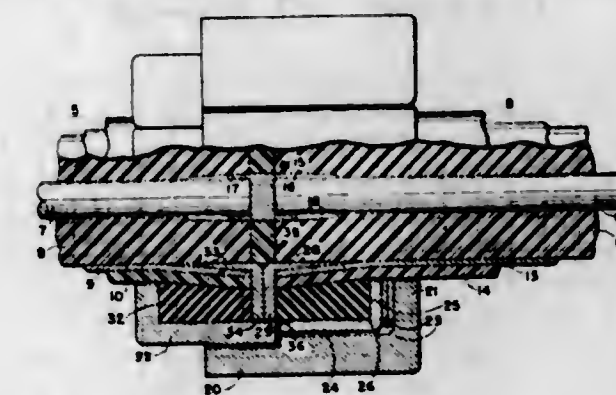


1. In a landing system for a landing area, apparatus for defining a plurality of parallel landing paths, comprising a plurality of apertured wave guide radiating systems, each of said systems being arranged substantially flush with the surface of said landing area, and means for supplying radio frequency energy to said radiating systems for projecting beams of radio energy to form parallel landing paths to said landing area.

2,435,989

CABLE CONNECTING DEVICE

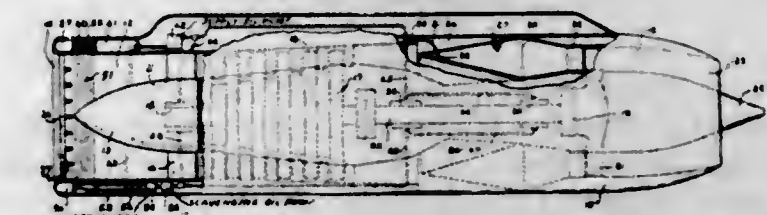
George C. Webster, Washington, D. C.
Application November 21, 1945, Serial No. 630,105
5 Claims. (Cl. 174-84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a connecting device for plural conductor coaxial type cable, a perforated annular wedge of electrically conductive material receivable in an end of said cable and engageable when so received with one of the conductors of said cable, said wedge when received in said cable end causing said cable end to be flared outwardly, and a fusible electrically conductive material associated with the perforations of said wedge for securing said wedge to said conductor and electrically connecting said wedge with said conductor.

2,435,990

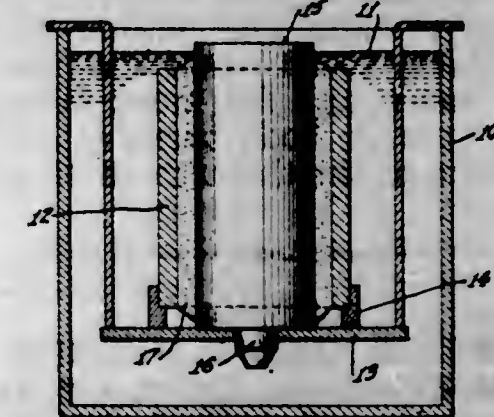
GAS TURBINE LUBRICATING OIL COOLING AND AIR INLET DEICING SYSTEM
Robert E. Weller, Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1945, Serial No. 611,020
2 Claims. (Cl. 60-35.6)



1. In an aircraft power plant comprising an air compressor, an inlet constituting an annular flow path for said air compressor, a combustion chamber for heating the air compressed by said air compressor, a gas turbine for driving said compressor, said turbine being motivated by the heated air leaving said combustion chamber, and an exhaust nozzle for discharging the heated air leaving said turbine to propel the aircraft; a plurality of bearings for said power plant, a forced feed recirculating lubrication system for said bearings, a coil type heat exchanger, disposed adjacent to and around said annular flow path at said air inlet, for cooling a portion of the lubricating oil, a grille disposed in said air inlet to prevent foreign objects from entering said air compressor and subject to ice formation thereon and consequent throttling of said air inlet, said grille being formed of a pair of groups of parallel spaced tubes, the groups being adjacent and at right angles to each other; said tubes providing a fluid flow path in parallel flow relation to said heat exchanger to cool another portion of the lubricating oil, a pumping means for withdrawing lubricating oil from said bearings, a distributing means for distributing the oil discharged by said pumping means, said distributing means controlling the proportionate flow of returning oil to said heat exchanger and to said tubes, which form the grille, to heat said grille to prevent ice formation thereon and to cool the oil flowing therethrough, and conduit means for returning the lubricating oil for recirculation after being discharged from said grille and said heat exchanger.

2,435,991

MANUFACTURE OF BIMETALLIC ARTICLES
Marshall G. Whitfield, Garden City, N. Y., assignor, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y., a corporation of Maryland
Application June 21, 1944, Serial No. 541,332
7 Claims. (Cl. 22-204)



1. The method of lining a bearing shell with lining metal, which consists in preliminarily conditioning the surface of the shell by immersing the same in a bath of the lining metal in the molten state, freezing a layer of said molten lin-

ing metal on said surface by transferring heat therefrom to a cold body in contact therewith, and applying pressure to said freezing lining metal as it cools by means of the thermal expansion of the body as it is heated by said transfer of heat thereto from the lining metal without removing the same from said bath.

2,435,992

PRINTING INK COMPOSITION

Herbert J. Wolfe, Maspeth, and Paul W. Greubel, Long Island City, N. Y., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 27, 1945, Serial No. 607,506

2 Claims. (Cl. 106—26)

2. A quick drying printing ink composition for application to web material used in the manufacture of containers, in combination a vehicle consisting of a cellulose compound of the class consisting of ethyl cellulose and nitro cellulose and 2-ethylhexyl alcohol as a solvent and wetting agent in proportions by weight of the finished composition of from 5 to 30 percent of the cellulose compound and from 40 to 60 percent of the solvent and a color pigment incorporated in said vehicle, said composition being further characterized by being substantially non-hygroscopic while on the printing press and odorless after drying, thereby protecting container contents against odor or off-flavor.

2,435,993

FISH LURE

Walter L. Zink, Dixon, Ill.

Application September 29, 1943, Serial No. 504,207

9 Claims. (Cl. 43—47)



1. A fish lure comprising a longitudinally extending through shaft, a suitably enlarged head fixed on the front end portion of the shaft, an elongated externally threaded spinner body mounted for rotation on its longitudinal axis on the shaft behind the head, said threaded spinner body being of such shape that any section on a plane including the longitudinal axis will define a contour wherein the portion representing each thread will appear as a line substantially perpendicular to said longitudinal axis and a line inclined relative to the first line at a substantial angle to said axis, said spinner body being disposed so that the substantially perpendicular faces of the threads are on that side toward the head, whereby to cause the spinner body to turn at an appreciable speed when the lure is drawn through the water, and fish hook means relative to which the spinner body turns attached to the rear end portion of the through shaft behind said spinner body.

2,435,994

STERILE NEEDLE HOLDER

Cecil M. Zukerman, Davenport, Iowa

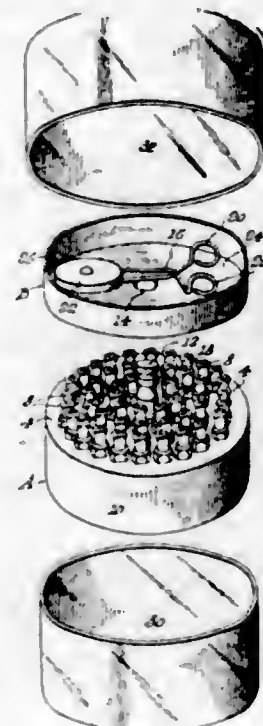
Application January 7, 1947, Serial No. 720,625

2 Claims. (Cl. 206—43)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A holder for hypodermic needles comprising, in combination, a holding unit including a sub-

stantially planar body portion provided with openings adapted to receive needle-holding portions of hypodermic syringes, annular flange means surrounding each opening and defining a supporting seat for the needle-holding portions of the syringes, an upstanding handle member projecting from the said planar body, a cover unit for the holding unit comprising a body portion having an opening therethrough to receive the handle member of the holding unit, releasable clip means mounted on the cover unit for



retaining the cover unit in position, the handle member permitting manipulation of the holding unit and cover unit together as an integral assembly for inserting the needles into sterilizing means and for removing the needles therefrom, and annular flange means depending from the planar body of the holding unit for a distance beyond the length of the needles, whereby the needles mounted in the holding unit are retained in the unit spaced from engagement with a supporting surface for the unit, thereby maintaining the said needles in sterile condition.

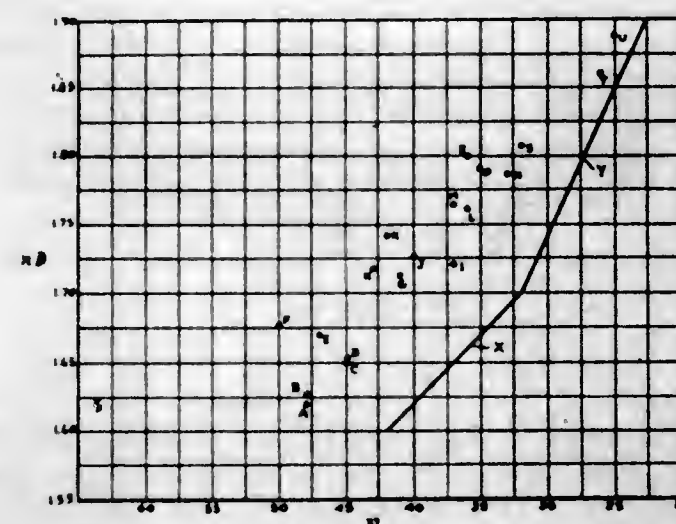
2,435,995

OPTICAL GLASS

William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application September 4, 1945, Serial No. 614,288

16 Claims. (Cl. 106—52)



1. A transparent optical glass which contains 20% to 80% CdO, 2% to 50% SiO₂, 0% to 30% Al₂O₃ and 0% to 40% B₂O₃ and which has an index of refraction for the D line (n_D) of at least 1.60 and a dispersive index (v) greater than both v=202—100 nD and v=111.4—46.6 nD.

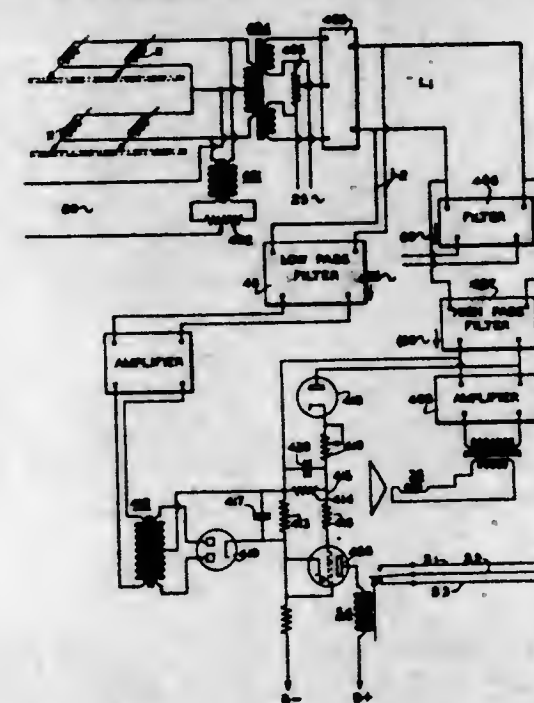
2,435,996

DETECTING AND ALARM SYSTEM

Clyde W. Baird, Columbus, Ohio

Application April 1, 1943, Serial No. 481,421

10 Claims. (Cl. 177—352)



9. Apparatus of the character described comprising in combination a circuit including a mechanical vibration-electrical transducer, a second circuit including a mechanical vibration-electrical transducer, means to impress a patrolling voltage on each of said circuits, an alarm device, and means responsive to variations in the ratio of patrolling current flowing in the respective circuits in control of the operation of said alarm device whereby an indication is given of any change in impedance in either of said circuits.

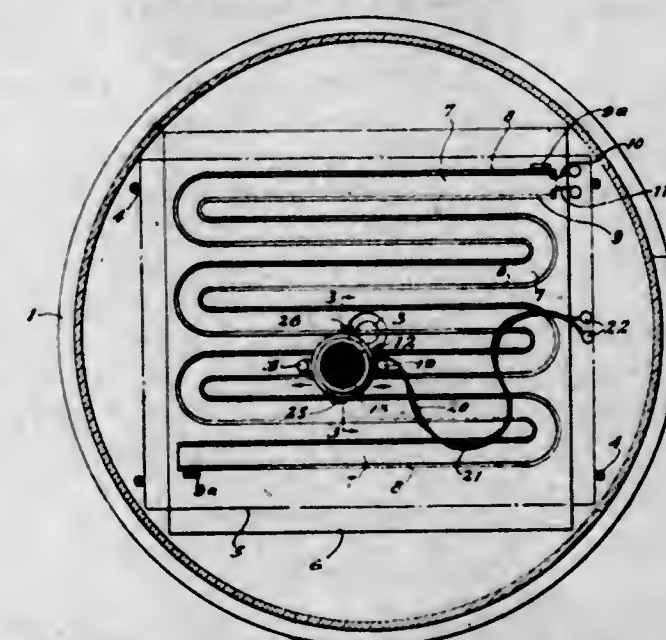
2,435,997

APPARATUS FOR VAPOR COATING OF LARGE SURFACES

Alva H. Bennett, Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association

Application November 6, 1943, Serial No. 509,236

7 Claims. (Cl. 91—12.2)



4. Apparatus for coating relatively extensive surfaces comprising a vacuum chamber, means for supporting an object to be coated within said chamber, a container for the coating material to be applied to a surface of said object, said container being movably supported within said vacuum chamber, means associated with said container for vaporizing the coating material therein, and means for producing movement of said container within said vacuum chamber along a network of paths distributed substantially uniformly relative to the surface to be coated.

607 O. G.—30

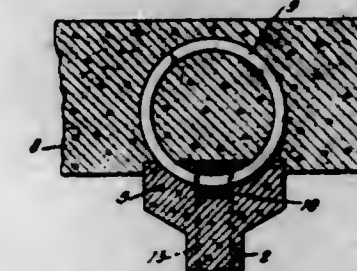
2,435,998

COMPOSITE PRESTRESSED CONCRETE BEAM AND SLAB STRUCTURE

Clement Paul Cuenl, Arlington, N. J., assignor to Forete Mfg. Company, North Arlington, N. J., a corporation of New Jersey

Application March 31, 1943, Serial No. 481,361

15 Claims. (Cl. 72—61)



1. A composite structure comprising a beam of concrete having a top flange, longitudinal reinforcing rods of steel therein, said rods being prestressed, a shear reinforcement member of steel embedded within said beam and extending above the top flange thereof, said member being in substantial contact with at least one of said rods and being gripped by concrete under compression, a concrete slab on top of said beam and united therewith through said shear member.

2,435,999

PROCESS FOR THE PRODUCTION OF MOLDING POWDER FROM A LOWER ALIPHATIC ESTER OF CELLULOSE

Henry Dreyfus, London, and James Henry Rooney and Bernard Shaw, Spondon, near Derby, England; Claude Benard, administrator of said Henry Dreyfus, deceased, assignors, by direct and mesne assignments, to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 9, 1944, Serial No. 521,644. In Great Britain October 16, 1942

13 Claims. (Cl. 106—177)

1. Process for the production of a molding powder from a lower aliphatic acid ester of cellulose which is insoluble in water, methanol, ethanol and the propanols, which comprises forming a filterable solution of a lower aliphatic acid ester of cellulose at a temperature above 70° C. in a homogeneous liquid mixture consisting of a normally liquid solvent plasticizer for the cellulose ester, 0—35% based on the weight of said solvent plasticizer of a non-solvent plasticizer therefor, selected from the class consisting of tricresyl phosphate and triphenyl phosphate, and at least one of the alcohols selected from the class consisting of methanol, ethanol and the propanols, allowing the solution to cool to about 25° C. while stirring, collecting the resulting homogeneous powder containing cellulose ester, plasticizer and alcohol, and evaporating alcohol therefrom.

2,436,000

TOWING APPARATUS

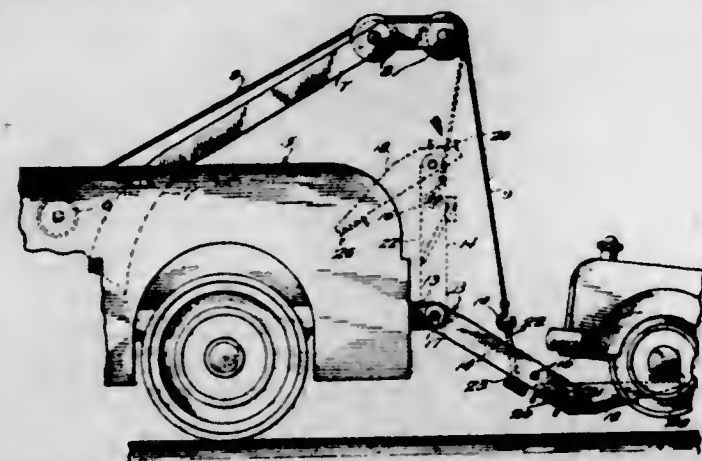
Gilbert J. Fleming, Marion, Ohio

Application November 8, 1945, Serial No. 627,445

4 Claims. (Cl. 214—86)

1. A towing boom for a towing truck having a hoisting mechanism mounted thereon including a rearwardly and upwardly extending inclined boom projecting beyond the rear of the truck and having guide pulleys at its rear upper end, and a hoisting line provided with a hoisting hook and extending over said pulleys, comprising a supporting section adapted to be rigidly secured

to the underside of the rear end portion of the truck frame and to project beyond the rear end of the truck frame, an intermediate section pivoted to the rear end of said supporting section for vertical swinging movement and projecting rearwardly therefrom, a rear section pivoted to the rear end of the intermediate section for vertical swinging movement and projecting rearwardly therefrom, means to limit downward



swinging movement of the rear section relative to the intermediate section to a position wherein the rear section may be horizontally disposed when the intermediate section is inclined rearwardly, a channel for engagement beneath the automobile to be towed, centrally swivelled on the rear end of the rear boom section for turning about a vertical axis relative to the latter, and means to connect the hoisting hook to the intermediate boom section.

2,436,001

PROCESS FOR THERMALLY WORKING MINERAL AND LIKE MASSES

John M. Gaines, Jr., Buffalo, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

No Drawing. Application February 11, 1943, Serial No. 475,528

3 Claims. (Cl. 255-1.8)

1. In a process for thermally working mineral and like masses comprising separating and removing material from such a mass by applying an oxy-fuel flame to a portion thereof while introducing into such flame a comminuted flux-forming fuel, the improvement which consists in introducing said flux-forming fuel as a flowing stream of a comminuted composition containing, by weight, 50% to 95% of aluminum, 1% to 15% of iron, and 3% to 45% of manganese.

2,436,002

FLUX-FORMING FUEL AND METHOD FOR THERMALLY WORKING MINERALS THEREWITH

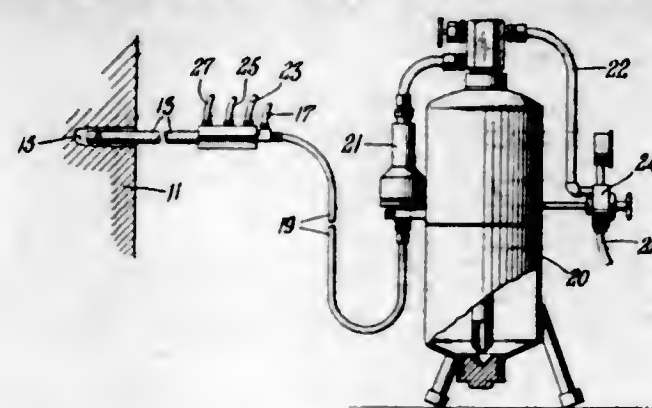
Virgil C. Williams, Evanston, Ill., assignor to The Linde Air Products Company, a corporation of Ohio

Application December 31, 1942, Serial No. 470,839

10 Claims. (Cl. 255-1.8)

5. In a process for thermally working mineral and like masses comprising separating and removing material from such a mass by applying an oxy-fuel flame to a portion thereof while introducing into such flame a comminuted flux-forming fuel, the improvement which consists in introducing said flux-forming fuel as a flowing stream of a comminuted unbonded intimate mixture of pulverulent aluminum, with particles of at least one combustible metallic material having relatively poor flowability and ignitability selected from the group consisting of iron, ferro-silicon, ferromanganese, zirconium-silicon, silico-

manganese, and calcium-silicon, the pulverulent aluminum being 0.1% to 10% by weight of said mixture and the remainder being substantially all



said particles of different metallic material, whereby a comminuted flux-forming fuel having improved flowability and ignitability is provided and the mineral working operation is expedited.

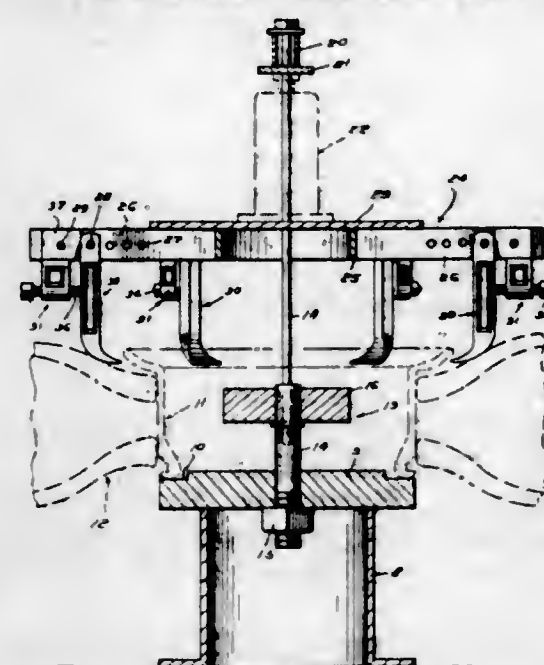
2,436,003

AXIALLY OPERATING-TYPE TIRE AND RIM SEPARATING MACHINE

Anthony J. Gosselin, Eureka, Calif.

Application November 9, 1944, Serial No. 562,669

4 Claims. (Cl. 157-6)



1. A spider assembly for use and association with a machine of the class described comprising a hub structure to accommodate a jack or the like, and a plurality of equidistant circumferentially spaced arms, each arm being composed of parallel bars, said bars being provided with longitudinally spaced pin-holes, a presser foot having a shank mounted between the bars and pivotally and adjustably held in place, a slide mounted between the bars and outwardly of the shank, said slide having a depending block, said block having a set screw, and said set screw being engageable with the intermediate portion of the adjacent shank.

2,436,004

SAW TREATING AND GRINDING MACHINE

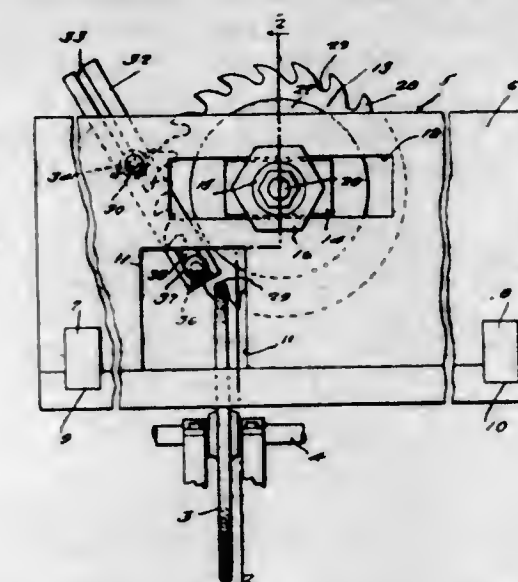
Samuel A. Hall, North Canton, Ohio

Application October 19, 1945, Serial No. 623,358

3 Claims. (Cl. 76-43)

3. In a saw-treating machine, the combination with a slotted table top having a rotatable grinding wheel extending partly through the top thereof, of a unit adapted to support a saw to be treated and mounted for reciprocal movement with respect to said wheel, said unit including an upstanding body portion having a horizontally-disposed slot extending transversely therethrough, a hollow tubular bushing slidably mounted within said slot, a plate on an end of said bushing and carried thereby, a shaft extending through said

bushing and said plate and adjustably mounted in said bushing, a first disk loosely mounted on said shaft and arranged in abutting relation with respect to said plate, a second disk loosely mounted on said shaft and arranged to hold a saw in abutting relation with respect to said disk, means on the end of said shaft adjacent said



second-named disk for fixedly locking said disks in assembled relation, and indexing means mounted on the outside of said unit, said indexing means including an arm having a boss on its outer end, and a withdrawable detent slidably mounted in said boss and actuable in one direction to successively engage the gullets of the saw when supported on said unit.

2,436,005

ELECTRICAL INSULATOR AND METHOD OF PRODUCING THE SAME

Bernard Hopps and Colin James Smithells, Rugby, England, assignors to Lodge Plugs Limited, Rugby, England, a British company

No Drawing. Application August 24, 1942, Serial No. 455,940. In Great Britain November 13, 1941

6 Claims. (Cl. 106-46)

1. A method of producing sintered electrical insulators consisting essentially of alumina, wherein a mixture containing at least 90% of aluminium oxide with a small percentage of sodium oxide sufficient only to produce from 1 to 10% of beta-alumina in the final product, 1/2 to 9% of silica and up to 5% of a material selected from the group consisting of the oxides of calcium (CaO) and magnesium (MgO), is finely ground and formed to any desired shape, and then sintered for a sufficient period at a temperature well below 1600° C. to form a dense and strong product containing an appreciable percentage of beta-alumina.

2,436,006

OVERHEAD DOOR

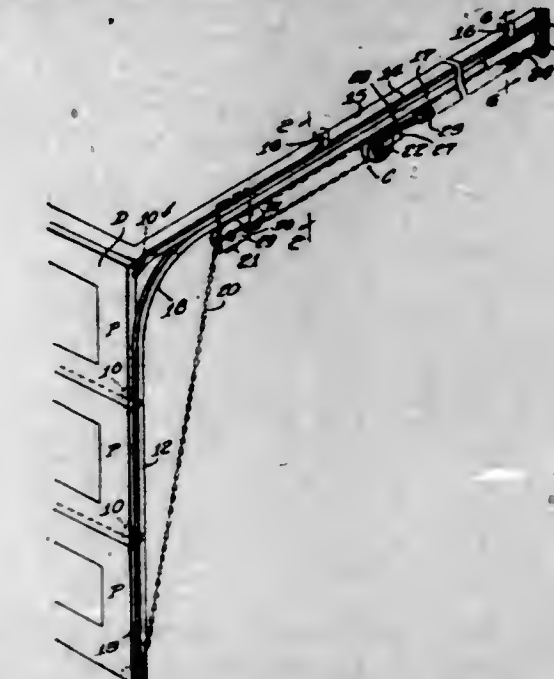
Frederick Kaiser, Elkins Park, Pa., assignor to Better-Bilt Door Company, Egg Harbor, N. J., a corporation of New Jersey

Application January 18, 1945, Serial No. 573,385

5 Claims. (Cl. 160-191)

1. An overhead door construction comprising a door having a plurality of panels hingedly connected to each other and adapted to close a door opening, a pair of horizontal tracks extending rearwardly from the top of said opening, said tracks being rigidly connected to each other and positioned one above the other in the same vertical plane, a vertical track spaced from the vertical edges of said panels and connected to the lowermost of said horizontal tracks, a counter-

balancing mechanism connected to said door and positioned below and in vertical alignment with



said horizontal tracks, said door panels having rollers riding in said tracks.

2,436,007

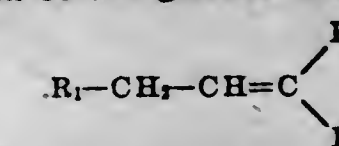
DYE INTERMEDIATES FOR COLOUR PHOTOGRAPHY

John David Kendall and Douglas James Fry, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company

No Drawing. Application May 3, 1945, Serial No. 591,831. In Great Britain May 12, 1944

8 Claims. (Cl. 95-6)

1. A process of colour photography which comprises developing a reducible silver salt image in a photographic element by means of an aromatic primary amino developing agent in the presence of a compound of the general formula:



where R₁ is an aryl group, R₂ is a group selected from the class consisting of —CN radicals, acyl, acylanilido, carboxy, alkoxy, carbethoxy, and nitro groups and R₃ is a group selected from the class consisting of the hydrogen atom —CN radicals, acyl, acylanilido, carboxy, alkoxy, carbethoxy, nitro and hydrocarbon groups.

2,436,008

SIGNALLING SYSTEM FOR RADIOACTIVE WELL LOGGING

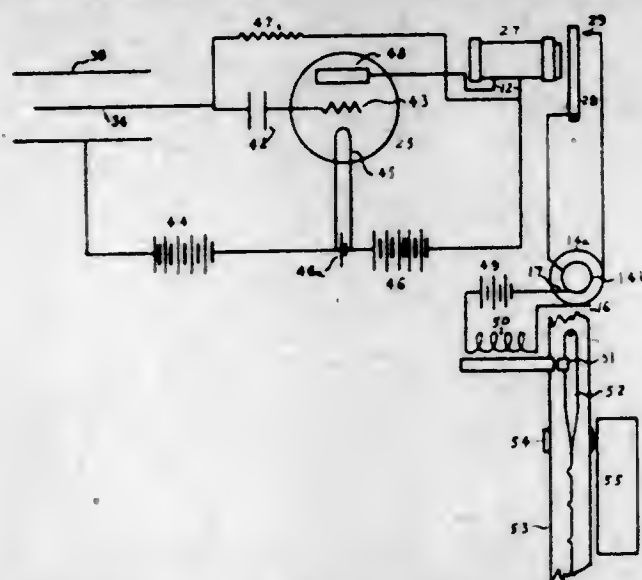
Shelley Krasnow, Arlington, Va., and Leon F. Curtiss, Montgomery County, Md.

Original application October 24, 1933, Serial No. 261,078. Divided and this application January 19, 1943, Serial No. 472,894

16 Claims. (Cl. 250-83.6)

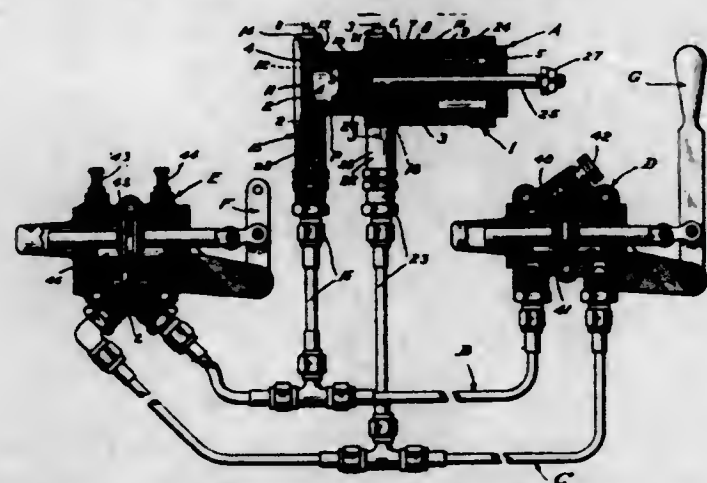
1. In an apparatus for the measurement of radioactivity in a deep narrow borehole, a holder of narrow lateral dimensions capable of fitting into the borehole and capable of being lowered to various depths therein, the said holder including a detector sensitive to rays from radioactive substances to produce responses thereto, and amplifying means to amplify said responses, a cable leading from the holder to the surface of the earth, a source of electrical energy connected to the said cable at the surface of the earth to provide the energy for transmitting signals up the cable, means carried by the said holder operated by the said amplifying means and controlling the energy conducted from the surface of

the earth in such manner as to create within the cable a pulsating signal having a property deter-



mined by the said rays, and means at the surface of the earth for receiving and recording the pulsating signal transmitted by the said cable.

2,436,009
THERMAL COMPENSATOR FOR HYDRAULIC SYSTEMS
Arthur E. Kremiller, Glendale, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application September 14, 1943, Serial No. 502,343
6 Claims. (Cl. 138—31)

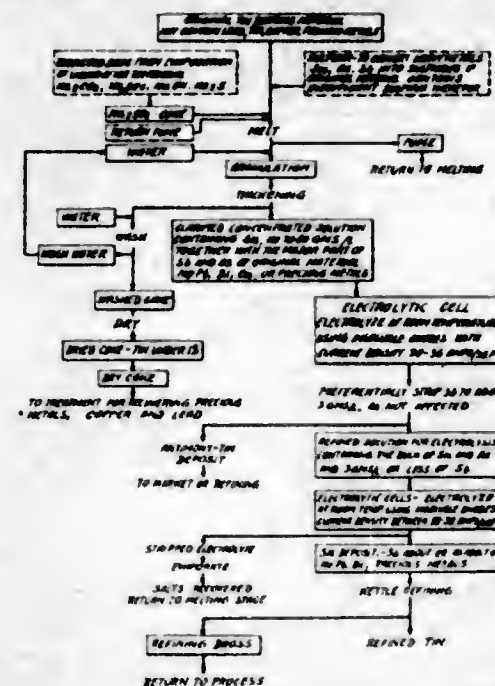


1. In a compensator for a dual fluid line hydraulic system, a housing closed at its ends and having coaxial cylinder bores one of which is of greater diameter than the other, means affording the communication of said bores with the fluid lines of the system including ports leading into said bores, a dual piston unit separating the bores in said housing and having connected and coaxial piston portions movable in said bores toward and away from said ports, and means in said housing for urging said piston portions toward said ports and maintaining under pressure fluid contained in said bores between said piston portions and said ports, said piston unit being hollow and receiving a portion of said means in the hollow thereof.

2,436,010
PROCESS FOR RECOVERING METALLIC TIN AND ANTIMONY-TIN ALLOY FROM SB-SN-AS BEARING MATERIALS
Yuri E. Lebedeff, Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application December 24, 1943, Serial No. 515,478
4 Claims. (Cl. 204—120)

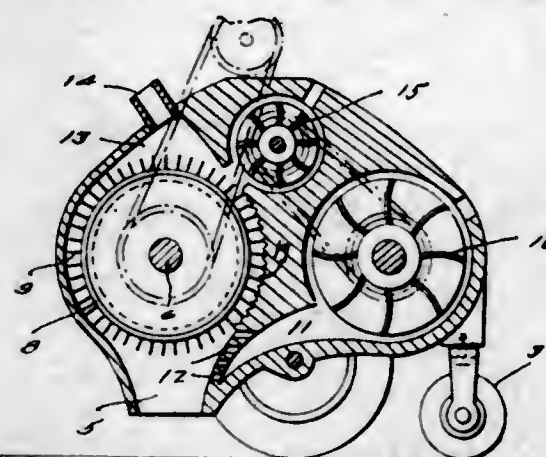
1. In the art of recovering tin from tin-bearing material containing antimony and arsenic wherein the tin-bearing material is smelted with material supplying alkali metal sulphide to con-

vert the tin, antimony and arsenic into sulphides which are dissolved in water forming a solution of considerably greater tin content than of antimony and arsenic, the method of recovering the tin substantially free from antimony, arsenic and other impurities, which consists in electrolyzing said solution having an antimony concentration of more than three grams per liter, at room temperature using insoluble anodes and a cathode current density of between 20 to 36 amperes per square foot and voltage of approximately 4, to preferentially strip the electrolyte solution of antimony in the form of an alloy



containing a relatively small amount of tin until the antimony content of the solution has been lowered to about three grams or less per liter concentration, thereafter, and without materially varying its chemical composition or concentration, subjecting the antimony depleted solution which is rich in tin to further electrolysis at room temperature using insoluble anodes and substantially antimony-free cathodes to deposit the tin preferentially of the arsenic, and discontinuing the electrolysis when substantially all of the tin has been deposited leaving the arsenic in solution.

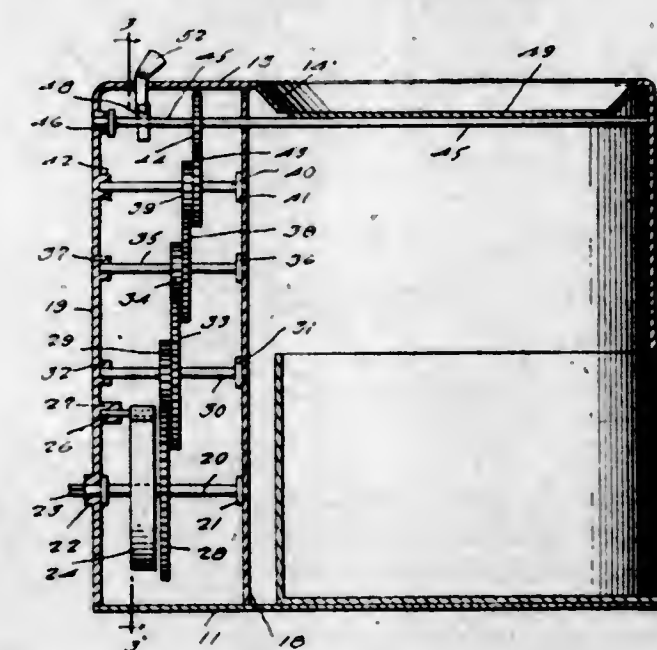
2,436,011
VACUUM LEAF PICKUP PULVERIZER
David H. Lucas, Knoxville, Tenn.
Application April 6, 1945, Serial No. 586,910
3 Claims. (Cl. 55—118)



1. A leaf disposal device comprising a body, an interior receiving chamber in the forward portion of said body, said chamber being provided with a downwardly facing inlet opening extending through its bottom and having an outlet opening in its outer wall adjacent the upper portion thereof, the exterior surface of the inner wall of said chamber being provided with an abrading means, a cylinder having abrading elements about its peripheral surface arranged within said chamber intermediate said inlet and outlet openings and mounted for rotation about a horizontal axis, the

abrading elements of said cylinder coating with said abrading means to thereby constitute a crushing means, suction means in association with said receiving chamber for causing leaves to be drawn upwardly through the inlet opening in said receiving chamber and delivering same to said cylinder, means for driving said cylinder in a direction such as to abrade the leaves between said crushing means, and means for expelling the crushed leaves from the receiving chamber.

2,436,012
ASH TRAY
Marshall F. Meadows, New Orleans, La., assignor of one-half to Vincent M. Musmeche, New Iberia, La.
Application October 16, 1945, Serial No. 622,524
5 Claims. (Cl. 232—1)

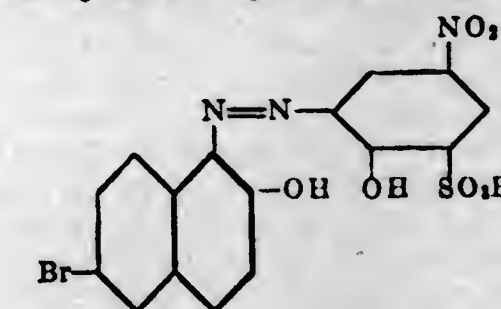


1. In an ash tray, a hollow body having an opening in its top, a disc vertically rotatable in said opening and of a size to practically close it when in horizontal position, a train of gears connected with the disc, a spring adapted to actuate the train of gears, and a manually operable stop restricting movement of said gears and springs to stop the disc in a position to close the opening.

2,436,013
MONOAZO DYE
Mordecai Mendoza, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 13, 1946, Serial No. 709,435. In Great Britain December 5, 1945

2 Claims. (Cl. 260—197)

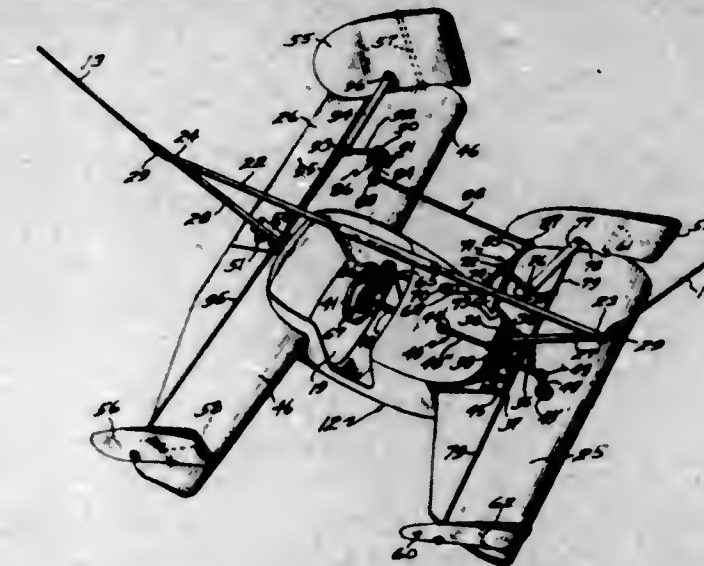
1. An azo dyestuff represented by the formula:



2,436,014
CIRCULARLY SWUNG CAPTIVE GLIDER
Joseph A. A. Messier, Northfield, Vt.
Application January 8, 1946, Serial No. 639,791
13 Claims. (Cl. 272—41)

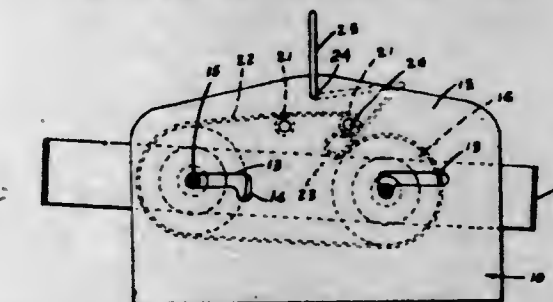
11. A captive glider embodying the hollow body of a passenger car, a front wing spreading laterally of the front end of said body, means pivotal-

ly coupling said wing to said body, a rear wing fixed to said car body spreading laterally thereof, an aileron pivotally coupled to said rear wing, a



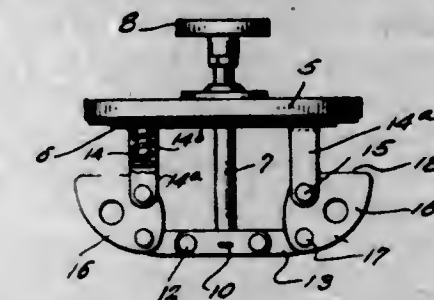
hanger from which said car body is pivotally suspended, and movement transmitting connections between said hanger and said front wing and between said hanger and said aileron.

2,436,015
CIGARETTE ROLLING DEVICE
Joseph M. Morris, San Bernardino, Calif.
Application December 21, 1945, Serial No. 636,326
3 Claims. (Cl. 131—47)



1. In a device of the character described, the combination of a frame including side walls having elongated slots therein, axes journaled in said slots, rollers carried by said axes, an auxiliary frame having apertures therein, said axes passing through said apertures whereby said rollers are maintained in spaced relation, a flexible belt surrounding said rollers, and auxiliary rollers spaced between and above said first-mentioned rollers and journaled in said side walls.

2,436,016
TANK CAP LOCK
Rufus A. Myers, Chicago, Ill.
Application August 30, 1944, Serial No. 551,896
1 Claim. (Cl. 220—25)



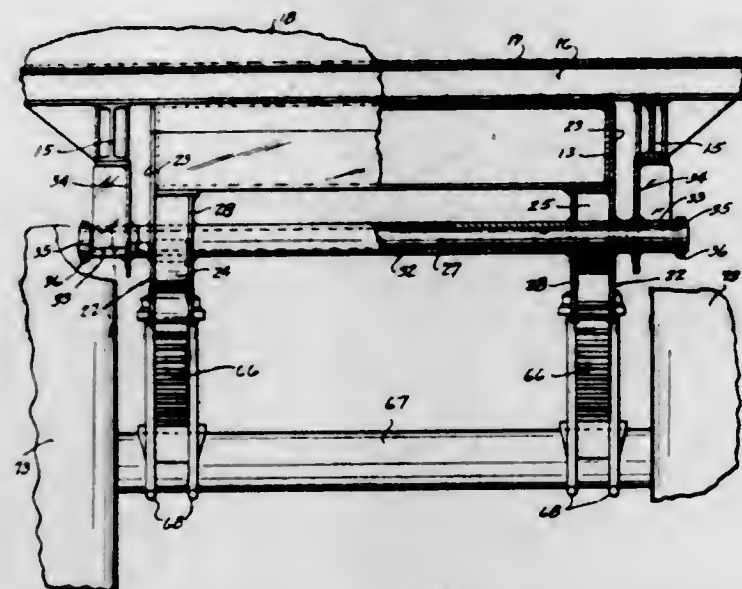
A tank cap adapted for closing an opening in a tank comprising a disk adapted to fit over said opening, legs mounted on said disk and adapted to be extended into said opening, segmental three-cornered cams with a straight edge in a substantially common plane in operative position pivoted at the inner corner adjacent the straight edge corner thereof on the lower ends of said legs for swinging movement to engage the straight edge thereof under the edge of said opening, an axial plunger slidable in said disk and having a lower end head, and links connecting said head

with the inner corner remote from the straight edge corner of said cams whereby sliding of said plunger will swing said cams, said legs being U-shaped to provide longitudinal guide slots therein, said cams swinging in said slots and being thereby prevented from lateral play, the mounting for said legs comprising studs on said disk on which said legs are slidably mounted and spring-tensioned whereby said straight edges of said cams are adapted to yieldingly engage the under edge of the opening to compensate for variations in the thickness of the material surrounding the opening.

2,436,017

DUMP TRAILER

John J. Powers, St. Louis, Mo.

Application March 1, 1946, Serial No. 651,058
9 Claims. (Cl. 298-17)

1. In a vehicle of the character described, a dump trailer unit which comprises a main chassis including longitudinally extending load-carrying members, depending frame structures secured to each of said load-carrying members, pivot-forming means carried by and extending between said depending frame structures, a load-carrying body mounted on said load-carrying members of the main chassis and including longitudinal members arranged in laterally spaced relation to straddle said load-carrying members, and means secured to each of said body members for connection with said pivot-forming means to permit pivotal movement of said body into load dumping position.

2,436,018

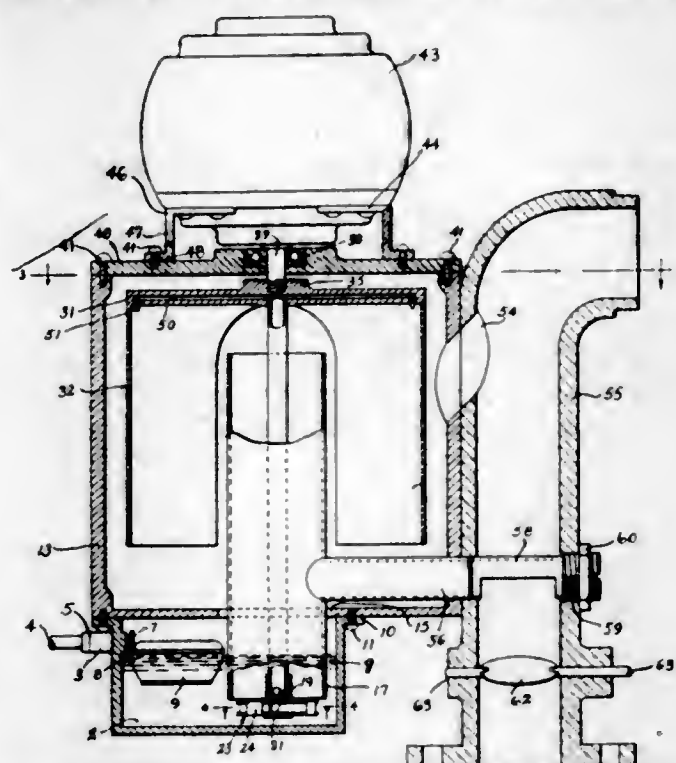
FUEL CONDITIONING DEVICE

Wesley T. Rhoten, Miamiville, Ohio

Application November 20, 1945, Serial No. 629,874
2 Claims. (Cl. 261-91)

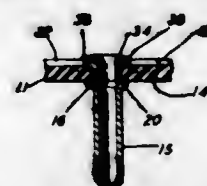
1. In combination, an air intake pipe having a throttle valve therein, a main casing associated with the air intake pipe and having an opening near to its top communicating with a corresponding opening of the air intake pipe at a point above the throttle valve, a revolvable drum having radially inwardly extending fins disposed in the main casing with its outer wall extending below the opening of the main casing with the air intake pipe, rotatable means on the casing for revolving the revolvable drum, said revolvable drum having a top portion with radially outwardly extending conduits therein, the outer ends of these conduits communicating with the interior of the drum, chamber means containing liquid fuel connected to the bottom of the main casing, a central pipe extending down from the top portion of the revolvable drum and communicating with the radial conduits thereof and

adapted to enter the liquid fuel to cause the liquid fuel to be raised as the drum is rotated and distributed to the radial conduits thereof, whereby liquid fuel will be delivered to the outlets of the radial conduits and to the interior of the drum, a withdrawal sleeve surrounding the central pipe and spaced therefrom to receive air and fuel mixture formed within the revolvable drum from air entering the main casing from the air intake pipe and drawn upwardly into the space within the revolvable drum from its bottom



opening thereof, a branch pipe extending from the withdrawal sleeve into the air intake pipe at a point between the air inlet to the main casing and the throttle valve, and outlet means in the bottom of the main casing for returning such heavy particles of the fuel which have not mixed with the air to the fuel chamber, the lower end of said withdrawal sleeve communicating with the liquid fuel chamber to extract such heavy particles of fuel which have not mixed with the air from the mixture.

2,436,019

ARTICLE SUPPORTRobert W. Rosendale, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 3, 1944, Serial No. 547,923
3 Claims. (Cl. 173-361)

1. A base for an electrical unit comprising a body having a circular arrangement of apertures therein and an annular groove in one surface thereof traversing the apertures and being smaller in width than the diameters of the apertures, and hollow terminals disposed in each of the apertures with certain portions of their adjacent ends bent outwardly into engagement with the said surface and other portions thereof forced into the annular groove.

2,436,020

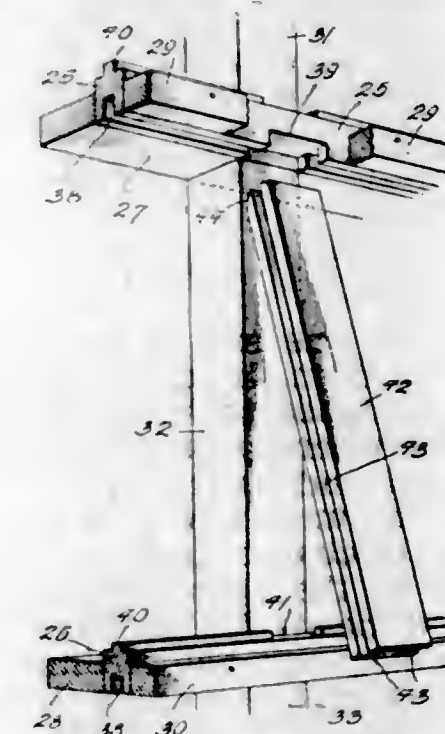
SLIDING WINDOW

Frank McM. Sawyer, Miami, Fla.

Application September 23, 1944, Serial No. 555,524
8 Claims. (Cl. 20-52)

6. In a window, a frame having right and left stiles, upper and lower horizontal rails extending

between and secured to said stiles, right and left horizontally slidable closures engaged with said rails for removal by successive lifting, lateral swinging and lowering operations, said stiles having vertical slots through which said closures are slidable respectively, a central, rigid, one-piece, vertical post extending from one of said rails to the other and having seats substantially throughout its length to receive the inner ends of said closures, said post normally prohibiting inward

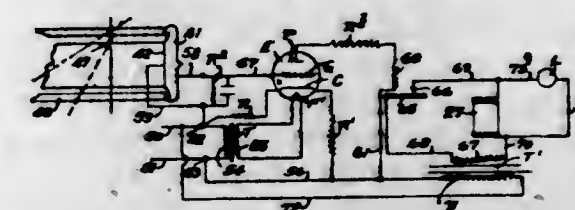


sliding of said closures entirely from said slots and thereby prohibiting performance of the aforesaid closure removal operations, and means on said frame for engaging the upper and lower ends of said post for securing it in its central position and permitting it to be quickly detached as a unit when said closure is to be removed; whereby upon removal of said post, either closure may be inwardly slid from its respective slot and said closure removal operations may be performed.

2,436,021

ELECTRIC WARP STOP MOTION FOR LOOMS

Victor F. Sepavich and John C. Manoog, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application May 10, 1945, Serial No. 592,987
2 Claims. (Cl. 139-353)

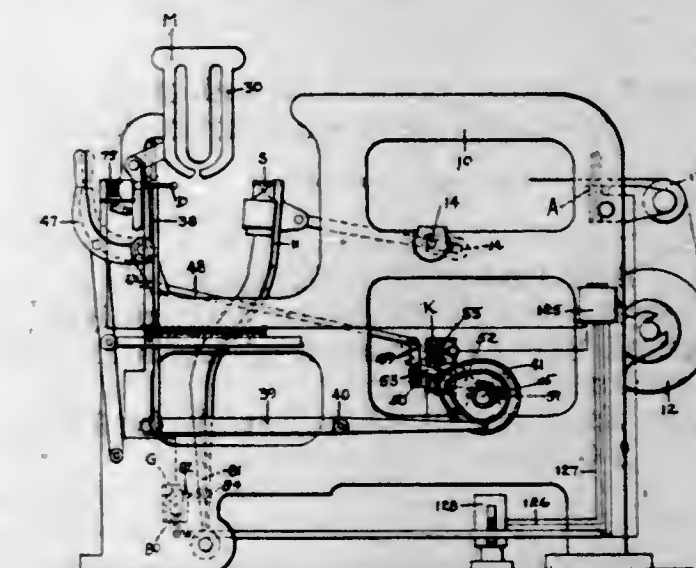
1. In an electric warp stop motion for a loom having an electromagnetic device which when energized effects loom stoppage and wherein a fallen drop wire electrically connects the insulated electrodes of a contact bar, a source of electric power, an electronic tube, electric circuit means including the source, tube and device tending normally to energize the latter, a grid forming part of the tube, and a resistance connected to the grid and connected electrically in parallel with said electrodes and normally cooperating with the grid in such manner as to maintain the grid in such electric condition as to prevent operation of said electric circuit means, the fallen drop wire when electrically connecting said electrodes being effective to short-circuit said resistance, thereby altering the electric condition of the grid so that

the latter cannot prevent operation of said electric circuit means, whereupon said source energizes said device by an electric current flowing through said tube.

2,436,022

ELECTRIC LOOM CONTROLLING MEANS

Victor F. Sepavich and John C. Manoog, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application May 21, 1945, Serial No. 594,964
12 Claims. (Cl. 139-233)

5. In a loom having an electric weft detector contact which is closed upon indication of weft exhaustion and corresponds to a detector electromagnetic device which when energized initiates a weft replenishing operation, the loom having also a warp stop contact which is closed upon occurrence of a warp fault and corresponds to a warp stop electromagnetic device which when energized causes loom stoppage, an electronic tube including a grid which when in normal condition prevents flow of current through the tube, grid control means connectable to said contacts one at a time and effective when connected to a closed contact to create an abnormal condition of the grid which permits current to flow through the tube, a pair of device circuit means closable one at a time and each including the tube and one of said devices, each device circuit, when closed and current is flowing through the tube causing energization of the corresponding device, and selector means causing the contacts to be connected alternately to the grid control means and closing each device circuit means when the corresponding contact is closed.

2,436,023

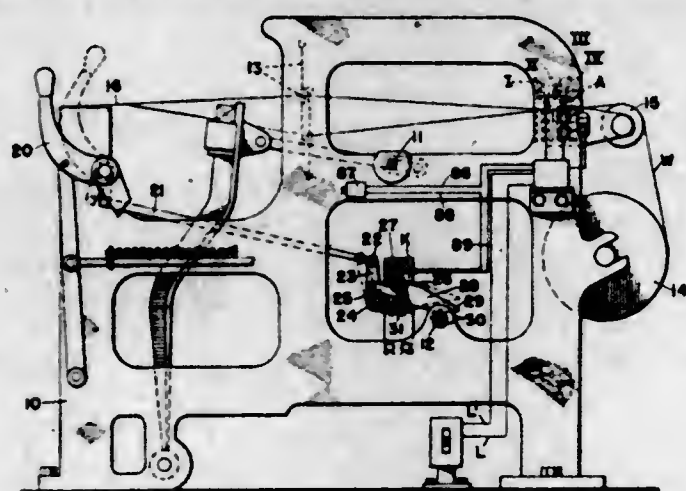
ELECTRIC WARP STOP MOTION FOR LOOMS

Victor F. Sepavich and John C. Manoog, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application May 4, 1946, Serial No. 667,294
23 Claims. (Cl. 139-353)

1. In an electric warp stop motion for a loom having an electromagnetic device which when energized effects loom stoppage and wherein a fallen drop wire electrically connects two insulated electrodes of a contact bar, a source of electric power, an electronic tube including a grid, electric circuit means including the source, tube and electromagnetic device normally maintained inoperative by the grid when the aforesaid electrodes are not electrically connected, and electric means controlled by said drop wire and

effective upon electric connection of electrodes by said drop wires thereby to effect a change in



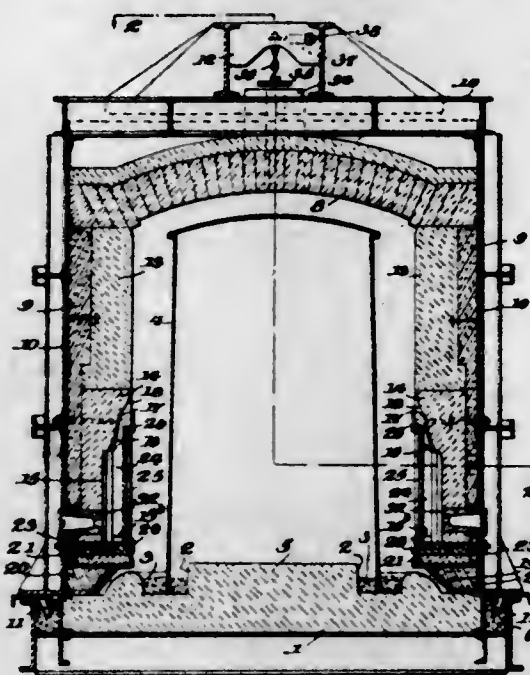
the grid and thereby enable said electric circuit means to energize the electromagnetic device.

2,436,024

ANNEALING FURNACE

Leander Eugene Smith, Kokomo, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana

Application January 20, 1942, Serial No. 427,505
5 Claims. (Cl. 263-43)



1. In an annealing furnace of the type having a charge-receiving hearth, a removable inner cover for the charge, and a removable outer cover spaced from the inner cover to form a heating and combustion chamber therewith; a series of burners carried by the outer cover, and extending at right angles to the side wall of the latter, a lining for the outer cover forming one wall of a heat conducting passage for the gases and having a substantially straight portion disposed above the burners and further having an inwardly bulged portion and an upper portion extending vertically upward from said inwardly bulged portion, a bottom for the passage located beneath the burners, and a vertically disposed corrugated baffle forming the other wall of the passage disposed between the burners and the inner cover and spaced from each thereof, and having its upper end spaced below the upper inclined portion of the first-named wall of the passage.

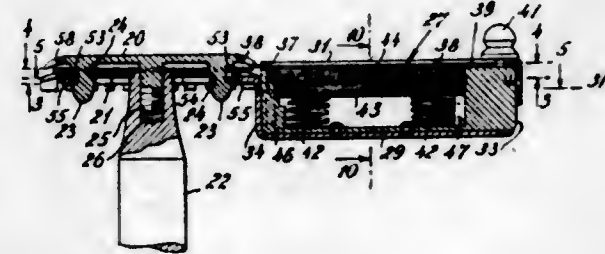
2,436,025

SAFETY RAZOR AND BLADE MAGAZINE THEREFOR

Warner Steinbach, Maplewood, N. J.
Application March 2, 1945, Serial No. 580,594
7 Claims. (Cl. 30-40)

1. The combination of a double-edge safety razor and a removable blade-feeding magazine

therefor; the razor comprising a cap, a guard plate and means for moving them relative to each other to clamp and unclamp a blade, the cap having depending, blade-locating pins and the guard plate having holes to receive the pins, the pins having slots located below the guard plate when cap and guard plate are in blade-clamping position; the magazine comprising a casing for a stack of double-edge blades, each blade having a longitudinal slot open at one end, a blade dis-

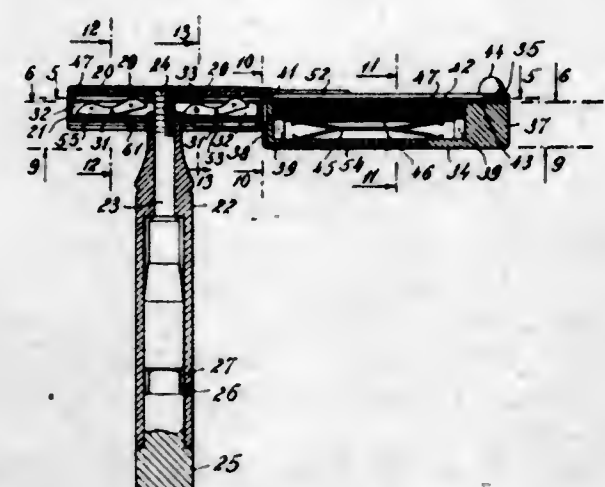


charge passage at one end of the magazine, a tongue extending from the discharge end of the magazine and designed to enter the transverse slots in the pins, whereby turning the handle to separate the cap and guard plate clamps the tongue against the underside of the guard plate with the blade discharge passage aligned with the dull blade in the space between cap and guard plate, and means for discharging a single blade from the magazine and feeding it between cap and guard plate while ejecting the dull blade.

2,436,026

SAFETY RAZOR AND BLADE MAGAZINE THEREFOR

Warner Steinbach, Maplewood, N. J.
Application April 13, 1945, Serial No. 588,104
9 Claims. (Cl. 30-40)



6. A blade magazine for a double-edge safety razor having a blade-clamping cap and guard plate, comprising a casing for a stack of double-edge blades each having a longitudinal medial slot, closed at its ends, and corner notches, a blade-discharge passage at one end of the casing, fingers extending from the discharge end of the casing designed to hold and grasp between them the cap and guard plate of the razor, and means for discharging blades from the magazine one by one.

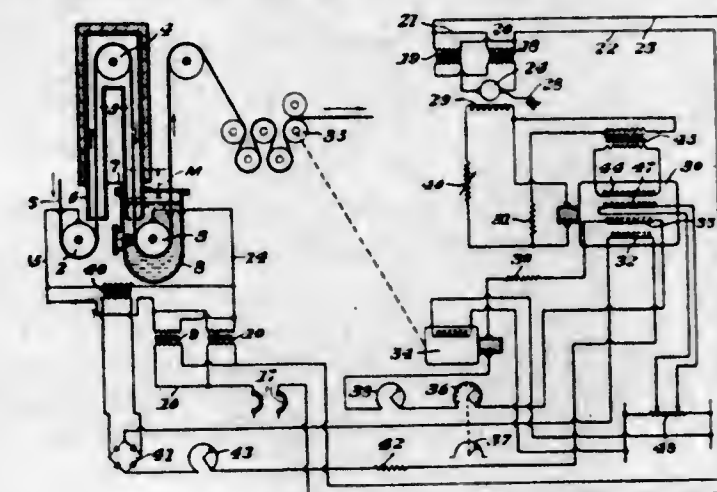
2,436,027

APPARATUS FOR CONTROLLING THE ELECTRIC HEATING OF CONTINUOUS METALLIC ARTICLES

Edwin Earl Vonada, Duquesne, and William E. Winterhalter, Dravosburg, Pa.
Application October 12, 1944, Serial No. 558,356
9 Claims. (Cl. 219-11)

1. In combination with a conductor roll for supplying current to a continuous metallic article as it passes thereover, means for driving the

article so as to pull the same over the conductor roll, means for supplying alternating current to said conductor roll and said article for heating the same, means controlled by speed of the article for establishing a reference voltage proportional to heating power voltage and having an approximate root mean square characteristic, an amplifying exciter for controlling the current supplying means to vary the voltage supplied to the article as its speed varies, and

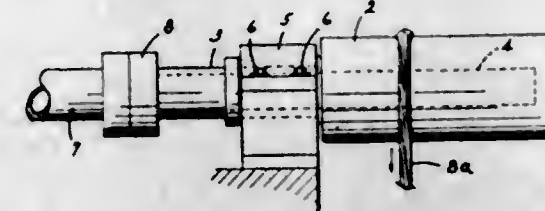


a pair of field circuits for controlling the output voltage of the exciter, said reference voltage being applied to one of said field circuits to produce a flux to vary the output voltage of said exciter, means for rectifying the heating power voltage, said rectified voltage being applied to the second of said field circuits to produce a flux in opposition to the flux of the first field circuit whereby the heating necessary to maintain a predetermined temperature is applied in the strip as its speed varies.

2,436,028

MICROPOROUS ROLL FOR DRYING CONTINUOUS FILAMENTS

James G. Wiegink, Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 19, 1944, Serial No. 568,881
5 Claims. (Cl. 34-9)



1. Apparatus for withdrawing moisture from a traveling moisture-laden fibrous product solely by capillarity which comprises a single rotatable roll which is microporous and of sufficient thickness to be substantially resistant to the passage of air therethrough, said roll being closed at one end and having an effective material-receiving outer surface and a centrally disposed bore terminating short of the closed end of the roll, and suction means communicating with said bore for continuously applying suction simultaneously to all portions of the inner surface of the roll which defines the bore within the roll.

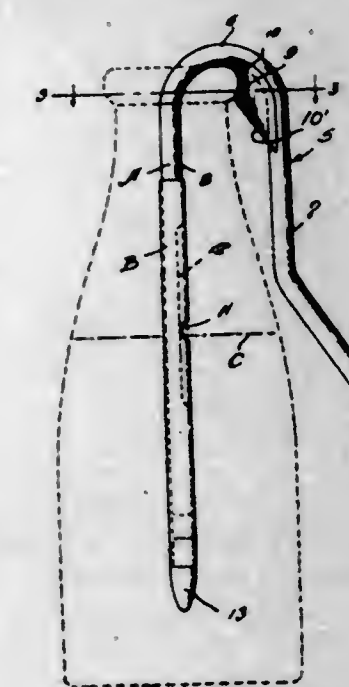
2,436,029

SEPARATOR

Kenneth S. Wrisley, Cuba, N. Y.
Application February 24, 1944, Serial No. 523,758
2 Claims. (Cl. 137-20)

2. In a separator of the character described, a tube of substantially U-shape providing a pair of

spaced-apart leg portions, one to enter and the other to be disposed outside of a container and a connecting portion joining said leg portions, said leg portion for entering the container including telescopic tubular sections, one of which is movable longitudinally of the other, with the other section provided with an elongated longitudinal



slot and the one section provided with a restricted port communicating with said slot, whereby, upon relative longitudinal movement of said sections, the length of the inner leg of the device is varied and the relative position of the port is changed for the removal of different quantities of liquid from the container to which said device is applied.

2,436,030

LIQUID DISPENSER

Scott M. Abbott, Chicago, Ill., assignor to Ralph C. Burrows, Park Ridge, Ill.
Application February 14, 1944, Serial No. 522,267
11 Claims. (Cl. 222-179)

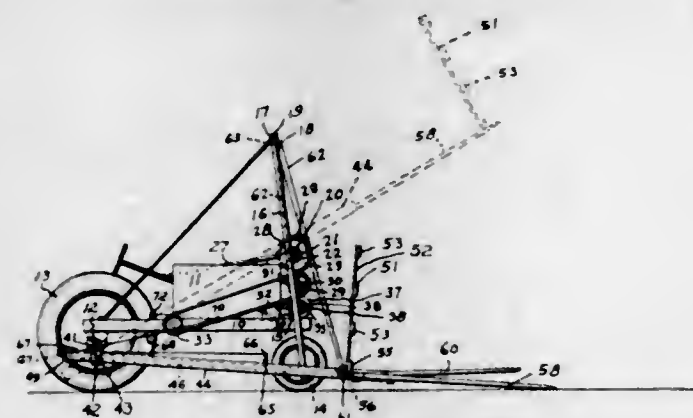


1. A fluid dispenser embodying a pedestal, a reservoir for fluid at the top of said pedestal, a pump in said reservoir, said pump embodying a discharge conduit, a discharge spout for the pump adjustable to several discharge positions in a horizontal plane about a vertical axis, means for operating the pump, and means on the spout and on the discharge conduit movable out of co-operating relation for releasing the spout for relative adjustment with relation to the conduit, and into co-operating relation for maintaining the spout in any of its adjusted positions.

2,436,031

HAY STACKER

Harold J. A. Beck, Hinton, Iowa
Application March 14, 1946, Serial No. 654,302
1 Claim. (Cl. 214-131)

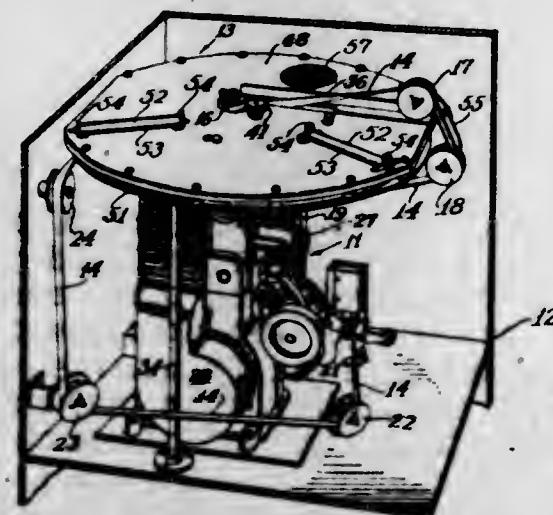


In combination with a power driven tractor, a hay stacker including a pair of beams pivotally mounted at the rear of the tractor and extending forwardly thereof, a rake attached at the forward end of the beams, means for raising said rake including a pair of substantially vertical supporting members attached at the forward end of the tractor, a reel journaled on said vertical members, means for driving said reel from the tractor power take-off, cables attached to the reel and the rake for raising the same, means for locking said reel including a brake member, a friction band attached to the reel engaging said brake member, a lever attached to the reel end for causing disengagement of the reel with the brake member, a driving wheel driven by the power take-off, said driving wheel being positioned adjacent to the friction band whereby movement of the lever will cause engagement therewith, a push member slidably mounted on said rake, means for forcing said member along the rake including pipes received in the beams attached to the push member, means for forcing said pipes forwardly including further reels, cables attached to said further reels and to said pipes, means for drivingly engaging said further reels including a pivoted lever, said further reels including adjacent members for engaging said driving wheel, said pipes including rollers attached thereto, said rollers being adapted to roll within the beams.

2,436,032

MOTION-PICTURE PROJECTION MACHINE

Herbert A. Bendfeldt, Oak Park, Ill., assignor to Mills Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application January 29, 1945, Serial No. 574,998
10 Claims. (Cl. 88-18.7)



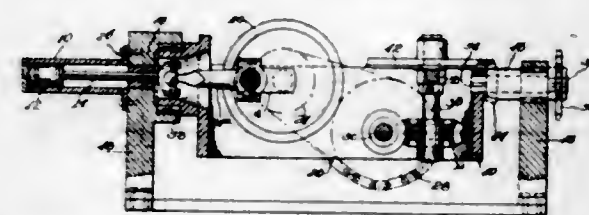
1. In a motion picture projection machine, a projector, mechanism for feeding the film through

said projector, and a rotatable reel from which an endless film may be continuously fed to the projector and onto which it may be rewound after passing through the projector, said reel being horizontally mounted in the machine and having a rigid supporting surface for a coil of film carried thereby providing relatively less area of frictional contact at any given instant between said supporting surface and said coil in the parts of the reel of greater diameter than in the parts thereof of lesser diameter.

2,436,033

POWER TRANSMISSION MECHANISM

Giusto Boggio, Chicago, Ill.
Application December 6, 1945, Serial No. 633,079½
8 Claims. (Cl. 74-44)

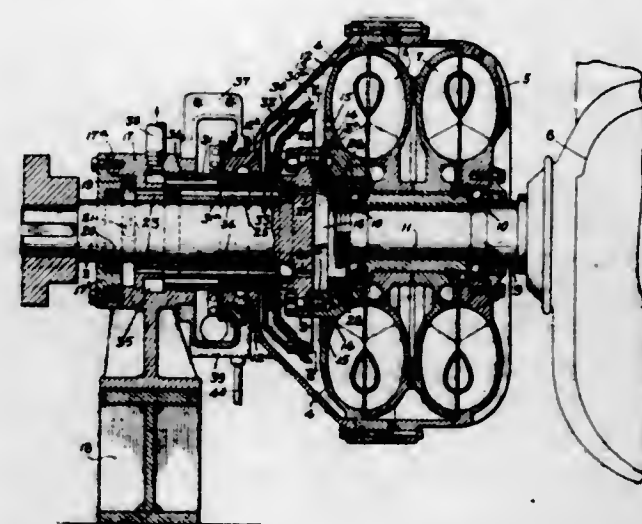


1. A power transmission mechanism including a source of power, a rotatable shaft, a sprocket on said shaft, a second shaft removed from the first shaft, a common supporting means for both shafts, a sprocket on the second shaft, a chain connecting the two sprockets, a worm wheel on the second shaft, a worm gear driven by the worm wheel, a shaft upon which the worm gear is mounted and which is driven thereby, a bevel gear surmounting said shaft, a smaller bevel gear in mesh with said first named bevel gear, said smaller bevel gear being fixedly positioned with relation to the aforesaid mechanism.

2,436,034

PUMP WITH ROTARY CASING

Walter Buehler, Hamilton, Ohio, assignor to Economy Pumps, Inc., Hamilton, Ohio, a corporation of Illinois
Application November 13, 1942, Serial No. 465,816
5 Claims. (Cl. 103-101)

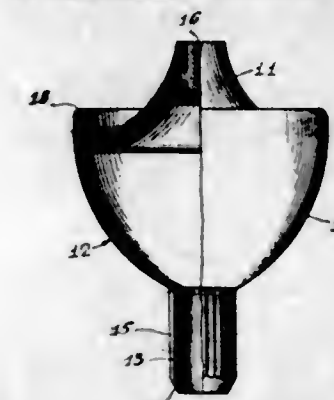


1. In an apparatus of the class described, a rotary shaft, a rotary member having an annular liquid containing chamber with an inclined wall secured to said shaft, a stationary and annular liquid expeller in said chamber having a hub portion surrounding said shaft and an inclined portion in said chamber adjacent the inclined wall of said member, said member having an annular channel-like passage extending therethrough and having spaced vanes extending from said inclined portion and beyond the end of said passage for impelling fluid into said passage during the normal operation of said shaft.

2,436,035

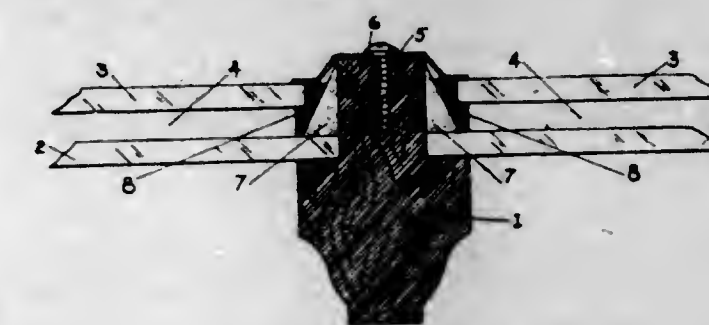
TOILET FLUSH TANK VALVE

Samuel S. Chelton, Highland Park, N. J.
Application May 16, 1946, Serial No. 670,224
2 Claims. (Cl. 4-56)



1. A flush tank valve comprising a flexible convex bottom portion and an upper closure portion, said valve being hollow and having an opening through said bottom portion, a hollow stem secured to and depending from said bottom at said opening, the outside surface of said stem having a plurality of elongated grooves therein.

puttled glass sashes, comprising a resilient gasket so formed that one of its cross sectional dimensions fits the angle of the putty, a notch formed in the side opposite said putty fitting side, a doubling pane of glass cut to fit said notch the

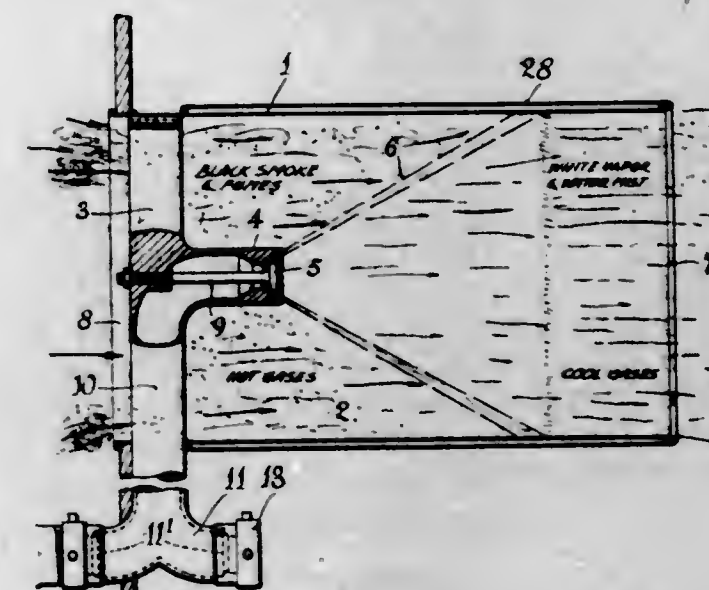


whole way around over said first named glass and a retainer attachable to the sash to hold the doubling pane by applying compressive pressure thereto to seal the pane to the gasket and the gasket to the putty.

2,436,038

SMOKE, FUME, AND GAS EJECTOR APPARATUS

Roy B. Farrell, Buffalo, N. Y.
Application July 24, 1944, Serial No. 546,381
4 Claims. (Cl. 98-43)



1. A fire fighting apparatus of the class described comprising a mixing chamber having an inlet and an outlet, a spray forming nozzle disposed axially within the chamber and arranged to produce a spray of liquid flaring outwardly against the interior wall of the chamber under a forward impetus toward the outlet end of the chamber, and means for connecting the nozzle to a fire hose for receiving water therefrom to produce the piston forming spray, said means comprising branched couplings selectively engageable with the fire hose, with a check valve in each coupling adapted to close the same under the water pressure delivered by the hose when engaged with the companion coupling.

2,436,039

MAGNETIC FIELD GRADIENT MEASUREMENT

Charles H. Fay, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 11, 1945, Serial No. 572,279
2 Claims. (Cl. 175-163)

1. In a system for measuring the gradient of a magnetic field, a unit comprising two spaced coils and means rigidly pivoting said coils in fixed relationship to each other for oscillation

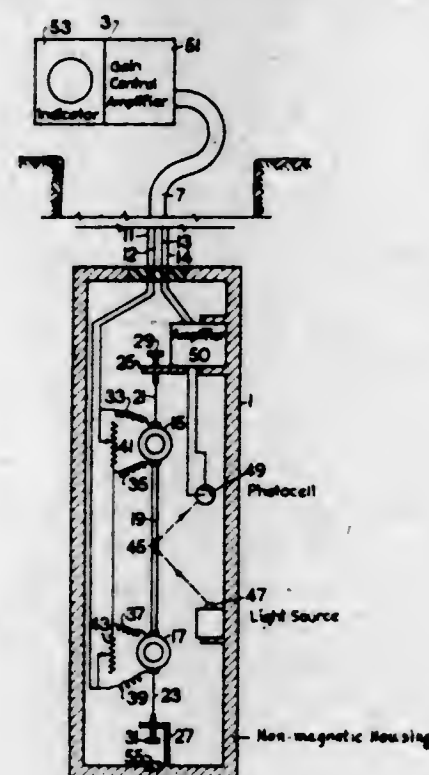
2,436,037

STRUCTURAL ADDITION MEMBER FOR CONVERTING SINGLE PANE WINDOW SASH INTO DOUBLE PANE SASH

William A. Doney, Portland, Oreg.
Application April 30, 1945, Serial No. 591,210
3 Claims. (Cl. 20-56.4)

2. Structural addition members for making double glass window sashes from single glass

about a common axis, means electrically connecting said coils in series opposition, a light source, photo-electric means, optical means carried by said rigid unit for varying the illumination of the photo-electric element by the light source proportionally to the oscillation of said unit, a circuit comprising variable gain ratio amplifier means energized by the output of said photo-electric element, means for passing the output current of said circuit through said coils,

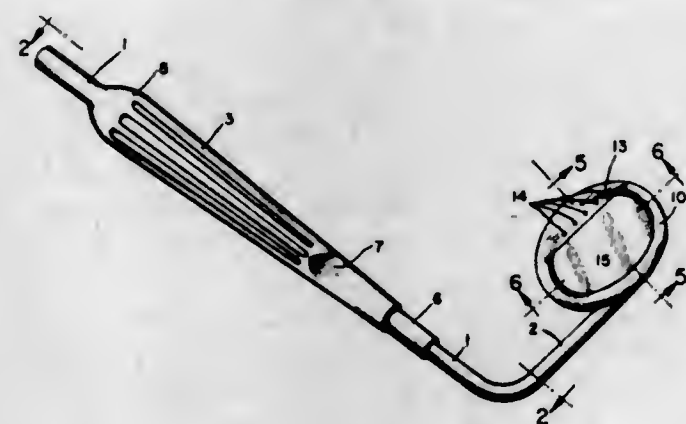


means for adjusting the relative intensity of the current passing through each coil, and indicator means in said circuit for indicating the amplification gain of said amplifier means necessary for maintaining said coil unit barely in oscillation by the torque developed by the reaction of the current passing through said coils with the magnetic field in which said rigid unit is oscillating, when said field has a gradient along the oscillation axis of said coils.

2,436,040

SALIVA EJECTOR AND REFLECTOR

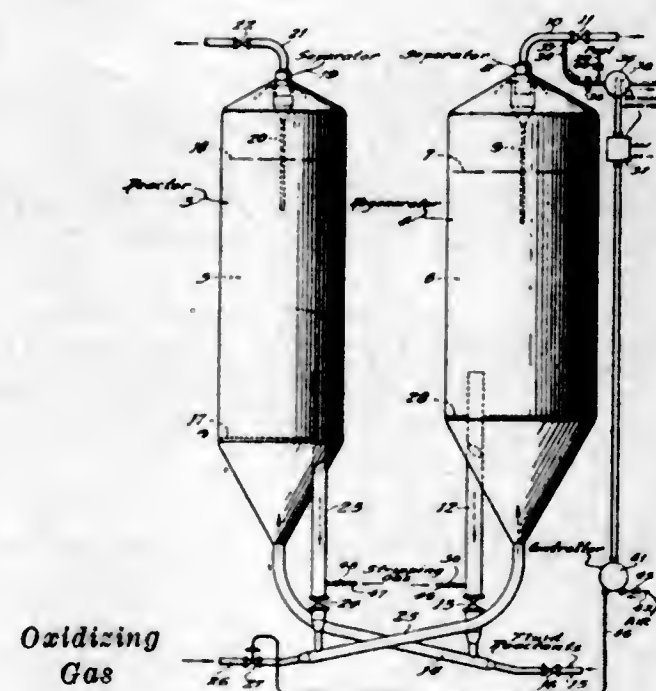
Henry Friedman, Chicago, Ill.

Application February 21, 1947, Serial No. 729,953
4 Claims. (Cl. 32-33)

3. A device of the character described comprising a hollow handle having an outlet port therein, a laterally extending tube, one end thereof being integrally secured to the end of said handle opposite said outlet port and having communication therewith, reflecting means rigidly secured to the free end of said tube; hollow means on said reflecting means having communication with said tube whereby a continuous passage is formed to said outlet port, a drain port in said hollow means, and a baffle plate secured in front of said drain port and to said hollow means.

2,436,041
CATALYTIC CONVERSION OF HYDROCARBONS

Clarence G. Gerhold and John E. Burgess, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 29, 1943, Serial No. 512,084
11 Claims. (Cl. 196-52)

3. The method of removing combustible contaminants from substantially non-combustible subdivided solids susceptible to damage at excessively high temperature, which comprises maintaining a bed of solid particles in a confined zone, passing oxidizing gas upwardly into said bed at a velocity regulated to partially counteract the force of gravity on the solid particles and maintain the bed in a relatively dense, fluid-like state, controlling the temperature of the bed to effect the burning of combustibles therefrom by contact with said oxidizing gas and to prevent damage to the solid particles, maintaining a region of materially reduced solid particle concentration above the bed within said confined zone, discharging gaseous products of combustion from said bed and zone through said region, and controlling the rate at which free oxygen is supplied to said bed in the oxidizing gas stream to insure its substantially complete consumption within the bed and to keep the free oxygen content of the outgoing gas mixture sufficiently low that said mixture is non-flammable under the conditions prevailing in said region of reduced solid particle concentration.

2,436,042

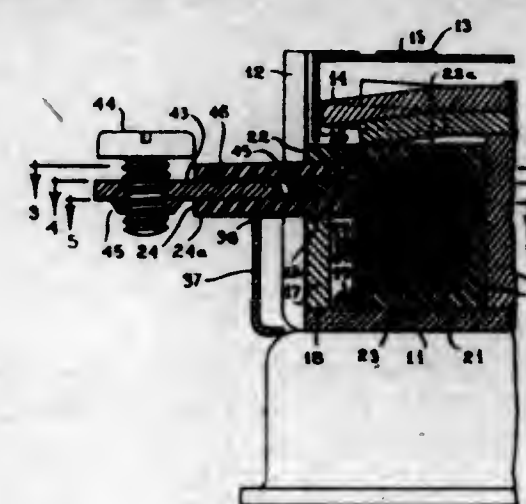
MOTOR TERMINAL BINDING POST

William L. Hansen and Harry G. Manson, Princeton, Ind., assignors to Hansen Manufacturing Company Incorporated, Princeton, Ind., a corporation of Indiana

Application October 25, 1946, Serial No. 705,770
6 Claims. (Cl. 172-278)

1. A terminal binding post device for a synchronous electric motor having a field magnet and a field coil associated with said magnet, a pair of terminal binding posts connected to the leads of said coil, and means for mounting said binding posts rigidly on said field magnet adjacent to said coil, including a pair of laminated plate members snugly fitting a pole portion of said field magnet, binding post terminals sup-

ported in said laminations, and a third lamination adapted to enclose and hold said leads from

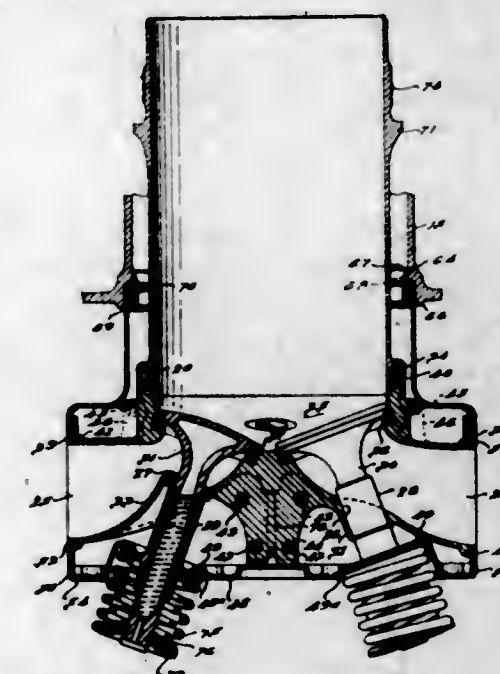


said coil rigidly in soldered position on said terminals.

2,436,043

ENGINE AND METHOD OF MAKING PARTS THEREOF

Alexander G. Herreshoff, Grosse Pointe, and Addison R. Houk, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application March 24, 1944, Serial No. 527,892
15 Claims. (Cl. 123-173)

9. A cylinder head for an internal combustion engine comprising a pair of complementary sections having cavities therein and being assembled and bonded to one another so as to cause the cavities to mate for forming a combustion chamber and intake and exhaust ports communicating therewith with the complementary sections meeting approximately in a plane passing through the combustion chamber and the intake and exhaust ports, rings tightly embracing the complementary sections about outer terminal portions of the combustion chamber and the intake and exhaust ports for holding the complementary sections together.

2,436,044

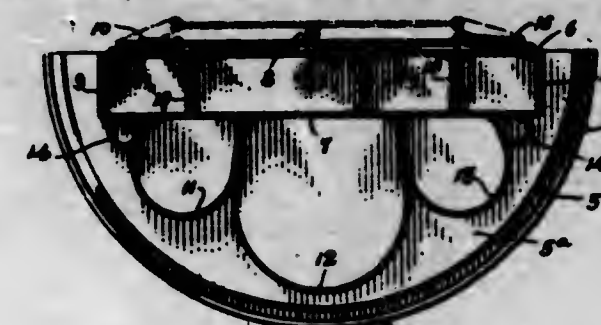
ARTICLE HOLDER

Bruno J. Hudash, Chicago, Ill.

Application March 10, 1944, Serial No. 525,917
4 Claims. (Cl. 65-65)

1. In a device of the class described, a flat base having a rear straight edge and a front arcuate edge, an upright channel-like article holding member having a front wall and a rear wall in parallel relation, said walls having their bottom edges resting upon and secured to said base with the rear wall in flush relation with the rear edge,

a series of article holding keepers having lateral edges attached to the front wall of said member

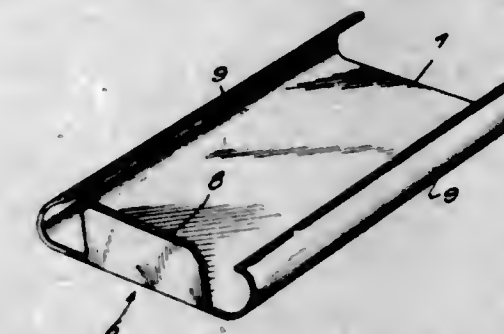


and having lower edges attached to said base and serving to brace said member.

2,436,045

TRAY FOR PARALLEL ARM DRAFTING MACHINES

William J. Leinheiser, Washington, D. C.

Application October 24, 1945, Serial No. 624,265
3 Claims. (Cl. 311-17)

1. A tray comprising an elongated, rectangular flat bottom, a side wall rising from each longitudinal side edge of the bottom, an intumed resilient flange at the upper edge of each side wall for detachably supporting said tray from a pair of support rods, an end wall rising from one end of the bottom for extending in guided relation between said pair of support rods, opposite ends of the end wall being spaced from the side wall to provide openings to slidably receive said pair of support rod, the upper surfaces of said end wall and said flanges being coplanar.

2,436,046

EMULSIFIABLE SOLUBLE OIL COMPOSITIONS

Norman E. Lemmon and Frederick W. Schuessler, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application December 22, 1944,
Serial No. 569,411

4 Claims. (Cl. 252-312)

1. A readily normally liquid soluble-oil composition comprising a major proportion of a hydrocarbon oil, from about 5% to about 11% of a sodium soap of a preferentially oil-soluble petroleum sulfonic acid having a molecular weight above about 450, which soap is normally unsuitable for use in soluble-oil compositions, from about 0.5% to about 10% of a water-soluble alkylated aromatic hydrocarbon sulfonate in which the alkyl substituents contain from about 9 to about 17 carbon atoms in the side chain and from about 1% to about 3% water.

2,436,047

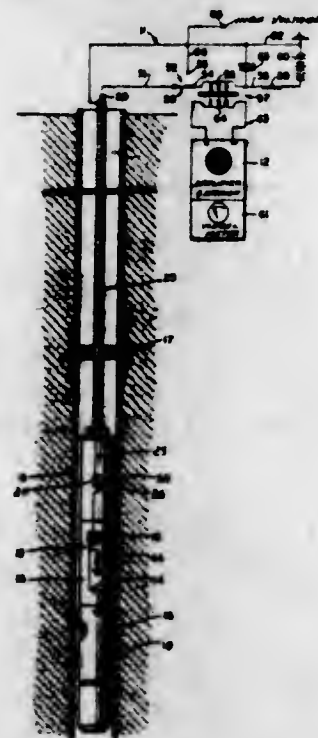
TOOL INDICATOR

Philip W. Martin, Huntington Park, Calif.

Application June 15, 1945, Serial No. 599,591
6 Claims. (Cl. 177-311)

1. Apparatus for detecting the relative movement of a suspended device in a deep well, com-

prising, in combination with said device and means on which it is suspended: a scraping member arranged in lateral extension from the exterior of said device so that it will continuously scrape along the wall of the well and as the result thereof to transmit vibrations to the wall of said device; a vibration responsive element, contained within said device and adapted, in response to vibrations transmitted thereto through



the wall of said device as a result of the scraping of said scraping member against the wall of the well, to modulate electric currents passing therethrough, and an electric circuit including said vibration responsive element, said suspending means and an electroresponsive device at the surface of the well, adapted to utilize said current, thus modulated, to produce a characteristic indication at the surface of the well of the movement of said cable suspended device in the well.

2,436,048

COMPOSITION OF TERPINENE-MALEIC ANHYDRIDE, HYDROGENATED COUMARONE-INDENE RESIN, AND POLYSTYRENE

Irving C. Matthews and William F. Lynch, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Original application January 24, 1940, Serial No. 315,400, now Patent No. 2,328,566, dated September 7, 1943. Divided and this application January 7, 1943, Serial No. 471,584. In Canada August 15, 1938

1 Claim. (Cl. 260—45.5)

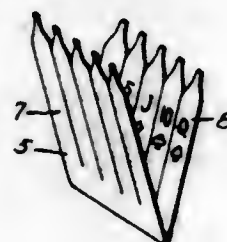
As a composition of matter a homogeneous mass essentially consisting of 10-30 parts of a reaction product of terpinene and maleic anhydride, 20-40 parts of a hydrogenated coumarone-indene hydrocarbon resin resulting from the catalytic polymerization and hydrogenation of the resin-forming bodies contained in crude aromatic naphtha, and 70-50 parts of a polystyrene resin.

2,436,049 MATCH

Melvin R. Metzger, Cincinnati, Ohio
Application February 21, 1944, Serial No. 523,189
2 Claims. (Cl. 44—44)

1. In a match comb of the class described, a sheet of material folded at its central portion and forming two folded-together halves with each half being cut to define corresponding match halves, matter printed on the face of the mate-

rial with the printed matter occurring on the adjacent oppositely disposed faces of the match halves, and with combustible material forming

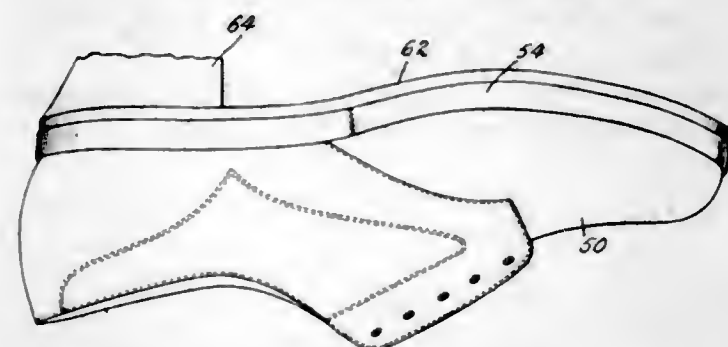


match heads and securing the free ends of the oppositely disposed match halves together and concealing the printed matter therebetween.

2,436,050

PLATFORM TYPE SHOE AND METHOD OF MAKING SAME

George A. Miner, Manchester, N. H., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 22, 1945, Serial No. 611,956
20 Claims. (Cl. 36—19.5)



1. A shoe having a ribbed strip about the periphery of the shoe bottom, a sock lining secured to the inner face of the strip and to the outer face of the rib, a cover strip secured with an upper to the sock lining and rib, a cushion underlying the sock lining to the outer marginal portion of which the marginal portion of the cover strip is secured, and an outsole secured to the cover strip.

2,436,051

LUBRICANT

Lawson W. Mixon, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application August 29, 1944, Serial No. 551,777

7 Claims. (Cl. 252—33.6)

1. A normally liquid lubricant composition comprising a major proportion of a hydrocarbon oil and from about 0.05% to about 10% of a zinc organo trithiocarbonate of the group consisting of a zinc alkyl trithiocarbonate and a zinc alicyclic trithiocarbonate.

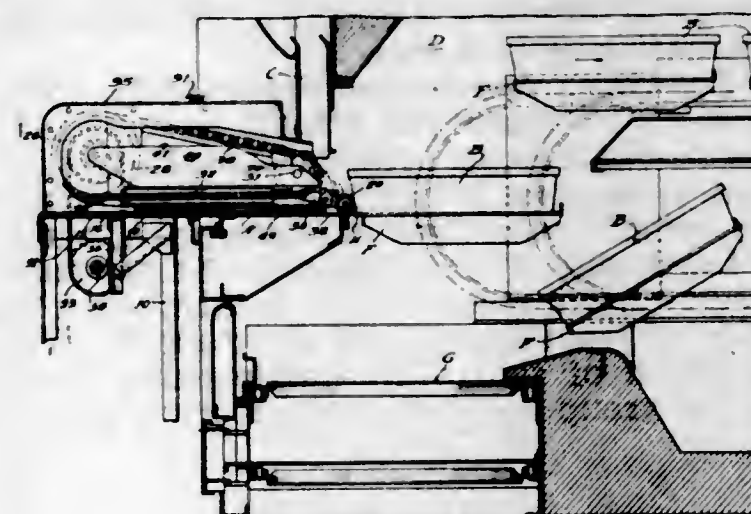
2,436,052

LOADING DEVICE FOR BAKING OVENS

William L. Mueller, La Grange, and Carl Richard Skarin, Western Springs, Ill., assignors to The Petersen Oven Company, a company of Illinois
Application December 20, 1944, Serial No. 569,084
7 Claims. (Cl. 107—57)

1. A unitary, self-contained, portable loading device for use with a baking oven of the type comprising a baking chamber provided with a loading opening, a conveyor in the chamber adapted to travel in close proximity to the loading opening, and a substantially horizontally disposed shelf element associated with said opening

and over which element pans of food stuff are adapted to be moved onto said conveyor; said loading device comprising a supporting frame, an auxiliary, horizontally extending shelf element fixedly mounted on the frame, adapted to be disposed in registered relation to the shelf element of the oven, whereby pans of food stuff may be initially supported on the shelf elements preparatory to feeding onto the conveyor, said loading



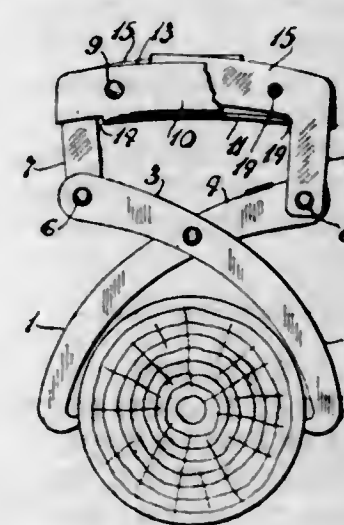
device having extensions insertable into said opening and positionable adjacent said conveyor, means for engaging the pans and slidably moving them over the shelf elements onto the conveyor, said means being cooperable with said extensions for moving substantially the combined length of the registered shelf elements, and power driven means on the frame structure for actuating said means.

2,436,053

CORDWOOD PULP TONGS

Thomas J. Mundahl, North Branch, Ontario, Canada

Application May 14, 1945, Serial No. 593,632
1 Claim. (Cl. 294—118)

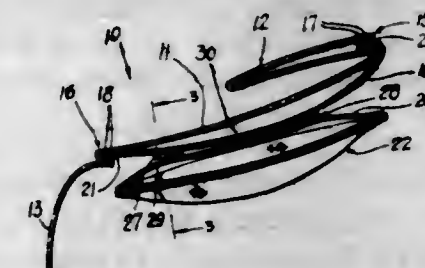


A lumber tongs comprising in combination a pair of mutually pivoted and intersecting log encircling tongs, said tongs each comprising a log encircling jaw on one side of the point of mutual pivoted attachment, and a lever arm upon the other, integral and coterminous with said jaw, said lever arms being mutually divergent, a pair of links each freely secured at one end thereof to the free end of one of said lever arms, a lifting handle longitudinally slotted upon the upper side thereof, said links each being freely secured to said handle adjacent opposite ends of said handle, and at points spaced from the points at which the said links are secured to said lever arms, said links including angulated portions extending towards each other and capable of occupying said longitudinal slots, all for the purpose herein specified.

2,436,054

GARMENT WITH DETACHABLE SHOULDER PAD

Lotte Pinkus, New York, N. Y.
Application August 28, 1946, Serial No. 693,502
4 Claims. (Cl. 2—268)



1. An article of manufacture in garment construction comprising a substantially triangular shaped shoulder pad formed with an apex angle region opposite a base side thereof, an elongated tape extending to overlie an upper surface of said pad from said apex angle region to the mid-portion of said base side, spaced fastening means detachably connecting said pad upper surface to the overlying tape with the free ends of the tape extending beyond the fastening means, said free tape ends being of sufficient length for permanently attaching one end to a neckline seam and the other end to an armhole seam of said garment construction, said pad having two spaced angle regions terminating said base side constructed and arranged to be free for conforming the shape of the shoulder pad.

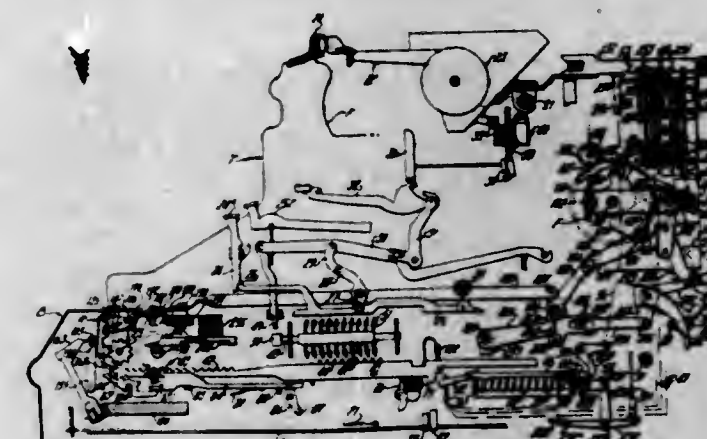
2,436,055

COMBINED TYPEWRITING AND COMPUTING MACHINE

Henry L. Pitman, Melbourne, Fla., assignor to Underwood Corporation, a corporation of Delaware

Continuation of application Serial No. 343,117, June 29, 1940. This application July 10, 1943, Serial No. 494,434

15 Claims. (Cl. 235—60)



11. In an accounting machine, the combination with interspersed totalizers shiftable laterally to associate one or another totalizer with common actuators, and cycling mechanism operable at a different time than the totalizer shifts, of a power-operated driver, a driver-operable member for shifting said totalizers and shiftable laterally relatively to said driver in opposite directions preparatory to operation of said member by said driver in one or another totalizer-shifting direction transversely to the lateral shift of said member, the lateral shifts and transverse operations of said member occurring alternately, namely, a lateral shift in one direction and consequent transverse operation in one direction and, later, an opposite lateral shift and consequent opposite transverse operation in opposite direction, a locking element associated with said member and arranged to move in an orbital path as the lateral shifts and transverse operations

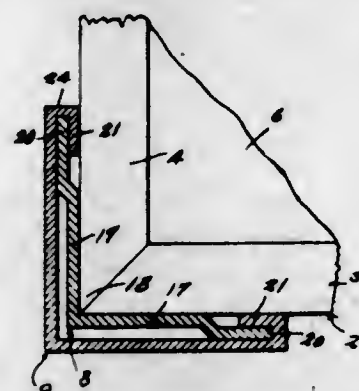
of said member occur alternately, and a blocking means associated with said cycling mechanism, said locking element and blocking means being constructed and relatively arranged so as to be in opposition to each other to block operation of said cycling mechanism while said member is being laterally shifted and transversely operated and to block lateral shift of said member while said cycling mechanism is being operated.

2,436,056

FOLDING TABLE

Gardrad Lestajette Prothro, Sr.,
San Antonio, Tex.

Application July 11, 1944, Serial No. 544,363
1 Claim. (Cl. 311-90)



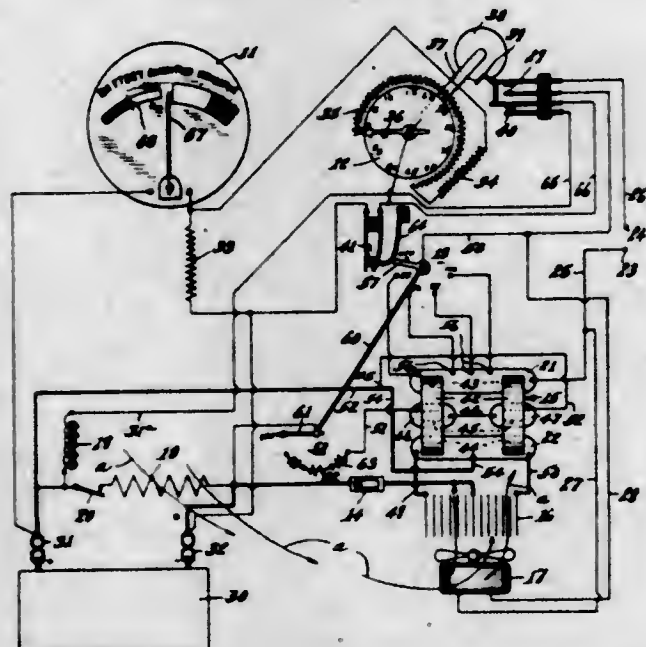
A table comprising an angular frame structure, retainers including angularly-disposed wings receiving the angles of the frame structure, and means for securing the retainers to the frame structure, the outer portions of the wings being offset to form flanges spaced from the frame structure, the outer edges of the flanges having a downward wedge-slant, and angle-member legs receiving the retainers, the lateral parts of the legs having hook-flanges receiving the flanges of the retainers, the legs being downwardly tapered, to cause portions of the hook-flanges to conform to the aforesaid wedge-slant.

2,436,057

BATTERY CHARGING APPARATUS

Merlin L. Pugh, Minneapolis, Minn.

Application September 5, 1945, Serial No. 614,465
7 Claims. (Cl. 320-20)



3. In battery charging apparatus, a charging circuit including a time switch, a meter connected with the battery for indicating the voltage thereof, a variable rheostat in circuit with said meter and mechanically connected with said time switch for simultaneous operation therewith to indicate the proper time period for charging the battery in accordance with a pre-

determined reading on the meter, and a transformer in the charging circuit including means for maintaining said charging rate constant during said time.

2,436,058

PRODUCTION OF ALKYL CYCLOALKYL HALIDES

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 15, 1943,

Serial No. 475,962

14 Claims. (Cl. 260-648)

10. A process for producing an alkyl cycloalkyl halide which comprises condensing a tertiary alkyl halide and a cyclo-olefin in the presence of a Friedel-Crafts metal halide catalyst at a temperature of from about -40°C . to about $+50^{\circ}\text{C}$., the halogen of said alkyl halide being selected from the group consisting of chlorine and bromine.

2,436,059

DISCHARGE PRINTING OF COLORED CELLULOSE ACETATE FABRICS WITH THE AID OF AN INTERMEDIATE THIOCYANATE TREATMENT

Herbert G. Scull and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 4, 1943,

Serial No. 478,005

8 Claims. (Cl. 8-64)

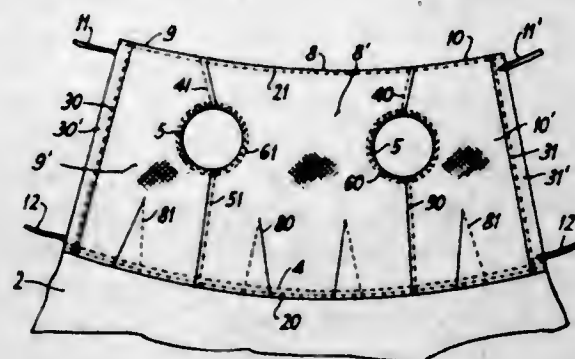
1. The process of discharge printing a colored organic derivative of cellulose textile fabric which comprises treating the colored textile fabric with an acid inorganic thiocyanate whereby a substantial amount of the acid inorganic thiocyanate is impregnated in the fabric, passing the textile fabric in dried condition to a roller printing machine and discharge printing the colored textile fabric containing the thiocyanate with an alkali metal formaldehyde-sulfoxylate white discharge printing paste and an alkali metal formaldehyde-sulfoxylate vat color discharge printing paste whereby white and colored objects, wherein the color of the colored objects differs from that of the colored textile fabric, are obtained on the colored textile fabric.

2,436,060

PAPER GARMENT AND METHOD OF MAKING SAME

Sylvia Trokie and Hazel McKechnie,
New York, N. Y.

Application November 2, 1946, Serial No. 707,462
2 Claims. (Cl. 2-243)



1. A method of forming a garment from paper constructed to have considerable stretch which includes the following steps: cutting a relatively stiff fabric lining to a predetermined pattern, then stitching the fabric lining to an entire uncut sheet

of said paper along the edge of the lining to cause the sheet to conform and accommodate itself to said lining pattern during stitching, and finally cutting the paper along the outline of the patterned lining to provide a lined paper pattern wherein the paper adheres smoothly and without wrinkles to the lining.

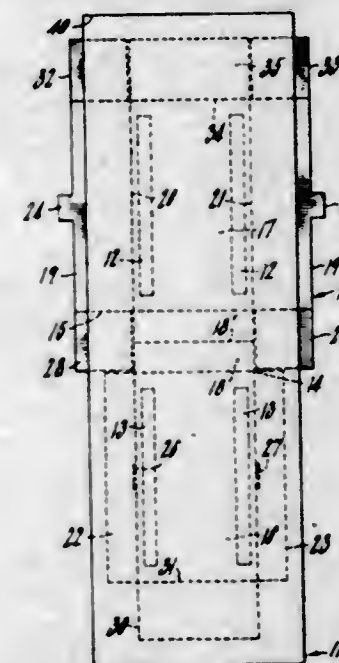
2,436,061

LIQUIDPROOF LINED CARTON AND BLANK FOR FORMING THE SAME

Harry F. Waters, New York, N. Y.

Original application February 7, 1939, Serial No. 255,030, now Patent No. 2,342,439, dated February 22, 1944. Divided and this application December 11, 1942, Serial No. 468,619

4 Claims. (Cl. 229-14)



1. A carton of the class described having secured thereto an inner flexible container and adapted to be shipped flat comprising, front and rear walls, a bottom connecting said front and rear walls, side walls attached to said rear wall, other side walls attached to said front wall and provided with slits, tabs carried by said first-mentioned side walls for insertion into said slits after the carton has been squared up into filling position, said bottom being medially foldable to bring the front and rear walls into superimposed relation for shipment, an inner flexible container positioned between said front and rear walls and secured to the carton adjacent the lines of separation between the front and rear walls, and side walls, whereby upon parallel separation of said front and rear walls, the bottom will be moved into a plane substantially at right angles to the front and rear panels, the inner container will be opened into filling position, and the side walls will be positioned in a plane substantially at right angles to the front and rear walls for insertion of said tabs into said slits.

2,436,062

SULFONAMIDE DERIVATIVES

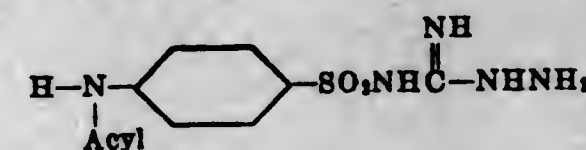
Philip S. Winnek, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 17, 1941,

Serial No. 415,430

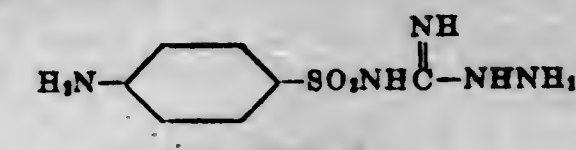
5 Claims. (Cl. 260-397.7)

3. A compound represented by the following formula



607 O. G.-31

5. A compound represented by the following formula



2,436,063

SCARLET FEVER TOXIN

John N. Adam, Jr., Montvale, N. J., and Olive Durfee, Pearl River, N. Y., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 20, 1945,

Serial No. 600,644

6 Claims. (Cl. 167-78)

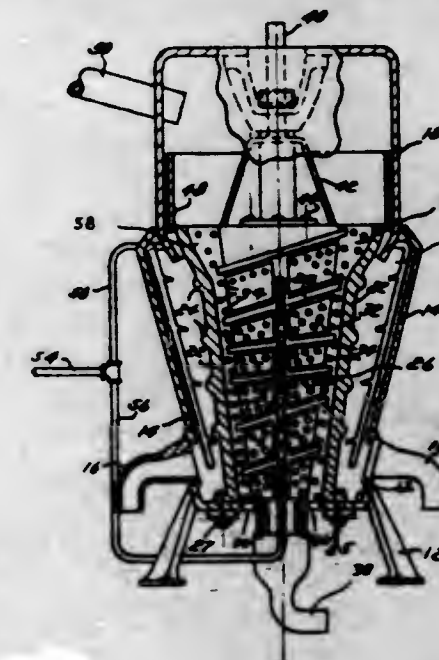
1. A preparation effective in active immunization against scarlet fever comprising a tannic acid precipitated hemolytic streptococcus toxin and aluminum hydroxide.

2,436,064

EXTRACTION PRESS

Harry E. Crosby, Los Angeles, Calif.

Application May 25, 1944, Serial No. 537,290
1 Claim. (Cl. 100-48)



An extraction press comprising a supporting base, a conical casing surmounting the base, a conical extractor shell in the casing, the walls of the shell being spaced from the casing walls, a conical screw in the shell and spaced therefrom, the walls of the shell and the screw being perforated, the threads of the screw element being non-uniformly spaced and closer to each other adjacent the intermediate portion of the screw, adjustable outlets in the base for extrusion of waste pulp, said adjustable outlets including plates movable over outlet openings, screw bars for shifting the plates with respect to the outlet openings, and means for flushing the space between the extractor shell and the conical screw, said means also including a flushing element for the base.

2,436,065

APPARATUS FOR MOLDING CORED ARTICLES OF ORGANIC PLASTIC MATERIAL

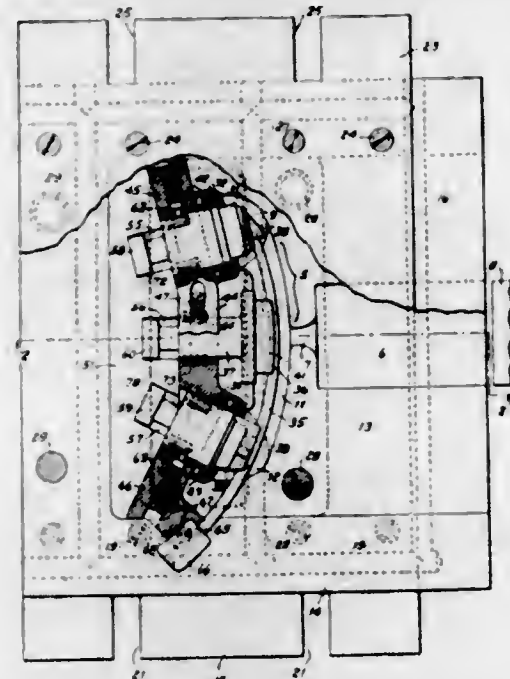
Charles S. Dewey, Jr., Far Hills, N. J., assignor to Shaw Insulator Company, Irvington, N. J., a corporation of New Jersey

Application December 27, 1944, Serial No. 569,955

8 Claims. (Cl. 18-42)

8. Apparatus for molding telephone hand sets of organic plastic material comprising a two-part die structure of the closed type, complementary die members in said die structure having a cavity

formed therein to mold said hand set, a removable core assembly comprising a coreholder, cores carried by said coreholder to form the interiors of transmitter and receiver portions and to form a wire passage through a handle portion of said hand set, said coreholder comprising a central portion and end portions formed at angles to said central portion, plungers slidably mounted in said end portions carrying said transmitter and re-

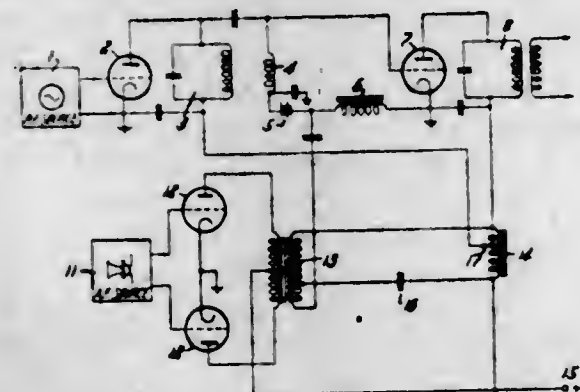


ceiver forming cores, a block in one of the end portions of said coreholder connected to said wire passage forming core, means for removably holding said core assembly in said die structure to locate said cores in the desired positions in said molding cavity, means for charging said molding cavity with said material, and means including said plungers and said block for pulling and resetting said cores in said coreholder.

2,436,066

TRANSMITTER WITH ANODE VOLTAGE MODULATION

Marcel Favre, Wettingen, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application February 16, 1945, Serial No. 578,207
In Switzerland January 4, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 4, 1964
11 Claims. (Cl. 179-171.5)



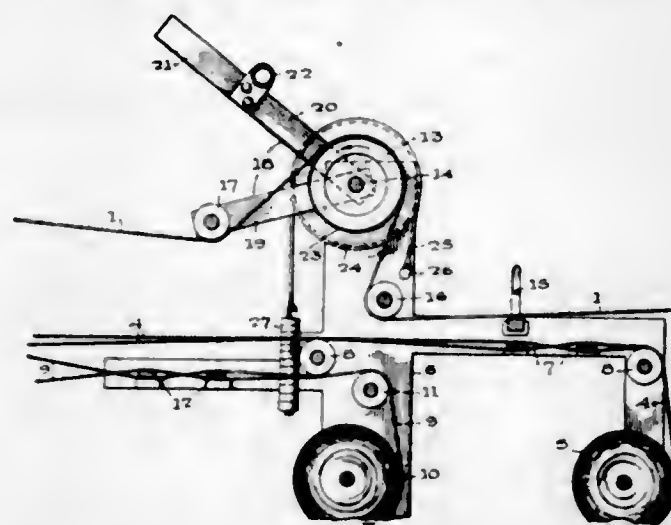
1. In a transmitter, a high frequency part comprising; an oscillator producing a high frequency carrier wave, an amplifier stage arranged for amplifying the output of said oscillator, and a power stage connected to the output of said amplifier stage; a low frequency part comprising a source of audio frequency modulating potential; means to modulate the amplitude of said carrier wave in accordance with said modulating potential; and means simultaneously subjecting the grid bias potential of said power stage and the anode potential of said amplifier stage in opposite phase and in phase, respectively, to a modulation hav-

ing a modulation depth at least approximately equal to that of the anode potential of said power stage.

2,436,067

TENSION REGULATOR AND EQUALIZER FOR PILE FABRIC LOOMS

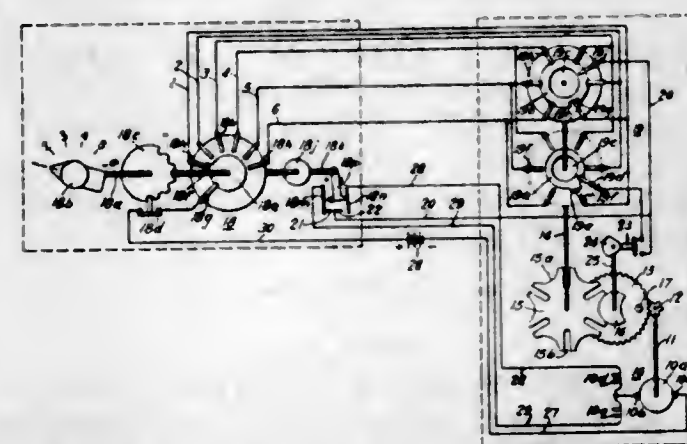
Harold H. Fonda, Skaneateles, N. Y., assignor to Nye-Walt Company, Inc., Auburn, N. Y., a corporation of New York
Application July 26, 1945, Serial No. 607,227
13 Claims. (Cl. 139-104)



1. In a loom having provision for receiving and directing a plurality of yarns from a source of yarn supply, longitudinally therethrough from back to front of the loom, means for regulating and equalizing the tension in the individual yarns, said means including a roll disposed transversely of the loom and having a friction surface over which the yarns are passed in frictional contact therewith, and a second roll spaced from the first roll in the direction of advancement of the yarns and disposed in parallel relation thereto; said second roll being bodily movable about the axis of the first roll to produce a beating action on the yarns responsive to operation of the loom and normally bearing upon the upper side of the yarns with a predetermined and unrestrained pressure.

2,436,068

FOLLOW-UP MOTOR CONTROL SYSTEM
Louis Hegy, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 9, 1945, Serial No. 621,347
2 Claims. (Cl. 318-33)

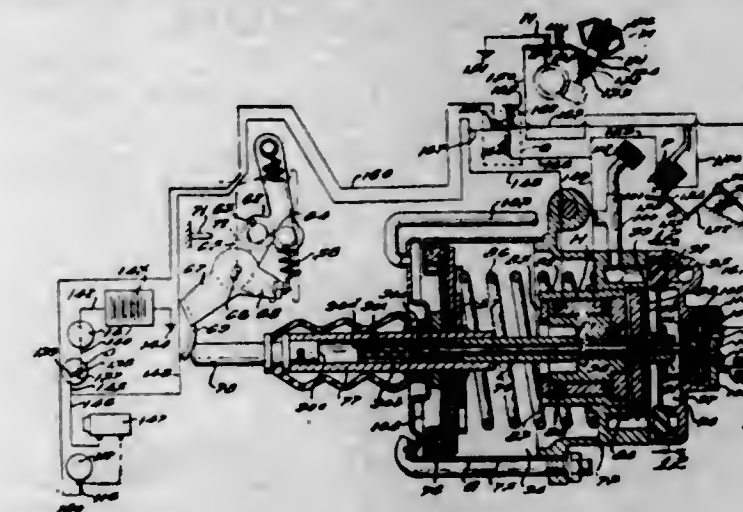


1. In a control system of the type described: a controlled member movable into a plurality of predetermined different positions, and electrically controlled power means for driving it; a current source; a follow switch driven by said controlled member, and a master switch, said switches each having a plurality of different positions corresponding to said predetermined positions of said controlled member; a plurality of lines extending from said master switch to said follow switch;

2,436,071

POWER TRANSMISSION

Victor E. Matulaitis, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 8, 1941, Serial No. 405,947
18 Claims. (Cl. 74-472)



said follow switch comprising a first selector contact connecting with all of said lines except one and having a second selector contact connecting with only that line that is discontinued from said first selector contact in any of said positions of said controlled member; means including said master switch for completing a current path from said first selector contact of said follow switch to any one of said lines at the master switch, said path including in series relation said current source and said power means; and auxiliary switching means actuated by said controlled member into closed position as said controlled member approaches each of said positions and into open position as said controlled member reaches each of said positions, said auxiliary switching means being connected in series between said first and second selector contacts.

2,436,069

OILS AND GREASES OBTAINED BY PYROLYSIS OF TETRAFLUOROETHYLENE-OLEFIN COPOLYMERS

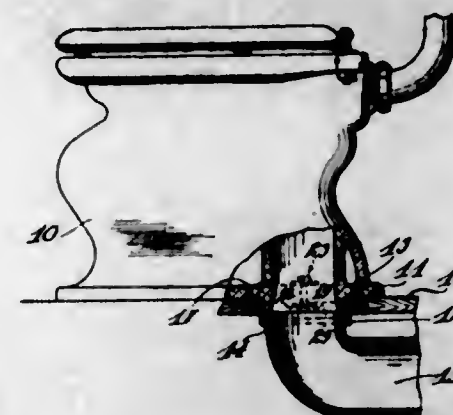
Robert M. Joyce, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 29, 1944.
Serial No. 556,488
4 Claims. (Cl. 260-80)

1. A composition of matter which in physical properties ranges from an oil to a grease, which has a percentage unsaturation of at least 25, and which is obtained by heating in an inert atmosphere at a temperature of from 400° C. to 700° C. a normally solid copolymer of tetrafluoroethylene and a monoolefinic hydrocarbon having from 2 to 4 carbon atoms until the copolymer is converted to a product which has said physical properties and percentage unsaturation, said copolymer containing from 10 to 60 mol per cent of tetrafluoroethylene.

2,436,070

CLOSET BEND COLLAR CONNECTION

Frank J. Lassa, Chicago, Ill.
Application October 28, 1944, Serial No. 560,839
1 Claim. (Cl. 285-34)



A closet bend collar assembly for connection to the perforated base of a closet bowl resting on said collar, said collar assembly including a collar member comprising an annular horizontal upper flange and an inner vertical depending portion, said horizontal flange having a pair of opposed thickened sections formed in the lower face thereof, each of said thickened sections having an elongated opening and a pair of oppositely disposed cavities leading from said opening, each of said cavities being defined by an upper wall, a bottom wall, a side wall and an end wall, said assembly further including a bolt having a head complementary in shape but of slightly smaller size than said elongated opening, whereby upon insertion of said head in said opening and turning thereof will seat same between the top and bottom walls of said cavity, and into abutting relationship with the end wall thereof.

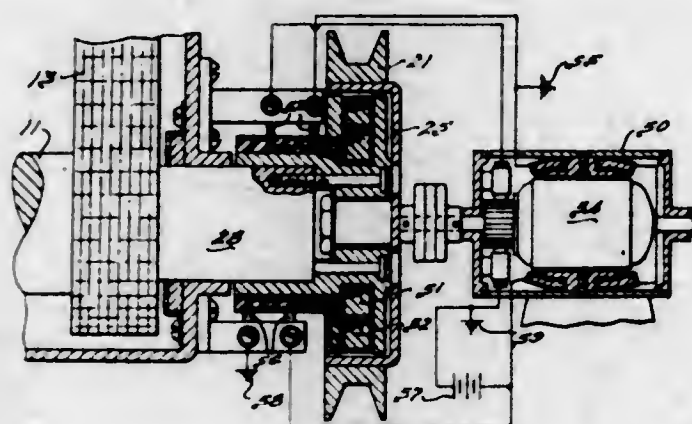
1. A power transmission for driving a vehicle having an engine provided with an ignition system and a throttle; a transmission drive-controlling element operable from a first position to a second position for effecting a step-up change in the transmission drive speed ratio and from said second position to said first position when operation of said ignition system is interrupted to relieve thrust at said element; a reciprocatory thrust member movable in a direction of thrust transmission from a first position thereof to a second position thereby to effect operation of said element from its said second position to its said first position, said thrust member being movable in a return direction from its said second position to its said first position to accommodate movement of said element to its said second position; power operating means for moving said thrust member from its said second position to its said first position; electromagnetic means comprising a flux-generating holding coil adapted, when energized, to releasably hold said thrust member in its said first position and, when de-energized, to release said thrust member for movement thereof to its said second position; a spring biasing said thrust member toward its said second position; a governor switch; means for controlling opening and closing of said governor switch as a function of vehicle drive speed such that said governor switch will open in response to bringing the vehicle to rest and will close in response to predetermined speed of drive of the vehicle; a kickdown switch biased to closed position; an accelerator pedal for controlling operation of said throttle; means controlled by said pedal for opening said kickdown switch in response to movement of said pedal in throttle-opening direction; an ignition interrupter switch; means operable as a function of movement of said thrust member for controlling said interrupter switch such that said interrupter switch is closed when said thrust member is in its said first position and such that said interrupter switch opens in response to predetermined movement of said thrust member in its said thrust transmitting direction; a relay comprising a set of relay points biased to closed position; a relay coil adapted when energized to effect opening of said relay points; an electrical circuit for controlling energization of said holding coil, including said governor switch and said kickdown switch in series with said holding coil; said circuit including a source of electrical energy; a ground for interrupting said ignition system, including said interrupter switch in series with said relay

points; and means for effecting energizing and de-energizing control of said relay coil in response to energization and de-energization respectively of said holding coil.

2,436,072

COMBINED ACCESSORY DRIVE AND TORQUE IMPULSE NEUTRALIZER

Victor E. Matulaitis, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 21, 1944, Serial No. 541,443
1 Claim. (Cl. 172-284)



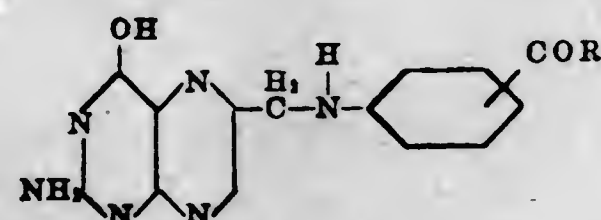
In an accessory drive for engines a first member adapted to be driven by said engine, a second member adapted to drive said accessory, an eddy current clutch adapted to transmit drive from said first member to said second member, said clutch including a first and a second field coil carried by one of said members, an electric generator mechanically connected to said second member and adapted to be driven thereby at speeds determined by the rotation of said second member, a first means to supply electric current from an independent source to said first coil, a second means to supply substantially the entire output of electric current generated by said generator to said second coil, said first and second means and said first and second coils being adapted to assure that the magnetic fields produced by said first and said second coils oppose each other, whereby the strength of the magnetic field produced by said second coil is directly dependent upon the speeds of rotation of said driven member and said generator and the residual unopposed magnetic field produced by said first coil determines the efficiency of the slipping drive connection of said clutch so that a predetermined maximum speed of rotation of said second member is established.

2,436,073

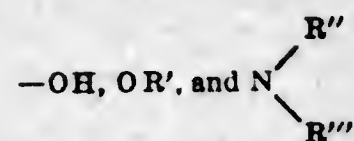
SYNTHESIS OF SUBSTITUTED PTERIDINS

John H. Mowat, Pearl River, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 29, 1945, Serial No. 631,787
8 Claims. (Cl. 260-251)

2. A method of preparing compounds having the general formula:



in which R is a member of the group consisting of



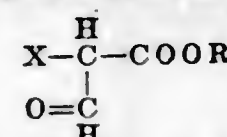
radicals in which R' is an alkyl radical and R'' and R''' are hydrogen, aliphatic or aromatic radicals which comprises mixing together in a solvent 2,4,5-triamino-6-hydroxy-pyrimidine, a member of the group consisting of halopyruvic aldehyde and acetals thereof and a member of the group consisting of aminobenzoic acids and its salts, esters and amides and after reaction thereof recovering a pterin having the said formula.

2,436,074

PROCESS OF PREPARING CARBOXY-PYRIMIDO PYRAZINES

John H. Mowat and James H. Boothe, Pearl River, N. Y., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 29, 1945, Serial No. 631,788
4 Claims. (Cl. 260-250)

1. A method of preparing 2-amino-4-hydroxy-6-carboxypyrimido 4,5-b pyrazine which comprises mixing 2,4,5-triamino-6-hydroxypyrimidine with a member of the group consisting of compounds having the formula:

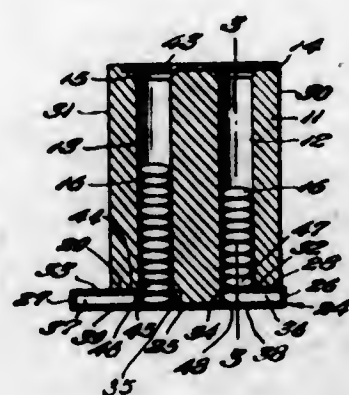


in which X is a halogen and R is an alkyl radical, and acetals thereof, in the presence of a solvent at a temperature of from about 20° C. to about 120° C. and recovering the 2-amino-4-hydroxy-6-carboxypyrimido [4,5-b] pyrazine which forms.

2,436,075

DISPENSING PILLBOX

Charles Orban, Detroit, Mich.
Application July 27, 1945, Serial No. 607,312
4 Claims. (Cl. 312-47)



1. A dispensing device comprising a receptacle having a plurality of compartments therein, partition means for separating said compartments, grooves in said receptacle, means slidably received in said grooves for dispensing successively from a first of said compartments and a second of said compartments, thence from the first compartment, said dispensing means comprising a slider valve having a recess therein, walls partially covering said recess, each wall slidable under a predetermined compartment, spaced apertures in said valve, said recess communicating with successive compartments upon actuation of said valve.

2,436,076

METHOD OF STABILIZING AGAINST SHRINKAGE TEXTILE MATERIALS OF REGENERATED CELLULOSE

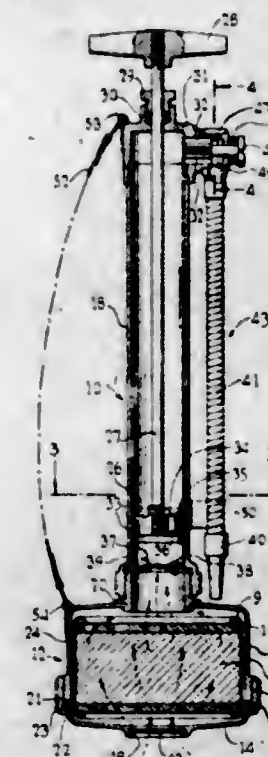
Edward C. Pfeiffer, Jr., and Jack Epelberg, Troy, N. Y., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
No Drawing. Application September 27, 1946, Serial No. 699,627
5 Claims. (Cl. 8-116.4)

1. The method of stabilizing, against progressive, dimensional shrinkage under repeated washings, a textile material predominantly of regenerated cellulose, which comprises wetting the fibers of said material with an aqueous liquid having a pH between approximately 1.0 and 2.5 and containing a mixture of glyoxal in approximately 1.12% to 7.5% by weight in the treating liquid, and an acidic catalyst the acidic component of which increases in acidity and is not eliminated when concentrated to approximate dryness and subjected to temperatures just about about 212° F., removing excess wetting liquid, then drying the textile material so wetted, after said removal or excess liquid, and heating the dried material to a temperature above about 212° F. for a time interval inversely related to the temperature, until a substantial reaction product of cellulose and glyoxal is formed in situ in the fibers of said material.

2,436,077

PORTABLE LIQUID FILTERING APPARATUS

Edwin A. Robertson, Sandusky, Ohio, assignor, by mesne assignments, to Titeflex, Inc., Newark, N. J., a corporation of Delaware
Application May 13, 1944, Serial No. 535,431
1 Claim. (Cl. 210-94)



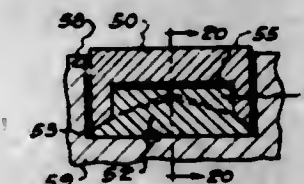
In a portable filtering apparatus, in combination, a filter housing having an outlet opening, a filter housing cap threadably joined to said filter housing and provided with an intake opening, a replaceable filter cartridge within said filter housing, said cartridge having an impervious open-ended shell within the ends of which are situated a pair of rigid pervious filter discs separated by a layer of loose filtering material, said cartridge being secured in place within said housing by the joinder of said housing and said cap, a sealing gasket between the filter housing and the exterior of the filter cartridge whereby all fluid passing through the filter housing must pass within the filter cartridge, a manually operable liquid pump in threaded engagement with the filter housing and having an intake com-

municating with the housing outlet, a discharge port on the liquid pump, and a discharge conduit in communication with said discharge port, said discharge conduit including a fitting swivelably fastened to the liquid pump at the discharge port whereby the discharge conduit may be moved with respect to the discharge port during filtering.

2,436,078

REPAIR LOCK

Lawrence B. Scott, Columbus, Ohio
Application May 17, 1943, Serial No. 487,371
2 Claims. (Cl. 189-36)

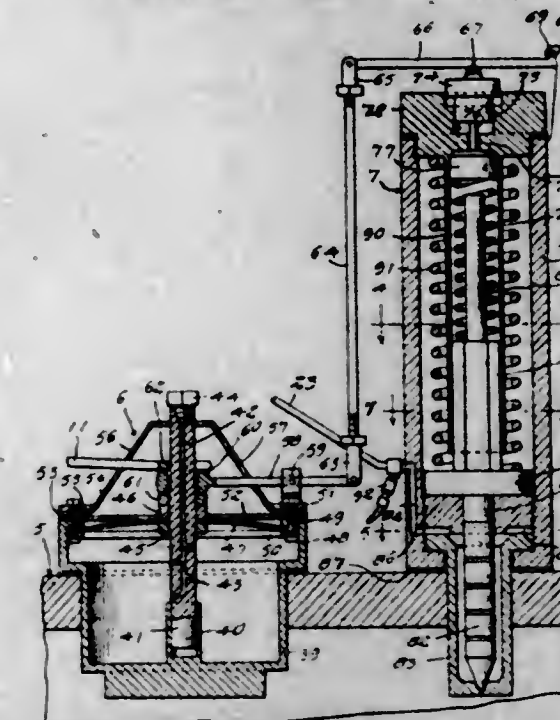


1. In combination with a casting, a reinforcing member adapted to be inserted at a point of stress including, an elongate integral element positioned within a recess formed in the casting with its longitudinal axis parallel to the surface of the casting, the element being formed of ductile metal and having transverse recesses formed in its lower surface, wedge means of relatively-hard metal bearing against the bottom of the casting recess for expanding said element into snug engagement with the walls of said casting recess, and lugs formed on the upper surface of the wedge means adapted to engage within the element recesses to frictionally lock said means to the element.

2,436,079

SYSTEM AND APPARATUS FOR FUEL IGNITION

Guy M. Shipp, Navy Yard, S. C.
Application August 30, 1944, Serial No. 551,959
2 Claims. (Cl. 123-32)



1. In combination with an internal combustion engine a fuel pump and an injector, said pump and injector being connected in operative relation, a cylinder heat responsive unit for adjusting the output of said pump and injector, said unit comprising a drum containing a heat expansible liquid, a diaphragm operated by the expansion of the liquid and mechanical elements responding to the action of the diaphragm being in connection with said pump and injector, a stem operated by the diaphragm, said mechanical elements including a pair of arms each provided with a yoke embracing the stem, said stem being provided with a filler head, said stem having a duct extending from the filler head to open through a side thereof within the drum.

2,436,080

RESINOUS COMPOSITION OF UREA-ALDEHYDE AND HYDROLYZED INTERPOLYMER OF A VINYL ESTER

Albert Faris Smith, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 17, 1943,
Serial No. 487,367

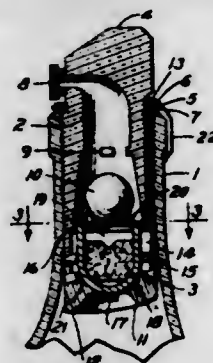
7 Claims. (Cl. 260—45.2)

1. A composition of matter comprising an intimate mixture of a thermosetting, soluble urea-aldehyde resin and a water-insoluble interpolpolymer which consists essentially of the hydrolyzed interpolpolymer of ethylene and a vinyl ester of a monocarboxylic acid and in which the mol ratio of ethylene to said vinyl ester is between 1:1 and 15:1, said hydrolyzed interpolpolymer constituting from 10% to 50% of said mixture.

2,436,081

CLOSURE FOR NONREFILLABLE BOTTLES OR OTHER CONTAINERS

Oliverio Agüero Soto, Habana, Cuba
Application March 8, 1945, Serial No. 581,592
2 Claims. (Cl. 215—22)



1. A closure for non-refillable containers, comprising, in combination with a container, a hollow cylindrical body adapted to rest through a washer on the upper end of the container and provided with air inlet and liquid outlet openings and with an annular recess interiorly of its lower end, a metallic cap that inviolably secures said hollow cylindrical body to the upper end of the container through a washer, a cylindrical valve loosely disposed within said hollow cylindrical body and slidable therein, and which is open above and closed below and ends in a semi-spherical portion having centrally arranged therein and formed therewith an outer nipple, a portion of a floatable material disposed within said semi-spherical portion of the valve, guiding means for said valve in its movement within said hollow cylindrical body, a seat for said valve, a pellet loosely disposed within said hollow cylindrical body and adapted to normally rest on the top of said valve, and means for limiting the run of said pellet within said hollow cylindrical body.

2,436,082

METHOD OF IMPROVING MIX AND DRYING EXTERIORS OF BOTTLES

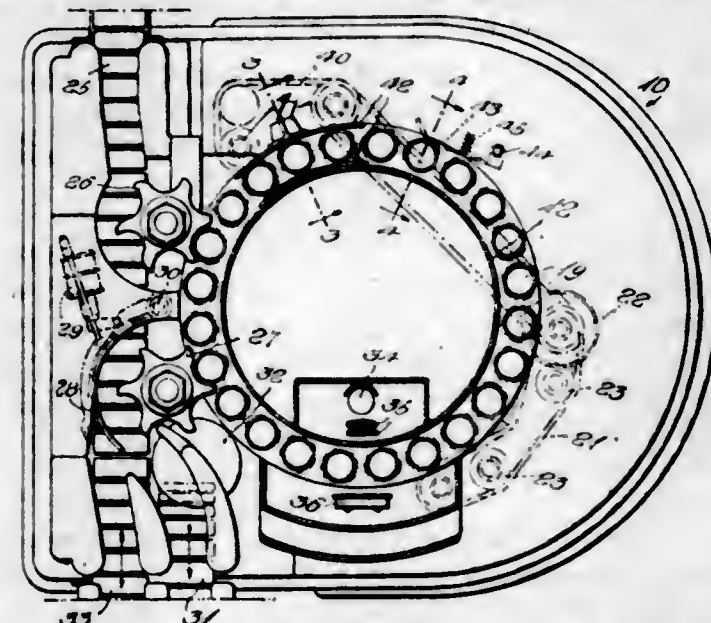
George Philip Stout, Baltimore, Md., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware

Original application September 10, 1941, Serial No. 410,315, now Patent No. 2,317,559, dated April 27, 1943. Divided and this application May 15, 1943, Serial No. 487,411

1 Claim. (Cl. 88—14)

The method of treating and inspecting a bottle and its content of freshly charged beverage mixture which comprises, rotating such bottle about its longitudinal axis at a speed of approximately 2000 R. P. M. to effect the removal of moisture from the exterior surface thereof and to bring

about more thorough mixture of its contents, abruptly checking such rotation, again rotating such bottle about its longitudinal axis at a re-



duced speed of approximately 1200 R. P. M. and inspecting the bottle and contents by passing a beam of radiant energy therethrough while the bottle is rotating at such reduced speed.

2,436,083

SEDIMENTATION TUBE

John W. Williams, Madison, Wis., and Edward M. Bevilacqua, Rutherford, N. J., assignors to The United States of America, as represented by the Atomic Energy Commission
Application June 12, 1945, Serial No. 599,071

5 Claims. (Cl. 73—61)



1. In apparatus for determining the rate of sedimentation of a finely divided material, in combination, a sedimentation tube adapted to receive a quantity of a suspension of said finely divided material in a liquid medium, a capillary measuring tube adapted to contain a measuring liquid and connected to said sedimentation tube at points above and below the normal liquid level of said suspension and a liquid trap formed in said capillary measuring tube near the lower junction of said capillary measuring tube and said sedimentation tube to prevent intermingling of said suspension and said measuring liquids.

2,436,084

IONIZATION CHAMBER

Barton L. Weller, Chicago, Ill., assignor to the United States of America, as represented by the Atomic Energy Commission

Application November 27, 1943, Serial No. 512,070
8 Claims. (Cl. 250—83.6)

1. Apparatus for measuring penetrating radiations comprising, in combination, a vacuum tight

2,436,086

PECTIC ACID COMPOSITIONS

Willard E. Baler, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application February 16, 1942,
Serial No. 431,139

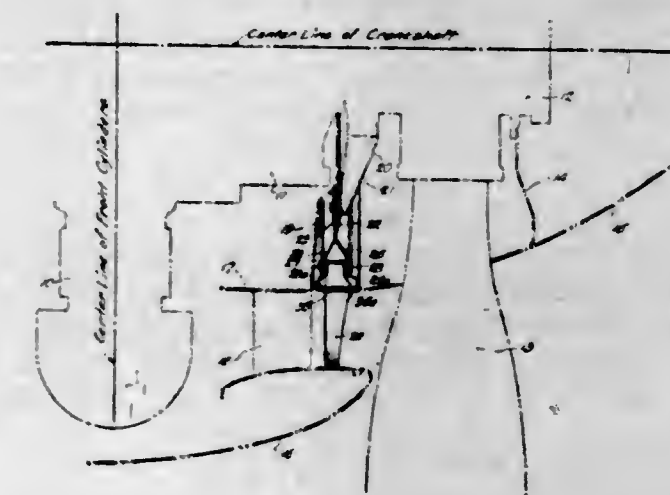
4 Claims. (Cl. 167—57)

4. As a new composition of matter, a substantially dry and chemically stable mixture comprising pectic acid and sodium bicarbonate in which the ratio of pectic acid to sodium bicarbonate is within the range of about 2.6 to 3.1 parts of pectic acid to one part of sodium bicarbonate, said mixture being capable of liberating carbon dioxide upon addition of cold water.

2,436,087

COOLING FAN FOR AIRCRAFT ENGINES

Ernest H. Benson, Kansas City, Mo.
Application December 4, 1944, Serial No. 566,563
6 Claims. (Cl. 230—120)

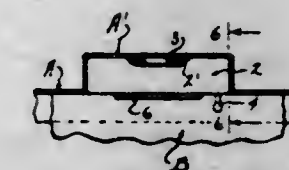


1. In a fan assembly for cooling aircraft engines adapted to be positioned in the air inlet port of an engine nacelle and driven from the propeller shaft the improvement comprising a blade support member, a plurality of fan blades pivoted adjacent their inner extremities in the blade support, a supplementary dampening support for said fan blades positioned intermediate their pivots and outer extremities including reinforcement flanges carried by the blade support and support members between the flanges for the individual blades.

2,436,088

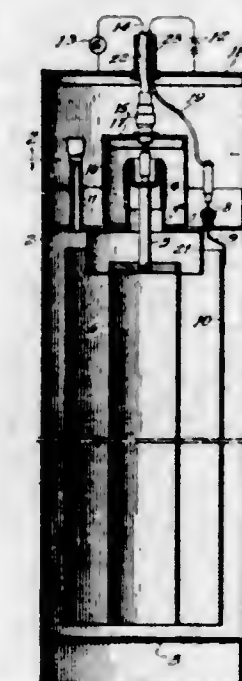
FLASHLIGHT FOR BOXES

Edward T. Bessler and James A. Orcholl, Milwaukee, Wis.
Application December 26, 1945, Serial No. 637,182
1 Claim. (Cl. 240—6.4)



A box top having an offset flat walled rectangular pocket, a flash light rectangular casing of the same area as the pocket, having a flat rear wall interrupted by a transversely disposed recess forming a vent channel, and a vacuum cup mounted in the casing recess normally projecting above the same, whereby the flat rear wall of the casing engages the corresponding wall of the pocket, and due to said engagement the vacuum cup is compressed.

sealed metal envelope, a collecting electrode and a high potential electrode contained therein, lead-ins connected thereto, insulators for insulating said lead-ins from said envelope, a guard ring secured to said envelope and extending into the chamber formed thereby in a manner so as to electrostatically shield the interior surface of said collecting electrode insulator from said high potential electrode and lead-in, an electrical

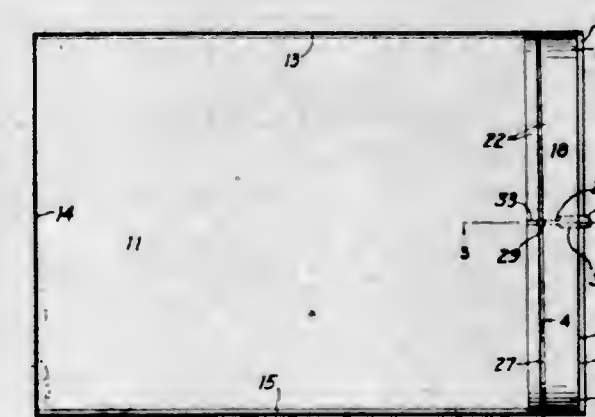


meter connected to said collecting electrode lead-in, said collecting electrode being maintained at substantially the same potential as said envelope, a voltage source connected between said high voltage electrode and said envelope exclusive of said collecting electrode lead-in, thereby draining leakage currents from the surface of said high voltage insulator to the voltage source in preference to said collecting electrode or meter.

2,436,085

VACUUM ENVELOPE FOR PHOTOGRAPHIC PRINTING

Charles F. Amering, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 29, 1947, Serial No. 725,061
7 Claims. (Cl. 95—76)

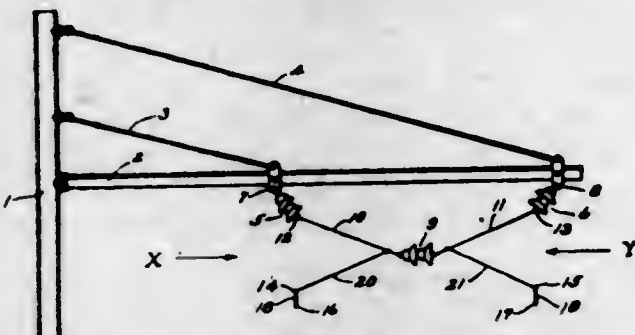


1. A photographic printing device comprising, in combination, a copy holding envelope provided with an open end and having at least a portion of one side thereof formed of a flexible light-transmitting material, of a rigid sealing strip adapted to fit snugly into said open end, and means on said strip for sealing and exhausting said envelope including a peripheral channel found on said strip and arranged in fluid communication with the interior and exterior of said envelope whereby said channel may be exhausted to evacuate said envelope.

2,436,089

STEADYING MEANS FOR CATENARY TROLLEY SYSTEMS

Leland W. Birch, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application December 29, 1945, Serial No. 638,124
9 Claims. (Cl. 191-41)

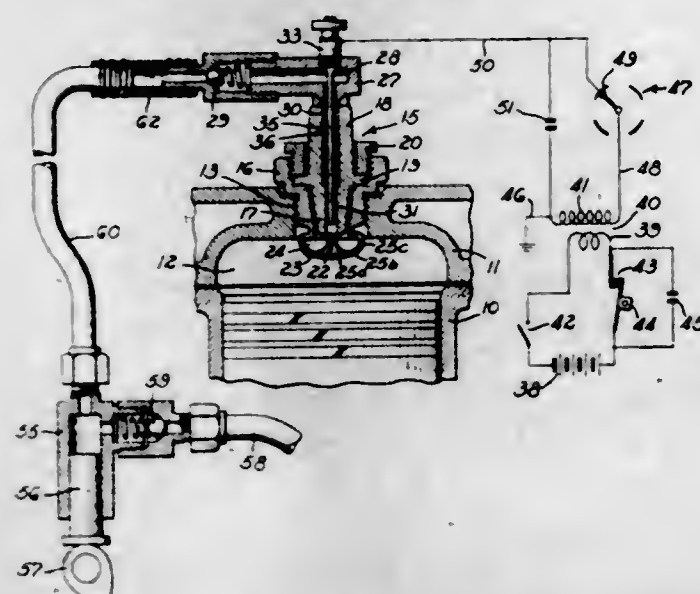


1. In a support for a pair of catenary trolley systems held in laterally spaced relation and each system including a messenger cable and an intermediate wire and a trolley wire as described; in combination a supporting structure and a pair of supporting insulators held by the support in spaced relation and each insulator adapted to receive and support one of the messenger cables of the catenary systems, a steady arranged to be interposed between the systems to prevent side sway thereof, the steady comprising a steady insulator positioned intermediate and below the supporting insulators, cross-spans extending from the steady insulator to the supporting insulators and a rod extending from the steady insulator to each catenary system and means on an end of each rod adapted to connect to an intermediate wire.

2,436,090

ELECTRICAL METHOD AND APPARATUS FOR INJECTING OR PROPELLING INCREMENTS OF FUEL OR OTHER FLUIDS

Albert G. Bodine, Jr., Burbank, Calif., assignor to The Calpat Corporation, Los Angeles, Calif., a corporation of California
Application September 12, 1941, Serial No. 410,548
25 Claims. (Cl. 123-32)



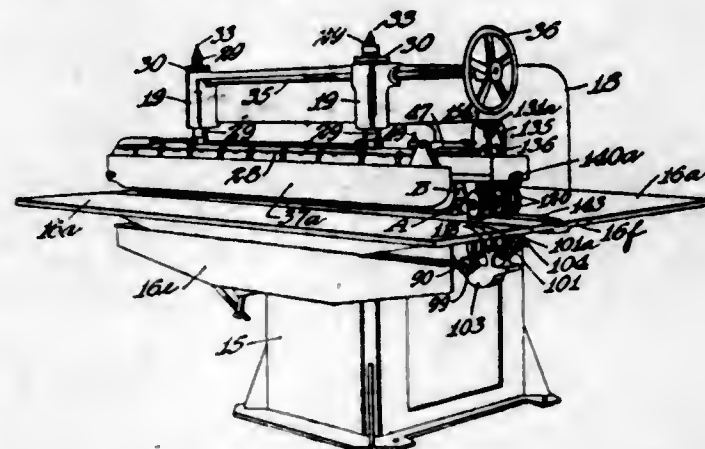
1. A method of metering small quantities of liquid from a passage into a space, which method includes the steps of: confining a body of said liquid within said passage against rearward movement therein, the confinement against rearward movement being sufficient to expel liquid forwardly from said passage into said space upon electric spark generation of a steep-wave-front pressure surge within said passage; establishing a series of such electric sparks of momentary duration within the liquid in said passage to expel respective increments of liquid from said passage into said space by the steep-wave-front

pressure surges produced by said sparks, as distinct from pressures arising from substantial combustion immediately adjacent such sparks; and supplying additional liquid to said passage in amount substantially corresponding to the amount of liquid expelled from said passage by said electric sparks.

2,436,091

VENBER EDGE-GLUING MACHINE

Oscar S. Bolling, Minneapolis, Minn., assignor to Mersen-Johnson Machine Company, Minneapolis, Minn., a corporation of Minnesota
Application March 4, 1944, Serial No. 525,037
9 Claims. (Cl. 144-279)

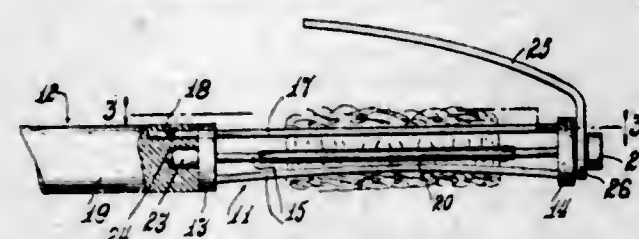


2. In an edge gluing machine, means for imparting like longitudinal feeding movements to a pair of edge glued butt jointed sheets of material and maintaining the butt jointed edges of the adjacent sheets under tight lateral squeezing pressure during said longitudinal feeding movements, said means comprising a cooperating pair of opposed endless feed belts each supported to provide an elongated relatively flat work-engaging run portion and an idle run portion, the work-engaging faces of said belts being longitudinally divided into smooth and serrated gripping surface portions, the serrated gripping surface portions of opposite belts being located on opposite sides of a plane normal to the work-engaging faces of the operative run portion of the belts and extending through the jointed edges of the sheets, and belt guiding members engaging transversely opposite edges of the operative run portions of opposite belts for progressively moving said belts laterally toward one another.

2,436,092

CURLING ROD

Harry Bonat, New York, N. Y., assignor to Samuel Bonat & Bro., New York, N. Y., a copartnership
Application February 22, 1945, Serial No. 579,244
19 Claims. (Cl. 132-33)



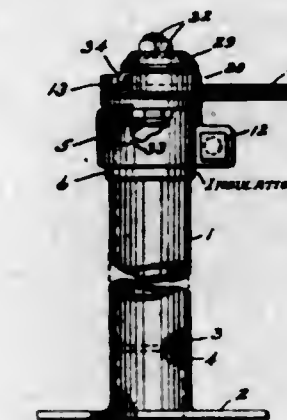
15. A curling rod comprising, in combination, a tubular cage-like body adapted to have a hair tress wound thereon tightly, a wall at each end of said body, circumferentially spaced bars extending between and mounted at their ends at said end walls, at least one of said bars being movable inwardly radially after a hair tress has been wound on said cage-like body to loosen the wound tress, said end walls being slotted to

receive the ends of the movable bar, and means fashioned in said slots to hold the movable bar outwardly radially while the hair tress is being wound on said rod.

2,436,093

CABLE POTHEAD

William P. Bovard, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 14, 1945, Serial No. 616,254
6 Claims. (Cl. 174-75)



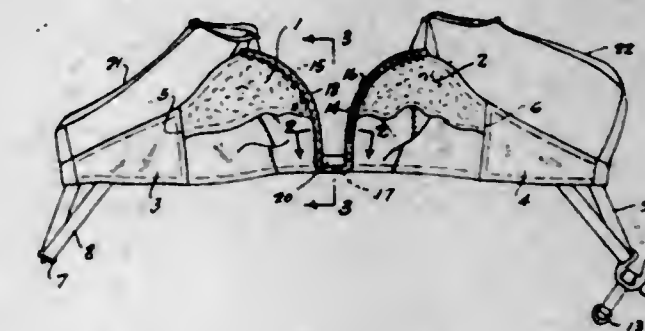
1. A cable outlet head comprising an inverted cap adapted to be mounted on an end of a standard in insulated relation to the standard, the upper portion of the cap being slotted to a point beyond its longitudinal axis and having an enlarged open portion at its longitudinal center through which securing means extends in non-rotatable relation to the cap, a solder retaining member provided with a receptacle portion positioned above the upper portion of the cap in spaced relation thereto, a supporting portion associated with the receptacle portion to rest upon the upper surface of the cap and hold the receptacle portion in said position, the receptacle provided with a cavity open on the top and on the side facing the supporting portion, the inner bottom face of the cavity being substantially flush with the adjacent upper surface of the supporting portion, an intermediate clamp mounted above the supporting portion to receive one or more cable conductor means therebetween with the end portion and end face positioned in the cavity, the said clamp having an opening to receive the securing means and a side face closing the open side of the cavity, a top clamp mounted above the intermediate clamp to receive conductor means therebetween and partially close the said top opening of the cavity, the solder retaining member and the said intermediate clamp covering substantially the entire exposed upper surface of the cap and each having a slot registering with the other slot and with the slot in the cap, the said securing means arranged to cooperate with the top clamp and cap and force the parts together and into clamping engagement with the conductor means.

2,436,094

BRASSIERE

Joseph R. Bowen, Los Angeles, Calif., assignor to Hollywood-Maxwell Co., Los Angeles, Calif., a corporation of California
Application July 14, 1944, Serial No. 544,885
1 Claim. (Cl. 2-42)

In a brassiere, a pair of breast cups, an elongated rigid member of U-shaped configuration, the lower connecting portion of the member being disposed between the adjacent lower edges



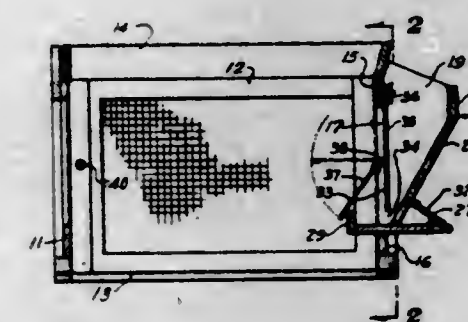
of the cups, and the arms of the member being curved to define those edges of the cups that are opposed to each other adjacent the center of the

garment, said arms extending upwardly and away from the center of the garment to the top regions of the cups, and means for attaching the connecting portion and the arms to the cups.

2,436,095

HUTCH FOR SMALL LIVESTOCK

Merlin H. Brossia, Whittier, Calif.
Application January 11, 1946, Serial No. 640,439
8 Claims. (Cl. 119-18)



7. A hutch unit comprising an enclosure having openings, hoppers in said openings, abutment members in said enclosure and above the bottom thereof, slidable plates forming the bottoms of said hoppers and co-operating with said abutment members to form troughs, spring means to hold said plates against said abutment members, a panel secured over the front of one of said openings and forming the front of one of said hoppers, the lower end of said panel being spaced from the slidable plate and the bottom of the hopper to provide a throat communicating with a trough, said panel being adjustable to vary the area of the throat, a flap to open and close said trough and means to operate said flap.

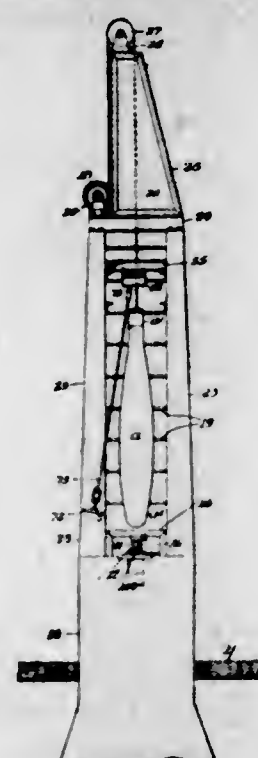
2,436,096

APPARATUS FOR TESTING THE STATIC BALANCE OF PROPELLER BLADES

Leroy B. Chubb, Toledo, Ohio, assignor to Avco Manufacturing Corporation, a corporation of Delaware
Application May 14, 1943, Serial No. 487,000
20 Claims. (Cl. 73-66)

1. Apparatus for use in making propeller blades provided with a shank for connection to a hub comprising, a supporting structure, means adapted to be connected to the shank of the blade for suspending the blade from said structure so it is free to hang vertically with the tip at its lower end, and an optical device on said structure for viewing the tip of the blade from below, including means for measuring the devia-

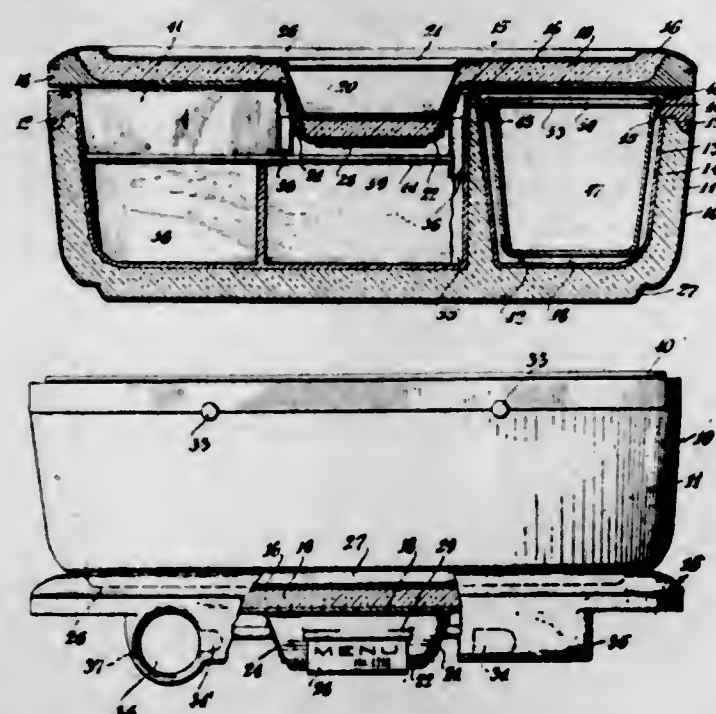
tion between the vertical line of the hanging center and a mark on the physical longitudinal



axis at the tip of the blade in different angular directions.

2,436,097 DISH

Houghton W. Clarke, Bronxville, N. Y.
Application March 23, 1943, Serial No. 480,129
6 Claims. (Cl. 65-59)

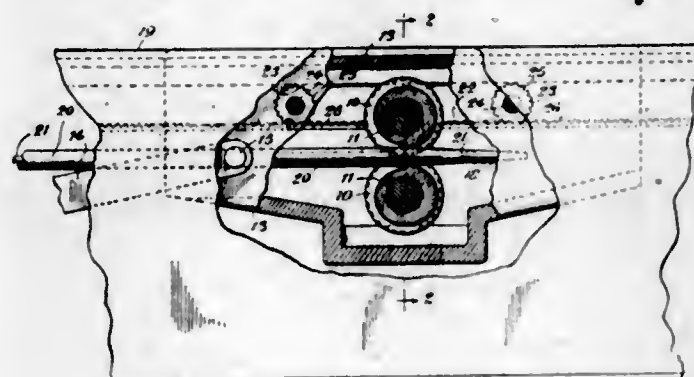


3. A dish for serving prepared meals which comprises a body portion having a food-receiving recess therein for receiving at least a portion of a meal, a lid therefor, one edge of the lid and the corresponding edge of the body portion being provided with interengaging locking means operable to release said lid only by movement of one part thereof into a recess adjacent the locked position of said part, said recess being open to, and visible from, outside the covered dish and the periphery thereof being formed with a shallow groove to engage a disc, and a paper disc adapted to fit into said recess and engage in said groove and having a tab cut but not lifted from the disc, whereby the disc can be pulled out, said disc bearing an identifying symbol.

5. A dish for serving prepared meals which comprises a body portion, a lid therefor, one edge of the lid and corresponding edge of the body portion being provided with inter-engaging parts which together comprise a locking means operable to lock and to release said lid on said body portion, one of said parts being formed with a recess open to, and visible from, outside the covered dish, the recess being adapted to receive

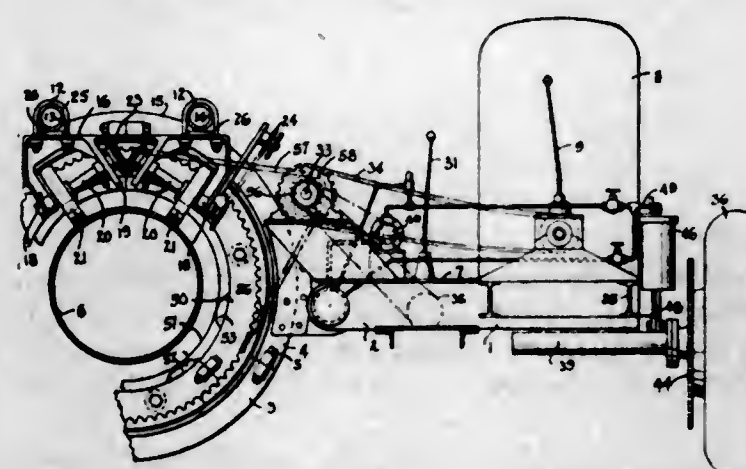
a disc of easily destructible material and to peripherally engage the edges thereof, the other of said parts including a projection positioned so as to enter a portion of said recess when said parts are lockingly engaged and so that, when the interengaging parts are operated to release said lid, said projection passes through a part of said recess which is normally occupied by said disc, whereby said disc is defaced by said projection whenever the locked dish is opened.

2,436,098
TUBE REDUCING MILL
George B. Coe, Upper Montclair, N. J.
Application March 16, 1945, Serial No. 583,099
2 Claims. (Cl. 80-14)



1. In a tube reducing mill, the combination with the frame thereof, the die-rolls, a reciprocating carriage in which the die-rolls are symmetrically mounted with respect to a vertical line through the center of the carriage, and means to reciprocate the carriage, of means to suspend the carriage from a horizontal plane above the point where the reciprocating means is secured to the carriage, said last named means comprising tracks on the frame on each side respectively of the carriage and lying in said horizontal plane, supporting rollers journaled on the carriage both fore and aft and on each side thereof and adapted to roll on said tracks, gears secured to the rollers to rotate therewith, and racks secured to the frame on each side of the carriage respectively and lying along the respective tracks in mesh with the respective gears on each side of the carriage, the distance between the axes of the fore and aft supporting rollers being at least four times the distance between said horizontal plane and the point where the reciprocating means is secured to the carriage.

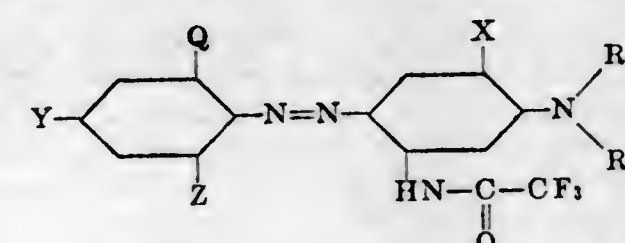
2,436,099
PIPE CLEANING MACHINE
James D. Cummings and Milton P. Laurent,
Houston, Tex., assignors to Crutcher-Rolls-Cummings Company, Houston, Tex., a corporation of Texas
Application February 20, 1942, Serial No. 431,650
12 Claims. (Cl. 15-104.04)



1. A portable pipe cleaning machine including a frame, means to movably support said frame

upon the pipe being cleaned including a yoke, rollers carried by said yoke, means to adjust the yoke relative to the frame so that different sized pipe will be centered for cleaning, and means mounting said rollers so that each roller is normal to the pipe at the arc of contact and slidable on a tangent to the periphery of the pipe so as to accommodate different sized pipe without wedging said rollers relative to the different pipe.

2,436,100
MONOAZO DYE CONTAINING A TRIFLUORO ACETYLAMINO GROUP
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 2, 1944, Serial No. 524,773
7 Claims. (Cl. 260-207)



wherein Q represents a member selected from the group consisting of a hydrogen atom and a nitro group, Y represents a member selected from the group consisting of a hydrogen atom and a nitro group, at least one of the members Q and Y being a nitro group, Z represents a member selected from the group consisting of a hydrogen atom, a halogen atom, a cyano group, a hydroxyl group, a trifluoromethyl group, a low carbon alkylketo group, a low carbon alkylsulfone group, a

$\text{---SO}_2\text{N---low}$
carbon alkyl group, a

$\text{---SO}_2\text{N---low}$
carbon alkoxyalkyl group and a

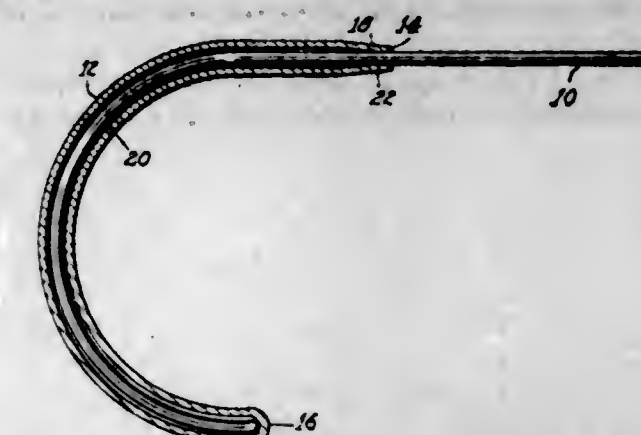
$\text{---SO}_2\text{N---low}$

carbon hydroxyalkyl group, X represents a member selected from the group consisting of a low carbon alkoxy group, a low carbon thioalkyl group and a trifluoromethylthio group, R₁ represents a member selected from the group consisting of a hydrogen atom, a low carbon alkyl group and a low carbon hydroxyalkyl group, and R₂ represents a member selected from the group consisting of a low carbon alkyl group and a low carbon hydroxyalkyl group.

2,436,101
REPLACEABLE OPTICAL TEMPLE COVER
John C. Dirlam and John I. Morris, Southbridge, Mass., assignors to J. I. Morris Co., Inc., Southbridge, Mass., a corporation of Massachusetts
Application March 11, 1946, Serial No. 653,573
5 Claims. (Cl. 88-52)

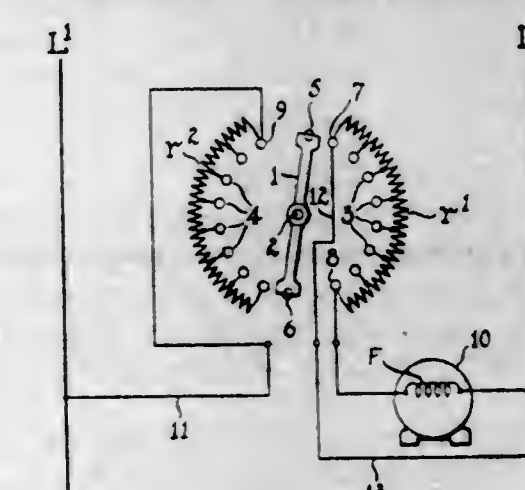
2. Combination of an optical temple and a slidably removable cover therefor, said cover comprising a tubular elastic member having an open end and a closed end, said member having an inside diameter greater than the thickness of the temple, and a short portion of the cover member adjacent the open end having a reduced inside

diameter originally less than the thickness of the temple, so that the cover member grips the



temple at said reduced portion and the cover member is sealed thereby.

2,436,102
CIRCUIT CONTROLLER
Louis R. Douglas and Edwin W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 26, 1944, Serial No. 542,229
2 Claims. (Cl. 175-335)

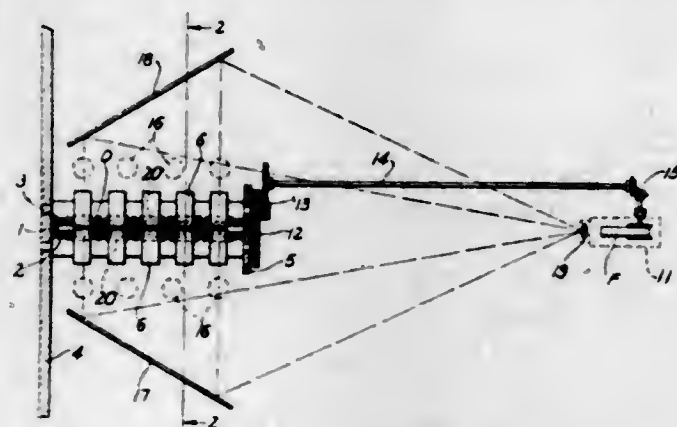


2. The combination with an electroresponsive winding, of a control rheostat therefor comprising a first resistor, a second resistor and bridging arm therefor of the double ended type pivoted intermediate its ends, said arm having a position in which it interconnects said resistors end to end and being movable in one direction from such position to interrupt circuit between said resistors or movable in a reverse direction from such position to shift the interconnection of said resistors to taps thereof, a power supply circuit, a connection between one line of said supply circuit and the end terminal of said first resistor farthest removed from said arm in circuit interrupting position, a connection between another line of said supply circuit and said second resistor at its end terminal utilized in interconnecting said resistors in the first mentioned position of said arm and a second connection from the latter line of said supply circuit to said second resistor through said electroresponsive winding, said connections of said second resistor providing in all positions of said arm a discharge path for said electroresponsive winding.

2,436,103
PHOTOGRAPHIC RECORDING EQUIPMENT
John F. Egan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1946, Serial No. 646,534
6 Claims. (Cl. 88-24)

1. In photographic recording apparatus for simultaneously photographing both sides of a document, the combination with a camera, a doc-

ument station, means for simultaneously illuminating both sides of the document when at said station, and a reflecting means on each side of said station for directing the images of the obverse and reverse sides of the document into said camera and also incidentally directing thereinto



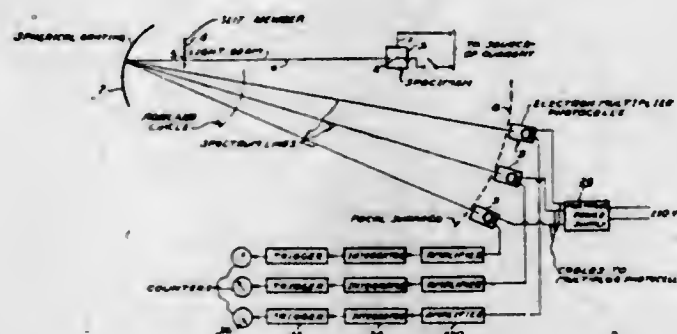
undesirable images transmitted through the document, of light filter means adjacent to and on each side of said station, each of said filter means comprising two elements of complementary colors and arranged in inverse relationship to each other for eliminating the images formed by the light transmitted through the document.

2,436,104

PHOTOELECTRIC APPARATUS FOR SPECTROGRAPHIC ANALYSIS

Alken W. Fisher and William B. Warren, Pittsburgh, Pa., assignors to Fisher Scientific Company, Pittsburgh, Pa., a corporation of Pennsylvania

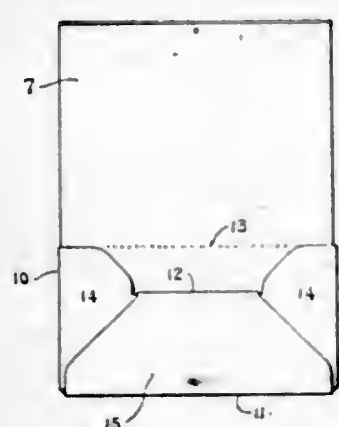
Application May 11, 1944, Serial No. 535,157
4 Claims. (Cl. 88—14)



1. In a spectrograph, the combination of means for excitation of a sample, means for dispersing light from the sample to form a spectrum, a member having a slit disposed between said sample and spectrum-forming means, at least two selecting members disposed on the focal surface of said spectrum-forming means and adjustable over said surface for selecting and passing individually predetermined narrow bands of spectral energy received at said surface from said spectrum-forming means, a photocell associated with each of said selecting members for movement therewith and for receiving substantially simultaneously light energy passed by the members, an electric circuit associated with each of said photocells for measuring the intensity of light energy passed by its selecting member and including indicating means to register the energy output of the photocell, and means associated with one of said indicating means to open the circuits of all of the indicating means when it indicates a predetermined value in response to the photocell associated therewith.

2,436,105 SUSPENDED POCKET

William O. Fidler, Normandy, Mo., assignor to Skinner & Kennedy Stationery Co., St. Louis, Mo., a corporation of Missouri
Application February 7, 1946, Serial No. 646,121
2 Claims. (Cl. 129—1)

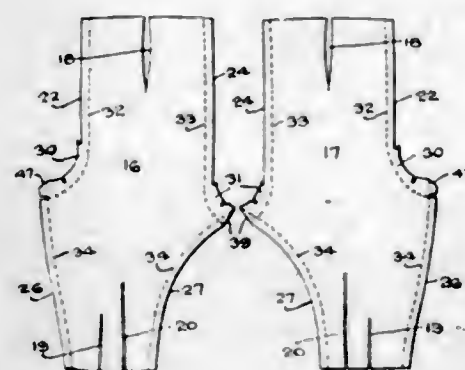


2. A pocket device comprising a suspension sheet having an upturned bottom margin, and a pocket anchored at said bottom margin, said pocket comprising a separate sheet embracing said suspension sheet and having folded side flaps located between the body of the suspension sheet and its upturned bottom margin, said separate pocket sheet also having an extension folded upwardly below the bottom of said suspension sheet to lie in front of said side flaps, and a continued extension folded over said side flaps and extending downwardly between the side flaps and the suspension sheet, so as to anchor the separate pocket sheet to the suspension sheet.

2,436,106

CHILD'S GARMENT

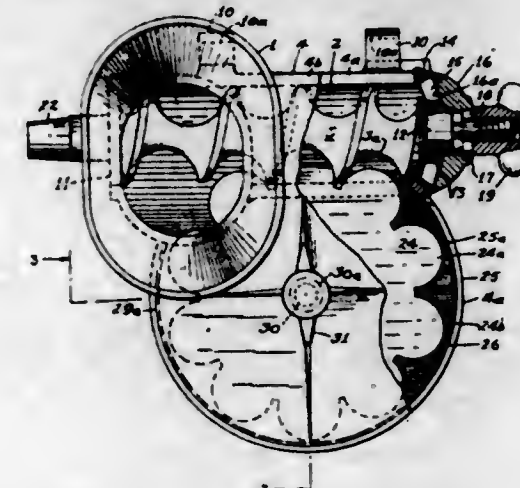
Aaron A. Goldstein, Philadelphia, Pa., assignor to Coat Craft Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 26, 1946, Serial No. 718,532
2 Claims. (Cl. 2—227)



1. In a bifurcated garment of the character described, a patterned fabric member comprising an upper body-forming portion having substantially parallel longitudinally extending side edges, a lower leg-forming portion having shaped longitudinally extending side edges and a seat and crotch-forming portion intermediate said body and leg-forming portions, said intermediate portion including a pair of oppositely projecting wing-like sections the upper edges of which are respectively defined by arcuate lines extending downwardly and outwardly from the longitudinally extending side edges of the upper body-forming portion, the outer extremity of said wing-like sections being truncated along lines intersecting said arcuate lines and forming obtuse angles with the longitudinally extending side edges of the lower leg-forming portion of said member.

2,436,107 POSITIVE FEED FOOD CHOPPER

George Haniquet, Glendale, Calif.
Application July 21, 1944, Serial No. 545,916
1 Claim. (Cl. 146—182)

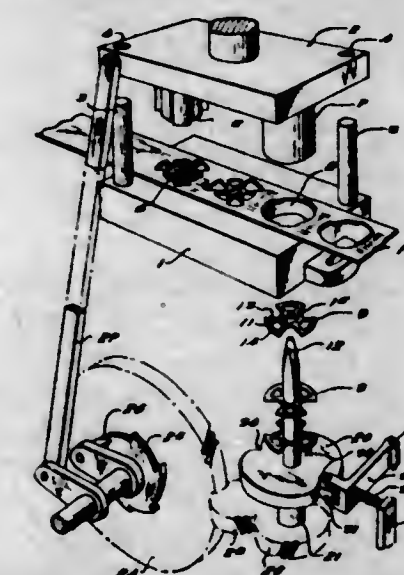


A positive feed food chopper comprising a casing having a lower part with a half-cylindrical groove therein and a lower housing for a pusher wheel, an upper casing part having a half-cylindrical groove therein adapted to cooperate with the first-named half groove to form a cylindrical channel, said upper casing part having a hopper communicating with the second-named half cylindrical groove, a cover carried by the upper casing part and adapted to close the lower housing, a pusher wheel rotatably mounted between the lower housing and cover, a screw rotatably mounted in the channel and having a helical groove, said pusher wheel having convex segments in its periphery successively receivable in the groove as the screw is rotated, said segments causing any material in the groove to be advanced therealong, and material cutting means disposed at the end of the screw and actuated by the screw, said pusher wheel positively moving the material to the material cutting means to be acted thereupon, said lower casing parts having hooks constituting half-bearings, and said upper casing part having trunnions receivable in the hooks when the former is inverted, whereby the upper casing part can be swung into closed position after the trunnions are connected to the hooks, and a fastening screw for securing the cover to the lower housing part when the upper casing part is in closed position, said fastening screw also acting as the bearing for the pusher wheel.

2,436,108

METAL-EDGE FILTER STACK

Paul Heftler, Windsor, Ontario, Canada
Application March 9, 1944, Serial No. 525,750
8 Claims. (Cl. 210—169)



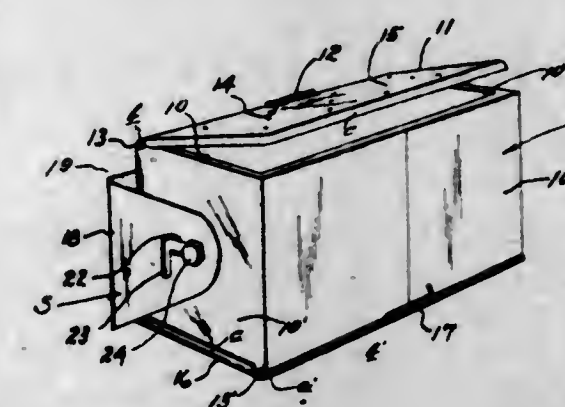
1. A metal-edge filter stack comprising a plurality of thin superposed identical pieces threaded

on a central stem and having the same side up, the stem and the holes in the pieces through which the stem passes being shaped so that each piece could fit on the stem in two angularly different concentric positions and cannot rotate on the stem, each piece having a central part and arms radiating from the central part and curved parts joining the ends of the arms, the central part being like the hub of a wheel and having the hole through which the stem passes, the arms being like the spokes of a wheel and being even in number and evenly spaced, the curved parts being like parts of the rim of a wheel but there being only half as many curved parts as there are arms, the curved parts being arranged evenly around the piece so that they alternately join arms together and leave gaps between them, the two positions in which each piece can fit on the stem having an angle between them that is equal to or is an odd multiple of the angle between two successive arms, and the pieces being arranged on the stem alternately in one position and then in the other so that the arms of each piece lie directly on top of the arms of the pieces below and leave continuous longitudinal passages in the stack and so that the gaps between the curved parts of each piece lie between the curved parts of the pieces just above and below, the gaps thus providing thin slots connecting the outside of the stack to the longitudinal passages in the stack and permitting liquid to flow while stopping particles of dirt.

2,436,109

FISHING BAIT HOLDER

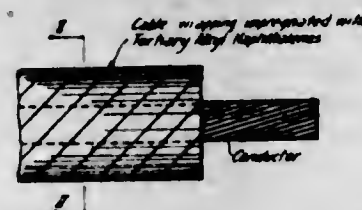
Alexander A. Kollman, Los Angeles, Calif.
Application September 20, 1946, Serial No. 698,282
2 Claims. (Cl. 224—5)



2. A holder of the character stated, comprising a body having two opposite sides open and including side walls and end walls, closure members for the open sides, supporting means for the body comprising a bracket including an intermediate member and outstanding spaced arms each being provided with a slot having a horizontally disposed portion and a depending right angularly disposed portion, and pivot pins carried by the end walls of the body and each slidably engaged in a slot, the depending portions of the slots being spaced from the intermediate member of the bracket a distance to bring the inner side wall of the body closely adjacent to the intermediate member of the bracket when the pivot pins are within the said depending portions of the slots, whereby the body member is held against rotation, said body member when the pins are in the forward ends of the horizontally disposed portions of the slots being free to rotate, the intermediate member of the bracket being provided with means to permit the bracket to be mounted upon a waist-encircling member or the like.

2,436,110
ELECTRIC CABLE IMPREGNATED WITH
TERTIARY ALKYL NAPHTHALENES

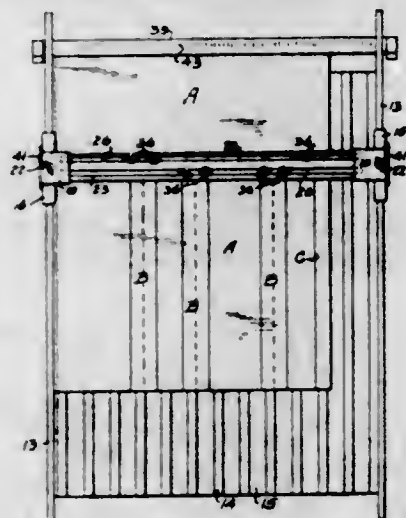
**Robert G. Larsen, Berkeley, Calif., assignor to
Shell Development Company, San Francisco,
Calif., a corporation of Delaware**
Application January 11, 1943, Serial No. 472,059
7 Claims. (Cl. 174-25)



1. An electric cable comprising a conductor, a wrapping of non-conducting porous material on said conductor, said material being impregnated with a viscous non-oxidizing hydrocarbon oil dielectric consisting of tertiary alkyl naphthalenes having a boiling temperature above 190° C. at 3 mm. of mercury and a viscosity index below -100.

2,436,111
TRIMMING AND GROOVING MACHINE

Clarence W. Lowe, Tacoma, Wash.
Application April 30, 1945, Serial No. 591,143
14 Claims. (Cl. 164—73)



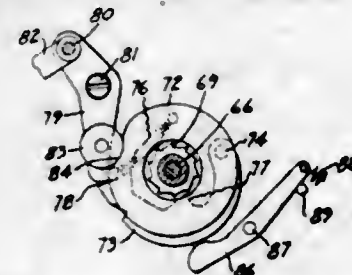
1. In a grooving machine, the combination with a pair of parallel members forming the sides of the frame of said machine; a table mounted between said sides and adapted to receive the material to be grooved; means for holding the material against motion thereon; guide bars mounted on the upper edges of said members; carriages mounted on said guide bars and slidable thereon; carriage frames on said carriages; a pair of rotatable vertical supporting screws in said carriages; a cross beam supported at each end by said screws, said cross beam having a downwardly open channel on its lower side; knife blocks adjustably supported within said channel, the ends of said blocks being beveled; and two knives secured to the beveled ends of said blocks and adapted to cut grooves in the material on said table.

2,436,112
LATCH OPERATED POSITIVE CLUTCH
MECHANISM

**Anthony B. Machado, Oakland, Calif., assignor
to Friden Calculating Machine Co., Inc., a cor-
poration of California**
Application September 7, 1942, Serial No. 457,537
5 Claims. (Cl. 192—28)

1. A clutch including a driving part and a driven part, said driven part including an element movable radially inwardly and outwardly to establish or break the drive, and means for

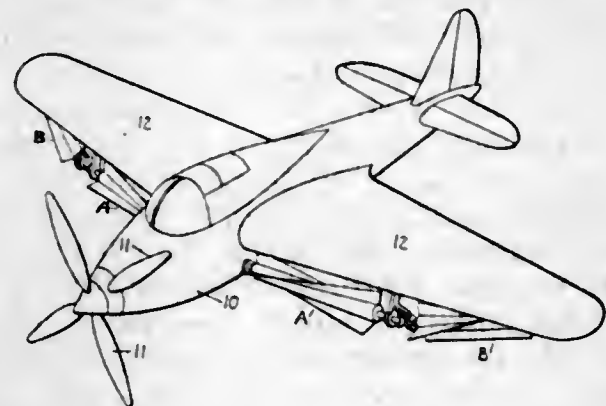
stopping and centralizing the driven part of the clutch in the full cycle position thereof including a member movable into the path of said element to cause radially outward movement thereof and



yieldable means engageable by said element upon said outward movement thereof to aid said member in stopping and centralizing said driven part of said clutch.

2,436,113
AIRPLANE PROPELLER

David W. Main, Denver, Colo.
Application October 5, 1942, Serial No. 460,759
8 Claims. (Cl. 244-9)



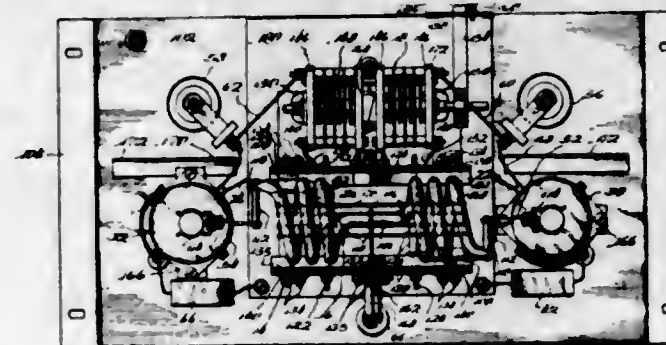
1. In an airplane having a fuselage, and at least one pair of wings, propelling and lifting means associated with the airplane comprising, elongated propeller elements extending laterally from opposite sides of the fuselage, each propeller element comprising two sections, the sections nearest the fuselage being mounted for rotation about axes substantially perpendicular to the axis of the fuselage, means for rotating the elements in such a direction that their front surfaces move downwardly, the outer sections being mounted for rotation about upwardly and rearwardly extending axes, means for transmitting motion to the inner section, means for transmitting motion to the outer sections comprising a universal joint, each section having a plurality of radial longitudinal spaced spokes, blades positioned between the spokes and mounted for rotation about their axes from open to closed position, and means comprising a cam mechanism associated with each section for alternately opening and closing the blades as the section rotates.

2,436,114
RESONANT CIRCUIT ASSEMBLY

Rolland H. Maxson, Milton, Wis., assignor to The Burdick Corporation, Milton, Wis., a corporation of Delaware
Application August 16, 1943, Serial No. 498,856

1. In apparatus of the character described comprising electronic devices including anodes and operated in push-pull supported on a metallic chassis and having a resonant circuit in their anode circuit, said resonant circuit comprising a condenser including in combination, a plurality of spaced apart condenser plates, each having an aperture, means including conductive supports for alternate condenser plates extending through apertures in the other alternate condenser plates

for securing said condenser plates in assembled spaced apart relation, means for connecting the supports to the anodes of the devices, insulating supporting structure at opposite sides of said plate assembly for supporting said plates, metal-



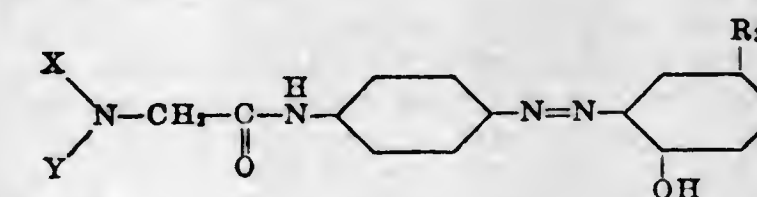
lic plates secured to said insulating supporting structure, means for connecting said metallic plates to the source of anode voltage, said metallic plates being cut away to provide spacing therebetween and said supports, and insulating means for supporting said metallic plates on said chassis.

2,436,115
MONOAZO COMPOUNDS

James G. McNally, Oak Ridge, Tenn., and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

**No Drawing. Application June 15, 1945,
Serial No. 599,743
8 Claims. (Cl. 260—207)**

2. The azo compounds having the general formula:



wherein R₃ represents an alkyl group containing from 1 to 2 carbon atoms and X and Y each represents a member selected from the group consisting of a low carbon alkyl group, a low carbon alkoxyalkyl group, a low carbon hydroxyalkyl group, a low carbon sulfatoalkyl group and a low carbon sulfoalkyl group and Y may be in addition a low carbon aliphatic acyl group.

2,436,116
CELLULOSE ORGANIC ACID ESTER PLASTIC
CONTAINING RESORCINOL MONOBENZO-
ATE

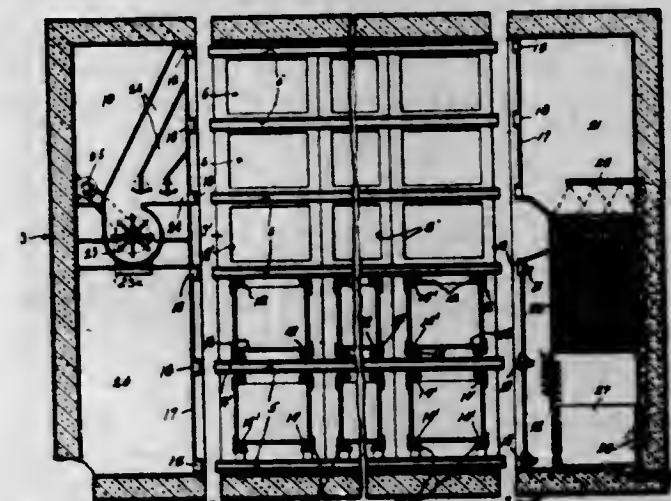
Lester W. A. Meyer and William M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

**No Drawing. Application May 4, 1945,
Serial No. 592,072
3 Claims. (Cl. 106—180)**

1. A cellulose organic acid ester plastic comprising a cellulose organic acid ester selected from the group consisting of cellulose acetate, cellulose propionate, cellulose butyrate, cellulose acetate-propionate and cellulose acetate-butyrate, a plasticizer therefor, and, as an agent for inhibiting deterioration of the plastic by ultra-violet light, approximately 1%–2% based on the weight of the cellulose ester, of resorcinol monobenzoate.

2,436,117
SECTIONAL FROZEN FOOD LOCKER PLANT
Herbert W. Morgan, Webster Groves, Mo., assign-
or to Hussmann Refrigerator Co., a corporation
of Delaware

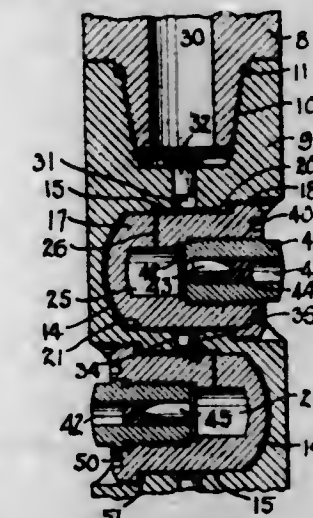
Application July 30, 1943, Serial No. 496,811
4 Claims. (Cl. 62-102)



1. A sectional frozen food locker plant comprising an intermediate section and separate end sections closing the ends of the intermediate section, and a closed cold air refrigerating system including separate vertically spaced air ducts extending through the intermediate section from end to end thereof without communicating therewith and communicating at their end with the end sections, said air ducts dividing said intermediate section into a plurality of vertically spaced chambers, means enclosed in one of the end sections for circulating air through the ducts and said end sections, and means in the other of the end sections for cooling the air.

2,436.118
GUN PERFORATOR

William E. Neal, Houston, Tex.
Application May 18, 1946, Serial No. 670,781
5 Claims. (Cl. 164—0.5)

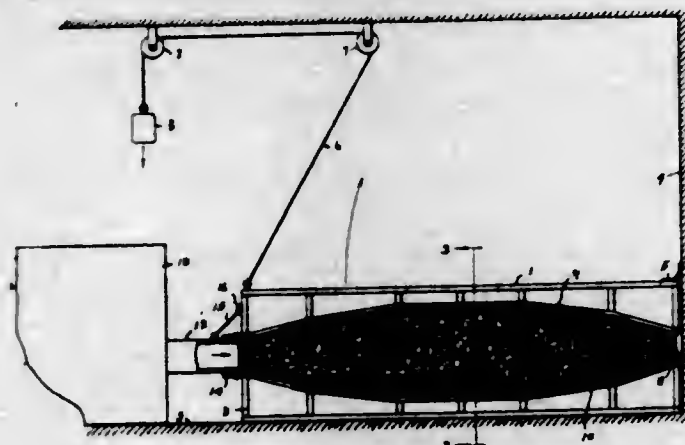


1. A gun perforator including, a body, said body having formed therein a plurality of lateral cavities at spaced longitudinal intervals, a removable firing unit in threaded position in each cavity, an annular enlargement formed substantially centrally of each cavity, said body peripherally contacting said unit at either side of said enlargement so that the body and the unit define an annular space about the unit, an axial passage in said body joining the enlargements of successive cavities, and means for successively firing said units, including a primer in said passage above the uppermost of said enlargements, a booster charge in each axial passage portion intermediate successive enlargements, and a propellant charge in each of said units in communication with the surrounding annular enlargement.

2,436,119

MATRESS FILLING BOX

Frederick Parker, Houston, Tex.

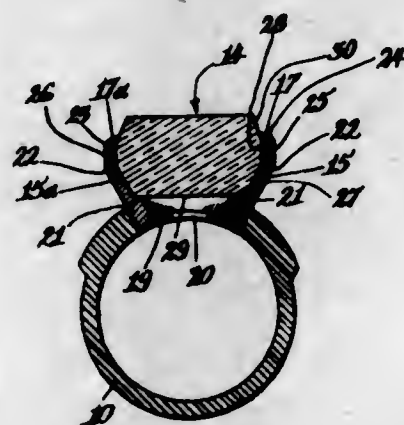
Application September 24, 1942, Serial No. 459,600
2 Claims. (Cl. 45-138)

1. In combination, an upper frame, a lower frame coinciding with and spaced from the upper frame means for pivoting one of said frames, at one end, so that the pivoted frame may move relative to the other frame, the facing sides of the frames being concave from end to end and said frames being formed with open work covered with perforated material throughout, a fabric sack between the frames and of substantially the same length and width as the frames and a chute of substantially the same width as the frames and sack and entering one end of the sack said sack being formed of open work material to allow the air to pass therethrough.

2,436,120

INTERCHANGEABLE JEWEL MOUNTING

David Pfeffer, New York, N. Y.

Application May 22, 1946, Serial No. 671,623
4 Claims. (Cl. 63-29)

1. An article of jewelry including a base, a socket secured to said base, a decorative piece mounted in the socket, a frame having a top wall provided with an aperture and adapted to engage and expose portions of said decorative piece, the side and end walls of said frame having resilient detents, lugs on the socket for detachable engagement with said detents.

2,436,121

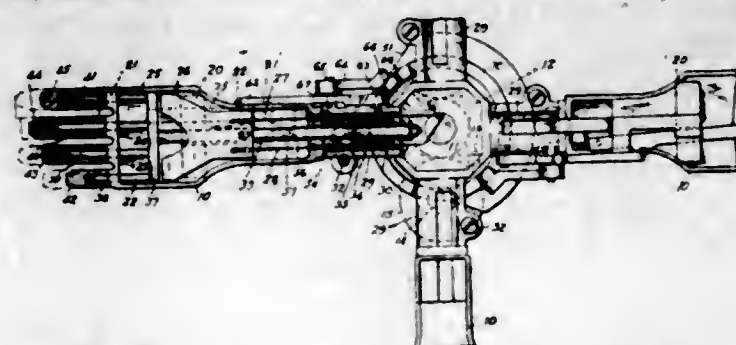
GARMENT STRETCHING AND PRESSING MACHINE

Irving Primus, Forest Hills, N. Y., assignor to Isidor Gerber, Brooklyn, N. Y.

Application December 29, 1945, Serial No. 638,073
5 Claims. (Cl. 223-78)

1. In a glove pressing machine, a heating form, means for turning and mounting a glove on the form, means for stretching the mounted glove including means for clamping one end part of the glove against the form and means for ten-

sioning and extending the other end part of the glove, and a thumb straightening and clamping

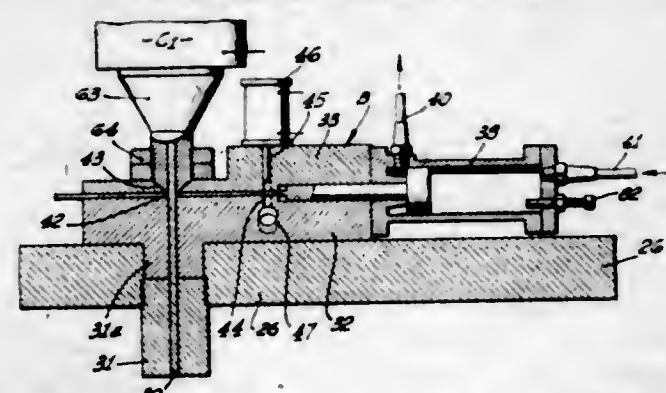


member extensible as a unit with the glove tensioning means.

2,436,122

INJECTION MOLDING APPARATUS

George F. Rotsler, Los Angeles, Calif.

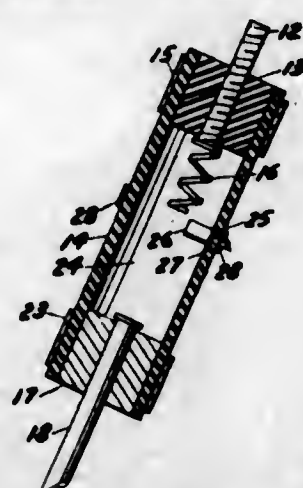
Application March 20, 1944, Serial No. 527,186
7 Claims. (Cl. 18-30)

1. An injection molding machine for plastic materials, including: a mold having a cavity therein; a valve body having a sprue leading to the mold cavity; a seat in said body at the entrance end of said sprue; a plate valve having a port therein and slidable in said body to open and close said sprue by the registry or non-registry of said port with said sprue; a cylinder having a nozzle thereon adapted to engage said seat; a source of plastic material for said cylinder; a ram movable in one direction in said cylinder to admit a charge of material to said cylinder from said source, and in another direction to eject the charge from said nozzle; mechanism operable to open said valve, move said cylinder so as to press said nozzle on said seat, then move said ram in that direction to eject the material charge from said nozzle and into said cavity through said sprue, and finally to close said valve; and a plunger positioned adjacent the path of said valve plate in registry with said valve port when said valve is in a retracted position out of registry with said sprue.

2,436,123

CURB FEELER SWITCH

Edward Sines, Toledo, Ohio

Application December 29, 1944, Serial No. 570,414
2 Claims. (Cl. 200-52)

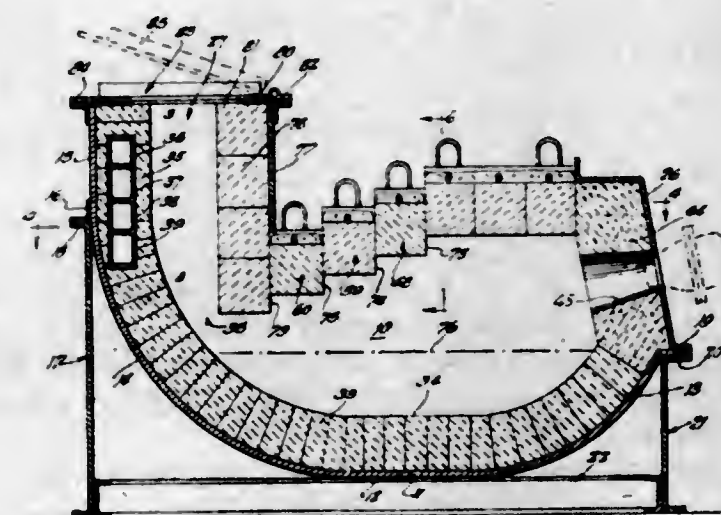
1. A curb-approach indicator device comprising a feeler arm, a flexible cylindrical tubular in-

sulation member having plug closures for the opposite ends of the member, one of said closures mounting the arm, a mounting for the member extending thru the other closure and providing electric conducting means into a chamber of the member formed between the closures, an electric conductor spring helix extending from the conducting means mounting and providing a switch contact, and an additional switch contact in the chamber and mounted therein spaced from the closures and rigidly carried to extend inward from the member wall, which wall is subject to distortion in response to movement of the arm relatively to the member mounting closure to disturb the relation between the switch contacts for making and breaking electric circuit.

2,436,124

REVERBERATORY FURNACE

Wenzeslaw Frank Sklenar, Chicago, Ill., assignor of one-fourth to John H. Ehardt, Chicago, Ill.

Application August 29, 1946, Serial No. 693,688
12 Claims. (Cl. 75-43)

1. The method of preparing metal for casting operations which comprises feeding the metal continuously over a predetermined period of time into a hopper, comprising the uptake outlet of a reverberatory furnace to provide a batch of metal of predetermined amount, the solid metal accumulating on the floor of the furnace at a restriction at the lower end of said uptake to be preheated by the passage of hot combustion gases out of the uptake, and projecting into said furnace from the opposite end an intense flame supplied with fluid fuel, and preheated air in predetermined mixture under predetermined pressure and velocity, the said flame being directed downwardly and rearwardly toward the accumulation of solid metal at said restriction and spreading to engage the roof of the furnace and the bed of metal in a concavity in the floor of the furnace and in a reservoir chamber disposed laterally of the flame to receive a portion of the flame, the upper combustion gases of the flame being projected against a plurality of abrupt shoulders and deflected downwardly a plurality of times toward the metal on the floor, causing the molten metal to drain by gravity from the point of melting to said reservoir, and restricting the flow of gases from an upper opening in said reservoir to provide sufficient passage of hot combustion gases through the reservoir for maintaining the molten metal in constant condition for casting operations.

607 O. G.-32

2,436,125

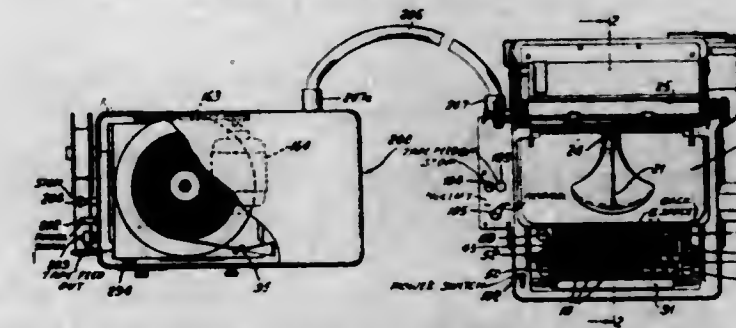
SILICA-ZIRCONIA CATALYSTS AND METHOD OF PREPARATION

Le Roy U. Spence, Elkins Park, and Darrel J. Butterbaugh, Abington, Pa., and Donald G. Kundiger, San Francisco, Calif., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Original application August 30, 1944, Serial No. 551,988. Divided and this application June 25, 1946, Serial No. 679,278
6 Claims. (Cl. 252-204)

1. A catalyst suitable for converting ethanol to butadiene which consists essentially of a mixture of silica and an oxide from the group consisting of zirconium and thorium oxides, said mixture containing from 20% to 90% silica and having been (a) digested at a temperature of at least 50° C. in an aqueous solution of a strongly alkaline material from the group consisting of quaternary ammonium bases, the hydroxides of the alkali metals and the silicates of the alkali metals, (b) freed of water-soluble materials, (c) brought to a pH of 8 to 9, and (d) dried.

2,436,126

APPARATUS FOR RECORDING OR TRANSMITTING INTELLIGENCEHenry L. Tholstrup, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 30, 1943, Serial No. 492,895
20 Claims. (Cl. 164-113)

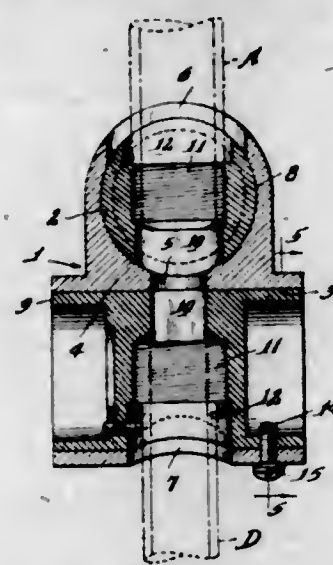
1. In apparatus for recording data on a record strip, the combination of a recorder; means for feeding the record strip past a data-recording position and being selectively adjustable to feed the strip either forward or backward; a typewriter comprising a carriage for holding a work copy and a plurality of character and functional keys; control means operable during normal operation of said typewriter and in response to the actuation of said keys to effect operation of said recorder to record data on said strip corresponding to the keys actuated; means effective during such normal operation to provide for a forward feeding operation of said strip feeding means; means operable at the selection of said operator for modifying said control means so as to provide for nullifying previously recorded data and to adjust the strip-feeding means to provide for feeding the strip backward; and means operable upon an operation of said modifying and adjustment changing means and in response to the actuation of a selected typewriter key to effect the backward feeding of said strip feeding means and the backward feeding of said typewriter carriage and to effect the nullifying of previously recorded data on said strip.

2,436,127

EXPLOSION-PROOF SWIVEL PIPE JOINTNils A. Tornblom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois
Application January 24, 1947, Serial No. 723,997
3 Claims. (Cl. 285-96.1)

1. An explosion proof swivel pipe joint device comprising a body member containing two cylin-

drical bores spaced apart and crossing each other at right angles at the axis of said device, trunnions each filling one of said bores and being rotatable therein, said device having an axial tunnel extending through the body member and the trunnions, that portion of the tunnel in each



trunnion having screw threads for engagement with the screw threaded end of a pipe, and that portion of the tunnel in the body member outwardly from each bore, and through which the corresponding pipe enters, being elongated circumferentially of that bore.

2,436,128

BUFFING COMPOUND

Robert V. Twynning and William T. Hakken, Jr., Grand Rapids, Mich., assignors to J. C. Miller Company, Grand Rapids, Mich., a corporation of Michigan

No Drawing. Application December 30, 1946, Serial No. 719,336

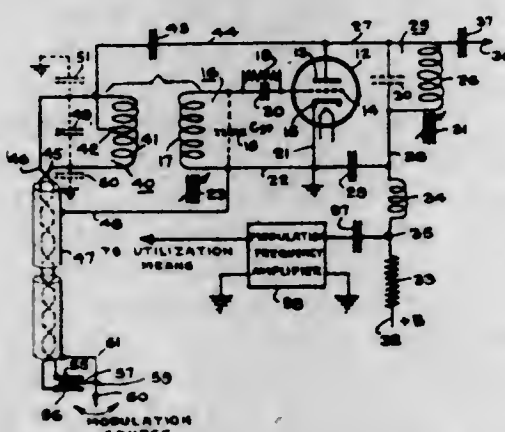
6 Claims. (Cl. 51-305)

1. A buffing composition comprising, azelaic acid, solid polyethylene glycol and an abrasive substantially uniformly mixed together.

2,436,129

OSCILLATOR

Paul Weathers, Haddon Heights, N. J., assignor to Herbert K. Neuber, Philadelphia, Pa. Application December 22, 1945, Serial No. 636,702



15. A self-excited electronic-tube oscillator system having a tuned grid circuit, an anode circuit and means to provide feed-back from the anode to the grid circuit, comprising a feed-back inductance coupled to both the grid circuit and to the anode circuit, and having a coupling connection from an intermediate point thereon, by means of which connection coupling to one of said circuits is effected, and means for conveying feed-back current from the anode circuit through said inductance differentially to provide differential in-phase and counter-phase inductive

feed-back of energy to said grid circuit to vary the amplitude of oscillations therein, as well as controlling the relative resonant frequencies of the circuits by reflected reactance.

2,436,130

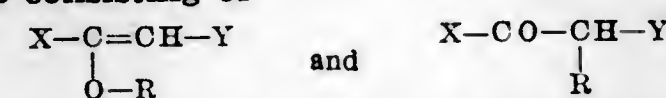
ACYL SUBSTITUTED REACTIVE METHYLENE COLOR COUPLERS

Arnold Weissberger, Charles J. Kibler, and Henry D. Porter, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 25, 1944, Serial No. 565,190

6 Claims. (Cl. 95-6)

3. The method of producing a colored photographic image in a gelatino-silver halide emulsion layer which comprises exposing the layer and developing it with a primary aromatic amino developing agent in the presence of a coupler compound having a formula selected from the group consisting of



where R is a carboxylic acid acyl group, and X and Y are selected from the class consisting of groups in which X is selected from the class consisting of alkyl and aryl, Y is selected from the class consisting of $-\text{COOC}_2\text{H}_5$ and $-\text{CONH}$ -aryl, and X and Y together represent the atoms necessary to complete a pyrazolone ring.

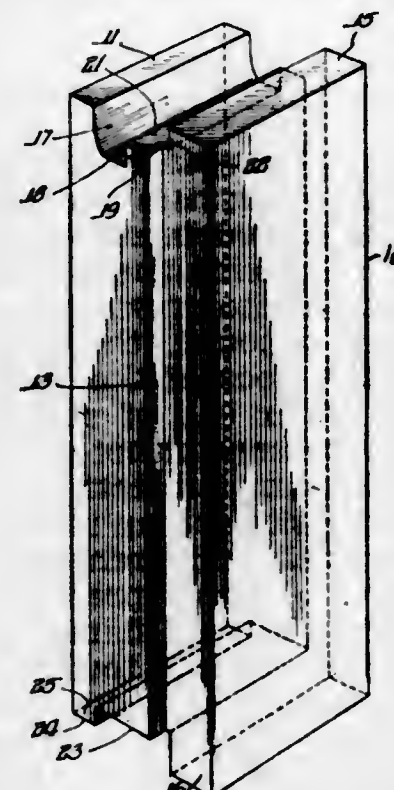
2,436,131

REFRACTORY TILE

Nels E. Werner, Detroit, Mich., assignor to Bigelow-Liptak Corporation, Detroit, Mich., a corporation of Michigan

Application September 30, 1943, Serial No. 504,349

1 Claim. (Cl. 72-25)



A solid refractory-tile substantially longer than its width and thickness and having a rear rectangular parallelepiped section and a front rectangular parallelepiped section parallel and integral with said rear section, said front and rear sections being offset laterally with relation to one another providing an outstanding rib along one longitudinal edge of the tile and a correlative space along the opposite longitudinal edge of the tile adapted to receive the corresponding rib of a like tile, the edges of each offset having plane parallel surfaces, the upper end

of the tile having a groove parallel to the front and back surfaces of the tile, said groove having two parallel communicating longitudinal parts of different depths, the greater depth part of said groove being located in and extending the full width of said rear section and being to the rear of the lesser depth part of the groove, the rear wall of said greater depth part being curved longitudinally forwardly downwardly of the tile for the purpose of bracing strength, the bottom of said lesser depth part of said groove being located in both sections and being a plane surface at a right angle to the front surface of the tile, the front wall of said lesser depth part of said groove being a plane surface parallel to front surface of the tile, the bottom end of said tile having a groove parallel to the front and back surfaces of the tile, and the bottom end of said front section of said tile extending lengthwise beyond the corresponding end of said rear section of the tile.

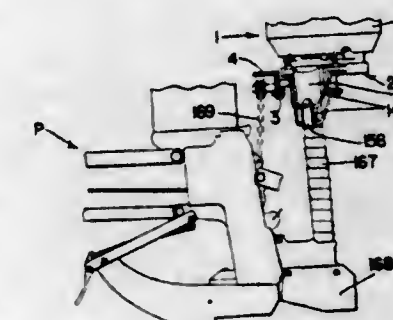
2,436,132

FERTILIZER DISTRIBUTOR

Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Original application January 31, 1941, Serial No. 376,751. Divided and this application March 1, 1944, Serial No. 524,837

10 Claims. (Cl. 111-67)



1. In an agricultural implement having a furrow opener and lifting means therefor, the combination with a fertilizer distributing mechanism including a base and a flexible fertilizer tube extending downwardly to said furrow opener, of a spout construction carried by said base for delivering fertilizer from said mechanism to said tube, comprising separable parts, said tube being connected with one part, and means whereby said one part is connected with the other part so as to be movable generally vertically and laterally away from the other part by generally upwardly directed force exerted thereon through said tube so that if, when said lifting means is actuated, said tube does not flex, said one part moves away from the other to accommodate said tube being lifted bodily with said furrow opener.

2,436,133

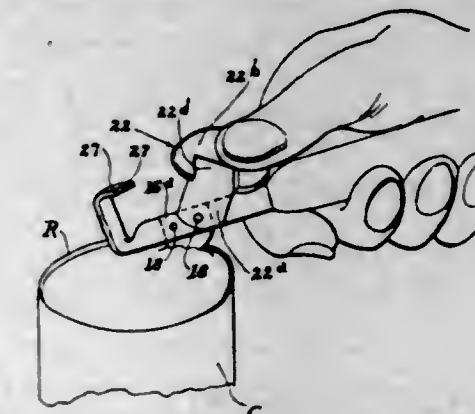
DEVICE TO OPEN CONTAINERS

Edmund B. White, Quincy, Mass. Application December 28, 1945, Serial No. 637,577

3 Claims. (Cl. 30-22)

2. A device of the class described comprising a lever, a blade attached thereto and extending along one side of said lever, and a pressure member movably attached to and extending along the other side of said lever and being rearwardly of said blade, said pressure member having a laterally extending portion and being so located with respect to said lever that it may slant rearwardly and bear on said lever, the front portion

of said lever having an angular twist therein, a portion of said lever beyond said twist being



bent away from said blade to form a guiding wall for the latter in cutting a container open.

2,436,134

PRODUCTION OF CHLORINE DIOXIDE

Royden N. Aston, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application March 12, 1945, Serial No. 582,409

5 Claims. (Cl. 23-152)

1. A process for the generation of chlorine dioxide which comprises contacting a chlorite with an organic acid anhydride.

2,436,135

HALOGENATION OF FLUORINATED COMPOUNDS

Paul L. Barrick, Wilmington, Del., and Robert E. Christ, Elizabeth, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 9, 1943, Serial No. 509,624

2 Claims. (Cl. 260-653)

2. A mixture obtained by admixing chlorine in the presence of light with a carbon tetrachloride solution of a tetrafluoroethylene/n-butane reaction product boiling at 94-111° C./31 mm. consisting mainly of $\text{H}(\text{C}_2\text{F}_5)_2\text{C}_2\text{H}_6$, and continuing said treatment until from two to four chlorine atoms are introduced into said reaction product.

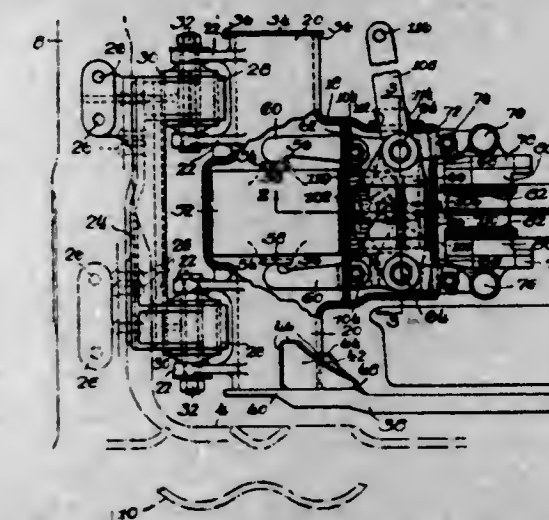
2,436,136

DISC BRAKE FOR RAILWAY VEHICLES

Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application June 12, 1944, Serial No. 539,885

20 Claims. (Cl. 188-59)



1. In a railway car truck, a supporting wheel and axle assembly having a rotating member with radial braking faces, a truck frame supported from said assembly, and braking means compris-

ing a housing supported from said frame with a torque arm connected to said assembly, and brake rigging within said housing including a fulcrum block pivoted therein, power means, a pair of brake levers fulcrumed at opposite ends of said block, operatively connected to said power means at corresponding ends and projecting from said housing and supporting braking elements for engagement with said faces, and release means connected between said levers at points intermediate their fulcrums and power connections.

2,436,137

PROCESS FOR PRODUCING MERCAPTANS
Charles Bedford Blawell, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 14, 1944, Serial No. 549,479

3 Claims. (Cl. 260-609)

1. Process for the preparation, in a closed system, of aliphatic dithiols which comprises adding carbon dioxide to a mixture of an aliphatic dihalide having the halogens as the only reacting groups and sodium hydrosulfide in 40-50% excess of that equivalent to the carbon dioxide and the dihalide, until the thereby induced pressure amounts to 50-100 pounds per square inch and heating the reaction mixture at 60-100° C.

2,436,138

PHOTOGRAPHIC EMULSIONS OF SILVER SALTS IN HYDROPHILIC POLYMERS OF 1,3-DIOXOLANE
Theodore Le Sueur Cairns, Roselle, and David Malcolm McQueen, Newark, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 27, 1944, Serial No. 565,402

4 Claims. (Cl. 95-7)

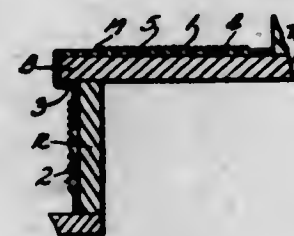
1. A photographic element comprising a support bearing at least one layer composed of a hydrophilic polymer of 1,3-dioxolane which polymer contains a large number of recurring units of the formula $-\text{CH}_2\text{OCH}_2-\text{CH}_2-\text{O}-$, has a molecular weight of at least 10,000 and a relative viscosity of 1.06 to 1.20 when present in an amount of 0.1% by weight in chloroform, said layer containing a light-sensitive silver salt.

2,436,139

STAIR COVER

James Clark, Akron, Ohio, assignor of one-third to Donald Gottwald, Akron, Ohio
Application April 6, 1946, Serial No. 660,059

2 Claims. (Cl. 20-79)



1. A molded rubber stair mat comprising a portion for lying flat on a horizontal stair tread, a portion for lying flat against a vertical stair riser, and a portion between said tread and riser engaging portions to lie close to the front edge and underside of said tread and having a groove in its outer surface along which the mat

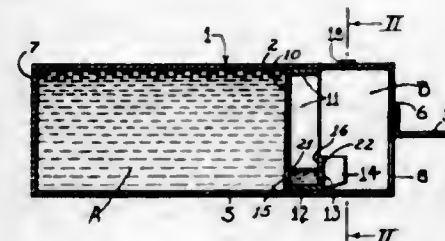
may bend to fit into the angular space at the intersection of the tread and riser, said riser portion being long enough to wedge between adjacent stair treads whereby the mat may be positioned and maintained in snug engagement with the riser and bead of the stair.

2,436,140

FIBERBOARD CREAM SEPARATING MILK CONTAINER

Clarence E. Deardorff, Sacramento, Calif., assignor to C. E. Deardorff, Inc., a corporation of California

Application July 17, 1944, Serial No. 545,356
6 Claims. (Cl. 229-15)



1. The combination with a carton having four sides and a top with an outlet opening therein, of a transverse partition dividing the carton into two compartments, said partition having three edges contacting three of the carton sides and having a fourth edge V-shaped with the apex of the V spaced from the fourth side to provide a fluid passage between the compartments, a ledge paralleling the partition and placed in the compartment closed by the carton top, said ledge extending inwardly from the fourth carton side and contacting with the carton sides disposed adjacent to the fourth side, said ledge having a concave V-shaped edge facing in the opposite direction of the V-shaped edge of the partition, the apex of the ledge concave edge lying in a line that parallels the carton sides and that substantially coincides with the apex of the partition V-shaped edge, and means on the carton for indicating the position in which the carton must be held to dispose the ledge at the underside of the carton when the latter is held in pouring position.

2,436,141

DIALKYL ESTERS OF LONG-CHAIN ALKYLPHOSPHONATES

Max T. Goebel, Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1946, Serial No. 652,788

1 Claim. (Cl. 260-461)

The chemical compound diethyl dodecylphosphonate.

2,436,142

POLYFLUOROCYCLOBUTENES

Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 3, 1943, Serial No. 501,149

4 Claims. (Cl. 260-648)

1. A monomeric polyfluorocyclobutene.
4. The process for obtaining a monomeric polyfluorocyclobutene which comprises dechlorinating a monomeric polychloropolyfluorocyclobutane.

2,436,143

PREPARATION OF FLUOROALKANES

Harvey H. Hoehn, Hockessin, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 16, 1946, Serial No. 683,973

14 Claims. (Cl. 260-653)

1. A process for the preparation of fluoroalkanes having at least two fluorine atoms attached to a terminal carbon atom, which comprises reacting a fluoroalkane, having at least one hydrogen atom and at least one fluorine atom attached to a terminal carbon atom adjacent to a carbon atom having at least one hydrogen atom attached thereto, with hydrogen fluoride in the presence of a higher oxide of a metal capable of existing in more than one positive valence state.

2,436,144

VINYL FLUOROACETATES AND POLYMERS DERIVED THEREFROM

Benjamin W. Howk, Wilmington, Del., and Ralph A. Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 20, 1944, Serial No. 527,340

3 Claims. (Cl. 260-87)

1. A vinyl trifluoroacetate polymer.

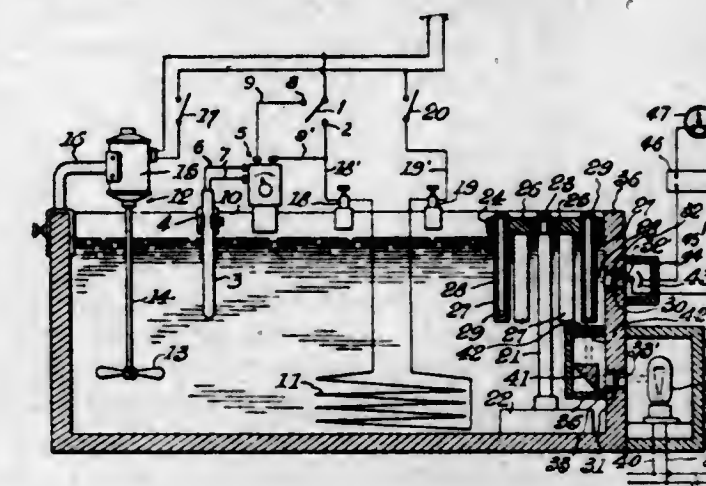
2,436,145

NEPHELOMETER FOR ASSAYING PENICILLIN

Frank H. Johnson, Princeton, N. J., assignor to the United States of America, as represented by the Secretary of War

Application November 23, 1943, Serial No. 511,461

2 Claims. (Cl. 88-14)



1. An apparatus for assaying the potency of bacteriostatic preparations comprising a water bath container, means including a heating coil and an agitator in the container for maintaining said bath at a constant temperature, a nephelometer associated with said container including a constant intensity light source and a photoelectric cell mounted within housings attached respectively to the upper and lower portions of the exterior of said container and communicating with the interior thereof respectively through upper and lower lens windows therein, a housing attached to the interior of said container opposite said light source housing and provided with a lens window and a prism placed intermediate said light source and said window and adapted to direct horizontal rays from said light source vertically within said water bath, a test tube support mounted within said container, the said test tube support including a disc rotatably mounted in the container and means enabling rotation of the disc through predetermined arcs, tubular

opaque light shields carried by the disc, test tube means containing specimens of the preparation to be assayed received in the shields, means on the shields for supporting the test tube means, each of the shields being provided with a light transmitting window at its lower extremity and a second window in its side wall, the window in the extremity of each of the light shields being brought into vertical alignment with the lens window of the external housing and the light window in the side wall of the light shield being brought simultaneously into alignment with the lens window of the photoelectric cell responsively to predetermined rotation of the disc whereby rays from said light source can pass through said windows of each light shield to effect energization of the photoelectric cell proportionate to the concentration of the preparation in the test tube means, and means in electrical connection with said cell for indicating the degree of energization thereof to determine the potency of said preparations.

2,436,146

COMPOSITION OF MATTER

Werner E. Kleinicke, Manhasset, N. Y., assignor to The Johnson-March Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 12, 1943, Serial No. 478,941

10 Claims. (Cl. 252-88)

1. A composition of matter in solid form comprising a solid, water-soluble deliquescent, crystallizable inorganic salt capable of lowering the freezing point of water, an organic hygroscopic, normally solid, non-deliquescent colloid, capable of forming a gel with water, in finely divide form, in admixture with the salt in minor proportion, and a water-soluble protective agent, capable of preventing degradation of the colloid by the salt, in minor proportion, the composition being characterized by the fact the water-soluble salt and the colloid retain their solid form and that the protective agent forms a film between the particles of the colloid and the salt effective to prevent degradation of the colloid by the salt.

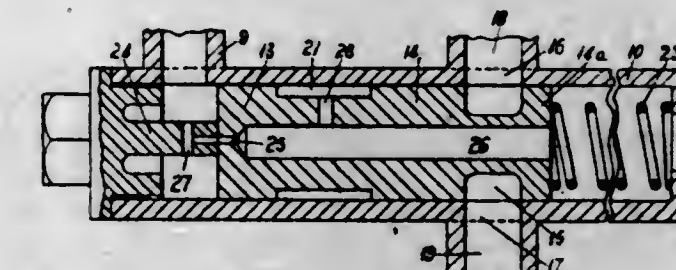
2,436,147

PRESSURE RESPONSIVE VALVE

Camille Clare Sprankling Le Clair, Acton, London, England

Original application September 30, 1942, Serial No. 460,320, now Patent No. 2,374,822, dated May 1, 1945. Divided and this application August 23, 1944, Serial No. 550,772. In Great Britain August 22, 1941

4 Claims. (Cl. 137-153)



1. A control valve for a liquid circulating system having means for preventing the aeration of liquid circulated in said system, comprising in combination a cylinder having a pressure end and a neutral end, a valve body disposed in said cylinder and having a piston at said pressure end and a valve part at said neutral end, inlet and outlet ports at said neutral end adapted to be covered by said valve part, a recess formed be-

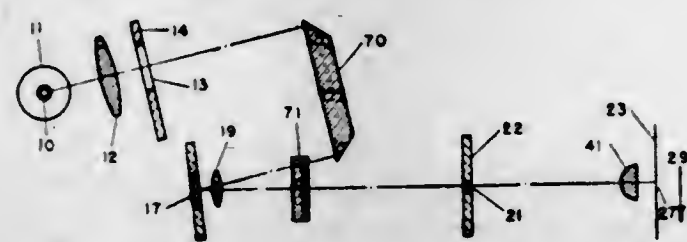
tween said piston and said valve part, a liquid outlet from said neutral end, and a port in said valve body connecting said recess with said neutral end and adapted to return liquid collected in said recess to said neutral end for the discharge therefrom through said outlet.

2,436,148

IMPULSE RECORDING OPTICAL SYSTEM

John A. Maurer, Jr., New York, N. Y., assignor to J. A. Maurer, Inc., Long Island City, N. Y., a corporation of New York

Application December 4, 1944, Serial No. 566,459, which is a division of application Serial No. 349,515, August 2, 1940. Divided and this application July 11, 1946, Serial No. 682,725
3 Claims. (Cl. 88-24)



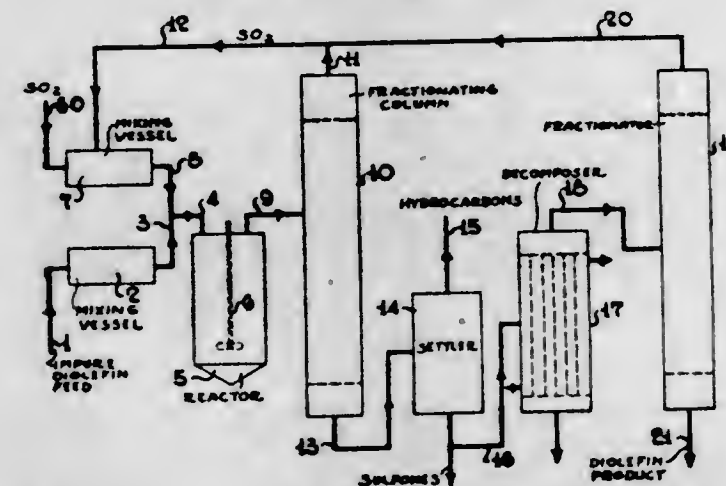
1. In an impulse recording optical system, the combination of light beam defining means which include means for forming a light spot of vertically graded light flux; a recording point past which a film may move in a substantially vertical direction; a mirror adapted to vibrate about a horizontal axis, said light beam being deflected by said mirror so as to have a part which is incident from said light spot upon said mirror, and a part which is reflected from said mirror towards said recording point; and a cylindrical lens placed between said light spot and said mirror and between said mirror and said recording point, said cylindrical lens having its cylinder axis vertical and being traversed by said incident and reflected parts: said light spot and said mirror being conjugate with respect to said cylindrical lens on said incident part, and said mirror and said recording point being conjugate with respect to said cylindrical lens on said reflected part.

2,436,149

EXTRACTION OF A DIOLEFIN

Nicholas Menshik, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 29, 1945, Serial No. 638,420
6 Claims. (Cl. 260-681.5)



1. The process of separating and concentrating a diolefin from a mixture of hydrocarbons containing a diolefin which comprises contacting a mixture of hydrocarbons containing the diolefin with an excess of sulfur dioxide to form a sul-

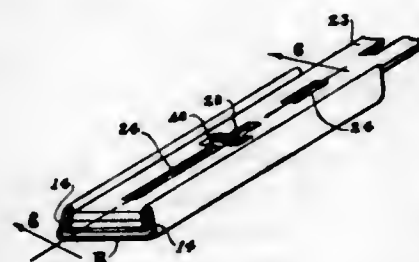
fone, heating the mixture of sulphur dioxide, hydrocarbons and sulfone to drive off the excess of sulfur dioxide, removing the residual mixture of sulfone and hydrocarbons to a settling zone and allowing said last mentioned mixture to settle and form two liquid layers at a lower temperature, separating the lower layer, heating the said separated lower layer to a decomposing temperature, and separately recovering sulfur dioxide and the diolefin.

2,436,150

INSIGNIA HOLDING DEVICE

Frederick W. Moehle, Attleboro, Mass., assignor to V. H. Blackinton & Co., Attleboro Falls, Mass., a corporation

Application March 1, 1945, Serial No. 580,441
6 Claims. (Cl. 40-1.5)



6. An insignia holding device comprising an insignia holding bar embodying side members, an insignia unit extending across the front surface of said bar and said side members and partly across the back surface of said bar, a retaining plate in association with said insignia unit and bearing against a portion of said insignia unit extending across the back surface of said bar, said retaining plate being between said side members and having a longitudinal slot therein, and a supporting base in association with said retaining plate and between said side members and having a longitudinal slot therein and slits therein extending laterally and in communication with said base slot, said retaining plate embodying two talons integral therewith and having bulging portions extending beyond the plane of an outside surface of said plate and bearing against said insignia unit and having protruding portions at the ends of said talons extending beyond the plane of an outside surface of said plate that is opposite to the first-mentioned outside surface, said protruding portions extending into said supporting base slits, said retaining plate having openings therein immediately beyond the end extremities of said talons which are in communication with said retaining plate longitudinal slot.

2,436,151

ALKYLATION OF AROMATIC HYDROCARBONS BY CONTACT WITH HEAT-STABLE METAL HALIDE CATALYSTS

Artie A. O'Kelly, Woodbury, N. J., and Robert H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application December 17, 1942, Serial No. 469,362

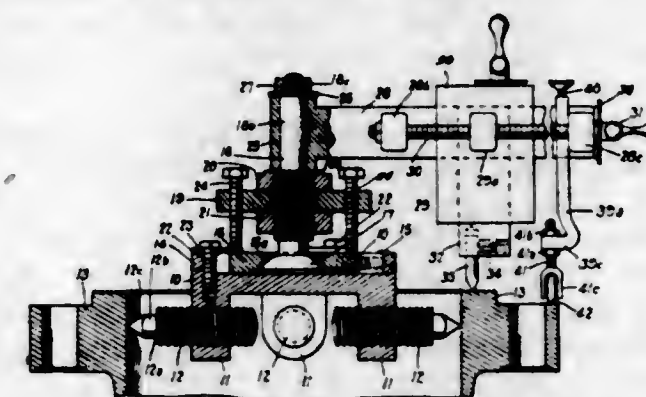
12 Claims. (Cl. 260-671)

1. A process for alkylating aromatic hydrocarbons to produce predominantly monoalkyl and dialkyl aromatics, which comprises contacting an aromatic hydrocarbon with an olefinic hydrocarbon at a reaction temperature not substantially below 550° F., in the presence of a catalyst which includes a metal halide stable at the reaction temperature and a halogenated hydrocarbon.

2,436,152

PORTABLE FLANGE SERRATING TOOL

Norvin W. Richards, Brilliant, Ohio
Application March 3, 1945, Serial No. 580,768
1 Claim. (Cl. 82-4)



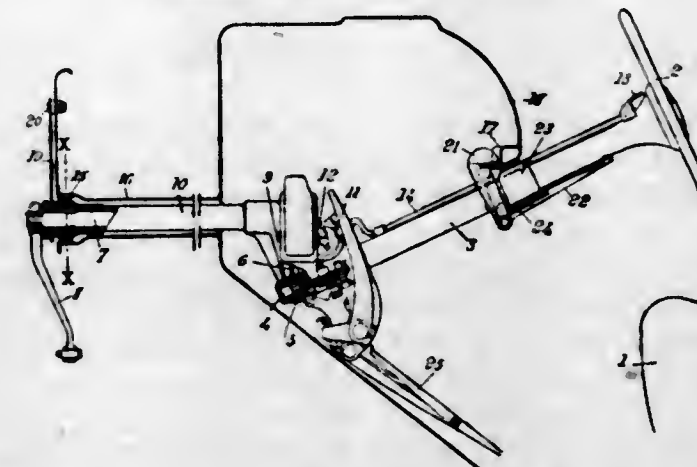
A flange cutting tool, comprising a base, a plurality of screws mounted for radial adjustment on the base and provided with tapered outer ends adapted to have clamping engagement with the bore wall of a member having a concentric flange, a socket plate disposed on the base, means for adjusting the socket plate with reference to the base, means for clamping the socket plate, a post having a head having a bearing between the socket plate and the base and adapted to be clamped with the socket plate to the base, screws mounted to turn on the post and arranged to engage the base for adjusting the axial relation of the post to the axis of the bore wall engaged by it, an arm arranged to bear against the post at one end and provided with a tool adapted to cut a concentric groove in the outer face of the engaged flange.

2,436,153

STEERING SYSTEM FOR VEHICLES

Roger Laurent Jean Baptiste Sanmori, Monaco, Monaco

Application February 28, 1946, Serial No. 650,856
In France September 19, 1945
4 Claims. (Cl. 280-87)

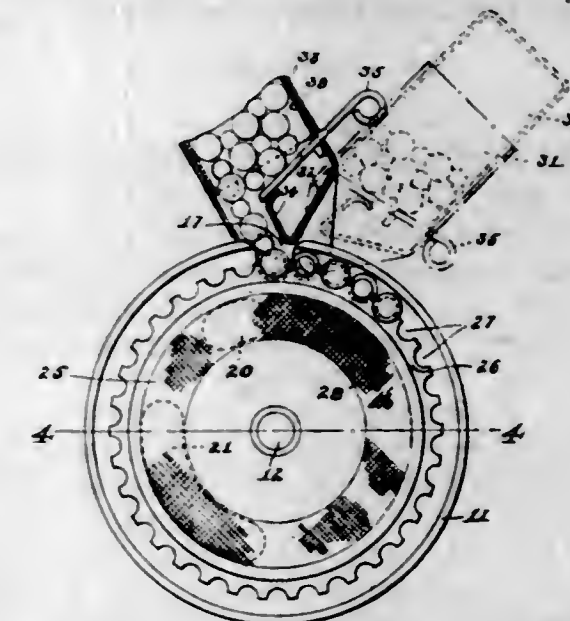


1. In an automobile vehicle, the combination of seating accommodations affording a plurality of different seating positions for the driver located along a line transverse to the longitudinal direction of the vehicle, a steering gear for said vehicle including a horizontal longitudinal shaft, a tube coaxially surrounding said shaft, said shaft being journaled in said tube, a steering column rigid with said tube making an oblique angle therewith, a steering shaft journaled in said steering column, a steering wheel fixed to the top of said steering shaft, gear means for operatively connecting said steering shaft and said horizontal shaft, and a vertical pivoting joint between the front end of said tube and the vehicle structure, whereby the whole of said tube and said column can pivot with respect to said vehicle structure about a vertical axis passing substantially about the front end of said tube and the steering wheel can be brought in front of any of said driver seating positions.

2,436,154

AMMUNITION DISPENSER

Alfred M. Signalness, North Bend, Oreg.
Application May 23, 1947, Serial No. 750,082
5 Claims. (Cl. 312-97.1)

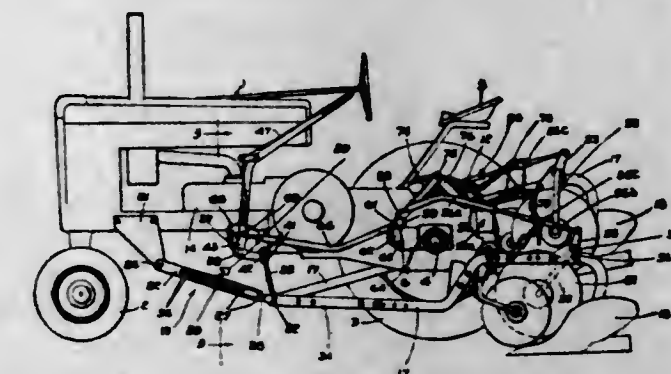


1. An ammunition dispenser comprising a casing having a cylindrical wall and spaced end walls, the cylindrical wall having an aperture for the introduction and removal of cartridges, a drum fitting between the end walls and of a diameter spacing its periphery from the cylindrical wall for the accommodation of cartridges and provided with spaced divisions for receiving separate cartridges, the end walls of the casing being provided with finger openings of unequal lengths through which the drum may be engaged for the purpose of rotating it, the longer slot serving to enable the drum to be rotated successively through a distance equal to a plurality of its spaced divisions for cartridge loading purposes and the shorter slot serving to permit the drum to be actuated single spaces to present successive cartridges in position for withdrawal.

2,436,155

POWER LIFT

Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 30, 1944, Serial No. 528,784
21 Claims. (Cl. 97-50)



1. An agricultural implement comprising the combination of supporting means, a tool beam, yieldable hitch means connecting the front end of said tool beam with the supporting means, a movable gauge wheel connected with the rear portion of said tool beam, and means connected with the supporting means and said tool beam for raising the hitch point of said tool beam and lowering said gauge wheel relative to said beam whenever said hitch means yields, as under an overload.

7. The combination of a tractor having a power lift unit including a part movable into and held in different positions, a longitudinally extending tool beam hitched to the tractor by means accommodating generally vertical movement of the tool beam relative thereto, mechanism actuated by

movement of said power lift part through a portion of its range of movement for raising both front and rear end portions of said tool beam, and mechanism actuated by movement of said part through another portion of its movement for raising only the rear part of said tool beam.

2,436,156 PREPARATION OF SHAPED OBJECTS, FILA- MENTS, AND THE LIKE

Robert William Upson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 19, 1943,
Serial No. 499,251

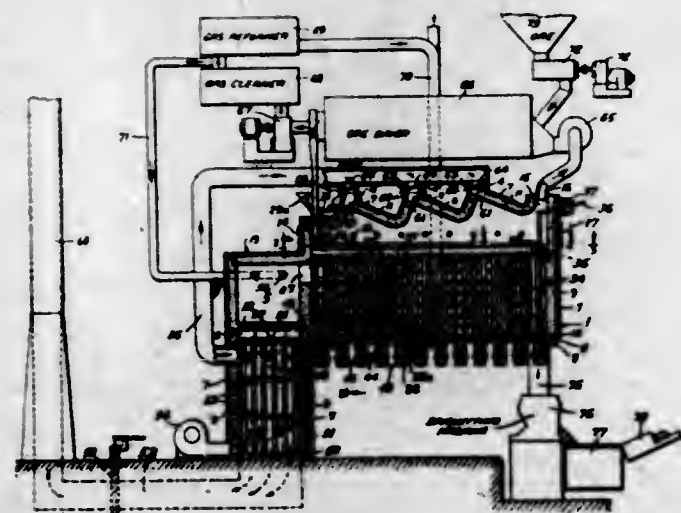
3 Claims. (Cl. 28—82)

3. A continuous filament consisting essentially of acid-coagulated hardened wool fiber having a dry tenacity of at least 1.0 g./d., a wet tenacity of at least 0.4 g./d., an elongation dry of about 10% and an elongation wet of about 20% said filament being prepared by the process which comprises dissolving in aqueous alkali a reduced wool having at least 50% of its disulfide linkages split by reduction, precipitating the reduced wool by acidification, dissolving the precipitated reduced wool in aqueous caustic alkali containing a water-soluble alkali metal salt of a polymeric carboxylic acid to form an aqueous solution, of viscosity of 12 to 60 poises, comprising 10 to 40% acid-insoluble, reduced wool, 0.25 to 5.0% caustic alkali and 1 to 5% of the water-soluble alkali metal salt of the polymeric carboxylic acid and spinning the solution into a coagulating bath.

2,436,157 METALLURGICAL PROCESS AND APPARATUS

Carl J. Westling, West Orange, N. J., assignor to Minerals and Metals Corporation, New York, N. Y., a corporation of Delaware
Application December 15, 1941, Serial No. 422,930

4 Claims. (Cl. 23—1)

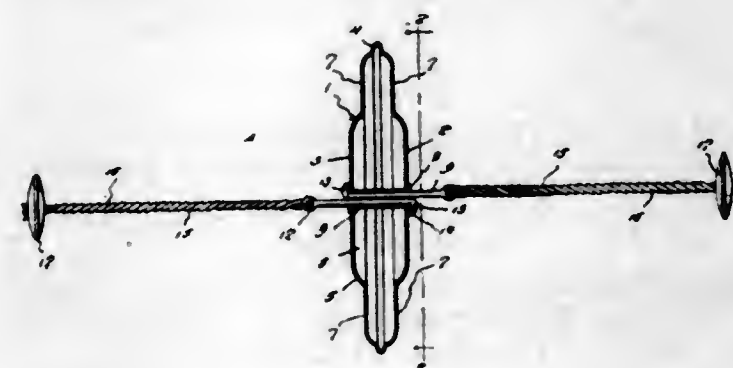


1. The method of treating finely-divided material, which comprises feeding a layer of the material upon a horizontally placed hearth provided with V-shaped troughs extending from the feed end to the discharge end of the hearth, so injecting a stream of fluidizing gas into and transversely of the bottom of the trough at spaced points along the length of the trough and into the layer from below the same that the interstices between the particles on the hearth are permeated by the gas and the particles in the layer are suspended therein and by so injecting the gas, causing said particles so suspended therein to describe a circular path beginning approximately at the bottom of the layer, progressing upwardly toward the top thereof, there divid-

ing into two streams moving oppositely in a direction transverse to the hearth, and then descending independently toward the gas stream for merging near the source of gas injection to repeat the cycle, and simultaneously causing the bed to progress longitudinally of the hearth, whereby the particles describe a generally double inverse helical movement.

4. In apparatus for treating finely divided material with heated gases, the combination of a chamber with a substantially horizontal hearth comprising a trough, gas inlet nozzles in the bottom of said trough, some of said nozzles being directed in one direction and others being directed in substantially the opposite direction, so as to direct the gas in generally opposite directions and then upwardly through the material in the trough, feeding means in one portion of said chamber and discharge means in another portion of said chamber, said hearth feeding means, and discharge means being so constructed that said finely divided material will flow through said chamber by gravity.

2,436,158
SPINNING TOY
Joseph Woroneski, Croydon, Pa.
Application May 24, 1946, Serial No. 671,998
4 Claims. (Cl. 46—62)

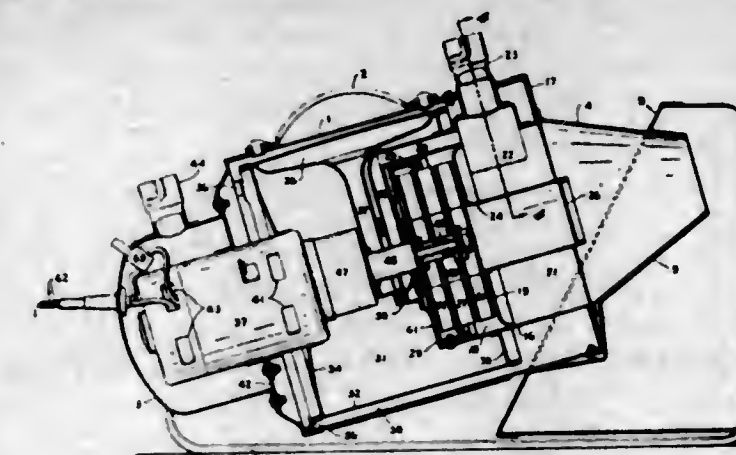


1. A spinning toy comprising a disc-like top, an opening through the center of said top, a split shaft passing through said opening and forming a pair of clutch elements for rotating said top, a plurality of strands connected to each of said clutch elements and extending on each side of said top, said clutch elements being constructed and arranged to engage the top for driving when the strands are tensioned and to release from the top when the strands are slackened and whereby the strands are adapted to be initially coiled and then uncoiled by applying tension thereto to cause the clutch elements to engage and spin said top.

2,436,159
SUCTION CLEANER
Louis K. Acheson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 26, 1943, Serial No. 484,512
5 Claims. (Cl. 183—57)

1. In a suction cleaner, an initial dirt separator of the vortical whirl type and including a converging conical discharge outlet at one end and having its major axis inclined at an acute angle to the horizontal, suction-creating means connected to said separator and including fans rotatable about said axis, a final dirt separator to receive air exhausted from said suction-creating means, a driving motor including a shaft extended through said final dirt separator and carrying said fans, means driven by said motor to remove dirt from said final dirt separator and

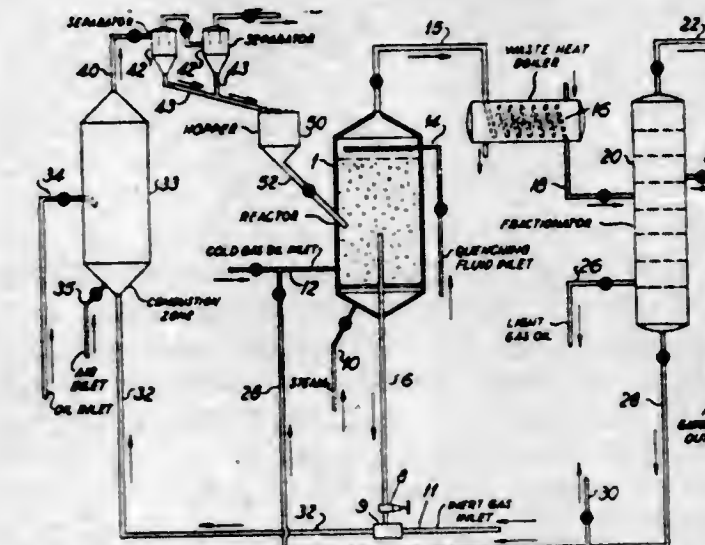
return it to said initial dirt separator, and a removable dirt container removably connected to



the outlet of and positioned in nested relationship to said initial dirt separator.

2,436,160 CRACKING OF HYDROCARBON OILS WITH FINELY DIVIDED HEAT RESISTANT NON- CATALYTIC MATERIAL

Forrest H. Blanding, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 10, 1943, Serial No. 513,671
3 Claims. (Cl. 196—55)

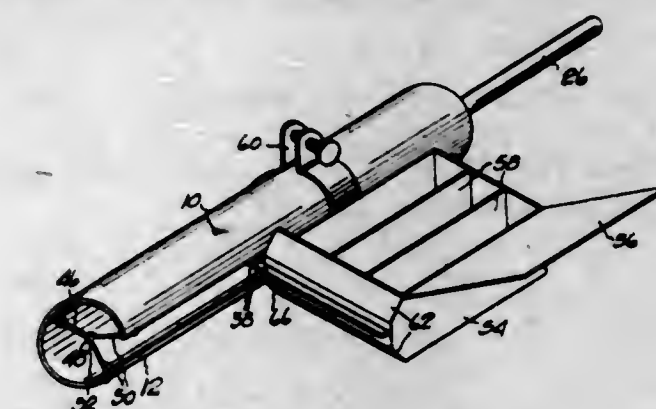


1. A continuous process for cracking hydrocarbon oils, which comprises providing a mass of finely divided, non-catalytic, heat resistant material in a reaction zone, maintaining said finely divided material in fluidized condition, injecting an oil to be cracked directly into said mass of fluidized material thereby causing cracking of said oil, the temperature in said reaction zone being within the range of 1200 to 2200° F., supplying a quenching material immediately above the fluidized mass to reduce the temperature of the products arising therefrom, continuously withdrawing finely divided material containing contaminants deposited thereon as a result of the cracking, conveying the finely divided material directly to a combustion zone, causing the contaminants on the finely divided material to be consumed by combustion in the combustion zone, withdrawing the finely divided material from the combustion zone and returning it directly and substantially uncooled to the reaction zone for effecting vaporization and cracking of further amounts of oil.

2,436,161
NAILING DEVICE
Paul L. Bridgroom, Letters Ford, Ind.
Application February 1, 1946, Serial No. 644,787
16 Claims. (Cl. 1—46)

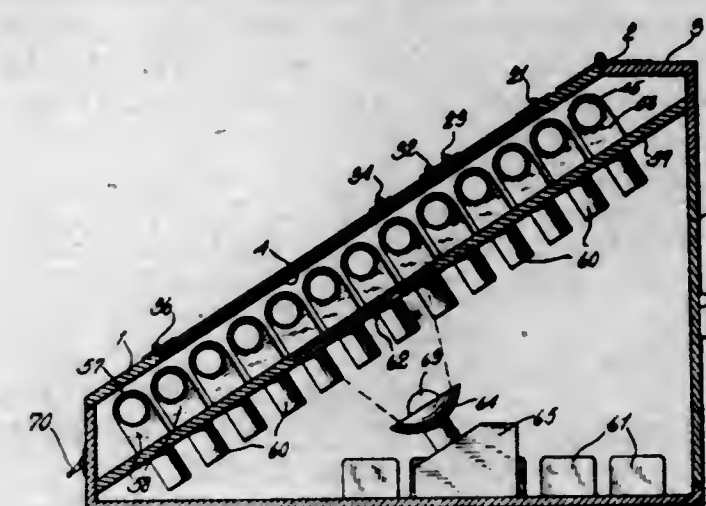
1. A nailing device comprising an elongated rigid frame, guide means carried by said frame, a

spring pressed ram slidable lengthwise of said frame and carried by said guide means, resilient means carried by the lower end of said ram for



holding the headed end of a nail, and resilient guide means adjacent to the lower end of said frame for holding the shank of a nail parallel to the axis of said ram.

2,436,162
X-RAY FILM VIEWER
Fernando J. Cadenas, Forest Hills, N. Y., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application February 16, 1944, Serial No. 522,677
5 Claims. (Cl. 40—132)



3. In a device of the character described, a light diffusing glass screen, a light source mounted adjacent one face of the screen, a variable area light mask adjacent the opposite face of the screen, said mask comprising a series of mask members of successively different size with successive members being hinged together whereby all the mask members can be opened as a unit or one or more can be independently opened to expose the screen in predetermined areas, one of said mask members being provided with lateral side sections joined by a yoke and hinged to the outer edge of said yoke, a second member being located within said one member and hinged to the inner edge of said yoke, and a third member also located within said one member and hinged at one edge independently of the first-mentioned member, all said members when in closed position forming a unitary opaque light mask.

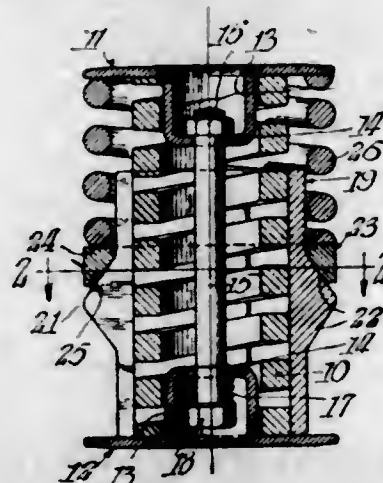
5. In an X-ray film viewer, a cabinet having a sloping front panel with a viewing screen therein, a platform mounted within the cabinet in spaced parallel relation with said screen, a plurality of tubular fluorescent lamps with cooperating contact sockets and lamp controls carried by said platform, said lamps being arranged in groups, a plurality of switches mounted on said cabinet for controlling said lamps, each switch being allotted to a particular group of lamps whereby said lamps can be lighted in desired combinations, said platform having a window provided with a light

transparent heat absorbent shield, and an incandescent spot lamp being mounted beneath said shield to illuminate said screen through said fluorescent lamps.

2,436,163

CUSHIONING DEVICE

Gust J. Christenson, Chicago, Ill.
Application February 25, 1944, Serial No. 523,951
3 Claims. (Cl. 267-9)

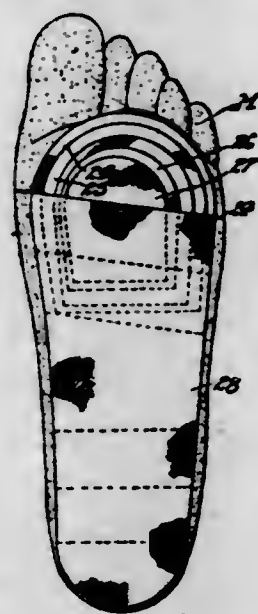


1. A cushioning device embodying therein a helical spring having an external friction surface, a follower plate for each end of said spring, a plurality of friction shoes arranged externally of said spring and each engaged at one end with one of said follower plates, each shoe having an internal friction surface for engagement with the external friction surface of said spring and each shoe having an external tapered surface, and a second spring bearing at one end against the other of said follower plates and at its other end exerting a pressure action upon said tapered surfaces of said shoes.

2,436,164

ORTHOPEDIC APPLIANCE AND METHOD OF MAKING THE SAME

Louis Diamond and Maurice R. Udell,
Chicago, Ill.
Application December 24, 1943, Serial No. 515,510
3 Claims. (Cl. 128-80)



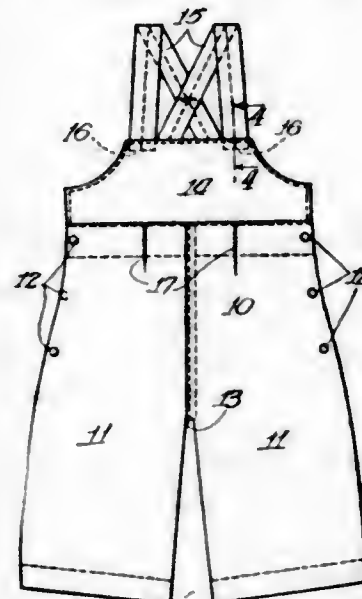
1. The method of constructing an orthopedic appliance, comprising the steps of casting a model of the foot, drawing a line on the model connecting the first and fifth metatarsal phalangeal joints, placing on the model a softened moist layer of fabricated cellulose acetate to cover the plantar surface of the model from the heel to a point under the web portion of the toes, drawing a line on said layer coincident to the normal hinge line which is spaced anteriorly from the model line a distance equal to the deviation of the pha-

langes from their longitudinal alignment with the metatarsal bones, placing moistened laminations on said layer extending posteriorly from said lines, and maintaining said layer and said laminations under pressure on said model until hardened to obtain rigidity of said layer from the heel to said line.

2,436,165

CHILD'S OUTER GARMENT

Leonard A. Forkish, New York, N. Y.
Application April 14, 1945, Serial No. 588,384
1 Claim. (Cl. 2-80)

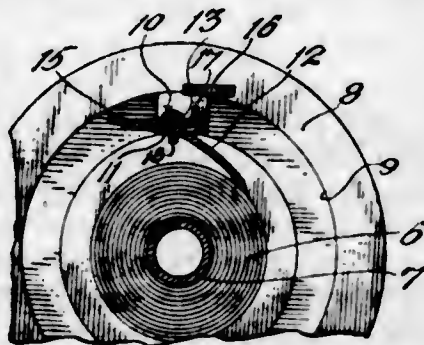


A child's outer garment comprising a lower body portion; a bib portion of double thickness at the top of the front of said body portion; shoulder straps attached to both of the upper outer corners of said bib portion and joined in cross relation intermediate their ends; a plurality of snap fastener members carried at the outer ends of said straps; a downward opening rear flap portion folding transversely at a line substantially level with the crotch; two plaits of triple thickness of material arranged in spaced relation at the top of said rear flap portion having snap fastener members secured thereto, arranged and adapted for detachably connecting said rear flap with said bib and for adjusting said garment to a wearer.

2,436,166

TAPE CUTTING ATTACHMENT FOR SPOOLS

Stephen Gaydos, Jr., Gary, Ind.
Application February 28, 1945, Serial No. 580,245
2 Claims. (Cl. 242-55.5)

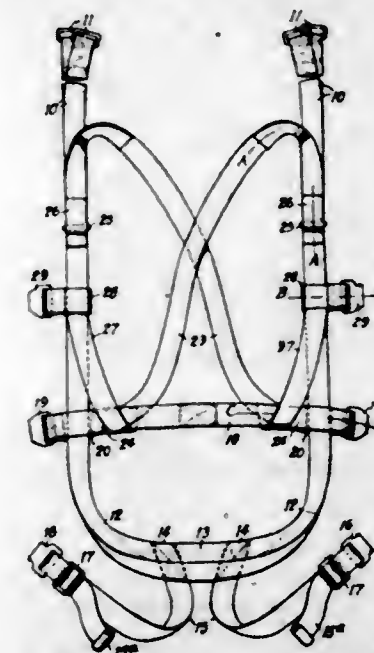


1. A tape cutter for tape spools and comprising a blade positioned between the flanges of the spool, said flanges having annular grooves in their opposed faces, runners adapted to travel in the grooves, a hinge pin connected to the runners, a blade pivoted at one edge on said pin, and a finger grip pivoted on the pin and having means thereon for engaging opposite sides of the blade to raise and lower the other edge thereof upon pivotal movement of said grip.

2,436,167

PARACHUTE HARNESS

James Gregory, Woking, England
Application September 16, 1946, Serial No. 697,283
In Great Britain October 18, 1945
4 Claims. (Cl. 244-151)

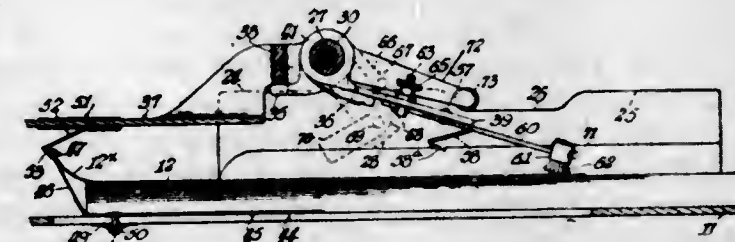


1. Parachute harness comprising lift webs, a seat member connected to the lower ends of said lift webs to form a sling seat, a belt, fastening means for said belt, cross braces extending over the shoulders of the wearer, and connections between said lift webs and said belt and cross braces respectively, said connections including sliding members adjustable up and down said lift webs.

2,436,168

SHEET FEEDING MECHANISM

Sherlie E. Gregory, Aurora, Ill.
Application December 29, 1945, Serial No. 638,257
14 Claims. (Cl. 271-42)



2. Sheet feeding mechanism embodying therein means for supporting a stack of paper sheets, a support arranged above said stack of sheets for reciprocating movement forwardly and rearwardly thereof, inclined means on said supporting means at the rear end of the stack, means movable with said support and operative in the rearward movement thereof to grip the top sheet of the stack and move it rearwardly and then release the same after the rear margin of said top sheet has engaged and ridden up said inclined means so as to be elevated above and extended beyond the rear end of the slack, and means movable with said support and operative in the forward movement thereof to engage said margin of the top sheet for feeding the same forwardly of the stack.

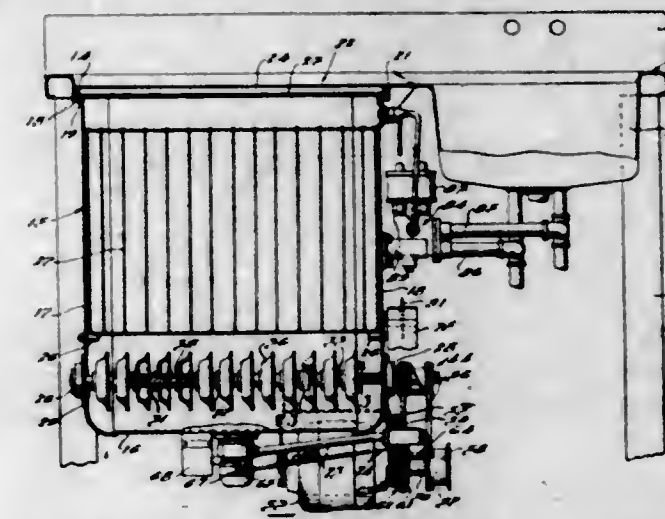
2,436,169

DISHWASHER

Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application August 29, 1941, Serial No. 408,855
3 Claims. (Cl. 299-63)

1. In a washing or spraying device, a reservoir for a liquid, a horizontally disposed shaft in said

reservoir, a plurality of spaced discs secured to said shaft in position to be partially immersed in a liquid when placed in said reservoir to centrifugally throw spaced sheets of liquid from the pe-

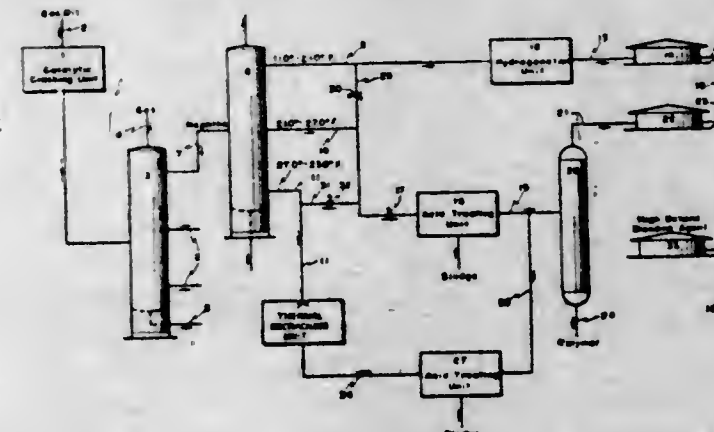


riphery thereof when the shaft is rotated, and means for moving said shaft axially for moving said sheets a distance substantially equal to the distance between said discs.

2,436,170

FINISHING OF AVIATION NAPHTHAS

Boyd N. Hill, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 29, 1946, Serial No. 644,152
4 Claims. (Cl. 196-40)



1. A method for processing the effluent from a hydrocarbon catalytic cracking operation which comprises dividing said effluent into at least two fractions, one of said fractions comprising at least a major portion of constituents boiling between about 110° F. and 210° F. to the exclusion of constituents boiling above about 270° F. and another of said fractions comprising at least a major portion of constituents boiling between about 270° F. and 330° F. to the exclusion of constituents boiling below about 210° F. and comprising paraffins and aromatics, subjecting the first named fraction to catalytic hydrogenation, subjecting the second named fraction to a refining procedure including thermal cracking to convert paraffins to olefins followed by treatment with concentrated sulfuric acid sufficient to remove said olefins without substantially reducing the aromatic content thereof, and recombining said fractions after their respective treatments.

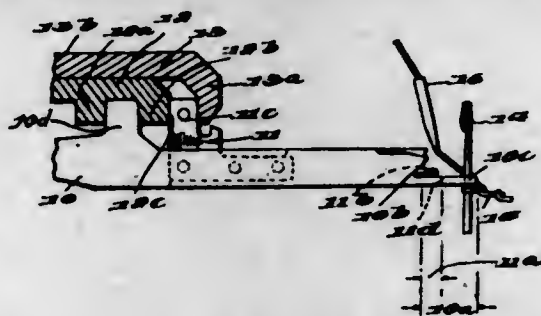
2,436,171

KNITTING MACHINE

Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application July 26, 1946, Serial No. 686,422
10 Claims. (Cl. 66-110)

1. A full fashioned knitting machine having a group of short nosed sinkers and a group of long

nosed dividers, and means for positioning said sinkers and dividers to align their yarn notches for measurement of a course of stitches, and for

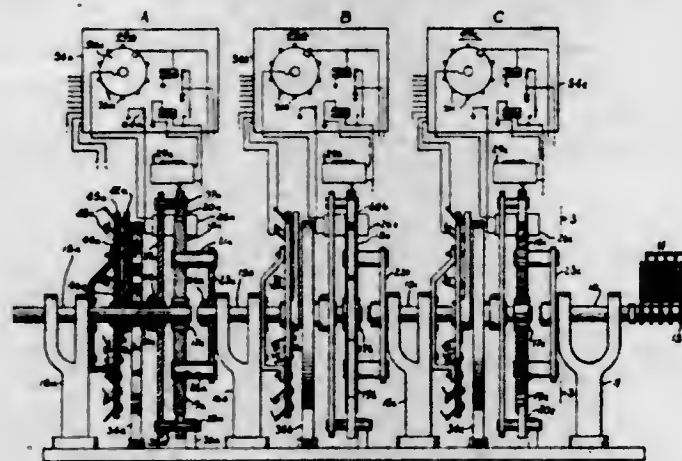


thereafter altering their relative positions to align their nose tips for simultaneous release of the sinker loops of said course to the fabric.

2,436,172

AUTOMATIC TUNING CONTROL FOR RADIO SYSTEMS AND THE LIKE

Raymond C. Kent, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application December 27, 1946, Serial No. 718,811
8 Claims. (Cl. 318-21)



3. An automatic shaft positioning system for radio control apparatus and the like, comprising a plurality of shaft positioning stages each including an automatic switch and an epicyclic train, the ring gear of each train having a ratchet toothed periphery, a stepping magnet for each ring gear and having a member for cooperating with the ratchet teeth thereof, means connecting the ring gear of each stage with the rotatable wiper of the associated automatic switch for rotation as a unit therewith, an operating circuit for each stepping magnet, and circuit means effective when each switch reaches a predetermined selected position for opening the circuit of the associated stepping magnet.

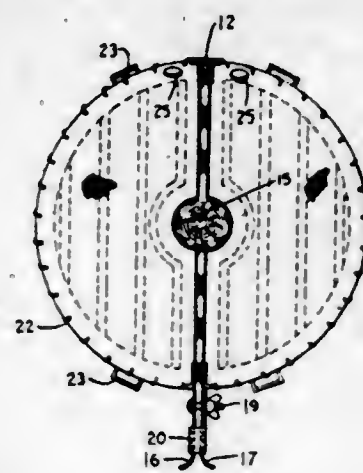
2,436,173

FRUIT GATHERER

John Knapp, Holland, Mich.
Application December 12, 1945, Serial No. 634,511
4 Claims. (Cl. 56-329)

1. A fruit gathering pan consisting of two semi-circular halves hinged together at one end of a diametrical line and having locking means at the opposite end, each half having a straight side wall with a central bulge along said diametrical line, an arcuate side wall joining said straight side wall, both sides tapering down to a flat bottom forming a unit therewith, each half having an opening in the side wall for emptying and a sliding door therefor, said locking means consisting of a hasp with two spaced leaves adapted to grip corresponding end projections on said straight side wall to hold them together and a hinge bolt with a lock nut for said hasp on one of said projections, said pan being

made of sheet metal with reinforcing strips underneath the bottom, and a canvas cover over the entire bottom and sides of each half, the

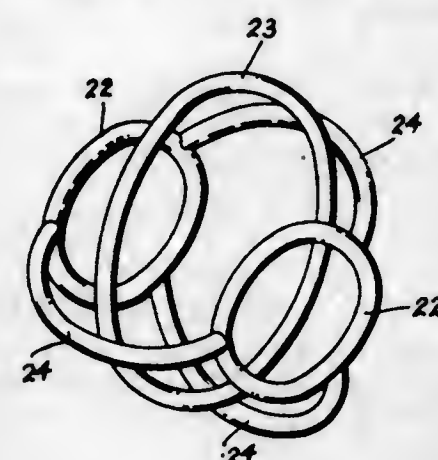


side edges of each pan being provided with a series of apertures adapted for lacing to secure said canvas cover.

2,436,174

GAME PROJECTILE

Mahlon C. Myers, Takoma Park, Md.
Application December 21, 1943, Serial No. 515,137
1 Claim. (Cl. 273-106)

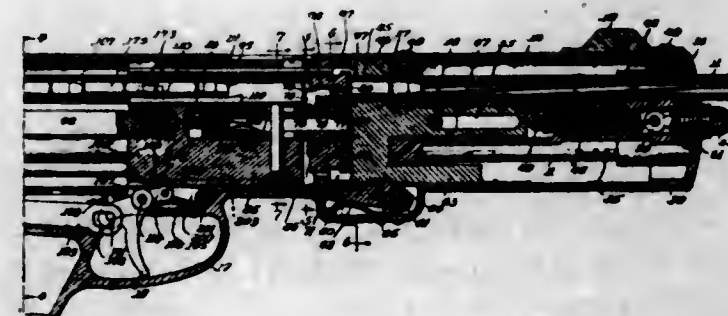


A game projectile comprising two relatively spaced rings of similar contour, a third larger ring positioned intermediate of said first mentioned rings centrally thereof, arcuate spaced members connected at their ends to said rings and at their center to said third ring to connect said rings in parallel relation to each other, and said rings and said members are made of flexible tubing and chains are positioned in said rings and said members and are connected at their meeting points to form a unitary assembly.

2,436,175

AUTOMATIC FIREARM

Ernest C. Neal, Chicago, Ill., assignor, by mesne assignments, to himself and Elmer Brandell, Chicago, Ill.
Application May 23, 1942, Serial No. 444,227
17 Claims. (Cl. 89-125)



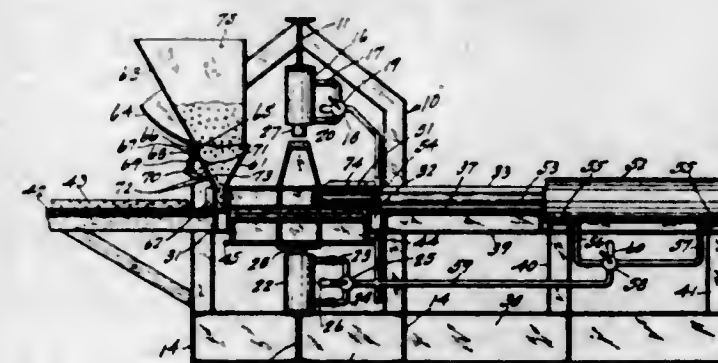
14. A firearm comprising a barrel, a magazine tube in position to deliver cartridges in succession to a delivery station in alignment with said barrel, means reciprocable between said station and

said barrel for transferring a cartridge from the station and loading it in the barrel, said means comprising a member having a cartridge transfer opening in alignment with said barrel to permit delivery of the cartridge therethrough in loading the barrel, said member having a firing pin offset from said opening and being shiftable to align the firing pin with a cartridge in the barrel, and trigger means actuating the firing pin to detonate the cartridge.

2,436,176

MACHINE FOR MOLDING CONCRETE SLABS

Joseph Novello, San Francisco, Calif.
Application June 7, 1946, Serial No. 675,238
6 Claims. (Cl. 25-42)



1. A machine for forming slabs and panels from a relatively dry, binder-containing aggregate comprising; a horizontally mounted slide and guiding and driving means therefor and manual control means for said driving means; a hopper for aggregates mounted on the forward end of said slide; a frame having its top surface in a plane with the bottom surface of the slide and forming a supporting surface for the slide; a bed vertically slidable in said frame and movable to three positions respectively with the top surface in the same plane as the top of the frame and in two different lowered positions to form recesses of two different depths within the frame; means operable at will for immovably securing said slide against the top of said frame, and means operable at will for forcing said bed upward against the resistance of said slide to compress aggregates therebetween to compress and bind the aggregates into a panel or slab; said hopper comprising an apportioning hopper; a feed hopper having a gate, and cooperative means on said apportioning hopper and said gate for opening said gate when said slide is moved forwardly to the limit of its movement and to close said gate upon return movement of the slide, and means limiting opening and closing of said gate to the last movement of one cycle and the initial movement of the next cycle of operations of said slide.

2,436,177

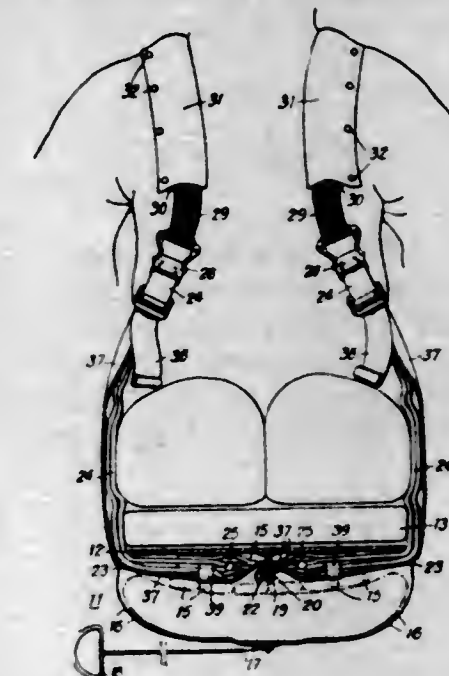
PARACHUTE PACK

John Raymond Cuthbert Quilter,
Woking, England

Application September 6, 1946, Serial No. 695,132
In Great Britain October 19, 1945
6 Claims. (Cl. 244-148)

1. A parachute pack enclosing a parachute, shroud lines and lift webs, said lift webs extending out from the pack for attachment of their extremities to a harness, in combination with means for adjusting said lift webs after attachment to the harness, said adjusting means comprising flexible members extending out from the pack beside the respective lift webs, releasable means for locking together the ends of said flexi-

ble members inside the pack, and adjustable means for connecting the external ends of said

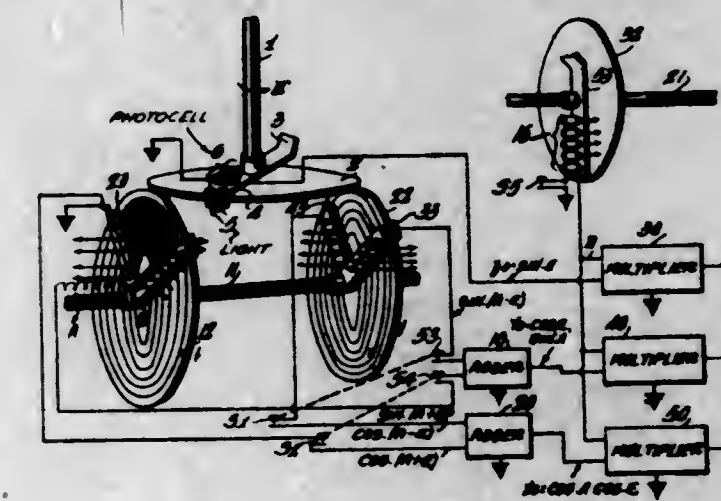


flexible members to the extremities of the lift webs attached to the harness.

2,436,178

ELECTRONIC COMPUTER FOR TRANSFORMING POLAR INTO RECTILINEAR COORDINATES

Jan A. Rajchman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 21, 1943, Serial No. 507,127
4 Claims. (Cl. 235-61.5)



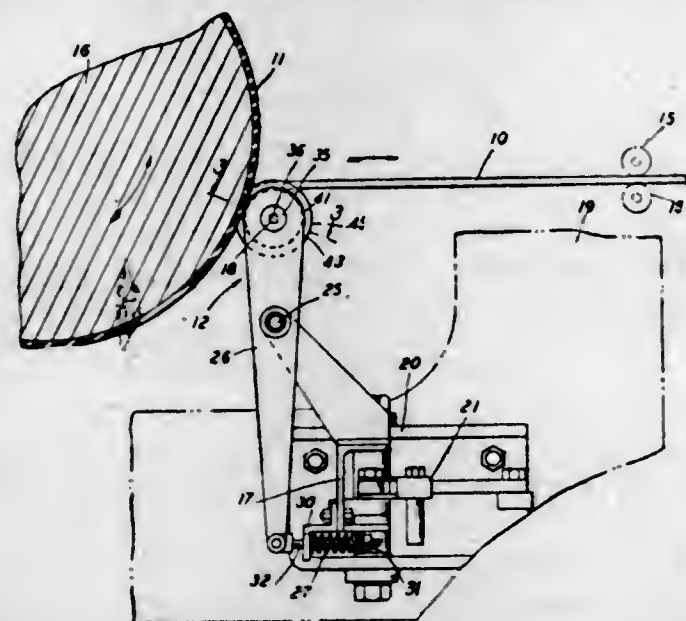
1. A computer for translating the values of the polar coordinates of a point in space into voltages representative of the rectangular coordinates of said point which includes a first supporting means, a second supporting means, at least one fiducial scale representative of a predetermined function of an angular polar coordinate of said point on each of said supporting means, cooperative masking means respectively including a slit disposed in operable relation to said scales of both of said supporting means, means for displacing said first supporting means an amount representative of a first angular polar coordinate of said point, means for displacing said second supporting means an equal amount in the opposite sense, means for displacing said masking means an amount representative of a second angular polar coordinate of said point, first separate voltage generating means responsive to the exposed fiducial marks of each fiducial scale on said first supporting means, second separate voltage generating means responsive to the exposed fiducial marks of each fiducial scale on said second supporting means, means responsive to said generated voltages for deriving potentials representative of the digits of the value of a pre-

determined function of the sum and difference of said angles, means for deriving voltages representative of the digits of the value of the distance polar coordinate of said point, and means for deriving the product of said distance and said predetermined function of said combined angles.

2,436,179

APPARATUS FOR CUTTING MATERIAL

Vincent A. Rayburn, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 12, 1946, Serial No. 647,150
13 Claims. (Cl. 164—61)

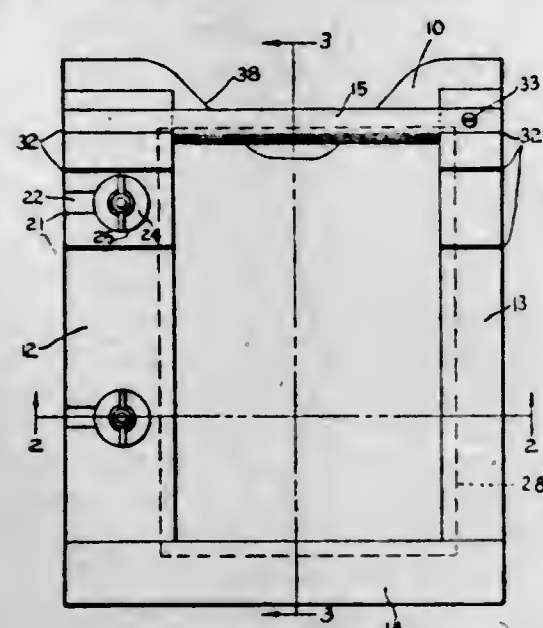


1. In an apparatus for cutting material including an abutment for supporting a sheet of material and means for advancing a strip of material cut from a sheet of material supported by the abutment, a cutting device comprising a pair of spaced cutting elements, means for pressing the cutting elements individually toward the abutment, and a roll positioned between the cutting elements and movable with the cutting elements toward the abutment.

2,436,180

PHOTOGRAPHIC EXPOSURE FRAME

Morris L. Reaney, Vancouver, Wash.
Application March 19, 1946, Serial No. 655,424
5 Claims. (Cl. 88—24)



1. A photographic exposure frame comprising a base plate, a rectangular frame of a plurality of side members mounted on said base plate and including at least one adjustable side member, a plurality of the side members of said frame including said adjustable member being undercut to form with said base plate slots for receiving

the edges of the photographic paper, and means arranged between said base plate and said adjustable side member for guiding the movement of the adjustable side member of said frame and maintaining said adjustable side member in parallel relationship with the opposite side of said frame.

2,436,181

REGENERATED CELLULOSIC PELLICLE

Charles M. Rosser, Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 29, 1945, Serial No. 619,419
2 Claims. (Cl. 117—136)

1. As an article of manufacture, a regenerated cellulosic pellicle impregnated with an aqueous solution comprising guanidine thiocyanate, said solution being present in a sufficient amount to plasticize said material and render it fire retardant.

2,436,182

PHOSPHORESCENT RESIN COMPOSITION

Gilbert T. Schmidling, New York, N. Y.
Application November 26, 1941, Serial No. 420,534
12 Claims. (Cl. 252—301.3)

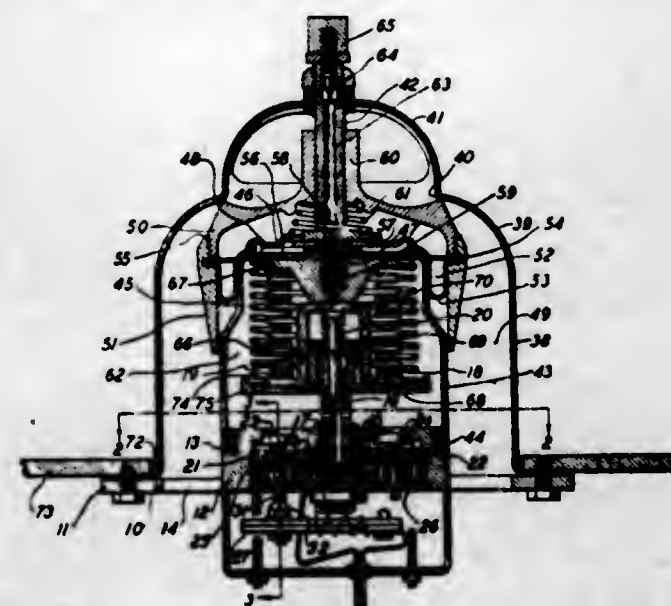


9. A phosphorescent device comprising a resin of the methacrylic type carrying about ten percent of strontium sulphide, about three percent of a stabilizer selected from the group consisting of aluminum stearate, calcium borate, aluminum borate and glycerol monostearate, about five percent of a plasticizer selected from the group consisting of dibutyl phthalate and tri-cresyl phosphate, and also carrying a blue-green dye.

2,436,183

CABIN PRESSURE REGULATOR

Frank E. Snedecor, Los Angeles, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application June 25, 1946, Serial No. 679,179
12 Claims. (Cl. 98—1.5)



1. In a pressure regulator of the character described, the combination of: a supporting member having an inner wall with a pressure differential valve passage therethrough, and an outer wall; an outer shell extending from said outer wall and defining an air valve port; an inner shell

extending from said inner wall so as to form within said outer wall a passage communicating with said port; a valve closure for said port movably supported on and in sealed relation to said inner shell so as to form a control chamber, air pressure in which tends to move said closure toward said port; an air inlet bleed tube supported by said outer shell and extending through said closure, the inner end of said tube communicating with said control chamber; means forming an outlet bleed passage extending from said control chamber through said inner wall; means responsive to pressure in said control chamber for controlling the flow of air through said outlet bleed passage to change the pressure in said control chamber; a differential valve closure for said pressure differential valve passage having its inwardly presented face exposed to the pressure in said control chamber; spring means urging said differential valve closure toward its closed position; holding means active to hold said differential valve closure in closed position with a force greater than that which is exerted by said spring means; and means for rendering said holding means inactive.

2,436,184

PHARMACEUTICAL JELLY

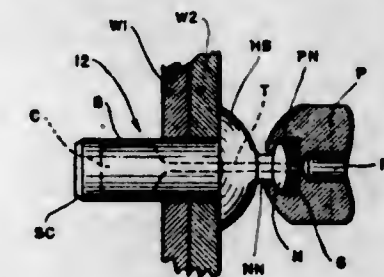
William B. Stillman and Albert B. Scott, Norwich, N. Y., assignors to Eaton Laboratories, Inc., Norwich, N. Y., a corporation of New York
No Drawing. Application November 8, 1945, Serial No. 627,546
8 Claims. (Cl. 167—58)

1. A jelly having a vegetable gum base and containing a small percentage of a phenyl-mercurial salt, and a buffer system consisting of borax and at least one material of the group consisting of water-soluble polyhydroxy compounds with two OH groups in cis relation on adjacent carbon atoms and mixtures of such compounds, the ratio between the amount of borax and the amount of said polyhydroxy material being such that the buffer system has a pH between 7 and 8, and at least a part of said material serving as a plasticizer for the vegetable gum.

2,436,185

EXPANDABLE RIVET

Carel T. Torressen, Santa Monica, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application December 14, 1942, Serial No. 468,937
10 Claims. (Cl. 85—40)



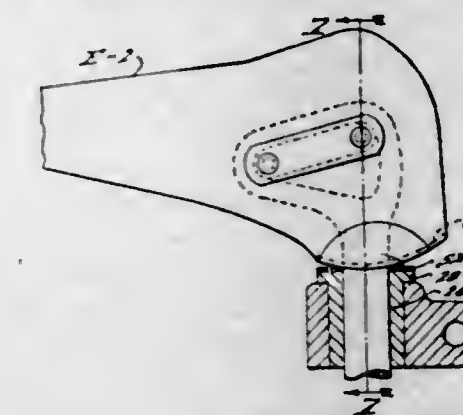
1. An hydraulically expandable rivet of integral construction comprising: a head portion; a shank portion; said shank portion having an enlarged cavity within its end remote from said head portion; open uninterrupted communicating means of relatively smaller diameter than said cavity extending through the intermediate portion of said shank from the surface of said head portion to said cavity; and a mouth portion integrally formed at the junction of said head portion and communicating means adapted for the admission of externally applied fluid pressure

to said cavity through said communicating means for the expansion of said shank end portion adjacent said cavity while the diameter of said intermediate shank portion remains substantially unchanged.

2,436,186

TRANSMISSION CONTROL MECHANISM

Jay C. Auten, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application April 4, 1945, Serial No. 586,498. Divided and this application February 21, 1946, Serial No. 649,197
8 Claims. (Cl. 74—484)

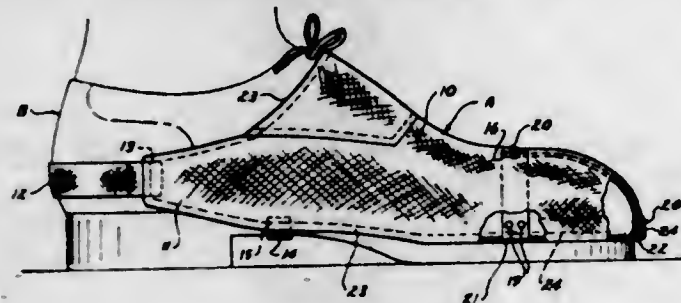


1. In a steering column mounted control mechanism for selectively operating speed ratio controls of a motor vehicle transmission, a main rotatable and reciprocatory control rod having its axis extending generally longitudinally of the steering column and adapted for operative connection with the transmission, said rod having its upper end provided with a lever portion rigidly connected to said rod and offset laterally therefrom, a shift lever having an outer end portion adapted to be grasped by the vehicle driver and a hollow inner end portion within which said offset lever portion is disposed thereby housing said lever portion within said hollow end portion and providing an operative connection between said shift lever and said offset lever portion such that rotary shifting movements of said shift lever about said rod axis cause said rod to rotate about said axis with said shift lever, said hollow end portion of the shift lever having an opening through which said rod extends, means for mounting said rod on said steering column comprising a bushing fixed relative to the steering column and having a flange formed of sintered powdered metal having a lubricant content forming an annular fulcrum surface surrounding said rod adjacent said lever opening, means connecting the upper end of said rod with said shift lever for transmitting vertical swinging movements of said shift lever to said rod so as to move said rod in the direction of its axis and for guiding said shift lever for rotational shift about said rod axis during said rotary shifting movements of said shift lever, said shift lever having a pair of rockers rigidly carried thereby in lever-fulcrum engagement with said annular surface, said rockers extending generally longitudinally of said shift lever along and adjacent opposite sides of said rod and each rocker having at least a portion thereof arced about an axis extending in a direction transverse to said rod axis, said mounting and connecting means cooperating with said rockers such that when said shift lever is rotatably shifted about said rod axis the said rockers rotatably wipe said annular friction surface and such that when said shift lever is swung vertically upwardly said rockers slidably wipe said annular friction surface and fulcrum said shift lever for effecting lift of said rod.

2,436,187

SHOE PROTECTOR

Leonard A. Bestland, Minneapolis, Minn.
Application July 8, 1946, Serial No. 681,989
1 Claim. (Cl. 36-72)

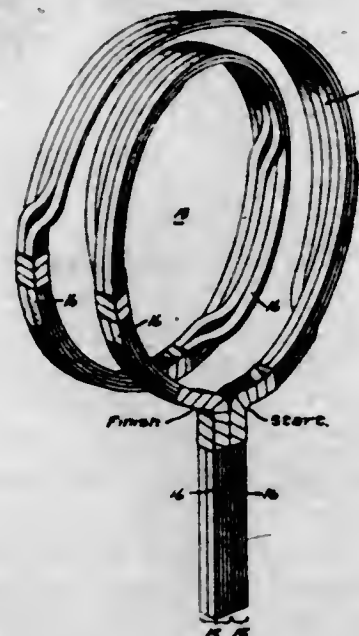


A shoe protector of the character described, comprising a flexible cover member shaped to fit downwardly over the forward part of a shoe and having tab portions extending rearwardly along the sides of the shoe, an elastic heel strap connecting said tab portions and extending around the heel of the shoe, an elastic cross strap connected to the cover member and extending across the sole of the shoe forwardly of the heel thereof, a T-shaped clasp of spring material having an arched cross spring fitting across and over the shoe toe and a forwardly and downwardly extending spring fitting down over the front of the shoe toe, said springs all having hooks at their ends for engaging the edges of the shoe toe, and the said springs having apertures by which the clasp member is sewed inside the forward part of the cover member.

2,436,188

ELECTRIC WINDING

Wilfred J. Bilodeau, Windsor, Mass., assignor to General Electric Company, a corporation of New York
Application October 12, 1945, Serial No. 621,915
3 Claims. (Cl. 175-362)

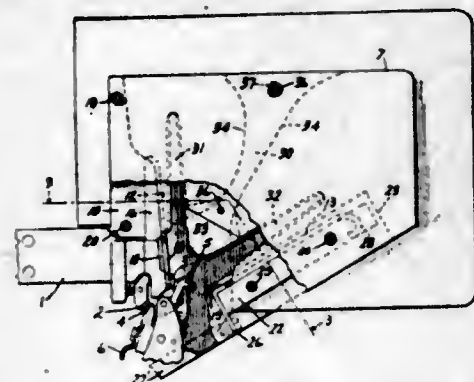


3. In a current transformer for high voltage circuits, a pair of high voltage terminals, a circular whole numbered turn insulated primary winding having closely adjacent parallel leads extending respectively from said terminals to the start and finish of said winding, a conductive potential grading shield surrounding said leads, an electrical connection between said shield and one of said leads, said winding having at least one conductor consisting of at least two strands, said strands being transposed at different circumferential locations so that they are all axially offset in the same direction at one turn and even multiples thereof from the start and finish of said winding whereby said start and finish have minimum separation.

2,436,189

ARC EXTINGUISHING DEVICE

Eugene W. Boehne, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application September 17, 1945, Serial No. 616,905
10 Claims. (Cl. 200-147)

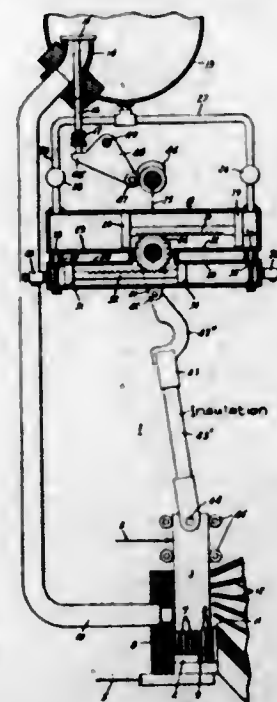


1. In an arc extinguishing device for a circuit breaker having relatively movable cooperating arcing contacts, three spaced plates of insulating material forming two compartments, insulating means dividing one of said compartments into two parts, an arc runner of electric current conducting material in each of said two parts, said device being adapted to be mounted with the bases of said arc runners adjacent the circuit breaker contacts for receiving an arc formed between the contacts upon separation thereof, the intermediate one of said plates being provided with an elongated opening above each of said arc runners whereby an arc formed upon separation of the circuit breaker contacts can extend from the arc runner in one part of said one compartment into and through the other compartment and onto the arc runner in the other part of said one compartment.

2,436,190

ELECTRIC CIRCUIT BREAKER

Alexander C. Boisseau and Ralph E. Bold, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York
Application November 7, 1944, Serial No. 562,296
8 Claims. (Cl. 200-82)



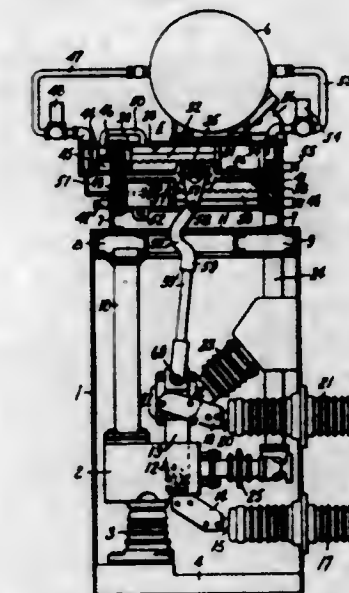
1. In combination with an electric circuit breaker comprising a pair of relatively movable contacts, an operating mechanism for producing relative movement of said contacts comprising a force applying member adapted to have a substantially rectilinear motion, a rotatable shaft, means for translating the rectilinear motion of said force applying member into rotary motion of said shaft, and means for translating said rotary motion of said shaft into substantially

rectilinear motion of one of said contacts, said rotary motion of said shaft extending through an angular travel of more than 180 degrees, said translating means comprising a toggle which at each limiting position of said shaft is in an over-center position for holding said one of said relatively movable contacts in the open and the closed positions respectively.

2,436,191

ELECTRIC CIRCUIT BREAKER

Julius W. Timmerman, Jr., Springfield, Pa., assignor to General Electric Company, a corporation of New York
Application November 7, 1944, Serial No. 562,297
8 Claims. (Cl. 200-82)



1. In an electric circuit interrupter comprising a pair of relatively movable contacts, a first fluid operated motor including a cylinder and piston for producing relative movement of said contacts, an auxiliary fluid motor including a piston arranged initially to apply a mechanical force to said first fluid motor to cause relative separation of said contacts, means for introducing fluid under pressure only to said auxiliary fluid motor with reference to said above mentioned fluid motors to cause movement of both of said pistons and relative separation of said contacts, means including a cylinder for opposing the operation of said first fluid-operated motor during only the initial and final portions of the circuit interrupting operation, means for supplying fluid under pressure to said last mentioned cylinder prior to the introduction of fluid under pressure to said first fluid motor, and means responsive to movement of said piston of said auxiliary fluid motor for causing fluid under pressure to be introduced into said first fluid operated motor after a predetermined movement of both of said pistons.

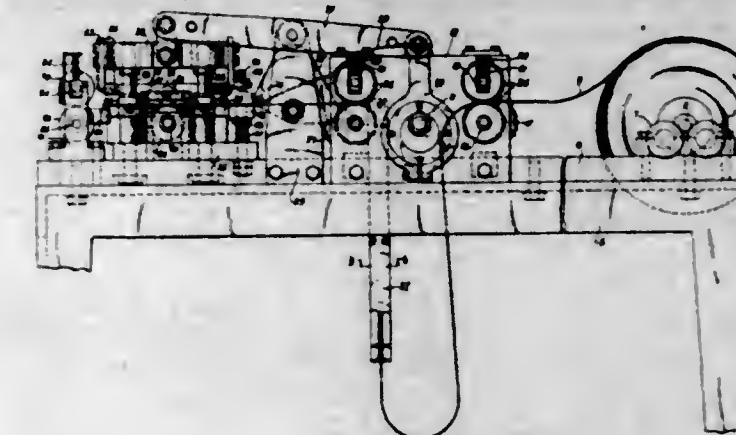
2,436,192

CARD CUTTING MACHINE

Karl J. Braun, Merrick, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 5, 1945, Serial No. 571,458
10 Claims. (Cl. 164-49)

1. In a cutting machine for severing predetermined lengths from a continuous strip of material, a cutting mechanism, means to continuously feed said strip toward said mechanism, means to operate said mechanism to periodically stop the continuous feed of said strip therethrough while said feeding means continues to operate, and to sever said strip while it is stopped, means controlled by and, in turn, controlling the temporary excess of material formed in said strip between

said feeding means and cutting mechanism by the stopping of the strip while being severed, to feed said excess into said mechanism following



the severing operation, and means to discharge the severed portion of said strip from said mechanism in advance of the feed of said excess thereinto.

2,436,193

LID OPENER FOR CONTAINERS

John Winnington Bristow, Birmingham, England, assignor of one-half to Arthur Bertram Cole, Junior, Beckenham, England
Application March 26, 1946, Serial No. 657,127
In Great Britain February 3, 1945
6 Claims. (Cl. 220-43)



1. Hollow container comprising a cylindrical body portion having an open end, an inwardly projecting flange formed on said body portion at said open end, a circular flanged lid adapted to fit into said open end so as to make tight contact with said flange, a beading formed on said body portion round the open end thereof, an annular member rotatably mounted on said beading, said annular member also having an inwardly projecting flange disposed between the flanges formed on said lid and said body portion respectively, when said lid is in the closed position, a set of downwardly extending projections on the flange of said lid, and a set of upstanding projections on the inwardly projecting flange of said annular member disposed intermediate the projections on the flange of said lid, whereby rotation of said annular member causes said upstanding projections to slide under said downwardly extending projections so as to cause said lid to be pushed upwards.

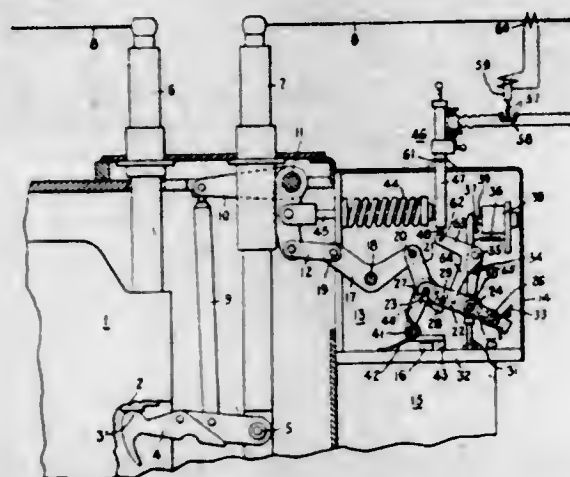
2,436,194

CIRCUIT BREAKER OPERATING MEANS

Ralph R. Bush, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application August 30, 1945, Serial No. 613,505
5 Claims. (Cl. 200-82)

1. In an operating mechanism for an electric circuit breaker, a force transmitting linkage, motive means for actuating said breaker to the closed position through said linkage, energy storage means for opening said circuit breaker adapted to be charged by said motive means during the closing operation of said circuit breaker, means for latching said circuit breaker in the closed position and for holding said energy storage means in the charged condition, means for releasing said latching means to permit said energy storage means to open said circuit breaker,

a supplemental opening means for releasing said latching means and then exerting an opening effect directly through said linkage, and means responsive to an abnormal current condition on



the circuit associated with said circuit breaker for actuating said supplemental opening means to cause high speed release of said latching means and opening of said circuit breaker.

2,436,195 PRODUCTION OF 7-DEHYDRO-CHOLESTEROL

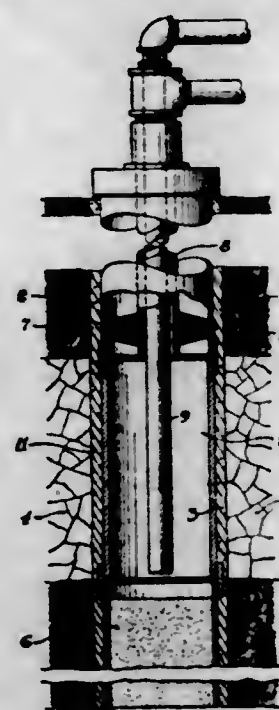
James Allan Callan, North Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 24, 1945.
Serial No. 574,446

8 Claims. (Cl. 260—397.2)

1. The process of converting an isolated mass consisting essentially of a compound selected from the group consisting of isodehydro-cholesterol and its esters into provitamin material, which comprises heating said mass at a temperature between 150° and 300° C. to produce the corresponding 7-dehydro-cholesterol compound.

2,436,196 CHEMICAL REMOVAL OF AN ACID-SOLUBLE METAL PART IN A DEEP WELL

Paul H. Cardwell and Louis H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application August 6, 1945, Serial No. 609,252
4 Claims. (Cl. 252—8.55)

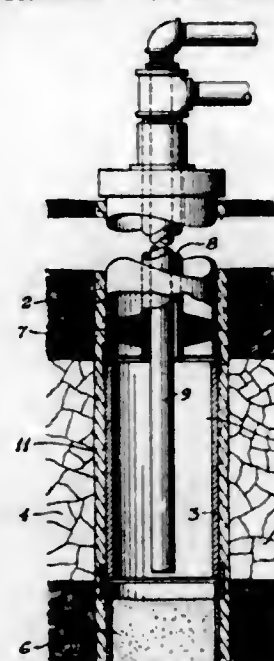


4. The method of removing from a well a metal part formed of aluminum and its alloys which comprises subjecting the part to the dissolving action of an aqueous solution containing from about 15 to 35 per cent of HCl, about 0.25 to 3

per cent of an aliphatic carboxylic acid selected from the group consisting of lactic acid, oxalic acid and tartaric acid, an inhibitor of the action of the hydrochloric acid on ferrous metal.

2,436,197 CHEMICAL REMOVAL OF AN ACID-SOLUBLE METAL PART IN A DEEP WELL

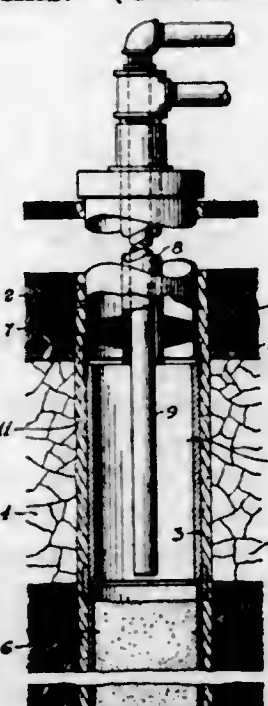
Paul H. Cardwell and Louis H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application August 6, 1945, Serial No. 609,253
4 Claims. (Cl. 252—8.55)



1. A method of removing from a well a metal part formed of aluminum and its alloys which comprises subjecting the part to the dissolving action of an aqueous solution containing from about 15 to 35 per cent hydrochloric acid and from 0.25 to 2.5 per cent of an aliphatic alcohol selected from the group consisting of tertiary butyl alcohol, isopropyl alcohol and glycerin.

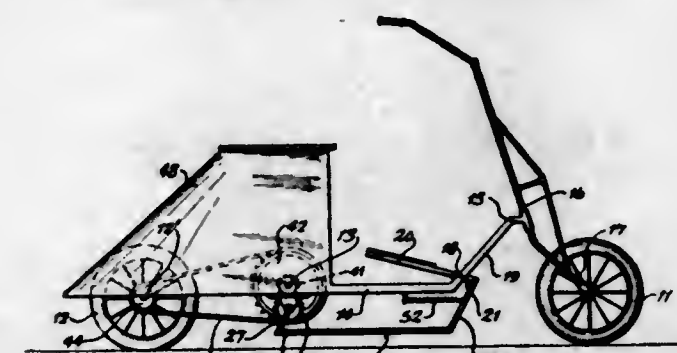
2,436,198 CHEMICAL REMOVAL OF AN ACID-SOLUBLE METAL PART IN A DEEP WELL

Paul H. Cardwell and Louis H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application August 6, 1945, Serial No. 609,254
7 Claims. (Cl. 252—8.55)



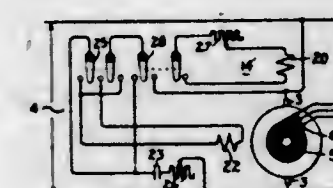
1. A composition for dissolving a metal part formed of aluminum and its alloys which comprises hydrochloric acid containing from about 15 to 20 per cent of HCl and 0.1 to 2 per cent of hypophosphorous acid.

2,436,199
PEDAL SCOOTER
Holley Cartmill, San Bernardino, Calif.
Application February 7, 1945, Serial No. 576,563
3 Claims. (Cl. 280—255)



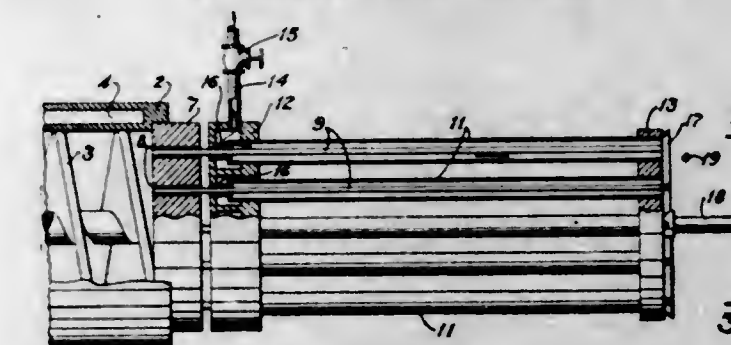
1. A pedal operated scooter with two wheels, a frame supported by said wheels, and a driving mechanism for the rear wheel, the latter comprising a unidirectionally operative mechanism on the rear wheel, intermediate shafts mounted on said frame, a unidirectionally operative mechanism on one of said intermediate shafts, driving wheels adapted to be coupled with said rear wheel and said intermediate shafts respectively by means of said unidirectionally operative mechanisms, means for positively connecting said driving wheels with each other for the transmission of movement, and means for operating the intermediate unidirectionally operative mechanism, said means including a treadle on the fore part of the frame.

2,436,200
SELF-PROPELLED TRANSMITTER
Shafi-Uddin Ahmed Choudhury, Leonard Jack Clark, and Arthur Hemborough Maggs, Rugby, England, assignors to General Electric Company, a corporation of New York
Application January 10, 1945, Serial No. 572,192
In Great Britain December 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 18, 1963
4 Claims. (Cl. 318—23)



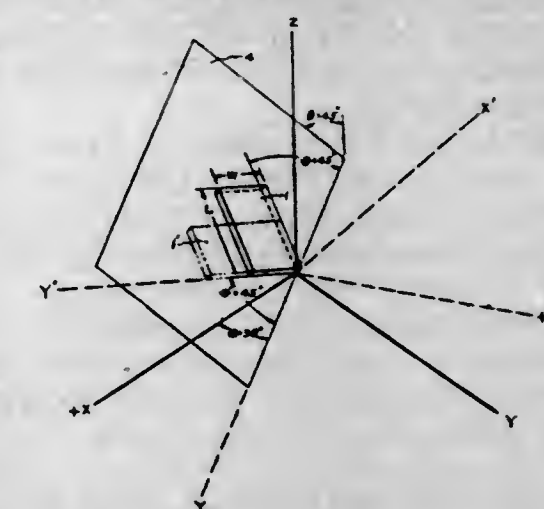
1. A multipolar synchronous transmitter comprising a rotary armature winding member, a commutator therefor, a three-phase arrangement of transmitter output connections to said armature, a pair of brushes per pair of poles resting upon said commutator for exciting said armature with alternating current, said transmitter performing its transmitter function by rotation of said armature with respect to said brushes, and a stationary field winding cooperating with said armature to cause operation of said transmitter as an alternating current motor while performing its transmitter action, the axis of said field winding being positioned 90 electrical degrees from the normal brush axis of said armature, means for shifting the angular relation between the brush axis and the effective field flux axis, and means for short circuiting said winding, said winding serving when short circuited to improve the transmitter action without such motoring action when the brush axis is 90 degrees from the field axis.

2,436,201
PRODUCTION OF STRAIN-FREE, EXTRUDED SHAPES FROM ORGANIC THERMOPLASTIC MATERIALS
Paul M. Cole, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 26, 1943, Serial No. 492,344
3 Claims. (Cl. 18—30)



1. A process of forming strain-free, thermally stable shapes from an organic thermoplastic material substantially free of volatile solvents, which process comprises extruding said thermoplastic material at elevated temperature in a body of continuous length into a duct and passing concurrently therewith through said duct a stream of inert gas having a temperature below the softening point of said thermoplastic material, the ratio of gas pressure in pounds per square inch at said duct entrance to the cross-sectional area in square inches of said duct being from 362:1 to 812:1 and the ratio of said cross-sectional area of said duct to the cross-sectional area of said extruded body being at least 2:1, and maintaining said extruded body in said duct until form-stable.

2,436,202
PIEZOELECTRIC APPARATUS
Jay J. Cress, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 13, 1945, Serial No. 577,695
5 Claims. (Cl. 171—327)

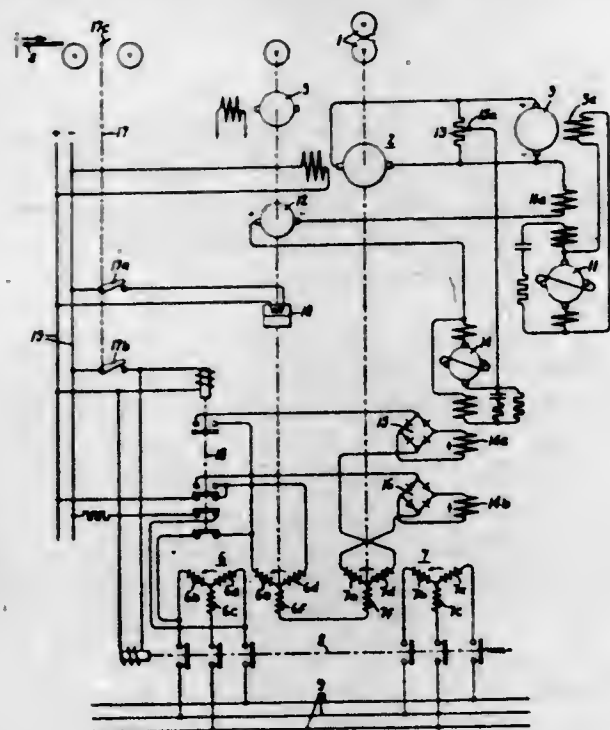


1. A piezoelectric crystal element having a rectangular major electrode face lying in a plane including a crystallographic mechanical axis of the mother crystal and disposed at an angle of approximately 45° to 60° with respect to the optical axis of said crystal and having a longitudinal edge disposed at approximately 45° from said mechanical axis in the plane of said face.

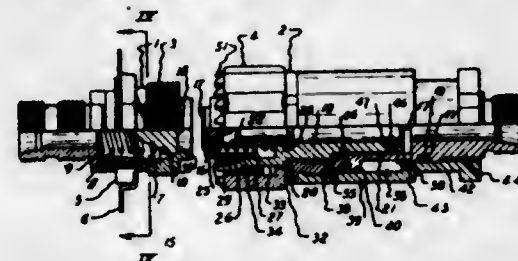
2,436,203
ELECTRIC MOTOR CONTROL SYSTEM
Frederick E. Crever, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 27, 1946, Serial No. 672,461
7 Claims. (Cl. 318—30)

1. A control system comprising a driving means, a first Selsyn having a rotor member con-

nected to said driving means and a stator member, a polyphase primary winding on one of said members and a secondary polyphase winding on the other of said members, an electric motor, a second Selsyn having a rotor member connected to said motor and a stator member, a polyphase primary winding on one member of said second Selsyn and a polyphase secondary winding on the other member, and means responsive to the

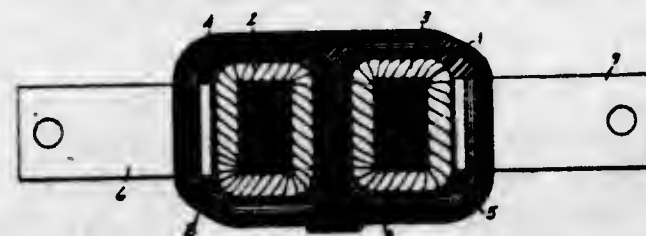


2,436,206
SELF-SEALING COUPLING
Mark A. Deming, Jackson, Mich., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application December 8, 1945, Serial No. 633,188
14 Claims. (Cl. 284-19)



1. A coupling of the character described, comprising two portions adapted to be connected together, each of said portions having connecting means for joining them together, one of said portions having an annular carriage for supporting its connecting means, an annular track for supporting said carriage for telescopic movement thereon and sealing means between said track and carriage to prevent the escape of fluid therebetween.

2,436,207
ELECTRIC WINDING
Franklin R. D'Entremont, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application December 29, 1945, Serial No. 638,056
18 Claims. (Cl. 175-358)



16. A winding comprising serially connected coils, each coil having a terminal end and an end for connection to the other coil, said last-mentioned ends being split into two parts one of which makes substantially one-half of a mechanical turn more than the other, the part making the greater number of mechanical turns having a generally tangentially extending projection, each projecting part being electrically connected to the part on the other coil which makes the fewer number of mechanical turns.

2,436,208
CONDENSER
Henry M. Dressel, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application July 3, 1943, Serial No. 493,327
2 Claims. (Cl. 175-41)



2. An electrical condenser of extremely small size comprising a pair of flexible wires each provided at one end with a substantially cylindrical solid head integral therewith, said heads being substantially the same size and disposed in axial alignment, the opposed end surfaces of the adjacent heads being substantially flat and parallel with a slight space between them, dielectric material filling said space, and a hardened plastic body enclosing said heads and dielectric material in contact therewith and holding them in fixed relation to one another.

2,436,204
COPOLYMERS COMPRISING ACRYLONITRILE AND VINYL ETHERS AND MOLECULARLY ORIENTED ARTICLES COMPOSED THEREOF

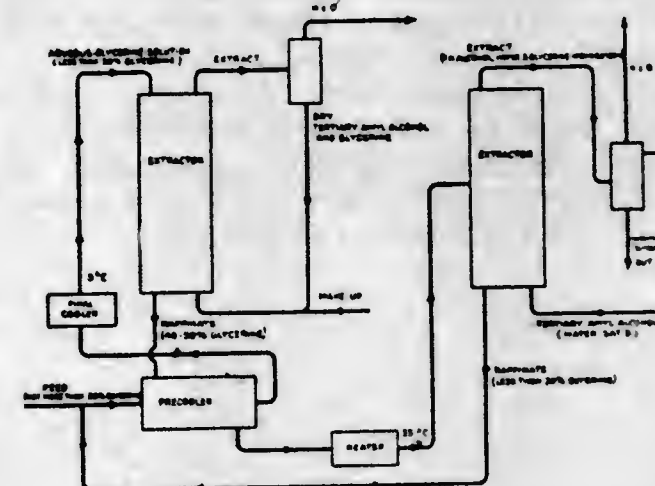
Gaetano F. D'Alelio, Northampton, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application February 25, 1944, Serial No. 523,902
14 Claims. (Cl. 18-54)

2. A molecularly oriented fiber which exhibits characteristic crystalline X-ray diffraction patterns which comprise a cold-drawn fiber of a polymerization product of a mixture comprising 55 percent but not more than 85% of acrylonitrile and 15 to 45 per cent of a vinyl ether of the formula $CH_2=CHOR$ where R is a radical selected from the group consisting of alkyl, aralkyl and aryl radicals.

2,436,205
RESISTANCE WELDING ELECTRODE
Le Roy Deits and Ivar W. Johnson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application December 20, 1946, Serial No. 717,592
5 Claims. (Cl. 219-4)

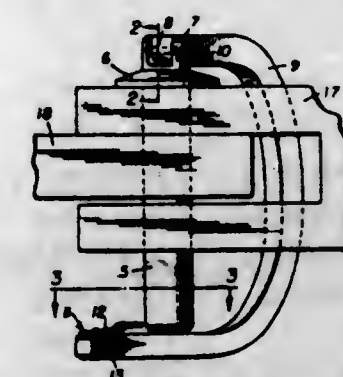
1. A pressure exerting, current carrying compact consisting of an intimate mixture of copper and carbon powders in which the percentage by weight of carbon present is about .25 to .75 per cent of the mixture.

2,436,209
EXTRACTION OF POLYHYDRIC ALCOHOLS
Joseph Clifton Elgin, Princeton, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application September 18, 1943, Serial No. 502,929
12 Claims. (Cl. 260-637)



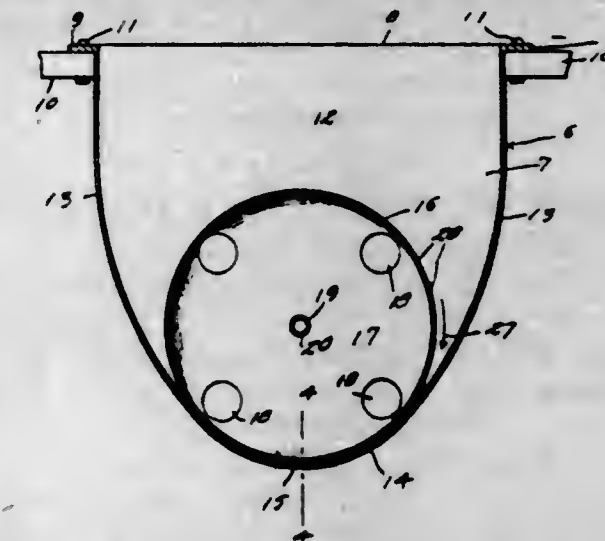
4. In a process for separating a liquid mixture including an organic polyhydric alcohol and water, the steps comprising extracting said mixture at a temperature between 0° and 75° C. with a liquid selective solvent comprising tertiary amyl alcohol as at least a major ingredient under conditions causing the formation of liquid raffinate and extract phases wherein one of the liquid phases so formed contains a substantial proportion of said organic polyhydric alcohol in a higher ratio to the water than that of the original mixture, separating the liquid raffinate and extract phases, and recovering organic polyhydric alcohol from that phase in which its ratio to water is higher than that of the original mixture.

2,436,210
COUPLING PIN
Fred Fuhrer, Geneva, and Charles Fuhrer, Uniondale, Ind.
Application February 25, 1947, Serial No. 730,658
2 Claims. (Cl. 280-33.15)



2. A coupling pin of the class described comprising a cylindrical shank having a bifurcated head end, a substantially U-shaped latch frame having one end interposed between the furcations of said head end and pivoted thereto for swinging movement of the frame toward and from the shank, the lower free end of said frame extending under the lower end of the shank and spaced therefrom, and a resilient spring locking catch secured at one end to the free end of the frame, the other end of said catch being spaced from said frame and of slightly larger width than the diameter of the shank, said catch adapted to be pressed down by the lower end of the shank as the frame is swung toward the shank to lock the lower end of said shank behind the catch.

2,436,211
APPARATUS FOR PRODUCING DROP SHOT
John Hart, Tacoma, Wash.
Application December 17, 1945, Serial No. 635,576
3 Claims. (Cl. 18-2.7)



2. In an apparatus for producing drop shot, a tank adapted to contain molten lead, and having a restricted bottom portion provided with an elongated opening, a rotary molten lead dispenser mounted for rotation in said tank and having a substantial portion thereof in flush engagement with the inner side of the tank bottom on both sides of the opening thereof, said dispenser having a plurality of peripheral apertures each disposed to move into and out of registry with the opening in the tank bottom during each revolution of the dispenser and being in full communication with said opening during a portion of the travel of the dispenser in each revolution, said dispenser having additional enlarged apertures therein communicating with the interior of the tank for admitting the molten lead therefrom to the interior of the dispenser, and each of the first mentioned apertures of the dispenser being of an outwardly divergent shape to facilitate the separation of the globules from the dispenser through the apertures in registry with the tank opening, and the rotation of the dispenser functioning to impart a rotary motion to the globules upon release therefrom.

2,436,212
OIL GAUGE
Ralph M. Heintz, Cleveland, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application January 29, 1946, Serial No. 643,983
2 Claims. (Cl. 73-517)



1. A liquid level gauge comprising a rotatable indicating means carried by a rotatable shaft, a float and float arm pivotally movable in response to liquid level variations, said float arm having forked ends, a shaft connected to said float arm between said forked ends and rotatable by said float arm, said first shaft having a gear rigid therewith, said second shaft having a gear adjustably carried thereon and keyed against relative rotation and slidable thereon into and out of engagement with the gear on the first shaft.

out of mesh with said first gear for the purpose of adjustment and calibration of said indicating means with respect to said float arm, a spring on each side of said slidable gear on said second shaft, one of which springs is stronger and adapted to overpower the other to normally resiliently force said slidable gear into mesh with the other gear.

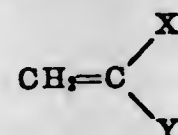
2,436,213

SYNTHETIC RUBBERLIKE MATERIALS COMPRISING FLUOROPRENE

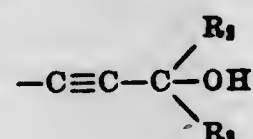
Frederick B. Hill, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1944,
Serial No. 540,539

8 Claims. (Cl. 260-84.5)

1. A synthetic, rubber-like material obtained by polymerizing together a mixture of polymerizable monomers consisting of from 15% to 80% of fluoroprene, 80% to 15% of a 1,3-butadiene hydrocarbon containing not more than 6 carbon atoms, and 5% of a vinylidene compound of the formula:



wherein X stands for a member of the group consisting of hydrogen and methyl, and Y stands for a radical of the group consisting of aryl, -COOR₁ and



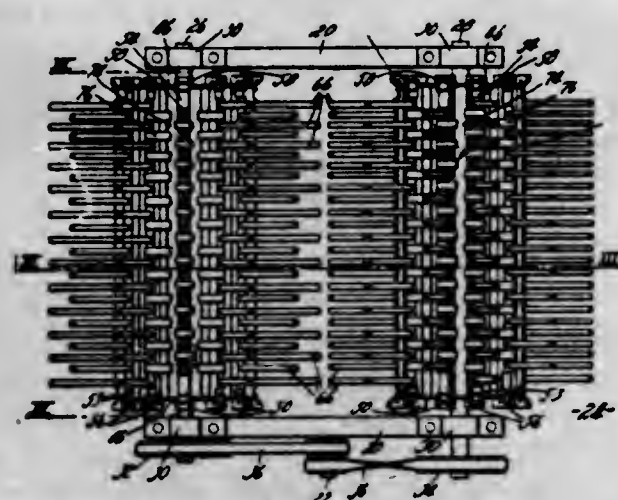
wherein R₁ stands for a radical of the group consisting of alkyl and monocyclic cycloalkyl, and R₂ and R₃ each stands for a member of the group consisting of hydrogen and alkyl, and where R₂ and R₃, together with the C-atom to which they are attached, stand for a cycloaliphatic hydrocarbon radical, and in all cases the alkyl and cycloaliphatic hydrocarbon radicals contain not more than 10 carbon atoms and the aryl radical is of the benzene and naphthalene series.

2,436,214

POULTRY PLUCKING MACHINE

Gordon W. Johnson, Raytown, Mo., assignor to Gordon Johnson Company, Kansas City, Mo., a corporation of Missouri
Application May 12, 1945, Serial No. 593,423

8 Claims. (Cl. 17-11.1)



1. A feather engaging drum for a poultry plucking machine comprising a pair of spaced apart discs mounted for rotation with a drum axle, a series of elastic bars mounted about the

periphery of said drum and between said discs and removably secured thereto at their opposite ends, and elongated feather engaging fingers extending outwardly from said elastic bars.

2,436,215

STONE ASSEMBLY FOR HONING TOOLS

John E. Kline, Grosse Pointe Farms, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Original application May 3, 1940, Serial No. 333,195, now Patent No. 2,349,628, dated May 23, 1944. Divided and this application May 19, 1943, Serial No. 487,560

5 Claims. (Cl. 51-204)



1. In an abrasive unit for a honing tool, a carrier having a body portion and aligned projecting end portions, the longitudinal axis of the body portion being disposed at an angle to the longitudinal axis of the projecting portions, and a stone secured to said body portion with its axis aligned therewith.

2,436,216

FLAMEPROOFING COMPOSITIONS

Earl W. Leatherman, Akron, Ohio
No Drawing. Application December 28, 1942,
Serial No. 470,404

3 Claims. (Cl. 106-18)

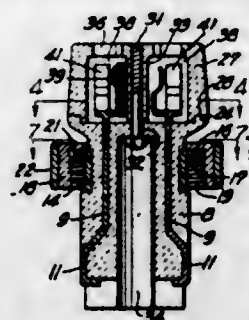
1. A flameproofing composition comprising a thermally unstable chlorinated resinous material, a material capable of reacting with hydrogen chloride to form a deliquescent chloride not appreciably volatile below 300° C., said material being from the class consisting of zinc oxide and ferric hydroxide, a water insoluble higher fatty acid, and a water insoluble metallic soap.

2,436,217

ELECTRICAL CONNECTOR

Harold Locktov, Berkeley, Calif.
Application September 27, 1945, Serial No. 618,862

4 Claims. (Cl. 173-343)



1. An adapter comprising a plug member having a separate head member at one end thereof provided with recesses and apertures entering said recesses for the reception of connector prongs, means to connect said plug and head members together, conductors extending longitudinally and within the body of said plug member, said conductors terminating at one end in contacts exposed at the periphery of and at

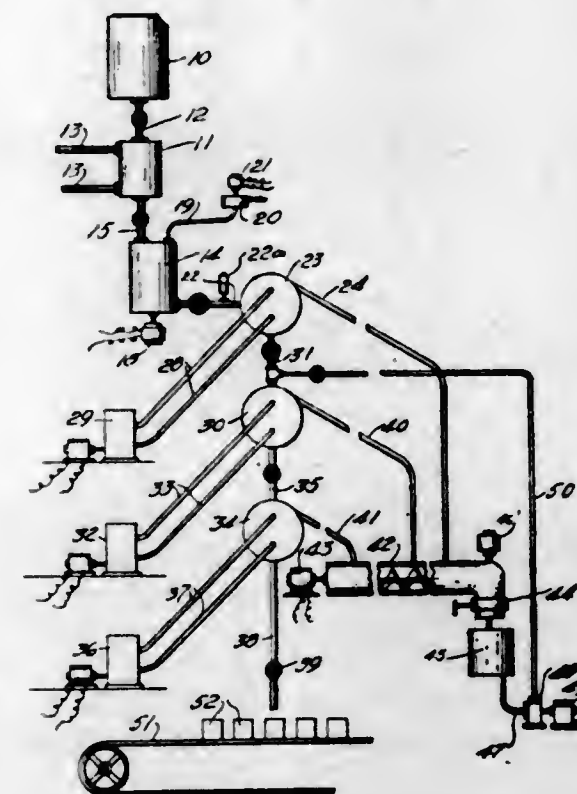
diametrically opposed points on said plug member, said conductors at the other end thereof entering the respective head member recesses, contact fingers connected with said other end of the conductors and positioned within said recesses to be engaged by said connector prongs, and an internally threaded ring member concentric with and journaled on said plug member.

2,436,218

PROCESS FOR CONCENTRATING BY FREEZING LIQUID FRUIT JUICE

Wade E. Malcolm, Orlando, Fla.
Application September 12, 1944, Serial No. 553,748

1 Claim. (Cl. 99-205)



A method of concentrating fruit juice which consists in pre-cooling the substance, de-aerating the substance, passing the pre-cooled and de-aerated substance through successive freezing stations at successively lower temperatures, removing the frozen portion of the substance from each station, separating the denser and lighter parts of the frozen portions removed from the successive freezing stations, and repassing the denser parts through some of the freezing stations and finally subjecting the resulting product to centrifuging action.

2,436,219

TEXTILE PRODUCT AND PROCESS

Robert D. MacLaurin, Lakewood, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 1, 1944,
Serial No. 561,498

12 Claims. (Cl. 252-8.9)

1. A yarn which has been treated with a composition comprising hydrogenated fish oil and a product formed by reacting at least about 20 moles of an alkylene oxide with one mole of a partial polyester of a fatty acid containing at least twelve carbon atoms and a polyhydric alcohol selected from the group consisting of hexahydric alcohols and the anhydro derivatives of such alcohols; said hydrogenated fish oil and ester reaction product being present in said composition in proportions, by weight, of about 0.82 to 1 parts of said hydrogenated fish oil to 1 part of said ester reaction product; said hydrogenated fish oil having a melting point of between about 30° C. and 60° C.

2,436,220

DIMETHYL SILICONE ELASTOMERS CONTAINING LEAD MONOXIDE

James Marsden and George F. Roedel, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application August 11, 1944,
Serial No. 549,128

5 Claims. (Cl. 260-46.5)

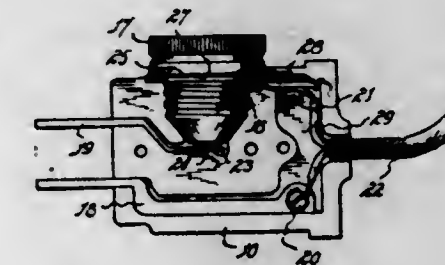
1. An elastomeric body comprising the heat-treated mixture of ingredients comprising (1) a dimethyl silicone gum having an average of from 1.98 to 2.00 methyl groups per silicon atom and containing from 0.3 to 5 per cent ferric chloride hexahydrate and (2) lead monoxide in an amount ranging from 1 to 2 times the amount of ferric chloride present in said gum.

2,436,221

PLUG ATTACHMENT FOR ELECTRIC CORDS

John E. Mehrtens, San Francisco, Calif.
Application February 23, 1944, Serial No. 523,603

1 Claim. (Cl. 200-115.5)



A plug attachment for an electric cord comprising, a casing section having a semi-cylindrical recess in one face thereof, a second casing section of shorter length than the first casing section and having a semi-cylindrical recess in one face thereof, means detachably holding said casing sections together with said recesses in register to provide a substantially cylindrical shaped recess open at one side of the plug for receiving a fuse plug therein, a contact blade projecting from one end of the plug and extending along a groove in the casing sections to the other end of the plug and beyond the end of the second casing section, a second contact blade projecting from said one end of the plug in grooves in said casing sections and terminating adjacent the inner end of said cylindrical recess, said casing sections having a cavity therein permitting resilient movement of the second contact blade, a conductor extending from said cylindrical recess beyond the end of the second casing section, means for attaching an electric cord to the first contact blade and said conductor beyond the end of the second casing section, and a third casing section adapted to fit the first casing section and cover said cord end.

2,436,222

ADHESIVE CEMENT COMPOSITIONS

Arthur M. Neal, Wilmington, and John J. Verbanc, Tuxedo Park, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 23, 1943,
Serial No. 511,483

4 Claims. (Cl. 260-768)

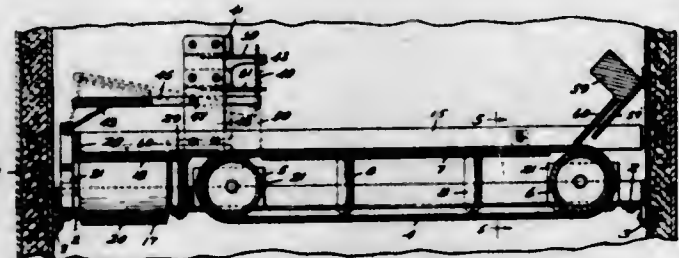
1. An adhesive cement composition comprising an elastoprene, an organic diisocyanate and a non-reactive volatile organic solvent.

2,436,223

PRODUCT VENDING MACHINE

Everett J. Newcomer, Kew Gardens, N. Y., assignor to City Vending Equipment Corp., Masspeth, Long Island, N. Y., a corporation of New York

Application June 19, 1946, Serial No. 677,891
3 Claims. (Cl. 312—36)



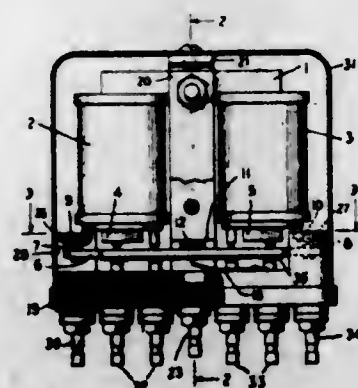
1. In a vending machine as described, the combination with a storage feed belt and its containers, a delivery belt and its containers, a motor for driving the storage feed belt, and an operating circuit for the motor including a control switch, of a pivotally mounted replacement yoke co-acting with the containers on the delivery belt for opening the control switch, and automatic means operative in the absence of contact of the containers from said yoke for closing the control switch.

2,436,224

DIFFERENTIAL ELECTROMAGNET HAVING SNAP ACTION

Hugh M. Ogle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 29, 1944, Serial No. 551,731
4 Claims. (Cl. 175—335)



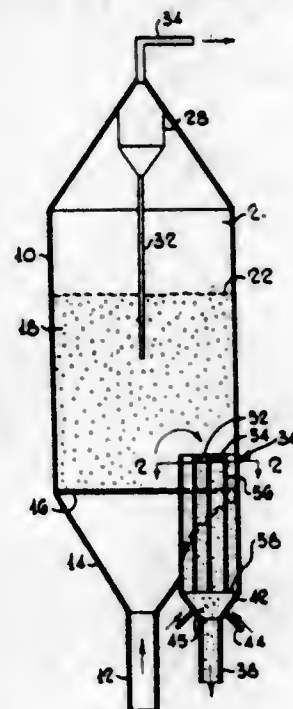
1. A differential control device comprising a magnet core provided with at least two legs, a coil on each of said core legs, a support between said core legs provided with spaced-apart knife-edge bearings, an armature extending across the ends of said core legs, a spring biasing said armature against said bearings in an intermediate unattracted position with each end of said armature in spaced unattracted relation with the end of the adjacent core leg, and electric circuit connections for energizing said coils differentially thereby to produce snap pivotal movement of said armature on one or the other of said bearings toward one or the other of said core legs, upon predetermined differential energization of said coil, said spring being constructed and arranged to secure said armature in said intermediate unattracted position when said differential energization is reduced thereby to produce reverse snap movement of said armature away from one of said core legs.

2,436,225

APPARATUS FOR CONTACTING SOLIDS WITH GASEOUS FLUIDS

Henry J. Ogorzaly, Summit, and Wilford P. Lakin, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application August 24, 1944, Serial No. 551,028
2 Claims. (Cl. 196—52)

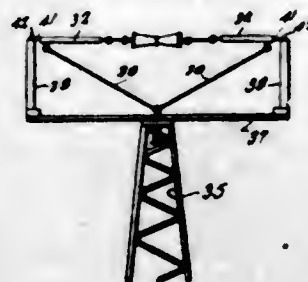


1. An apparatus of the character described including a cylindrical vessel provided in its lower central portion with a circular perforated inlet member spaced from the wall of said vessel, a cylindrical baffle depending from the periphery of said inlet member and forming with the wall of said vessel an annular stripping chamber, said stripping chamber being subdivided into a large number of vertical parallel cells by intersecting vertical partitions to form a cellular structure similar to a honeycomb.

2,436,226

MAIL CRANE

Irvin Pendleton, Campbellsburg, Ky.
Application June 2, 1945, Serial No. 597,311
3 Claims. (Cl. 258—1.2)



2. A mail bag suspension arrangement for mail bags to be picked up by vehicles in motion, comprising a crane with a fixed member and with movable mail bag suspension arms adapted to be moved away from each other, projecting studs on said arms for slidably holding the mail bag, extension cords attached to the center of the end portions of the mail bag for extension along the longitudinal axis of the mail bag, means attached to the ends of the extension cords of the mail bag for engaging said studs, said means being adapted to slide along the same, a cord attached to said extension cords for forming a loop with the body of the mail bag, means attached to said cord for detachably holding it, a spring pressed slidable member mounted on the fixed member of the crane provided with a stud, for engaging the cord holding means and for

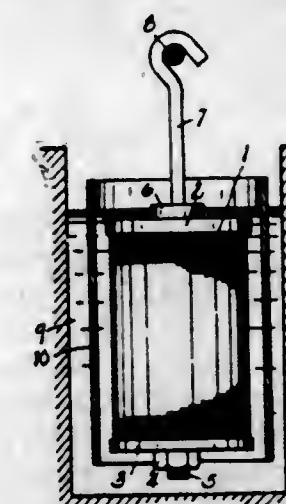
drawing the cord and the mail bag inwardly towards the crane, thus simultaneously extending the loop to maximum length and holding the mail bag on the studs on the movable crane arms.

2,436,227

METHOD OF FORMING PISTON RING ELEMENTS OF RIBBON STEEL

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan

Application June 16, 1944, Serial No. 540,714
5 Claims. (Cl. 204—25)



1. The method of forming split piston ring elements having chromium plated peripheral cylinder wall engaging edges comprising the steps of coiling a strip of ribbon steel edgewise into a continuous integral multiple coil spiral, clamping such continuous integral multiple coil spiral in a plating bath holder with such axial clamping pressure that the individual coils thereof are clamped in side by side substantially fluid sealing relation, submerging the multiple coil spiral so mounted in the holder in a chromium plating bath and centrally within a tubularly shaped anode, electrically plating the peripheral cylinder wall engaging edge of the multiple coil spiral while submerged in said bath, in the form of a continuous integral multiple coil member, and with the individual coils thereof clamped in said side by side substantially fluid sealing relation, and thereafter cutting the multiple coil peripherally plated spiral into split piston ring elements, said step of coiling fashioning the ring elements approximately to shape, and positioning the coils of the ring elements in superimposed relation for the plating operation.

2,436,228

AUTO LUGGAGE CARRIER

Samuel Purchase, Grand Rapids, Mich.
Application April 8, 1946, Serial No. 660,532
3 Claims. (Cl. 224—29)



1. In a luggage carrier construction, two bars having one end of each adjacent to the other, connecting means at the adjacent ends of the bars comprising a channel element including a horizontal web and upwardly extending flanges with the web underneath adjacent end portions of the bars and said flanges embracing the adjacent sides of the bars, means pivotally connecting said flanges to said bars adjacent the outer

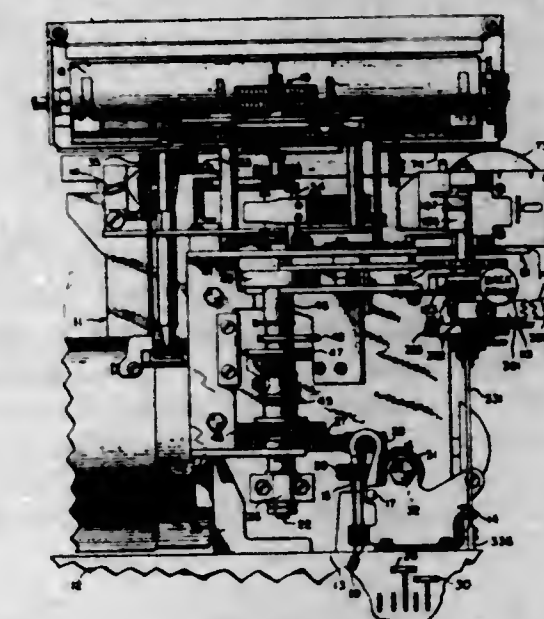
ends of the flanges and a distance from adjacent ends to the bars, said bars being adapted to be disposed in horizontal alignment or folded in substantial parallelism, a U-shaped stirrup pivotally connected at the outer end of each bar and adapted to extend downwardly and outwardly therefrom, a threaded rod connected with each stirrup and extending therefrom, members of flat metal having ends portion bent at an angle to the bodies of said members and through one of which each of said rod pass, the opposite end portions of said members being formed into hooks open at their upper sides, nuts threaded on the rods to engage against the undersides of the end portions of said members through which the rods pass, and foot-members connected one adjacent the outer end and the underside of each of said bars.

2,436,229

RECORDER

Albert H. Reiber, deceased, late of Evanston, Ill., by Emily Y. Reiber, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application July 29, 1943, Serial No. 496,551
12 Claims. (Cl. 164—113)



1. In an initiating recorder, transmitting means, a signal responsive selector, a printing mechanism and a perforating mechanism controlled by said selector to record characters corresponding to generated signals in one web and to perforate equivalent signals in another web, and a common means operable to back space both webs substantially simultaneously preparatory to rubbing out a printed and a perforated character.

2,436,230

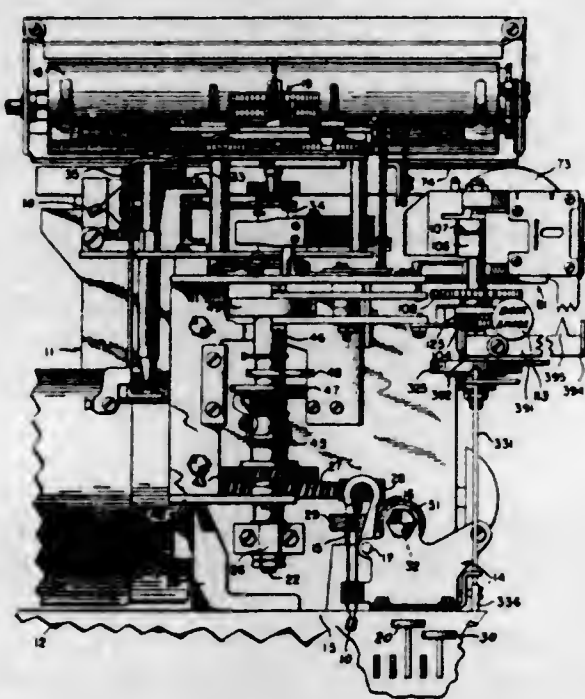
RECORDER HAVING SUPPRESSION OF SPACING CONTROL OF PRINTING WITHOUT SUPPRESSION OF SIMILAR CONTROL FOR PUNCHING

Albert H. Reiber, deceased, late of Evanston, Ill., by Emily Y. Reiber, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Original application July 29, 1943, Serial No. 496,551. Divided and this application February 26, 1944, Serial No. 524,039
11 Claims. (Cl. 164—113)

1. In a recorder at an initiating station, signal responsive selector mechanism, printing instrumentalities and perforating instrumentalities controlled by said selector mechanism in response to signals to produce corresponding records on independent webs, independent spacing mechanisms associated with said printing and said per-

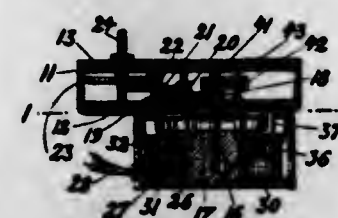
forating instrumentalities, said spacing mechanisms effective as an incident of the printing and perforating operations to effect similar responses in said printing and perforating instrumentalities, means to reverse the actions of said spacing mechanisms simultaneously to effectuate corre-



sponding reverse movements in said webs, and means effective under certain predetermined conditions of reverse operation for suppressing the operation of the spacing mechanism associated with the printing instrumentalities while enabling the reverse operation of the perforator spacing mechanism.

2,436,231

SELF-STARTING SYNCHRONOUS MOTOR
Eugene L. Schellens, Essex, Conn., assignor to The R. W. Cramer Company, Incorporated, Centerbrook, Conn., a corporation of Connecticut
Application October 20, 1945, Serial No. 623,558
10 Claims. (Cl. 172-278)



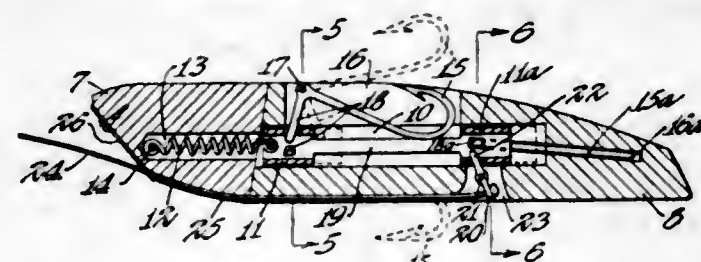
1. In a self-starting synchronous electric motor having a stator and a light shaft-carried rotor and being of a kind, such as the inductor type, wherein without control the starting may occur unpredictably either in the desired correct rotary direction or in the opposite incorrect direction, control means embodied with such motor for ensuring its prompt starting in the correct direction, comprising, in combination with a toothed motor gear rotatable from the rotor shaft, a control gear directly in mesh with and driven by the motor gear; the motor gear teeth at their leading sides and the control gear teeth at their trailing sides having normal formations for smooth and continuous correct-direction rotation and drive, and the other sides of the teeth thereof having cut-aways providing substantial recesses and permitting loose play or backlash between the two gears such as to cause abnormal coaction including quick blocking of the motor gear and shaft rotation when urged in the incorrect direction; whereby whenever the motor torque or impulse starts in the incorrect direction the cooperating motor gear and control gear become promptly self-obstructed and blocked with positive stoppage and with sufficient reaction and

rebound from impact to change the direction of rotation of the motor gear and rotor and thereby initiate and establish smooth running in the correct direction.

2,436,232

FISH LURE

Robert A. Shetka, ward, St. Paul, Minn., by Adolph Shetka, guardian, St. Paul, Minn.
Application December 1, 1945, Serial No. 632,160
2 Claims. (Cl. 43-35)



1. In a fish lure, a hollow elongated body having narrow longitudinally extending slots opening to the exterior thereof, a hook pivotally mounted in each of said slots and movable from a retracted position within the same to an extended position relative to the exterior surface of said body, an actuating member for said hooks movable longitudinally within said body, means operatively connecting the several hooks to said actuating member, a spring normally retaining said actuating member in a forward position within said body and the hooks in retracted positions in said slots, a lever pivotally supported in said body and having an inner end portion operatively connected to said actuating member and a leader connected to an outer end portion of said lever for actuating said member to a rear position, whereby said hooks may be caused to project from the body when the latter is retarded.

2,436,233

PROCESS FOR PREPARING MONOMERIC DITHIOGLYCIDOL

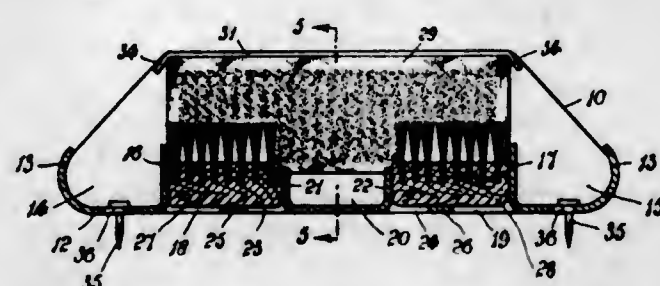
Frank Kerr Signalgo, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 16, 1943, Serial No. 498,879
2 Claims. (Cl. 260-327)

1. Process for preparing monomeric dithioglycidol which comprises heating 1,2-dithioglycerol at a pressure of 5-25 mm. to a temperature between 100° C. and the boiling point, at said pressure, of 1,2-dithioglycerol and continuously separating the monomeric dithioglycidol formed.

2,436,234

SHOE CLEANER

Edward A. Stein, Detroit, Mich.
Application May 28, 1945, Serial No. 596,365
8 Claims. (Cl. 15-161)



1. In a device of the class described, a brush holder comprising a base having a series of struck-up walls arranged in spaced apart relation, transverse troughs formed between alternate sets of said series of struck-up walls with

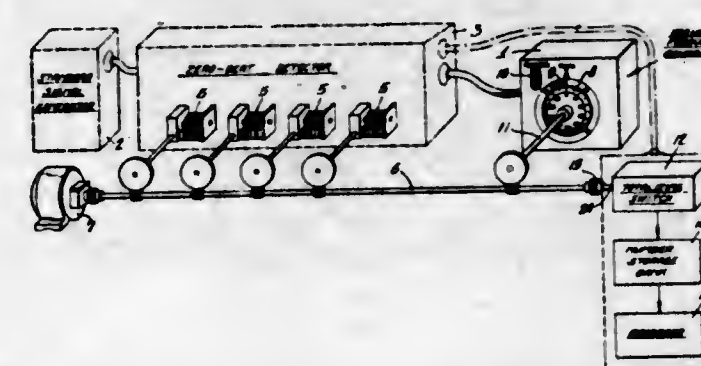
spaces between said troughs to accommodate and frictionally grip the backs of upwardly facing brushes, and side walls flanged along their upper edges to accommodate and frictionally grip the backs of laterally positioned opposed brushes.

through which the vertically extending sides of the separators project and means connecting the bottom bends of the separators to the bottom of the crate and to the false bottom.

2,436,235

RECORDING APPARATUS

David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 5, 1944, Serial No. 534,384
8 Claims. (Cl. 234-1.5)

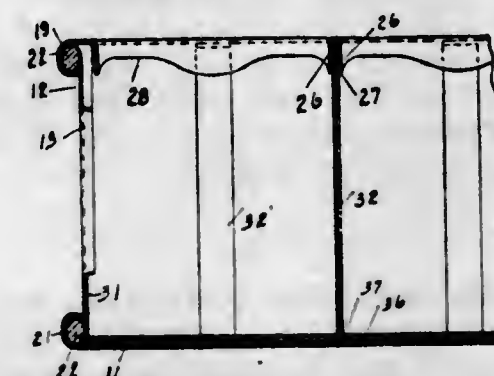


2. In an apparatus for accurately recording the total revolutions of a rotating shaft at a given instant, a multi-section switch device operated by said shaft, each section of said switch device comprising a predetermined number of stationary contacts and a movable contact arm adapted to engage said contacts successively, said switch device further comprising means for establishing a multiple relationship between the movements of the successive sections, a plurality of normally inoperative electrical devices associated with each of said switch sections, said devices being operated by the application thereto of an operating potential and a starting potential, means for applying an operating potential to all of said devices at a given instant, means controlled by said switch sections for applying a starting potential to certain ones of said electrical devices depending upon the positions of the switch arms at said instant, and means responsive to the operation of the selected devices for making a record indicative of the total shaft revolutions at said instant.

2,436,236

BOTTLE CRATE

Alphonso Taurman, Birmingham, Ala.
Application August 23, 1945, Serial No. 612,162
8 Claims. (Cl. 220-21)

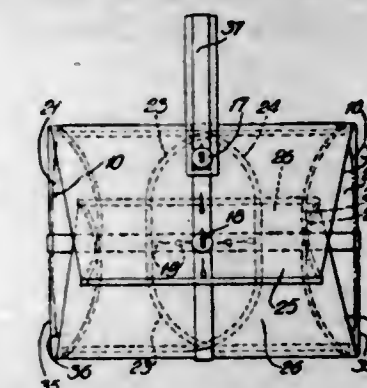


4. A bottle crate comprising a metal top having downwardly flanged openings therein for the reception of bottles, a metal bottom spaced from the top, bottle separators comprising continuous metal straps each bent in a plurality of U shapes each U shape forming a separator with the vertically extending sides doubled and joined to the top between adjacent downturned flanges, and a false metal bottom having openings therein

2,436,237

REMOVABLE COVER FOR HANDBAGS OR SIMILAR ARTICLES

Helene Brandt, New York, N. Y.
Application April 4, 1946, Serial No. 659,559
5 Claims. (Cl. 229-87)



1. In combination, a bag to be protected; and a bag protector comprising a sheet envelope of flexible material having intersecting axes and outer and inner flaps at the ends of the axes respectively; the axis of the inner flaps having a series of buttonholes at each end; the axis of the outer flaps being provided at opposite end portions with buttonholes, and fastening buttons at the outer face; said body portion being disposed against one flat side of said bag, with the inner flaps inwardly overlapped against the other flat side of the bag and adjustably buttoned together with an approximately central fastening button, causing folding of the margins of the side flaps; the marginally folded side flaps being inwardly folded on the end flaps and adjustably buttoned to said central button.

2,436,238

INTERPOLYMERIZATION OF OLEFINS
Edward F. Wadley and Joseph T. Horecky, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 4, 1944, Serial No. 562,022
11 Claims. (Cl. 260-683.15)

1. A method for interpolymerizing olefins of different molecular weights which comprises contacting these olefins in admixture with each other with a mixture of boron fluoride and sulfuric acid of a concentration between about 50% and 80%, of which mixture the boron fluoride constitutes between about 5 and about 25 weight per cent, at a temperature between about 125° F. and 300° F. for a period sufficient to effect the desired reaction.

2,436,239

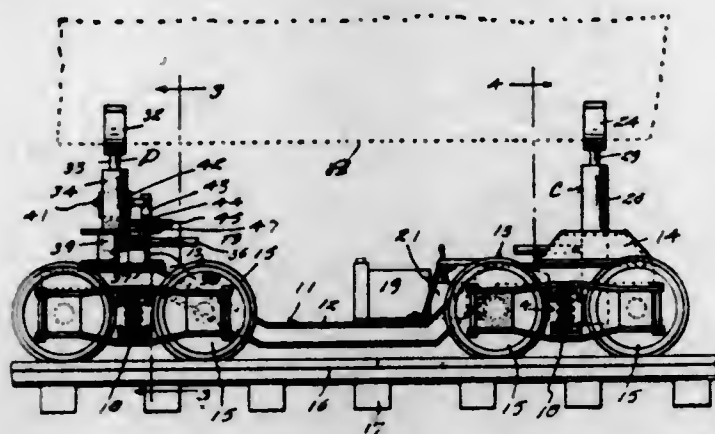
METHOD OF PREPARING CASEIN ADHESIVES

Samuel M. Weisberg and Edwin G. Stimpson, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 1, 1941, Serial No. 413,162
6 Claims. (Cl. 106-146)

1. A method of preparing adhesives comprising heating and agitating a mixture of casein and water to about 145° F. in the presence of an alkaline compound to produce a homogeneous dis-

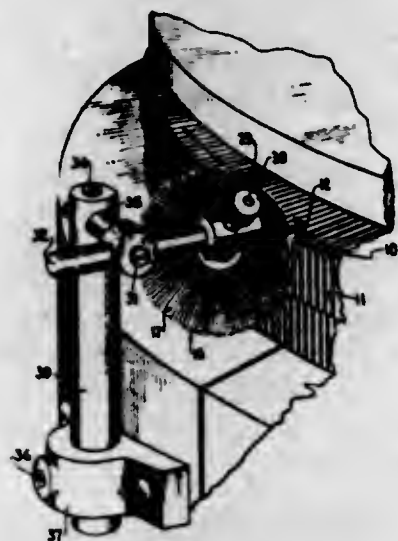
person containing at least 30% casein, cooling said dispersion, mixing with said dispersion a proteolytic enzyme which is active in alkaline or neutral solution, agitating said dispersion for a predetermined period of time at a temperature suitable for activity of said enzyme, and subsequently heating said enzyme to render it inactive.

2,436,240
AIRPLANE LANDING GEAR
Anthony P. Wier, Dayton, Ohio
Application October 21, 1943, Serial No. 507,151
5 Claims. (Cl. 244-63)



1. A structure of the class described comprising a self-propelled body, cradle means thereon to accommodate the landing and support of aircraft, said cradle means including a plurality of cradles, and means operable to move one of the cradles laterally with respect to the other, said cradles including dashpots operable to raise and lower the same.

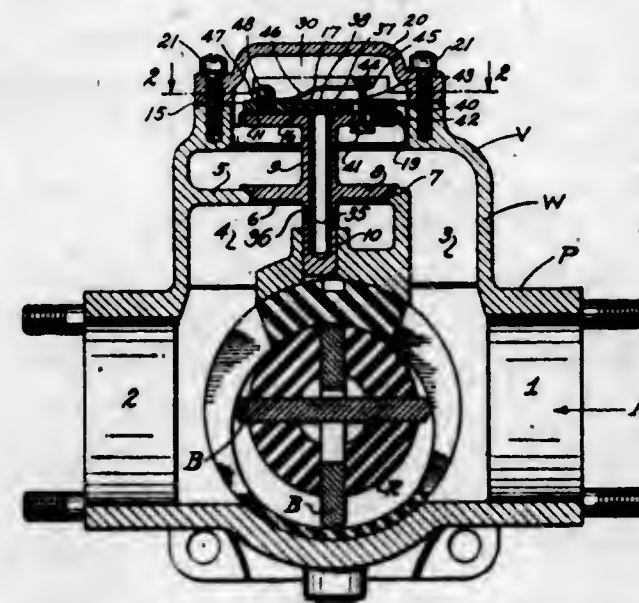
2,436,241
LATCH NEEDLE OPENER
Stanley A. Wytovich, Allentown, Pa., assignor to Blossom Products Corporation, Allentown, Pa., a corporation of Pennsylvania
Application February 12, 1947, Serial No. 728,002
6 Claims. (Cl. 66-111)



1. In a knitting machine of the type having a cylinder member with needle slots and latch needles slidably movable therein, a latch opener comprising a brush member rotatably mounted adjacent the cylinder member at a predetermined region of the machine, the bristles of the brush being in pressing engagement with the cylinder and the slots, whereby upon an operative rotation of the cylinder the brush will be rotated, the bristles of the brush being positioned for engagement with the inner wall of the closed latch of an adjacent needle at the said region, whereby upon an operative rotation of the brush the bristles thereof will cause the latch to be opened.

2,436,242
VALVE

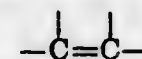
Leslie L. Aspell, Elyria, Ohio, assignor to Romec Pump Company, Elyria, Ohio, a corporation of Ohio
Application January 11, 1944, Serial No. 517,776
5 Claims. (Cl. 137-53)



2. A valve comprising a high pressure chamber, a low pressure chamber, an intermediate pressure chamber, a ported partition having a valve seat separating said first two chambers, movable fluid impervious means separating said intermediate pressure chamber from said low pressure chamber, a valve closure member having a stem and a disc coacting with said seat and movable to control the flow of fluid through said ported partition, said member being connected with said means through said stem and movable therewith, said member, stem and means having a restricted fluid passageway leading directly from said high pressure chamber to said intermediate pressure chamber, said means having a separate passageway leading from said intermediate pressure chamber directly to said low pressure chamber, and means carried by said first named means and responsive to the difference in pressure between said intermediate and said low pressure chambers for controlling the flow of fluid through said last named passageway.

2,436,243
PURIFICATION OF ORGANIC NITROSATION-SULFITATION PRODUCTS
Leland James Beckham, Chesterfield County, Va., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application December 22, 1945, Serial No. 637,068
13 Claims. (Cl. 260-513)

1. A process for purifying a surface-active nitrosation-sulfitation product containing inorganic salts impurities and obtained from an unsaturated organic compound of 10 to 30 carbon atoms having a non-aromatic



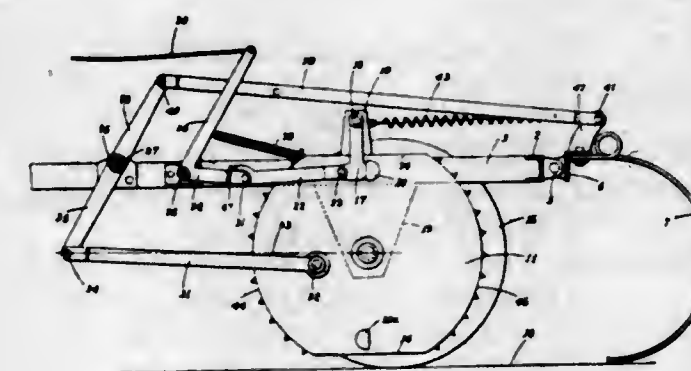
linkage, which comprises mixing an aqueous solution of said nitrosation-sulfitation product with a solvent which is incompletely miscible with said solution, containing at least 50% by weight of a monohydric alcohol of 3 to 5 carbon atoms, the amount of said solvent and the ratio of the amount of inorganic salts to water in the resulting mixture being sufficient to insure formation of separate aqueous and alcohol-rich phases, separating the resulting alcohol-rich phase from the aqueous phase of the mixture, and recovering the nitrosation-sulfitation products contained in said alcohol-rich phase.

2,436,244
METALWORKING AND STRIPPING-PLATING PROCESS

Harry L. Benner and Robert R. Bair, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 25, 1943, Serial No. 503,840
4 Claims. (Cl. 204-37)

2. In a process for selective case hardening, the steps comprising applying a coating of copper to a portion of a steel article, subjecting the coated article to a carburizing treatment, and thereafter stripping the copper coating from said article by anodic treatment in an electrolyte comprising essentially dissolved alkali metal copper cyanide in a concentration equivalent to 2 to 20 ounces per gallon of copper cyanide (CuCN), free alkali metal cyanide equivalent to 0.5 to 4 ounces per gallon of sodium cyanide, and phosphate ions equivalent to 2 to 16 ounces per gallon of $Na_2PO_4 \cdot 12H_2O$, while maintaining said electrolyte at a pH of 10.9 to 13.0 and at a temperature of about 75 to 85° C. and maintaining the voltage of the electric current at about 1 to 2.5 volts.

2,436,245
RAKE ACTUATING MECHANISM
Dennis F. Bloom, Jr., West Sacramento, Calif.
Application June 26, 1944, Serial No. 542,112
15 Claims. (Cl. 56-386)

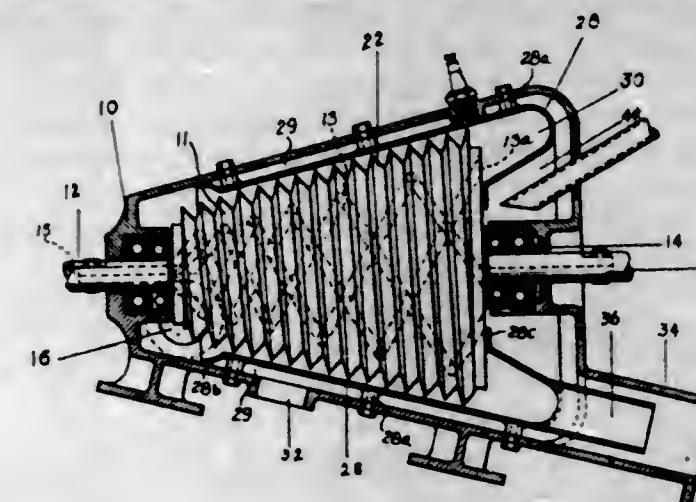


1. A rake actuating mechanism for a hay rake which includes a main frame disposed above and supported for movement along the ground, and a rake assembly mounted on said main frame for up and down swinging movement, said actuating mechanism comprising a movable member connected to said rake assembly to lift the same, drive means operative to move said member in a direction to lift the rake assembly, said drive means being driven by ground engagement but normally disposed in direct ground clearing relation, and manually controlled means to cause ground engagement of said drive means.

2,436,246
AIR-COOLED EXPLOSION TURBINE
Earl W. Braga, Los Angeles, Calif.
Application October 21, 1944, Serial No. 559,741
5 Claims. (Cl. 60-41)

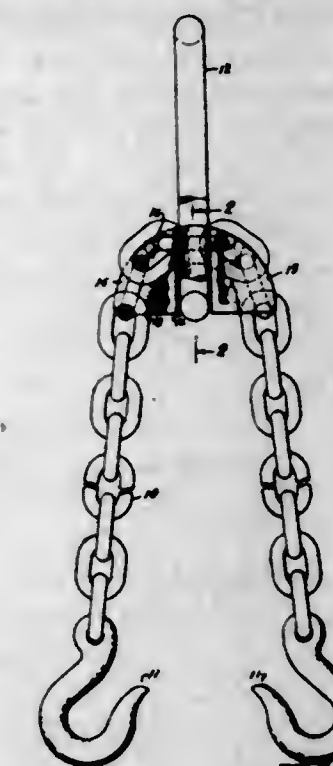
1. In an explosion turbine, a frusto-conical rotor having an interior combustion passage extending from the smaller to the larger end in curved lines receding continuously from the rotor axis, cooling fins projecting from the peripheral surface of said rotor, a frusto-conical housing

surrounding said rotor in close proximity to said cooling fins, and means for propelling a stream



of cooling air through the space between said rotor and said housing.

2,436,247
ADJUSTABLE BRIDLE SLING
Carl A. Bufflap, Spring Garden Township, York County, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application June 19, 1946, Serial No. 677,645
6 Claims. (Cl. 294-1)

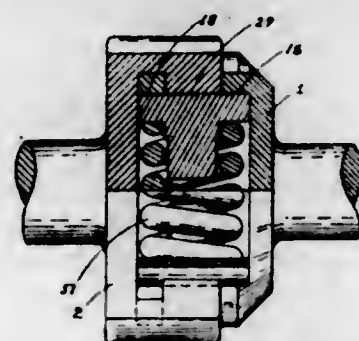


1. A sling having a pair of legs adjustable as to relative length comprising a suspension ring, a saddle within the ring, said saddle having grooves to receive the sides of the ring to prevent rotation of the saddle with respect to the ring, a chain constituting the legs of the sling passing through the ring and engaging the surface of the saddle and supported thereby, said saddle having indentations to receive links of the chain and prevent lengthwise movement of the chain under load.

2,436,248
COUPLING
Joseph S. Cardillo, Elyria, Ohio, assignor to Romec Pump Company, Elyria, Ohio, a corporation of Ohio
Application February 1, 1945, Serial No. 575,709
3 Claims. (Cl. 64-27)

1. In a coupling having a driving member and a driven member the combination of diametrically oppositely disposed parts carried by the driving member and diametrically oppositely disposed parts carried by the driven member, said parts respectively having rib and channel portions interfitting to permit relative circumferential

motion therebetween while preventing longitudinal motion therebetween, each of said parts having diametrically off-set and axially aligned seat portions, spring spaced members supported in said seat portions, and springs compressed therebetween whereby to resiliently resist any relative circumferential movement between said



parts of said members, said parts when inter-fitted defining circumferentially open spaces therebetween into and from which said last named members and springs may be inserted and removed to and from said seats, said driving and driven members overlying the ends of said spring spaced members when the latter are seated in said seat portions.

2,436,249

DUST PROTECTIVE HOOD

Edmund A. Clement, Malden, Mass.

Application September 8, 1944, Serial No. 553,203
2 Claims. (Cl. 128—141)

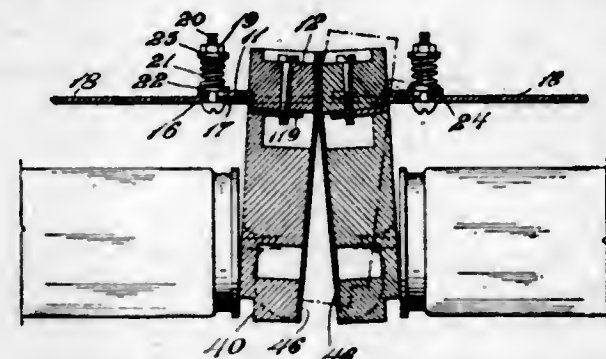
1. A device of the class described comprising a hood of relatively impervious material of sufficient size to enclose the wearer's head, said hood having an opening in the front wall thereof adapted to be opposite the wearer's mouth and chin and of substantial width, the lower marginal edge of said opening being adapted to be engaged by the chin of the wearer and the upper marginal edge thereof being adapted to be opposite the nose, and a bag of flexible pervious material having an open upper end secured about the margin of said opening to said impervious hood, said pervious bag depending downwardly from said impervious hood, and being adapted to drape over in close proximity to the mouth and nose of the wearer and being free to expand and contract under normal breathing of the wearer to dislodge any foreign material therefrom, and means for securing the open end of said impervious hood about the wearer's neck.

2,436,250

TUBULAR LAMP MOUNTINGCharles E. Dansereau, Lakewood, R. I., assignor of one-half to Harry M. Burt, Narragansett, and one-half to Guy H. Burt, Cranston, R. I.
Application March 30, 1944, Serial No. 528,690
6 Claims. (Cl. 173—328)

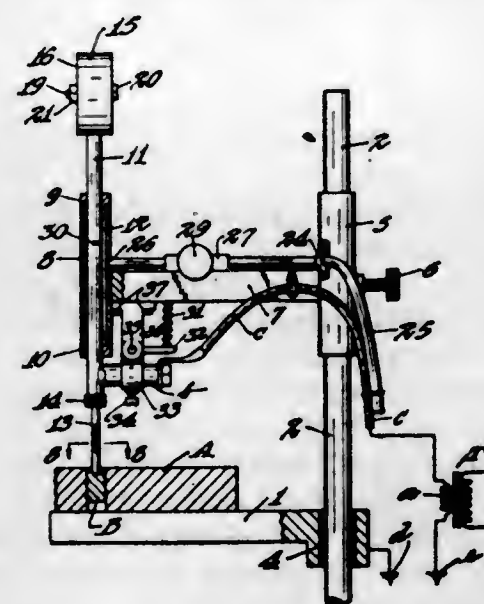
2. A lamp socket for mounting on a support member a lamp having at least one contact pin at each end thereof and which socket is adapted to be mounted with its back in proximate rela-

tionship to a rigid unyielding surface with the front surface of the socket facing the lamp, said socket having at least one recess to receive a pin at one end of the lamp, said recess extending inwardly of said socket from the front surface thereof, a contact member carried by said socket and disposed so as to engage a pin in said recess, means to mount said socket for free pivotal movement on said support member so that said recess can be swung toward and away from said pin, and means to resiliently bias said socket toward said lamp, said recess being remote of the axis of pivotal movement of said socket and



on the side thereof on which the lamp is disposed, a portion of the back surface of the socket being flatly inclined from approximately the plane of the pivotal mounting means to the end of the socket remote from said mounting means in a direction toward the front surface of the socket so that when the socket is in lamp engaging position the back surface thereof from below the pivotal mounting means will be spaced from the rigid unyielding surface and said back surface will approach into proximate relationship with said rigid unyielding surface when the socket moves from lamp engaging to lamp disengaging position.

2,436,251

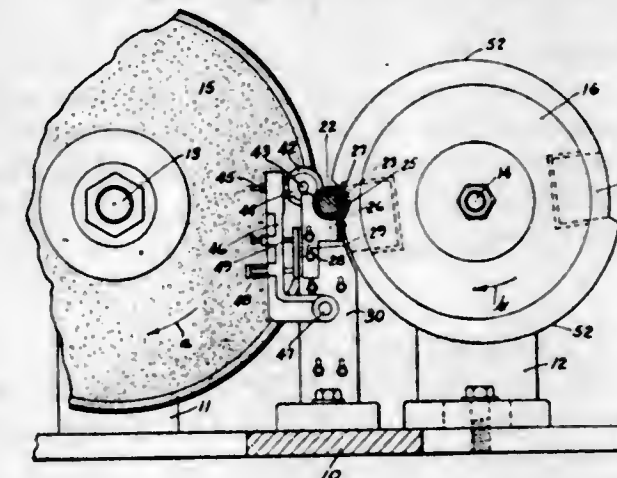
DISINTEGRATOR DRILLING DEVICEEdward J. Dobie and Aloise F. Raymond,
Robbinsdale, Minn.Application April 2, 1945, Serial No. 586,174
2 Claims. (Cl. 219—15)

1. In a drilling machine of the electric arc disintegrator type, a supporting structure, a tool carrying head mounted on the supporting structure for compound rotary and axial reciprocating movements, a tool in the nature of a disintegrating electrode carried by the head, a vibrator weight journaled on said head to produce axial reciprocation of the head upon rotation of the weight, and a fluid pressure motor mounted on said head and driving said vibrator weight, said fluid pressure operated motor having a fluid passage exhausting to atmosphere at a point radially offset from the axis of the head and in a direction to produce rotary motion of the head.

2,436,252

GRINDING APPARATUS AND PROCESS

Lane Duncan, Los Angeles, Calif.

Application January 18, 1946, Serial No. 641,990
5 Claims. (Cl. 51—103)

4. Apparatus for grinding pins, comprising a grinding wheel mounted to rotate rapidly on a fixed axis and having its working face provided with a cylindrical pin shank forming surface and with spaced circumferentially extending pin end roughing and finishing and cut-off ribs, means for supporting a stock bar in a position parallel with said axis and opposite said face, a fixed stop against which the end of the stock bar abuts when it is advanced longitudinally to working position, a work regulating wheel rotatable on an axis parallel to said fixed axis and having an operating cam face lying opposite the working face of the grinding wheel and engaging the stock bar for rotating the latter and feeding it to the grinding wheel transversely to said axis, and yielding means adapted to engage the bar in opposition to said regulating wheel to thereby initiate rotation of the bar prior to its engagement with the grinding wheel, whereby at the advance end of the stock bar during each operation one pin is finished and cut off and a second pin is rough ground.

2,436,253

COMPOSITION COMPRISING A POLYVINYL ACETAL RESIN STABILIZED WITH A BASIC ALKALI METAL COMPOUND AND AN AMINE SALT

Richard D. Dunlop, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 23, 1944,

Serial No. 560,038

14 Claims. (Cl. 260—73)

1. A composition comprising a polyvinyl acetal resin, a solution thereof being alkaline to bromphenol blue as a result of having associated therewith a basic alkali metal compound from the group consisting of alkali metal hydroxides and basic alkali metal salts, and an amount of an amine salt such that there is sufficient combined acid therein to be chemically equivalent to the alkalinity of the resin.

2,436,254

PROCESS AND APPARATUS FOR THE THERMAL CRACKING OF HYDROCARBONS

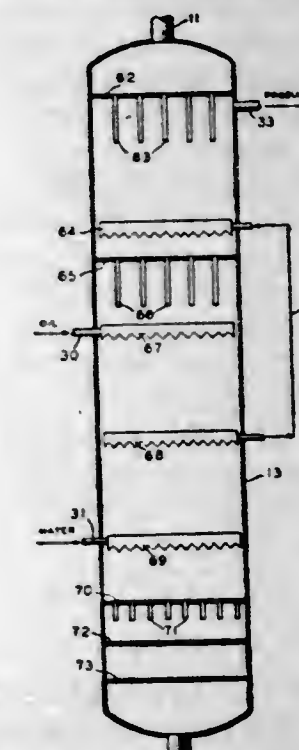
Sylvander C. Eastwood, Woodbury, and Robert D. Drew, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 4, 1946, Serial No. 659,448

3 Claims. (Cl. 196—55)

1. A process for the thermal cracking of hydrocarbons which comprises passing a hot gran-

ular solid downwardly through a contacting zone including a charge preparation section and a high temperature cracking section thereabove, introducing liquid hydrocarbons to the upper part of said charge preparation section to be vaporized and preheated by contact with hot solids from said cracking section, introducing liquid water to the lower part of said charge preparation section to be vaporized and preheated by

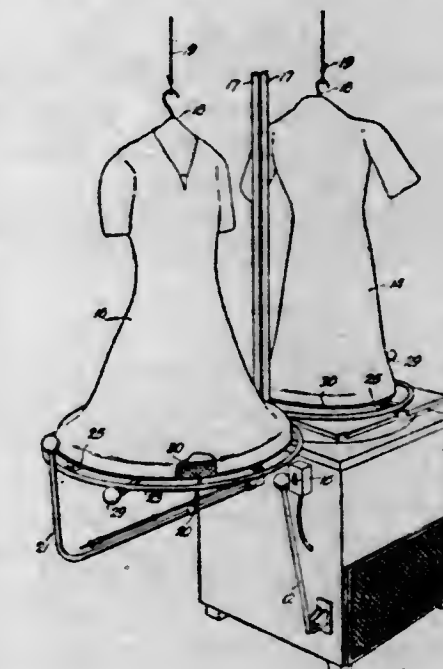


contact with said hot solids, flowing vapors from the upper and lower parts of said charge preparation section to an intermediate part thereof and combining vapors to form a vaporous mixture of hydrocarbon vapor and water vapor, withdrawing said mixture from said charge preparation section and passing said mixture in direct contact with and countercurrent to the downwardly moving hot granular solid in said high temperature cracking section.

2,436,255

HOLDING DEVICE FOR FINISHING MACHINES

William C. Glover, Jr., Kansas City, Mo., assignor to Bill Glover Incorporated, a corporation of Missouri

Application October 3, 1945, Serial No. 620,109
9 Claims. (Cl. 223—70)

1. An expandable holding device for the lower extremity of garments processed in a garment finishing machine comprising a frame having cross members, slides on the cross members, an expandable substantially circular holding strip comprising a plurality of overlapping arcuate sections, each section attached to a different

one of said slides, manually operable means pivoted to the frame and attached to the slides for simultaneously moving the slides along the cross members to increase and decrease the diameter of the holding strip.

2,436,256

PROCESS FOR POLYMERIZING ETHYLENE
William E. Hanford, Easton, Pa., and Paul L. Salzberg, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 21, 1944,
Serial No. 532,208

7 Claims. (Cl. 260—94)

1. A process for preparing ethylene polymers which consists in subjecting ethylene under oxygen-free conditions at a temperature in the range of 100° to 350° C. at a pressure within the range of 200 to 3000 atmospheres to the action of a catalyst containing positive halogen, said catalyst being of the group consisting of hypochlorites and substances which yield hypochlorites on hydrolysis with dilute alkali.

2,436,257

CONVERSION OF HYDROCARBONS

Rowland C. Hansford and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application August 9, 1944,
Serial No. 548,786

3 Claims. (Cl. 196—52)

1. A method for obtaining high yields of hydrocarbons boiling within the gasoline boiling range from a recycle petroleum cracking stock having an A. P. I. gravity of less than about 15°, which comprises contacting a mixture consisting essentially of said recycle petroleum cracking stock and added benzene in amounts varying between about 1/2 to about 2 volumes of added benzene to one volume of said recycle petroleum cracking stock, under conditions of catalytic cracking including a temperature varying between about 800° F. and about 1100° F., with a catalyst promoting cracking under said conditions of catalytic cracking.

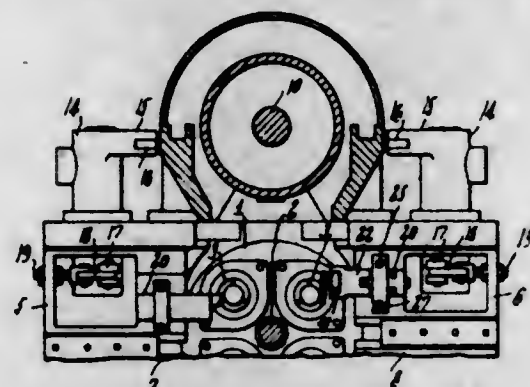
2,436,258

FORM TURNING TOOL MECHANISM

Leslie W. Haynes, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont

Application October 27, 1944, Serial No. 560,677

3 Claims. (Cl. 82—17)



1. The combination with a lathe having a rotary work spindle, a tool carriage movable laterally toward and from work carried by said spindle and means for so moving said carriage, of a block fixed to said carriage, a slideway member pivoted to said block, said member having a

slideway adjustable by the angular adjustment of said member about its pivot in a plane containing the axis of said spindle into or out of parallelism with said axis, means for producing such angular adjustment of said member, a slide movable in said slideway, a tool carried by said slide, an actuating shaft, and driving means actuated by said shaft for moving said carriage and said slide in predetermined coordination to cause said tool to traverse the work in the direction determined by the motion of said slide and the angular adjustment of said member.

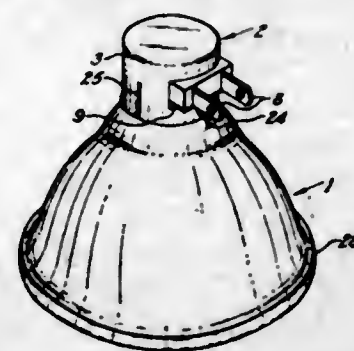
2,436,259

ELECTRIC LAMP BASE

Lawrence R. Keiffer, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application March 8, 1946, Serial No. 652,943

9 Claims. (Cl. 176—32)



1. A projector lamp comprising a bulb having a light concentrating reflector portion with a short neck portion at the apex thereof and a base on said bulb neck comprising a comparatively shallow shell portion having contact prongs projecting therefrom transversely to the axis of said reflector portion to minimize the axial dimensions of said lamp.

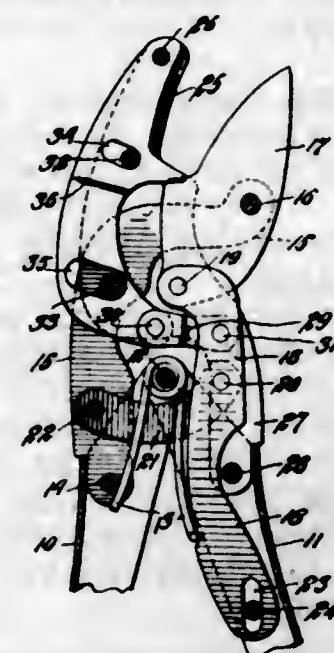
2,436,260

PRUNING SHEARS AND THE LIKE

Karl J. Klenk, Wilmington, Del.

Application June 19, 1945, Serial No. 600,262

5 Claims. (Cl. 30—239)



1. A tool of the character disclosed comprising pivotally connected hand levers, supports extending from said hand levers to the opposite sides of and beyond the pivotal connection between the levers, companion jaw members, one pivoted intermediate its ends on one of said supports and the other pivoted at its outer end on the other of said supports and leverage means actuated by said hand levers and connected with said pivoted jaw members and including a jaw closing lever fulcrumed intermediate its ends to one hand lever,

operatively engaged at its inner end by the other hand lever and pivotally connected at its outer end with the inner ends of the intermediately and end pivoted jaw members.

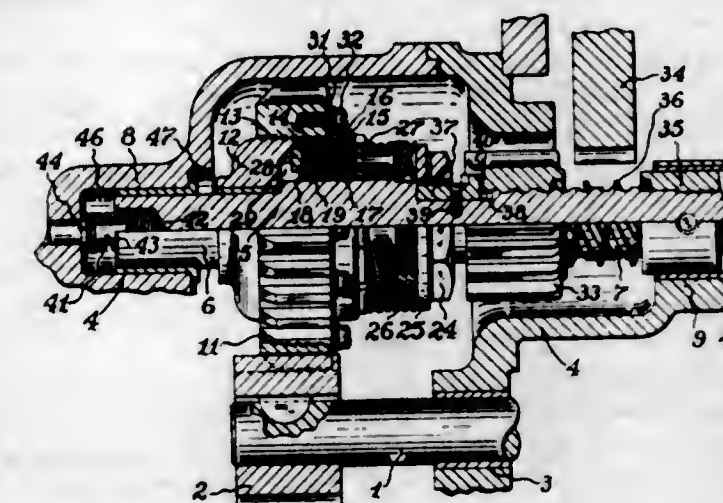
2,436,261

ENGINE STARTER DRIVE

Donald L. Miller, Chemung County, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application October 29, 1945, Serial No. 625,302

3 Claims. (Cl. 74—7)



1. In an engine starter, a power shaft and a pinion fixed thereon, an operating shaft, a hub member journaled on said operating shaft, a gear fixed to said hub member and meshed with said pinion, an overload release coupling within said hub member connecting said hub member and operating shaft, an engine driving member threaded to said operating shaft for traversal into engagement with and rotation of a member of the engine to be started, bearings for the operating shaft permitting limited longitudinal movement thereof, and yielding means for urging the shaft toward the engine member.

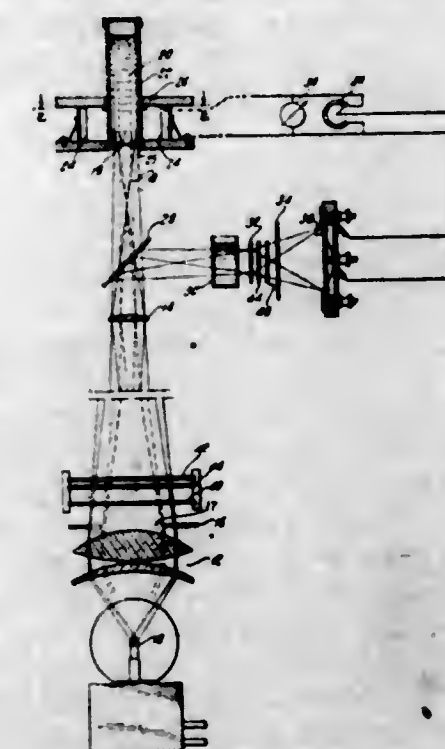
2,436,262

APPARATUS FOR MEASURING TURBIDITY PHOTOELECTRICALLY

Morrow C. Miller, Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application April 29, 1944, Serial No. 533,303

2 Claims. (Cl. 88—14)



1. Apparatus for measuring the turbidity of a liquid which comprises, a source of light, a lens

607 O. G.—34

positioned to collect light rays from said source and form an image of the source, a second lens mounted in the light beam in the plane of said image and projecting an illuminating light beam, a transparent container for said liquid mounted in the path of the illuminating beam projected by said second lens in position to transmit an incident beam of light through a body of said liquid, an apertured diaphragm mounted coaxially across the path of the beam projected by said image forming lens, the aperture size of said diaphragm being adjustable whereby to vary the cross sectional area of the incident beam between a value only slightly less than the cross sectional area of the liquid body in the path of the incident beam and a value representing a small fraction of said area, a transparent deflector plate mounted at an angle in the path of said illuminating light beam, a ground glass plate mounted at the focusing point of light rays deflected by said plate in position to transmit said rays as a comparison beam, means for adjusting the illumination intensity of said comparison beam to a definite proportional relation with respect to the illumination intensity of the incident beam, a photo-electric cell unit mounted in the paths of Tyndall beams emerging from liquid illuminated by the incident beam, a second photo-electric cell disposed in the path of the comparison beam, and a balancing bridge circuit incorporating a galvanometer and a calibrated variable resistance connected with the photo-electric cell units whereby to measure the relative strengths of the currents developed thereby.

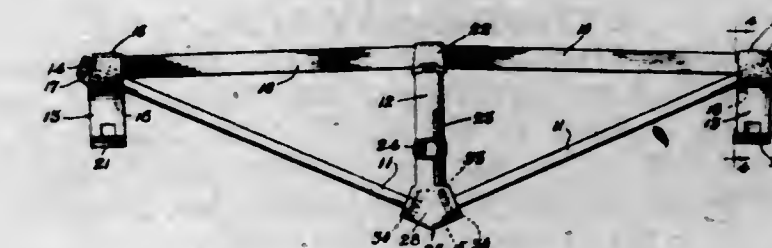
2,436,263

BRAKE BEAM

Carl R. Moline, Homewood, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application April 7, 1945, Serial No. 587,098

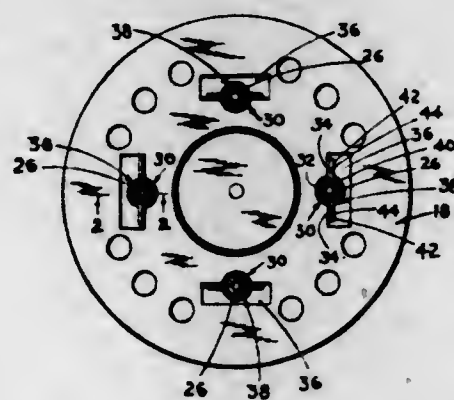
5 Claims. (Cl. 188—228)



1. In a brake beam, a compression member, a brake head on each end of the brake beam engaging an end of the compression member, each of said brake heads having a wall with an opening, a brake beam strut having one end secured to the center of the compression member and having at its other end two walls each provided with an opening facing one of the brake head wall openings, and a tension member extending through each facing pair of openings to connect said strut with said brake heads, respectively, each end of each of said tension members having an integral enlargement thereon to prevent retraction of the tension member through the corresponding opening, at least one of the openings of each of said pairs of openings being non-circular and the adjacent enlargement on the corresponding tension member being non-circular and dimensioned to enter the non-circular opening at one rotary position of the tension member and to engage the wall around the opening at another rotary position of the tension member whereby with flexure of the compression member the tension member may be assembled by insertion through the non-circular opening and subsequent rotation.

2,436,264 ELECTRON GUN FOR CATHODE-RAY TUBES

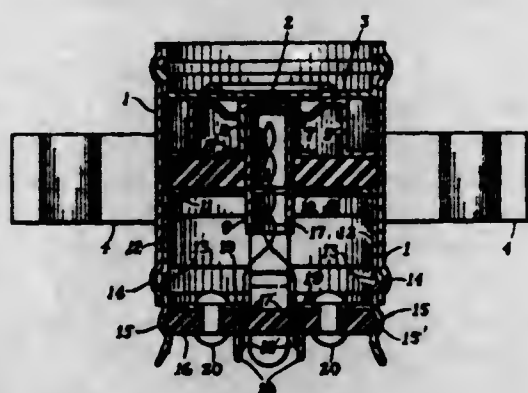
Rudolph O'Larte, Rego Park, and George Vollet, Freeport, N. Y., assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation of New Jersey
Application June 14, 1945, Serial No. 599,330
15 Claims. (Cl. 250-162)



1. In an electron gun comprising a metal disk and a plurality of circumferentially spaced cylindrical insulation rods which extend transversely of the plane of the disk, means for fastening said disk to said rods comprising a plurality of semi-cylindrical collar parts integral with said disk and disposed transversely to the plane thereof, said collar parts being in circumferentially spaced relation on said disk and engaging peripheral surface portions of said rods, respectively, and a plurality of complementary collar parts confronting said first mentioned collar parts, respectively, and engaging peripheral surface portions, respectively, of said rods, said complementary collar parts having portions welded to portions of the companion collar parts, respectively.

2,436,265 CATHODE-RAY TUBE

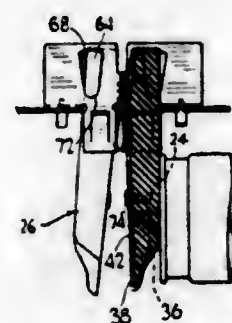
Eric Pohle, Clifton, and Joseph Rutledge and Irving E. Lempert, Upper Montclair, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application July 27, 1945, Serial No. 607,420
2 Claims. (Cl. 250-162)



1. A heater assembly for a cathode-ray tube, which comprises a metal cylinder having annular grooves on the inside thereof near opposite ends thereof, a flanged disc located in said cylinder, the flange of said disc having a curved annular portion fitting in one of said grooves, an annular spacer in contact with said disc, a disc of insulating material in said cylinder in contact with said spacer, a cathode supported by said disc of insulating material, a metal ring having a flanged end in contact with said disc of insulating material, said ring having an annular bend extending into

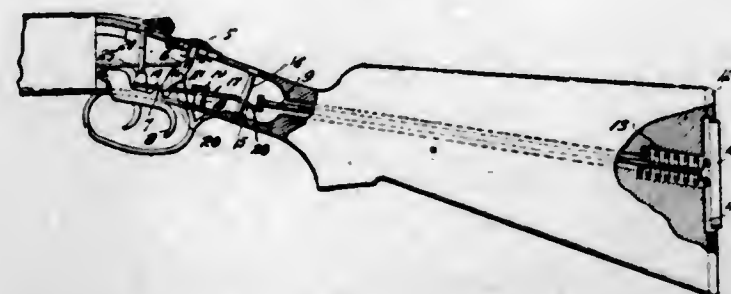
another one of said grooves, said ring having spring fingers that extend beyond the end of said cylinder and having bends therein, a disc of insulating material held in place by the bends in said fingers, and a heater for said cathode supported by said last named disc of insulated material.

2,436,266
LAMP HOLDER FOR TUBULAR LAMPS
Arthur A. Richardson, East Greenwich, R. I., assignor to Harry M. Burt and Guy H. Burt, doing business as The Lloyd Products Company, Providence, R. I.
Application October 1, 1946, Serial No. 700,561
13 Claims. (Cl. 173-328)



4. A lamp holder of the character described for mounting on a support a lamp having at least one contact pin at each end thereof, said lamp holder comprising a body having at least one transverse aperture to receive a pin at one end of the lamp, said aperture extending inwardly of the body from a face thereof, an electrical contact carried by said body and disposed so as to detachably engage a pin in said aperture, and a bracket for swingably mounting the body on the support and resiliently urging the body in such direction that the contact will engage a pin, said bracket including a portion encircling the body, another portion integral with such encircling portion and adapted to be rigidly secured to the support, and still another portion also integral with said encircling portion and bearing resiliently against the body to urge the body in the desired direction.

2,436,267
DOUBLE TRIGGER SAFETY FOR GUNS
Cleveland S. Rogers, Farmingdale, N. J.
Application July 17, 1945, Serial No. 605,478
1 Claim. (Cl. 42-70)

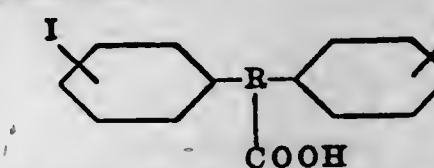


In combination in a gun having a top safety with a thumbpiece on top of the stock arranged to stand in "on" or "off" position, a safety finger within the stock positioned by said thumbpiece and a trigger provided with a safety lug for engagement by said finger in the "on" position of said safety and free of the finger in the "off" position of said safety, a second, supplemental safety for enabling the gun to be safely carried

2,436,269
PREPARATION OF ALPHA, OMEGA-DICARBOXYLIC ACIDS
Samuel L. Scott, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 12, 1944, Serial No. 549,291
8 Claims. (Cl. 260-537)

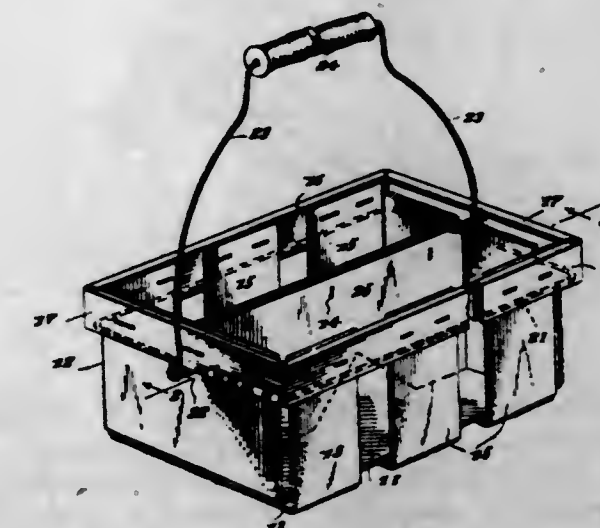
8. A process for the production of alpha, omega-dicarboxylic acids which comprises heating a polymer, prepared by polymerizing ethylene together with carbon monoxide, with an oxidizing agent of the class consisting of nitric acid, and molecular oxygen, at a temperature of at least 50° C., whereby oxidation of the carbon monoxide/ethylene polymer to dibasic acids takes place, and thereafter separating dibasic acid from the resulting product.

2,436,270
POLYIODO DIARYL ALIPHATIC ACIDS AND PROCESS FOR THEIR MANUFACTURE
Erwin Schwenk, Montclair, N. J., and Domenick Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application May 22, 1944, Serial No. 536,834
4 Claims. (Cl. 260-515)
4. Polyiodo diphenyl alkene carboxylic acids of the general formula



and their alkali metal salts, R being a trivalent alkene radical of from 2 to 3 carbon atoms, the iodine atoms being attached directly to nuclear carbons in positions other than the ortho position.

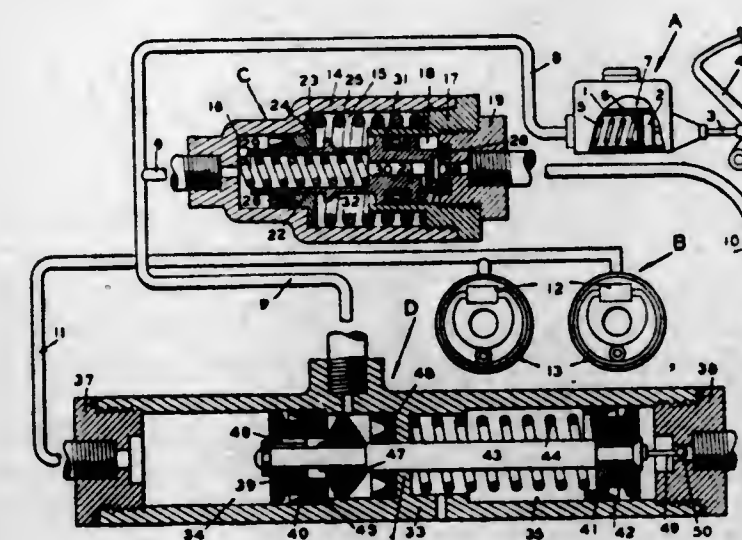
2,436,271
BOTTLE CARRIER
Jack W. Simmons, Tallahassee, Fla.
Application August 16, 1943, Serial No. 498,794
2 Claims. (Cl. 224-45)



1. A portable container comprising a bottom panel of veneer having end portions hinged thereto to form end walls, side wall sections of veneer hinged to said bottom, cleats on the free ends of said end and side walls, said cleats being undercut at their bottom edges, an endless band slidable on and over said walls to seat in the cleat undercuts and retain the walls in upright position, said band having a laterally directed bend at each end thereof, and a lifting bail secured at its ends to said loops.

with said top safety in "off" position and comprising a slide plate confined for limited longitudinal sliding movement in the stock beneath said safety finger and directly above the safety lug of the trigger, said slide plate having a long slot therein in line with said safety finger and through which said safety finger freely projects and is freely operable at all times irrespective of the longitudinal position of said slide plate and whereby said top safety is at all times uninfluenced and unaffected by said supplemental safety, said slide plate further having a transverse bar portion at the forward end of said slot positioned to overlie the safety lug of the trigger in the rearwardly projected position of said slide plate, a push rod extending freely through the gun stock and connected with the rearward end of said slide plate, a shoulder plate connected with the outer end of said push rod, a spring seated in the stock and yieldingly holding said push rod and slide plate in rearwardly projected relation with the bar of the slide plate overstanding the safety lug of the trigger and means guiding and holding said slide plate downward in said safety position over the trigger lug and limiting the rearward projection of the same to position with the shoulder plate projecting for engagement by the shoulder in the firing position of the gun and whereby said supplemental shoulder release safety will automatically keep the gun safe while hunting with the top safety off and said top safety can be set to keep the gun safe at other times when the supplemental safety may be ineffective for that purpose.

2,436,268
FLUID PRESSURE COMPOUNDING SYSTEM
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 2, 1943, Serial No. 493,231
19 Claims. (Cl. 60-54.5)



7. In a pressure fluid system, a manually-controlled source of pressure fluid, a fluid motor to be actuated, a cylinder, a piston therein provided with a passage therethrough, conduit means for connecting the source to the cylinder on one side of the piston, conduit means for connecting the cylinder on the opposite side of the piston to the fluid motor, a movable valve element for closing the piston passage, a fluid motor for closing the valve means and applying pressure to the piston when the valve element is closed, and other valve means operable independently of movement of said valve element for connecting the second fluid motor to the source when the fluid pressure therefrom reaches a predetermined value.

2,436,272

MINERAL OIL COMPOSITION

George H. S. Snyder, Woodbury, Ralph V. White, Pitman, John H. Bishop, Wenonah, and John F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application February 27, 1945,

Serial No. 580,074

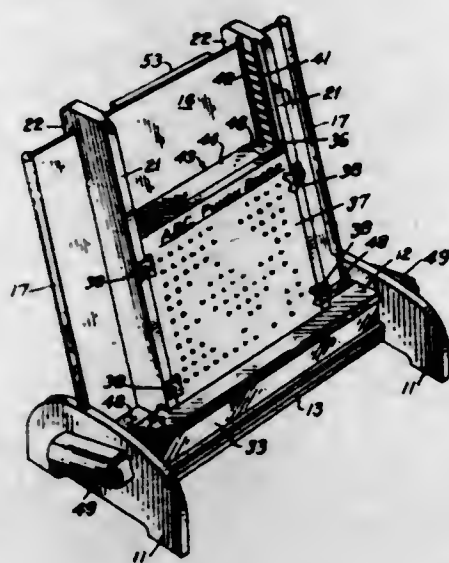
10 Claims. (Cl. 252-56)

1. A mineral oil composition comprising a viscous mineral oil having in admixture therewith a minor proportion, sufficient to impart anti-rusting characteristics to said oil, of an ester product of malic acid selected from the group consisting of: an ester product of malic acid obtained by reacting one molar equivalent of malic acid with from about 0.8 to about 1.6 molar equivalents of a short-chain aliphatic alcohol having from six to eight carbon atoms and with from about 1.2 to about 0.4 molar equivalent of a long-chain aliphatic alcohol having between twelve and about eighteen carbon atoms; and a mixture of esters of malic acid, one of said esters having two short-chain aliphatic groups containing from six to eight carbon atoms substituted for the carboxylic hydrogen atoms of malic acid and said ester being present in the mixture in a molar quantity of from about forty to about eighty per cent, and another of said esters having two long-chain aliphatic groups containing between twelve and about eighteen carbon atoms substituted for the carboxylic hydrogen atoms of malic acid and said ester being present in the mixture in a molar quantity of from about sixty to about twenty per cent.

2,436,273

GAME BOARD HOLDER

Harry Solomon, San Francisco, Calif.
Application April 6, 1945, Serial No. 586,904
4 Claims. (Cl. 273-139)

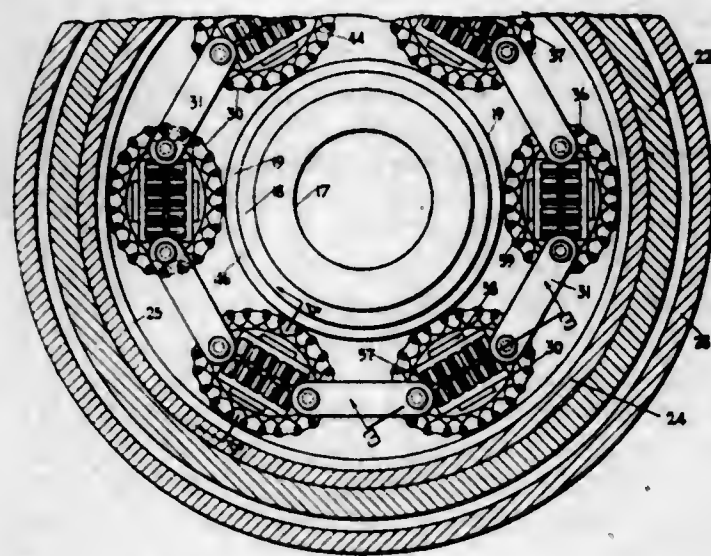


1. A game board holder comprising a backing, laterally adjustable side members, a front spaced forwardly from said backing at the lower part thereof, said side members having means to hold a game board on said front in spaced relation to said backing, said board and front serving as a continuous forward closure for the space defined between said backing and said board and front and between said side members, adjustable means to seal the top of the space defined by said front and backing outside of said side members, adjustable means carried between the side members to seal the top of the space between said backing and the board, a door to seal the bottom of the space defined by said front and backing both between and beyond said side members, and a lock to lock said door.

2,436,274

BEARING

Colin S. Watt, Buffalo, N. Y.
Application September 14, 1946, Serial No. 697,032
16 Claims. (Cl. 308-174)

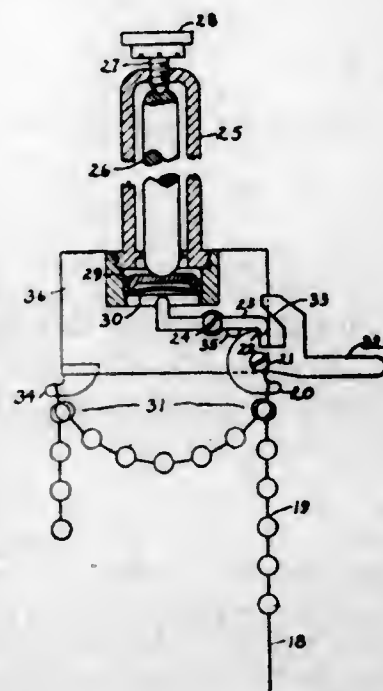


1. A radial bearing between two relatively rotatable members, including an endless chain formed of alternately arranged bearing links and connecting links, said chain being arranged between said relatively rotatable members, each of said bearing links having a series of rollers connected by links and arranged to roll about the periphery of a bearing link, one of said rotatable members having a race formed to contact the rollers at the inner peripheral portions of said bearing links and the other rotatable member having a race formed to contact rollers on the outer peripheral portions of said bearing links, to form a radial bearing between said two parts.

2,436,275

TEMPERATURE CONTROL SYSTEM

Irvin E. Wieggers, Overland, Mo.
Application July 22, 1943, Serial No. 495,964
3 Claims. (Cl. 74-2)

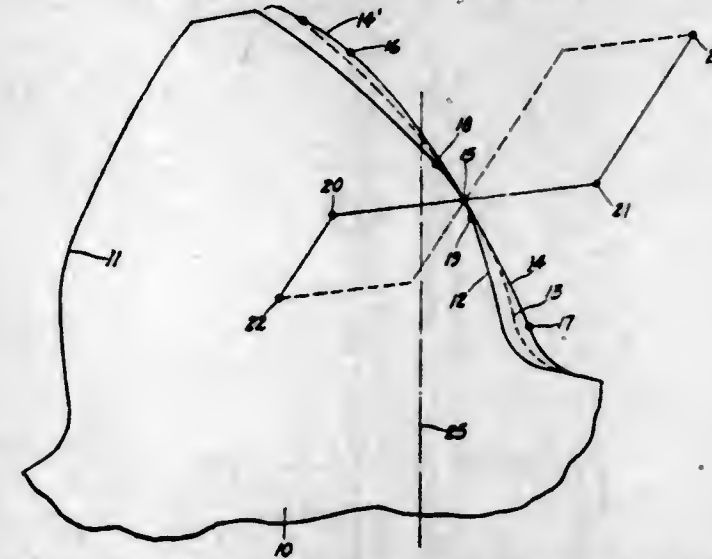


1. A temperature responsive device comprising: temperature responsive means, manually operated means, snap acting means moving in one direction under the influence of the temperature responsive means and moving in the opposite direction under the influence of the manually operated means, latch members arranged to be disengaged by action of the snap acting means moving under the influence of the temperature responsive means.

2,436,276

VARIABLE LEVERAGE GEARING

Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Original application December 31, 1940, Serial No. 372,473. Divided and this application February 13, 1943, Serial No. 475,725. In Great Britain December 31, 1941
19 Claims. (Cl. 74-459.5)

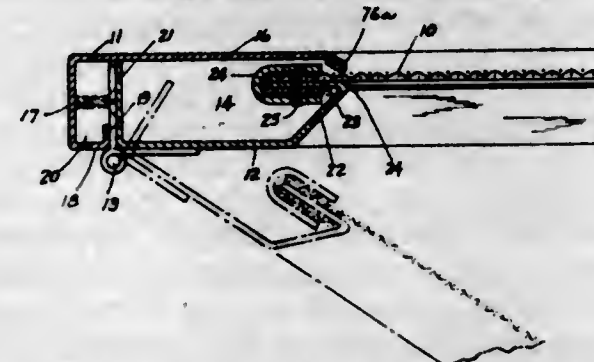


1. A pair of varying-leverage gears, each member of which has tooth profiles that have distinctly different portions of small and large curvature, respectively, the portion of each profile which is of smallest radius of curvature being located near the pitch line of the gear.

2,436,277

PROTECTIVE SCREEN

Leon E. Willett, Detroit, Mich., assignor to Chamberlin Company of America, Detroit, Mich., a corporation of Michigan
Application May 4, 1945, Serial No. 591,983
5 Claims. (Cl. 160-391)



1. A protection screen of the character described, comprising a metal frame having a central opening surrounded by screen supporting members, said members providing an inner chamber having a narrow slot opening toward the center of the frame and a flange extending into said chamber from said slot, and a wire screen panel closing the frame opening and at its edges extending into said chamber alongside of said flange and having its edge portions folded around and embracing the edge of said flange, the folded edge of said panel resisting tension applied to the panel and being self-sustaining in its position embracing the frame flange.

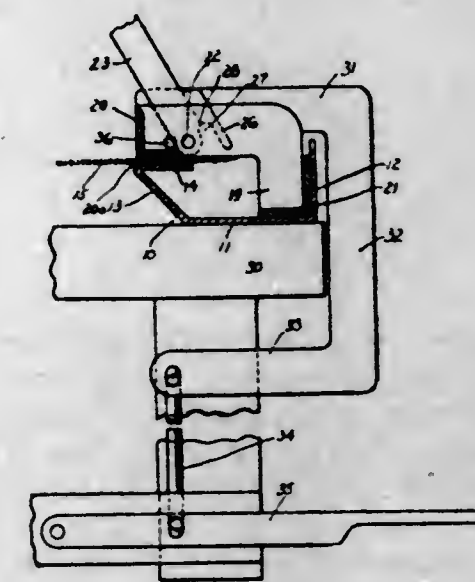
2,436,278

PIVOTED TOOL FOR BENDING THE EDGE OF A PANEL ABOUT A SUPPORTING FLANGE

Leon E. Willett, Detroit, Mich., assignor to Chamberlin Company of America, Detroit, Mich., a corporation of Michigan
Application June 9, 1945, Serial No. 598,510
2 Claims. (Cl. 152-16)

1. Apparatus for assembling a bendable panel with an elongated frame member of hollow chambered form provided with a base which along one edge supports a flange lying in a plane

parallel with the base but spaced therefrom to provide an open cavity, and which along its opposite edge supports a wall lying opposite the open cavity, comprising a support, a presser member mounted thereon and adapted to engage the upper surface of a panel lying upon said flange, an abutment member depending from said support and adapted to extend downwardly into the chamber of the frame and engage its base and wall, and a forming lever pivoted in the support on an axis parallel to and above the

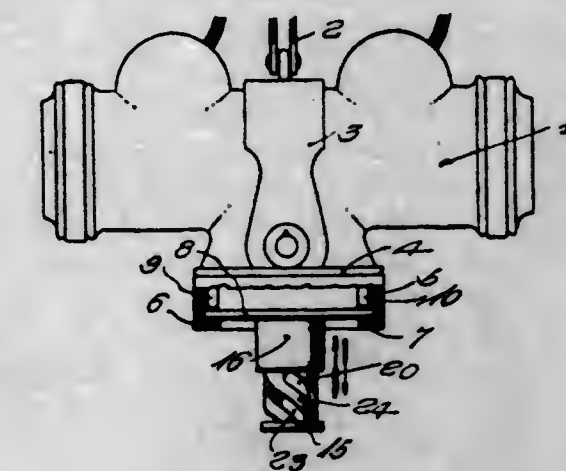


lower surface of the presser member and between said presser and abutment members and provided with a rigid elongated bending foot having a toe portion adapted upon swinging movement of the forming lever foot downwardly between the presser and abutment members to thereby engage an edge portion of the panel and bend the same around the edge of the frame flange and through said opening into said cavity to a position in which it is in close contact with the lower surface of said flange and is concealed from view.

2,436,279

X-RAY APPLICATOR

John Walter Wilson, Inglewood, Calif.
Application August 20, 1946, Serial No. 691,838
7 Claims. (Cl. 250-105)

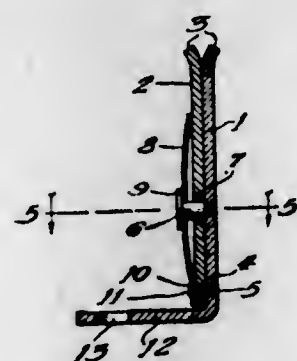


1. An applicator for X-rays comprising a tubular X-ray shield for confining X-rays directed upon a lesion, said shield having the wall thereof provided with spirally arranged apertures to form sighting openings for viewing the lesion and an adjustable collar constituting an X-ray shield for normally covering the sighting openings and longitudinally slidable on said tubular X-ray shield for uncovering the sighting opening for permitting the visual centering of said tubular X-ray shield upon the lesion.

2,436,280

ELECTRICAL TEST CLIP

Clifton C. Wright, Chicago, Ill., assignor to Rapid Specialties Company, a corporation of Illinois
Application December 1, 1944, Serial No. 566,152
3 Claims. (Cl. 173-273)

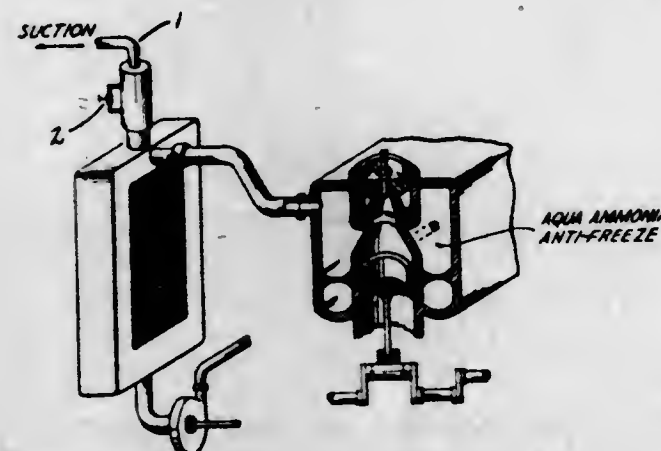


3. A device of the character described, comprising two contact pieces lying flat against each other and flaring away from each other for a short distance inwardly from one end, a projection on one of said pieces at the other end entered loosely in a socket in the second piece to produce a hinge-like connection, a headed stud extending loosely through said second piece between the ends of the device and fixed to the first piece, a bowed leaf spring underneath the head on the stud extending lengthwise of and bearing at its ends on said second piece to hold it yieldingly against the other piece, said spring being turnable to position it crosswise of the contact pieces and having a small hole therein in the vicinity of that end of the second contact piece containing the socket, and said second piece having a short projection entered loosely in said small hole in the spring to hold it normally against turning.

2,436,281

PROCESS FOR COOLING INTERNAL-COMBUSTION ENGINES

Edward P. Bartlett and Hans C. Duus, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 1, 1944, Serial No. 524,646
3 Claims. (Cl. 123-170)

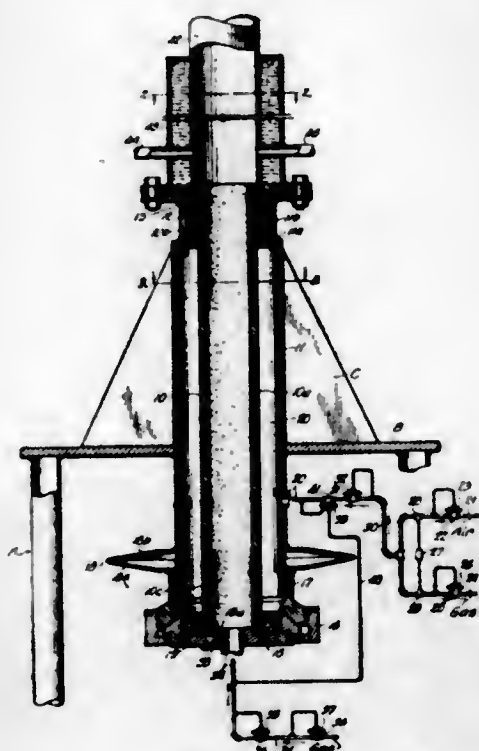


1. A method for preventing corrosion in the cooling systems of internal combustion engines which comprises cooling the said engines by means of a medium consisting of an aqueous medium containing from 10% to 20% by weight of ammonia as a freezing point depressant in a de-aerated, hermetically-sealed cooling system.

2,436,282

SURFACE COMBUSTION CRACKING FURNACE

Edwin O. Bennett, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application March 26, 1943, Serial No. 480,705
5 Claims. (Cl. 23-277)



1. A surface combustion cracking furnace comprising a porous refractory tube providing an interior surface for surface combustion defining a reaction space, a conduit for the supply of hydrocarbon gas to be cracked opening into an end portion of said tube, an outlet from the opposite end portion of said tube, a housing surrounding said tube and spaced therefrom to provide a chamber therebetween, the walls of said housing being otherwise sealed against passage of gas except through said porous refractory tube to the interior of the latter, a gaseous mixture supply conduit opening into said chamber, two branched conduits connected to said gaseous mixture supply conduit for the supply under pressure of air and fuel gas respectively to said supply conduit, means for proportioning the ratio of air to fuel gas passing from said branched conduits to said supply conduit to form a gaseous combustible mixture in the latter in which the amount of oxygen is not in excess of that required for surface combustion of the fuel gas in the said combustible mixture, a pressure regulating valve for controlling the pressure of the said gaseous combustible mixture, an additional flow controlling valve between said pressure regulating valve and said chamber, and regulating means for said flow controlling valve effective to control the flow of gaseous combustible mixture to said chamber in accordance with the pressure of hydrocarbon gas in said first-mentioned conduit, whereby sufficient pressure difference is maintained between said chamber and the interior of said tube to force the said gaseous combustible mixture from said chamber inwardly through the pores of said tube at a velocity greater than that of flame propagation outwardly through the pores of said tube, and the said gaseous combustible mixture burns by surface combustion providing an incandescent lining at the interior surface of said tube while the hydrocarbon gas passes longitudinally through said tube within the incandescent lining and is cracked by the heat of said surface combustion.

2,436,283

BONE

Joseph J. Birl, Philadelphia, Pa.
Application June 14, 1945, Serial No. 599,411
3 Claims. (Cl. 46-191)

1. A bone flattened longitudinally along a portion of one face to reduce the thickness at the

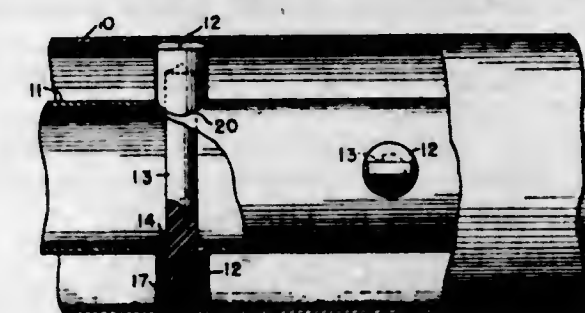


grasping portion, said recess forming a shoulder near the upper end of the bone.

2,436,284

COAXIAL TRANSMISSION LINE

Lewis A. Bondon, Arlington, N. J.
Application December 26, 1946, Serial No. 718,489
5 Claims. (Cl. 174-28)



1. A coaxial transmission line comprising tubular inner and outer conductors and spacing assemblies radially disposed within said outer conductor at predetermined spaced points throughout its length for maintaining said conductors in concentric relation, each of said assemblies comprising a pair of diametrically opposed insulating members press-fitted between the inner surface of the outer conductor and the outer surface of the inner conductor to provide intimate surface contacts between said insulating members and said inner conductor, said members consisting of polytetrafluoroethylene having coaxial recesses formed therein and an elongated insulating member extending diametrically through said inner conductor and having its ends press-fitted into the recesses formed in said first named members.

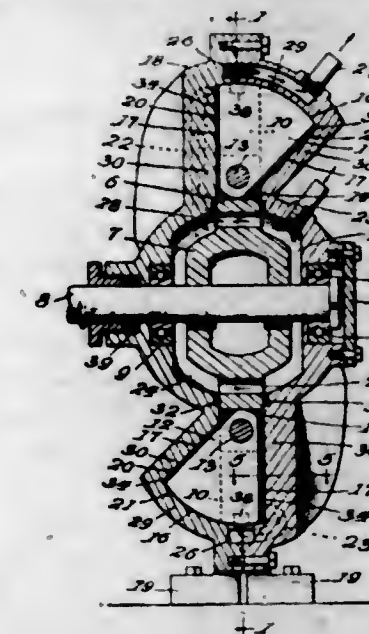
2,436,285

MOTOR OR PUMP

Frank A. Booth, El Segundo, Calif.
Application March 15, 1946, Serial No. 654,737
2 Claims. (Cl. 103-141)

1. A machine of the class described comprising a rotor having radial slots therethrough, a plurality of vanes extending through said slots for movement transversely of the plane of rotation of said rotor, a stator having a circumferentially extending channel in which said vanes travel as said rotor rotates, said channel being of zigzag form to alternately shift each vane from a posi-

tion in which it projects laterally from one side of said rotor to a position in which it projects laterally from the other side of said rotor, said rotor and channel being cooperable in forming two circumferential series of chambers at opposite sides of said rotor, the chambers at one side of said rotor being in staggered relation with those at the other side thereof, each of said chambers being gradually decreased in width from its intermediate portion to its ends, said stator having two fluid-conducting chambers surrounded by the aforesaid circumferentially extending channel and disposed at opposite sides



of said rotor, said stator having a fluid conductor from its exterior to one of said two fluid-conducting chambers, said rotor having fluid-conducting ports placing said two fluid-conducting chambers in communication with each other, said stator having radial fluid-conducting ports placing said fluid-conducting chambers in communication with one end of the chambers of said two circumferential series, said stator having fluid-conducting ports communicating with the other end of said chambers of said two circumferential series, and also having a manifold communicating with the last mentioned ports.

2,436,286

ALKOXY-SUBSTITUTED ESTERS

Richard Ensign Brooks, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 9, 1945, Serial No. 627,779
10 Claims. (Cl. 260-484)

1. A process of making alkoxy-substituted carboxylic acid esters by combining ketene with a compound of the group consisting of symmetrical formals and symmetrical acetals which comprises reacting ketene with a liquid compound of the group consisting of symmetrical formals and symmetrical acetals by passing ketene into the compound of the group.

2,436,287

CONVERSION OF METHANOL TO FORMALDEHYDE

Willis Frank Brondyke, Morgantown, and Joseph Armand Monier, Jr., Charleston, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

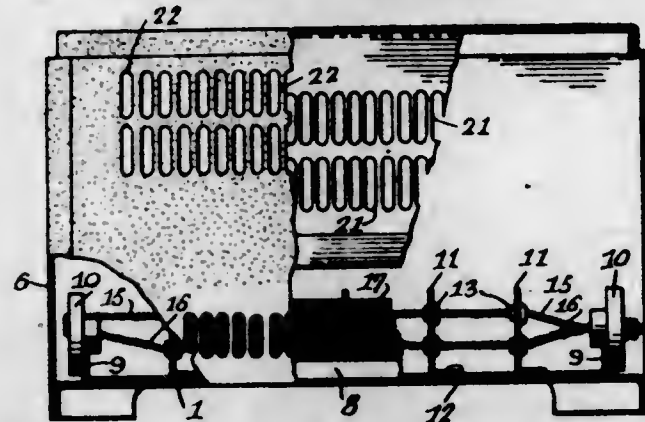
No Drawing. Application April 15, 1943, Serial No. 483,184
17 Claims. (Cl. 260-603)

2. In a process for the production of formaldehyde by the catalytic oxidation of methanol,

the steps which comprise passing methanol and the oxidizing gas into a reaction zone containing an oxide-catalyst, the ratio of gas to methanol being approximately between 7:1 and 14:1, passing the spent gases from the reaction zone through water scrubbers wherein the formaldehyde formed is separated and returning the washed spent gases to the reaction after separating therefrom by purging to the atmosphere a sufficient amount of spent gas to maintain the oxygen concentration of the gas entering the converter prior to the addition of the methanol below 10.9 volume percent.

2,436,288 ELECTRICALLY HEATED CONVECTION RADIATOR

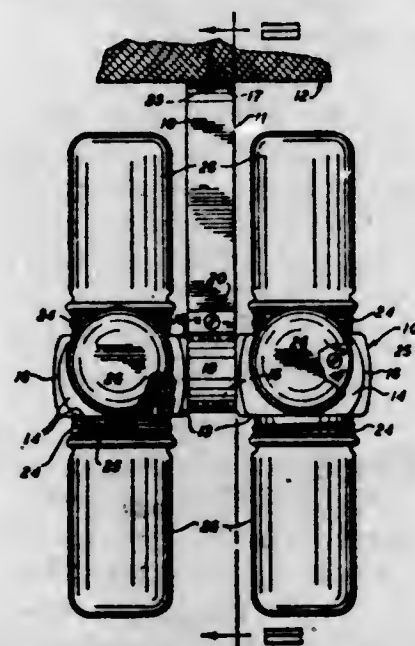
Horace Capra, Montreal, Quebec, Canada
Application April 27, 1946, Serial No. 665,427
In Canada November 29, 1945
4 Claims. (Cl. 219-38)



1. An electric radiator comprising a housing, a pair of spaced insulating members therein, brackets mounted between said members, insulating bushings mounted in said brackets, binding posts on one of said members, resistance elements fastened to one of said posts, threaded through said bushings and the other disk and finally attached to the remaining post, and an angular baffle extending from the forward wall to the top of said housing, said baffle and forward wall being apertured.

2,436,289 PARTS RACK

Thomas L. I. Carlson, Minneapolis, Minn.
Application March 28, 1946, Serial No. 657,860
8 Claims. (Cl. 211-77)

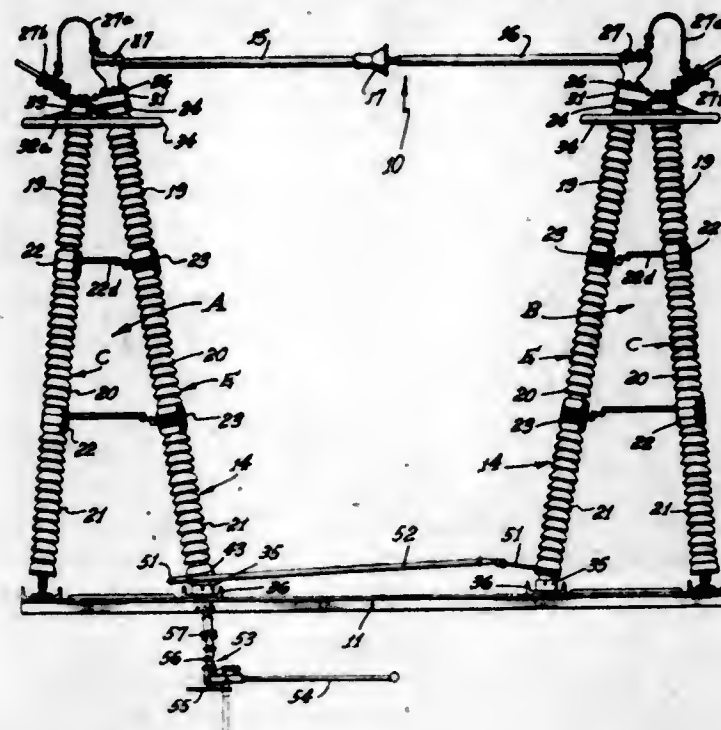


3. In a rack for supporting jars of small parts, the combination including a rotary support having square ends and a rounded center portion, a jar cover secured against each flat surface of the square ends of the members and adapted to threadedly engage and support a jar, a bracket

having a mounting portion adapted to be secured to a rigid support and a portion for rotatably engaging the rounded center portion of the member, and means for adjustably constricting the portion of the bracket engaging the rounded center portion of the member to thereby frictionally hold the member in adjusted positions.

2,436,290 DISCONNECT SWITCH

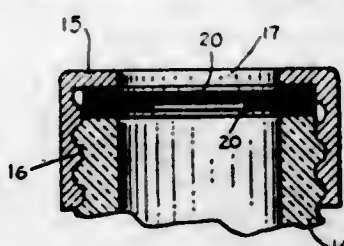
Fred H. Cole, Los Angeles, Calif.
Application May 11, 1943, Serial No. 486,505
2 Claims. (Cl. 200-48)



1. In a device of the character described, a tripodic tower, each leg of said tower being formed of a plurality of connected insulators, two of said legs being held stationary and one being adapted to rotate on its axis, connecting means at the top of said legs and at intermediate points therealong, said means including radial members connected with the legs at the top and each intermediate point therealong, the connections with the rotatable leg forming bearings to permit rotation thereof, and a switch blade connected with said rotatable leg to be operated thereby.

2,436,291 SELF-SEALING CLOSURE FOR CONTAINERS

Lewis H. Daniel, Annapolis, Md.
Application June 25, 1946, Serial No. 679,189
8 Claims. (Cl. 215-43)



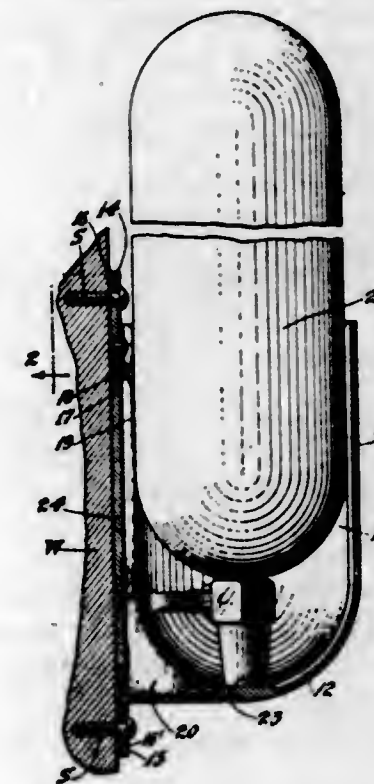
1. Means for squeezing and pointing a pledget comprising superposed closely positioned elastic diaphragms, each diaphragm having a slit and the slits of the different diaphragms being in transverse relation.

2,436,292 CYLINDER HOLDER

Armand De Mott, Ford, N. J., assignor to Amity Manufacturing Corp., Perth Amboy, N. J., a corporation of New Jersey
Application October 2, 1946, Serial No. 700,729
1 Claim. (Cl. 248-311)

A holder for a cylinder having a nozzle, said holder comprising a member of generally U-

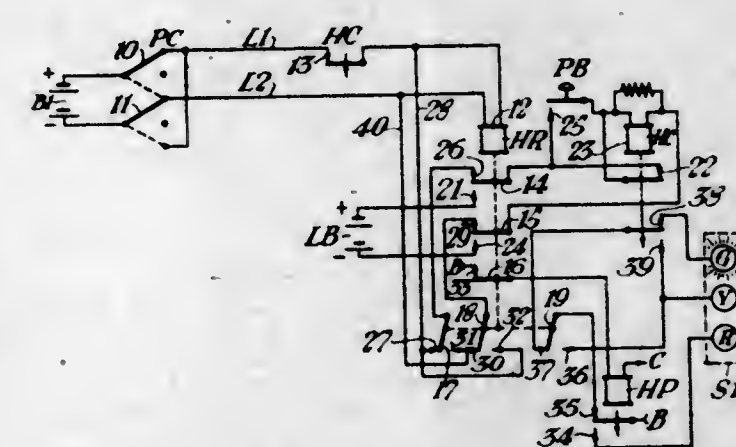
shaped cross-sectional outline having a rounded, closed lower end and an open upper end, a medial boss in the lower end of said holder on which the



nozzle of the cylinder may rest, and spring means secured to the holder and projecting thereinto to hold the cylinder positioned therein tightly on the boss.

2,436,293 ELECTRICAL CONTROL APPARATUS

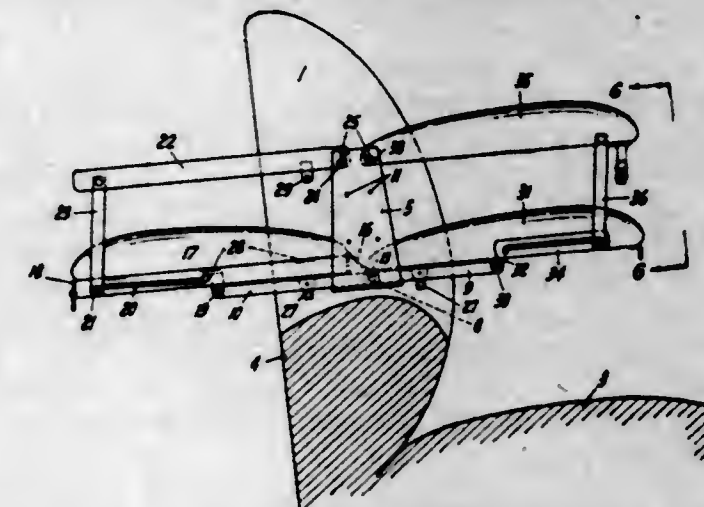
Arthur E. Dodd, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 16, 1945, Serial No. 605,400
12 Claims. (Cl. 177-353)



1. In combination, a control circuit connected to a current source to be supplied with direct current of either positive or negative polarity according as a controller is set at either a first or a second position, a main relay provided with a neutral armature and having a winding connected to said control circuit for energization of the relay by said control circuit current, an auxiliary relay, a pick-up circuit including a back contact of said neutral armature of said main relay and a current source connected to said auxiliary relay to energize that relay at a preselected polarity, a stick circuit including a front contact of said auxiliary relay to connect the auxiliary relay to said control circuit to energize the auxiliary relay by the line circuit current to retain the auxiliary relay energized subsequent to the energizing of the main relay when the control circuit current is of a polarity to energize the auxiliary relay at said preselected polarity, and a controlled device governed jointly by said relays.

2,436,294 INFANT'S CONVERTIBLE BED AND SEAT

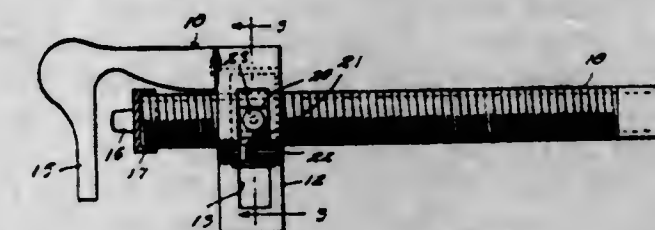
Byrdie Glatstein, Muscatine, Iowa
Application February 16, 1945, Serial No. 578,238
11 Claims. (Cl. 155-132)



2. In a vehicle, a seating arrangement comprising a seat having laterally spaced back sections, each having a supporting framework, brackets secured to said framework, facing each other, said brackets having their longitudinal dimensions extending vertically and the lower ends of the brackets being bent inwardly toward each other to occupy a substantially horizontal position, supporting frames pivotally mounted on said lower ends for swinging movement in a vertical direction, one of them extending forwardly and the other rearwardly from their pivotal connection to the brackets when in lowered position, parts of said lower ends serving as stop means to limit swinging movement of the frames in one direction, seat and bed cushions supported by said frames in a substantially horizontal position, said brackets being provided in their upper end portions with apertures for the reception of supporting pins, arm rests having laterally projecting supporting pins adjacent their normally rear ends, said pins being detachably received in said apertures, said arm rests being adapted to project forwardly from said supporting pins, and supporting means connecting the forward ends of the arm rests with the forward edge portion of the infant's seat, the forwardly extending seat frame, when folded upwardly, carrying the rear portion of the infant's seat upwardly to occupy a position between the edge portions of the laterally spaced back sections whereby to substantially fill out the forward face of the seat back.

2,436,295 RIVET BUCKER TOOL

David N. Goldberg, Wheeling, W. Va.
Application March 21, 1945, Serial No. 583,888
5 Claims. (Cl. 78-53.5)

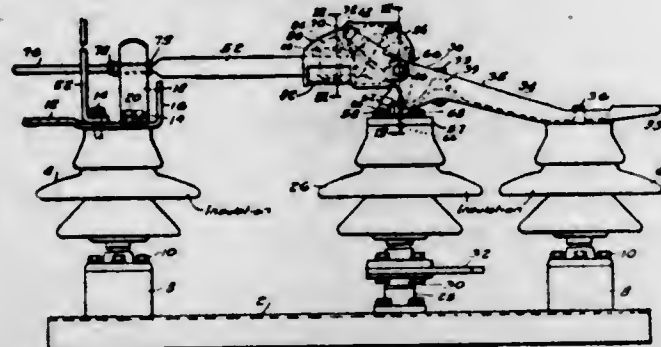


1. A rivet bucker tool comprising a head, including a cross bar, having a leg depending from each end thereof, each of said legs having an elongated slot, said head further including a pair of forwardly extending diverging arms terminating at their forward ends in down turned abutment members adapted to engage one face of a relatively thin piece of work, a pair of blocks extending into the slots of said legs, each of said legs having a pair of aligned bores opening into its slot, and each of said blocks having a plurality

of vertically spaced bores adapted to be registered selectively with the aligned bores of the said leg associated therewith, pins for extension through the registered bores of the legs and blocks, a sleeve extending between said legs transversely thereof and between said blocks, said sleeve having a pair of aligned bores extending therethrough transversely thereof, said blocks having transversely aligned bores adapted to be registered with the aligned bores in said sleeve, a pin for extension through the registered bores in the sleeve and blocks for pivotally connecting the sleeve with said head, a lever extending through said sleeve, a contact member at the forward end of said lever, said sleeve and lever having spaced bores adapted for selective registry with each other, and a pin for extension through registered bores in the sleeve and lever for adjustably connecting them together.

2,436,296 SWITCH

Howard W. Graybill and Paul Olsson, Wilkesburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 11, 1943, Serial No. 513,852
7 Claims. (Cl. 200-48)



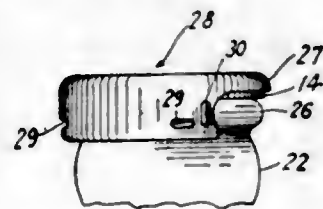
7. A switch, comprising, a switch blade rotatably mounted on substantially its longitudinal axis in bearing means mounted in a blade supporting housing, separate bearing means pivotally mounting said housing on a line terminal for movement of said blade to and away from a position in proximity with another line terminal spaced from the first-mentioned terminal, actuating means operable in a circuit-opening operation to first rotate said blade about said longitudinal axis out of high-pressure engagement with said other line terminal and to thereafter pivotally move said blade to a position spaced away from said other line terminal, means for conducting current from said one terminal to said blade at least in the closed circuit position of said switch, comprising separable contacts on said blade and on said pivotally mounted housing, respectively, positioned to be moved into and out of high-pressure engagement by rotation of said blade relative to said support into and out of high-pressure engagement with said other line terminal, said contacts being located in said housing so as to be completely enclosed at all positions of said switch, and contacting portions on said one terminal and said housing, respectively, arranged so as to be in engagement at all positions of said switch, whereby said current conducting means has no current carrying contact parts exposed to the weather at any position of said switch.

2,436,297 BOTTLE CAP

Vincent Guarnaschelli, Corona, N. Y.
Application July 25, 1944, Serial No. 546,464
1 Claim. (Cl. 215-38)

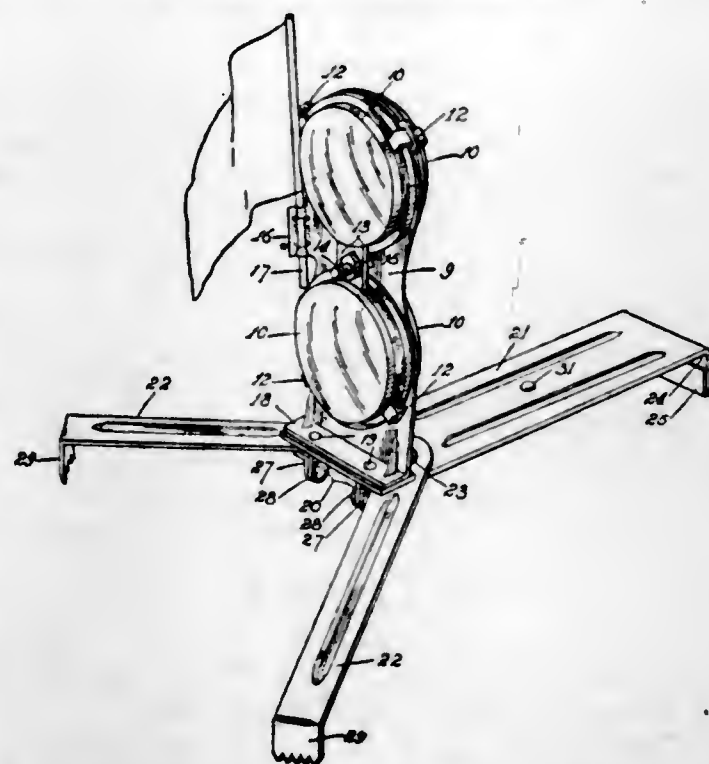
A bottle cap for a bottle having an annular bead at its mouth, comprising a substantially disc-like

member adapted to cover the mouth of the bottle, said member having a depending peripheral flange extending from the peripheral edge thereof, said flange having a cut-out at the front of the cap of a size which is adapted to receive said bead, said flange having circumferentially spaced inwardly extending and somewhat elongated projections in the sides thereof, said projections lying in a common plane parallel with the plane of said periph-



eral edge of said member, said projections tapering in a forward direction, said flange having an additional inwardly extending projection in the rear thereof lying in the said common plane, said projections being adapted to engage the underside of said bead to clamp said cap on said mouth, said flange having inwardly extending indentations in the sides thereof thereby providing finger grip recesses for said cap.

2,436,298
TRIPOD SUPPORT FOR SIGNAL FLARES
Ralph R. Gunderson, Chicago, Ill., assignor to
Clo K. Gunderson
Application January 11, 1947, Serial No. 721,571
4 Claims. (Cl. 248-33)



1. A tripod support for a signal flare, comprising: a primary leg; a signal frame hinged to one end of said leg so that said frame may be swung from upright signaling position to reclining position adjacent to the leg; and a pair of auxiliary legs pivoted to the primary leg and adapted to be turned from retracted position with respect to said primary leg to an extended position between a base portion of the signal frame and the primary leg so as to lock said frame in upright signaling position.

2,436,299 STORAGE BATTERY PLATE PASTE EXPANDER

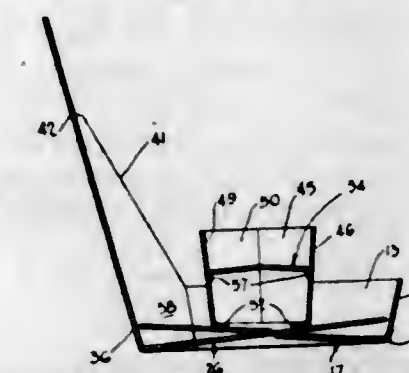
Alva L. Hindall, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application July 31, 1947,
Serial No. 765,260
6 Claims. (Cl. 136-26)

1. A negative plate paste for use in a lead storage battery including an expander for improv-

ing the cold discharge rate, cycling life and endurance of the battery, said expander comprising in combination; red oak sawdust 20 parts, carbon black 10 parts, sodium hydroxide 8 parts, barium hydroxide 21 parts, waste sulfite liquor 41 parts, said ingredients being reacted, dried and comminuted and mixed with the negative plate paste in quantities of from .2% to 2% by weight of the plate paste.

2,436,300 COLLAPSIBLE CARDBOARD COUNTER BASKET

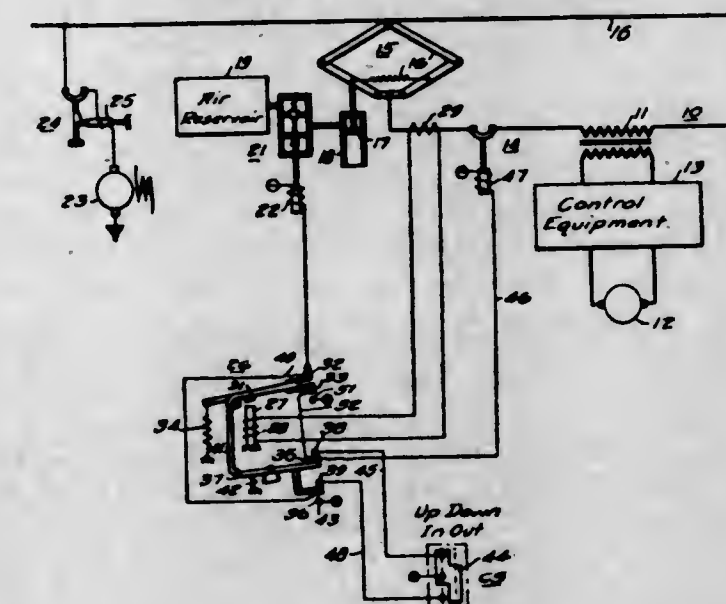
John V. Horr, North Tarrytown, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application February 7, 1947, Serial No. 727,147
10 Claims. (Cl. 229-41)



1. In a collapsible cardboard counter basket, a peripheral wall comprising hingedly connected areas including a pair of opposed areas, a bottom wall comprising a pair of interlocked panels hinged to said opposed areas respectively, and a secondary collapsible structure articulated to said panels and controlled thereby.

2,436,301 PANTOGRAPH AND MOTOR CONTROL SYSTEM

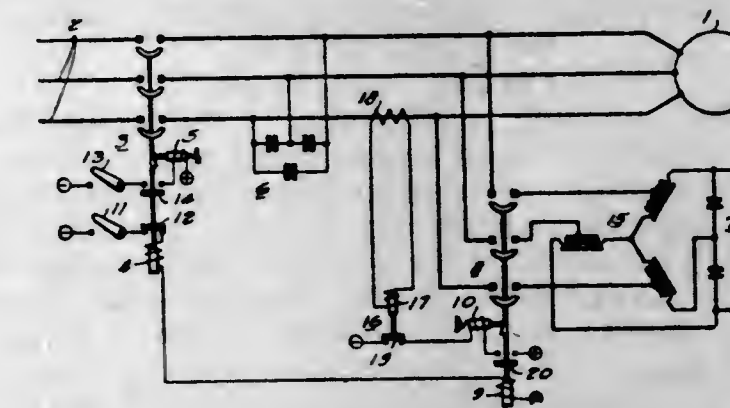
William M. Hutchison, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 18, 1944, Serial No. 527,127
2 Claims. (Cl. 191-8)



1. In a system for controlling the operation of an electric vehicle having a pantograph collector for engaging a trolley conductor, in combination, a load circuit, a circuit breaker for connecting the load circuit to the pantograph, means for lowering the pantograph, manually operable means for normally controlling the operation of said circuit breaker and said pantograph-lowering means, and relay means responsive to the current in said load circuit and having contact members thereon operable in sequential relation for controlling the operation of said circuit

breaker and said pantograph-lowering means independently of said manually operable means, the control for the circuit breaker being transferred from one set of said relay contact members to another during the operation of the relay.

2,436,302
ALTERNATING CURRENT MOTOR START-
ING BY MEANS OF CAPACITORS
Merritt A. Hyde and Ralph E. Marbury, Wilkesburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 24, 1943, Serial No. 515,522
2 Claims. (Cl. 318-200)



2. A system for facilitating the starting of electric motors on lines of limited capacity, said system comprising means for connecting a motor to a line, a capacitor bank having constant reactance such that the leading current drawn by the capacitor bank when connected to the line neutralizes at least a major part of the lagging component of the motor starting current, saturable iron-core inductance means connected in parallel with said capacitor bank, said inductance means being adapted to saturate at substantially the normal line voltage, and being adapted, when saturated, to draw a lagging current which substantially neutralizes the leading current of the capacitor bank, means for connecting the capacitor bank and inductance means to the line substantially simultaneously with connection of the motor to the line, and current-responsive means for disconnecting the capacitor bank and inductance means from the line when the motor current has fallen to substantially its normal running value.

2,436,303
CIGARETTE SNUFFER
Arthur Jenni, Twain-Harte, Calif., assignor of one-half to James C. McCandless, San Francisco, Calif.
Application October 7, 1946, Serial No. 701,660
1 Claim. (Cl. 131-256)



In a cigarette extinguisher of the snuffer-type, an open-ended tube of fire-proof material adapted to receive and temporarily pocket the ignited end of a disposable cigarette butt, a bracket comprising a horizontal plate of a size to substantially close one end of said tube, said plate being pro-

vided with vertical marginally arranged resilient retention and gripping fingers whereby to permit said tube to be snapped in place against the plate and held by said fingers, the plate and tube then forming, in temporary combination, an ignited cigarette snuffing receptacle, said tube being withdrawable from the fingers in order to permit the extinguished butt to be dislodged into a receiver or the like.

2,436,304

METHOD OF PREPARING BASE MEMBERS FOR DYEING

Oscar Kenneth Johansson, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application June 11, 1943,

Serial No. 490,515

9 Claims. (Cl. 8—8)

1. The method of coating a siliceous base member which comprises priming the surface of the base member with an invisible film comprising a hydrolyzable organo-silicane, heating the primed base member at a temperature below the decomposition point of the silicane, and thereafter applying to the primed surface a basic organic dye, said organo-silicane containing organic radicals attached to silicon through carbon-silicon linkages and readily hydrolyzable radicals attached directly to silicon and consisting of halogens.

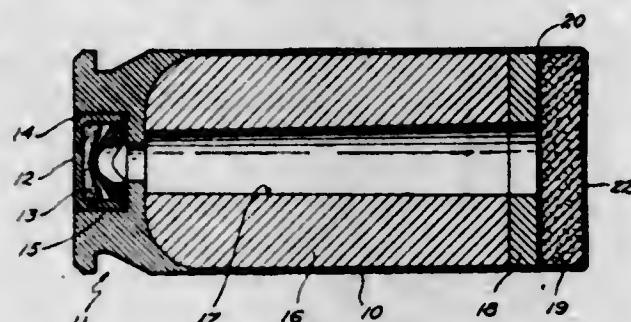
2,436,305

AMMUNITION

Theodore B. Johnson, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application February 3, 1944, Serial No. 520,870

1 Claim. (Cl. 102—39)



A cartridge for producing a sustained flame comprising a case having a hollow main charge, a hollow secondary charge in front of the said main charge to ignite the latter, the rate of combustion of said main charge being substantially equal to the rate of combustion of said secondary charge, a wad held in said case on top of said secondary charge, a coating of a nitrocellulose paste on said wad in contact with said secondary charge, and a percussion responsive primer in said cartridge in proximity to said main charge and arranged to project a flame through said hollow main charge and said hollow secondary charge to ignite a small area only of said paste, said primer comprising a slow burning composition to provide ignition of said paste without dispersion of said main and secondary charges.

2,436,306

CORONA ELIMINATION IN GENERATOR END WINDINGS

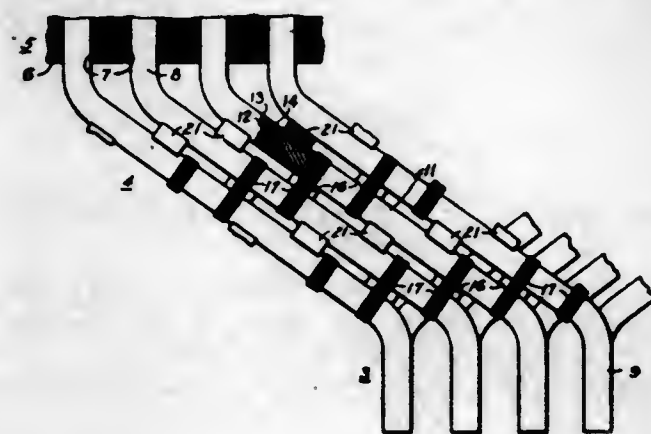
John S. Johnson, Wilkesburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 16, 1945, Serial No. 599,834

4 Claims. (Cl. 174—73)

1. A high-voltage electric apparatus comprising a plurality of closely spaced insulated con-

ductors, said conductors having gaseous spaces between them, and being subject, at times, to such high voltage-differences between them that corona-preventive measures are necessary, said conductors being covered by insulating inner layers, and at least the outer exposed portions of



said insulating layers being covered by semiconducting outer layers, in combination with one or more compressible resilient semiconducting blocks held in compression between the semiconducting outer layers of one or more pairs of such conductors and held in place by their own resilience.

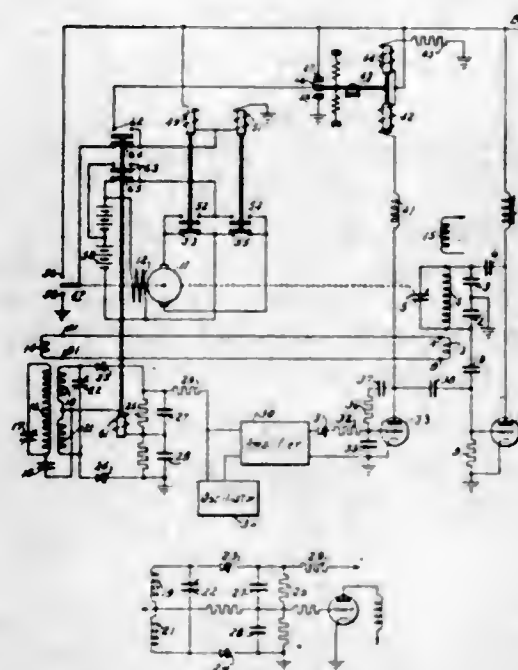
2,436,307

ELECTRIC CIRCUIT REGULATOR

Theodore P. Kinn and David R. Tashjian, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 17, 1945, Serial No. 583,292

3 Claims. (Cl. 250—36)



2. In combination with an oscillation generator, a tank circuit therefor having an adjustable reactance, a motor for adjusting said reactance, a discriminator having an output voltage of one polarity when the frequency of said tank circuit departs from the resonant frequency of said discriminator in one sense and the voltage of the opposite polarity when the resonant frequency of said tank circuit departs from the resonant frequency of said discriminator in the opposite sense, means responsive to the output voltage of said discriminator for rotating said motor in a direction corresponding to the polarity of said output voltage when the departure of said tank circuit frequency from the resonance frequency of said discriminator is below a predetermined magnitude, and means for transferring the control of the direction of rotation of said motor to a limit switch operated by said variable reactance when said departure is greater than said predetermined magnitude.

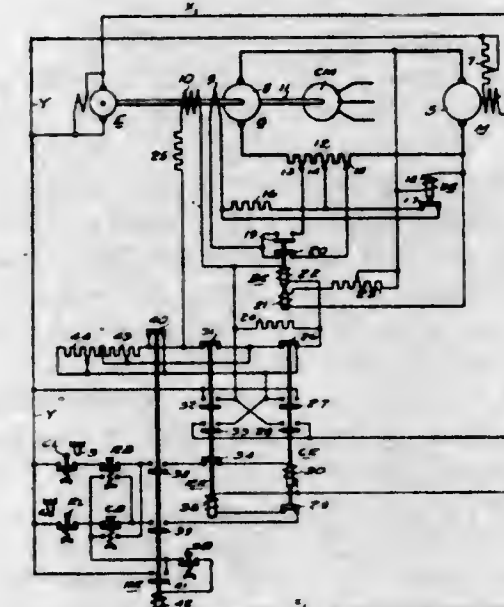
2,436,308

CONTROLLER

George E. King, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 19, 1945, Serial No. 623,371

8 Claims. (Cl. 318—140)



8. A variable voltage drive for reciprocating the platen of planers, comprising a platen drive motor, a generator having an armature circuit connected to said motor for providing variable voltage therefor and having a separately excited field winding and a current-responsive field winding for jointly controlling said voltage, a control circuit connected to said separately excited field winding for controlling its excitation and having reversing contactors for selectively controlling the polarity of said excitation so as to determine the running direction of said motor, two limit contacts operable by the platen at the respective ends of its reciprocating travel and connected with said contactors for controlling them to reverse said motor, current measuring impedance means disposed in said armature circuit and connected with said current-responsive field winding to control the excitation of the latter, a double-throw contactor having movable contacts interposed between said current-responsive field winding and said impedance means for reversing the polarity of connection of said latter field winding relative to said impedance means and being biased toward a contact position in which said two field windings act cumulatively under motoring conditions of said motor, said contactor having two differentially acting control coils for moving said contacts in opposite directions respectively, each coil being rated for retaining when fully energized said contacts in the apertaining position against the action of the other coil when the latter is subsequently energized, the coil for moving said contacts in their bias direction being connected with said control circuit to be energized in dependence upon the excitation of said separately excited field winding, and the other coil being connected across said armature circuit to be energized in dependence upon the voltage conditions of said circuit, whereby said contactor is caused to temporarily reverse said polarity during regenerative periods of said motor in order to maintain said field windings in cumulative condition substantially during said periods.

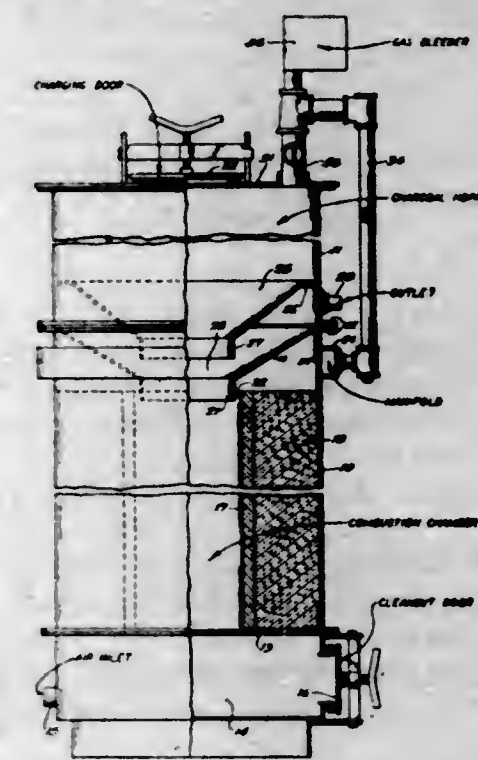
2,436,309

GAS GENERATOR

Norbert K. Koebel, Oak Park, Ill., assignor to Lindberg Engineering Company, Chicago, Ill., a corporation of Illinois

Application September 21, 1942, Serial No. 459,153

5 Claims. (Cl. 23—281)



1. A gas generator for heat treating furnaces and the like comprising a vertical casing having an air inlet chamber in its lower portion, a vertical tubular member of smaller diameter than the casing above the air inlet chamber forming a combustion chamber, sealing means around said member sealing it in the casing, an inverted conical baffle secured in the casing above the sealing means and spaced from the tubular member to form an outlet opening to the space below the baffle, said baffle having a central opening therein, a second inverted conical baffle above and spaced from the first baffle having a central opening therein, an outlet conduit communicating with the space between the baffles, and an outlet conduit communicating with the space below the first baffle.

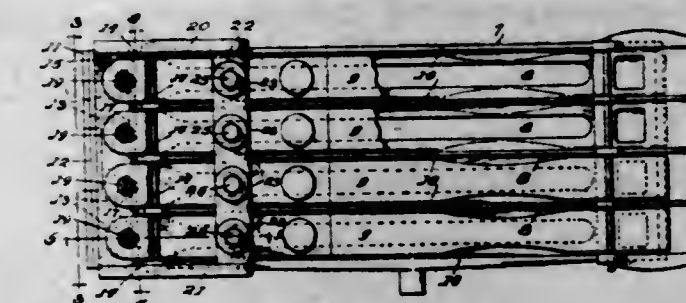
2,436,310

SHUTTLE CHECK

Napoleon Lamarche, Lowell, Mass.

Application December 30, 1946, Serial No. 719,265

2 Claims. (Cl. 139—185)



1. In combination with a shuttle box and a shuttle check at the front side thereof, said check having a forwardly offset outer end spaced in front of the outer end of said shuttle box; a vertical attaching bar spaced behind said forwardly offset outer end of said check, means securing said attaching bar against the front side of said shuttle box, an upper arm integral with the upper end of said attaching bar and disposed over said forwardly offset outer end of said check, a lower arm integral with the lower end of said attaching bar and disposed under said forwardly offset outer end of said check, said upper and lower arms being spaced apart to receive said shuttle box.

lower arms extending inwardly from said attaching bar toward the inner end of said shuttle box, a vertical bridge bar extending between the inner ends of said upper and lower arms and integrally joined thereto, said bridge bar being inwardly spaced from said forwardly offset outer end of said check and being forwardly spaced from the adjacent portion of said check, said bridge bar having a rearwardly open socket in front of said check, a spring seated in said socket and abutting the front side of said check, and an adjusting device for said spring threaded through the front end of said socket.

2,436,311

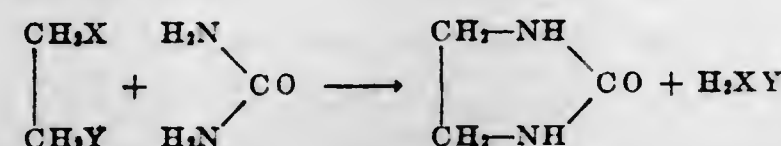
PREPARATION OF N,N'ETHYLENEUREA

Alfred T. Larson, Donald J. Loder, and Harry R. Dittmar, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

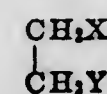
No Drawing. Application March 1, 1944,
Serial No. 524,524

10 Claims. (Cl. 260—309)

1. A process for the preparation of ethyleneurea which comprises subjecting urea at a pressure from 10 atmospheres upward to a reaction with a substituted ethane as illustrated by the equation:



in which

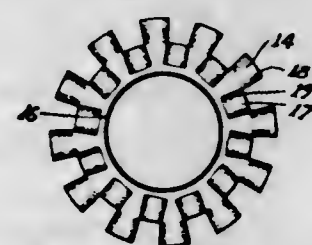


is of the group consisting of ethylene glycol, ethylene diamine, ethanol amine, ethylene chlorohydrin, ethylene dichloride, ethylene oxide and ethylene carbonate until an addition product is obtained, thereafter subjecting that product to a temperature from 200° C. to below the decomposition temperature of the ethyleneurea and finally separating ethyleneurea from the final reaction product.

2,436,312

CLOSURE DEVICE AND METHOD OF MAKING SAME

Isadore Lawrence Lesavoy, Allentown, Pa.
Application August 24, 1945, Serial No. 612,373
10 Claims. (Cl. 215—38)

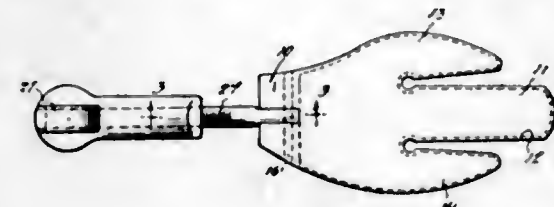


10. A circular blank for forming into a skirted type cap for containers provided at spaced points about its periphery with radially extending slits, alternate peripheral portions between said slits being folded back to overlie contiguous portions of the blank, presenting a serrated periphery, marginal portions of the obverse side of the unfolded peripheral portions and of the reverse side of the folded-back flaps being coated with a self-cohesive substance, whereby the said blanks may be stacked without adhering to the underside of overlying blanks.

2,436,313

SHOE TREE

Isadore Lawrence Lesavoy, Allentown, Pa.
Application November 10, 1945, Serial No. 627,888
5 Claims. (Cl. 12—128.6)

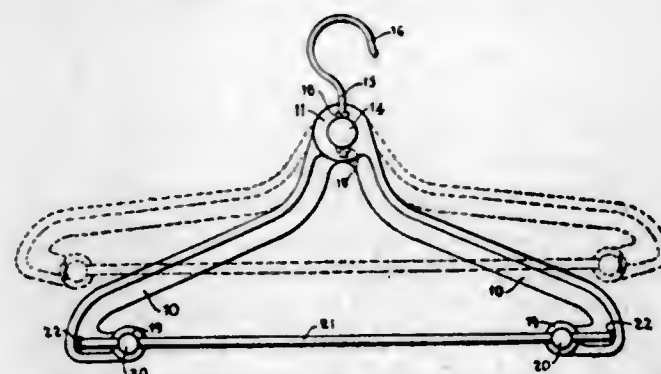


1. A shoe tree comprising a body portion adapted to fit the forward part of a shoe constituted of a relatively thin wall of resilient material shaped as an open-bottom shell, the upper surface thereof sloping forwardly towards the forward end of the shell body and laterally to define the sides thereof, said shell body bulging laterally along its said sides and having a pair of slots extending forwardly from a substantially medial point thereof to form a central finger portion and a pair of lateral finger portions, said bulging sides of the shell body and slots intersecting at the tapered ends of the lateral finger portions, said central finger portion extending forwardly beyond the said tapered ends of the lateral finger portions, said lateral finger portions being flexed inwardly, and said central finger portion being flexed downwardly, by the shoe about their respective junctures with the main body of the shell.

2,436,314

GARMENT HANGER

Isadore Lawrence Lesavoy, Allentown, Pa.
Application November 10, 1945, Serial No. 627,889
8 Claims. (Cl. 223—89)

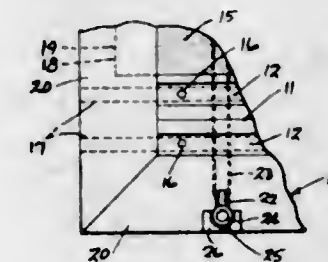


1. A garment hanger of the class described comprising a pair of arms each having at its lower end an inwardly directed, substantial horizontal portion, a large circular boss at the upper terminal of each arm and a small circular boss at the inner terminal of the said inwardly directed portions, the said upper boss of one of said pair of arms being disposed to one side of a central longitudinal plane through the hanger and the upper boss of the other arm being disposed to the other side thereof, the facing sides of the upper bosses being in contact at the said longitudinal plane, the said arms tapering from their respective upper bosses to a widened portion at the juncture of said straight and inwardly directed portions, the said inner bosses of the two arms being disposed at the said longitudinal plane and the said inwardly directed portions tapering from their respective widened portions towards the inner bosses, said upper bosses being pivotally articulated together, a stud rotatively mounted in each of said inner bosses, each of said studs having a pair of apertures, and a pair of rods slidably mounted between aligned apertures of the opposite studs.

2,436,315

DOOR MAT WITH SCRAPER AND REMOVABLE BRUSH

Gustavo Del Peschio Liberatore, New York, N. Y.
Application January 23, 1946, Serial No. 642,838
2 Claims. (Cl. 15—112)



1. A removable brush door mat, comprising a flexible sheet-like mat body having flexible beveled edge portions along its sides and ends, a plurality of interspersed scraper rib portions and water drain grooves to the sides of said scraper rib portions and brush receiving troughs set below the tops of said scraper rib portions and the tops of said scraper rib portions being substantially level with the tops of said beveled edge portions, said mat body also having drain apertures at points along said drain grooves and bottom drain grooves in its bottom face connected with said drain apertures, brushes mounted in said troughs, rods engaging through apertures in said flexible mat body and transversely through apertures in said brushes, said rods being provided with heads, and bosses upon said flexible beveled edge portions beneath said heads and having limiting recesses receiving said heads, whereby when said edge portions are flexed said limiting recesses are moved clear of said heads and said rods are free to be withdrawn.

2,436,316

BRIGHT ALLOY PLATING

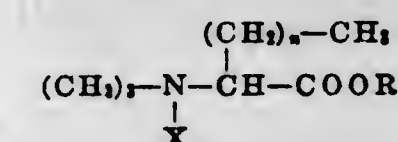
John C. Lum, Union, and George W. Jernstedt, Belleville, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application April 25, 1946,

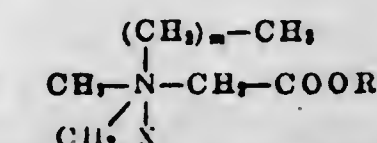
Serial No. 664,999

2 Claims. (Cl. 204—44)

1. An alloy electroplating process which comprises electrolyzing an aqueous alkaline cyanide electrolyte containing from 0.01 to 5 ounces per gallon of at least one water soluble, surface active quaternary ammonium compound selected from the group consisting of compounds having the formulae:



and

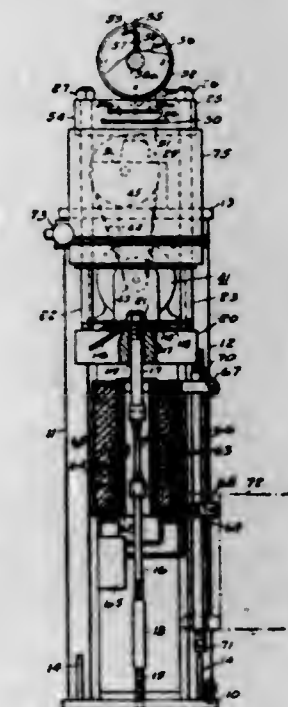


where X represents a halogen atom, R represents an alkali metal, n is a number greater than 11 and m is a number greater than 13, the balance of the electrolyte composed of from 0.5 to 5 ounces per gallon of free cyanide, from 0.2 to 0.5 ounce per gallon of copper, from 0.05 to 0.2 ounce per gallon of tin, from 0.1 to 0.5 ounce per gallon of zinc, anions associated with the copper, tin and zinc, from 2 to 12 ounces per gallon of alkali metal carbonate and from 0.25 to 0.8 ounce per gallon of alkali metal hydroxide, and the remainder being water.

2,436,317

TESTING APPARATUS FOR DETERMINING THE MECHANICAL BEHAVIOR OF METALS UNDER TEST

Michael J. Manjoine, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 23, 1944, Serial No. 536,947
10 Claims. (Cl. 73—15.6)

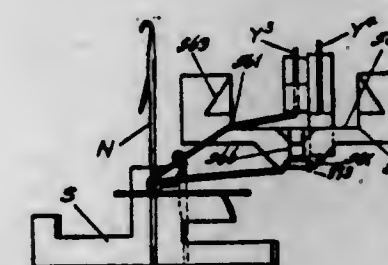


1. In a machine for testing a specimen of material, a frame, a specimen deforming device mounted on the frame, means for attaching one end of the specimen to the frame, a resilient means connecting the other end of the specimen to the deforming device, a motor for operating the deforming device to load the specimen, means responsive to operation of the resilient means when the specimen is loaded for controlling the motor to maintain the load on the specimen at an approximately constant value, a clock mechanism, and means responsive to operation of the deforming means and to operation of the clock mechanism for producing a creep-time curve for the specimen.

2,436,318

CIRCULAR KNITTING MACHINE

John J. McDonough, Belmont, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application February 2, 1945, Serial No. 575,796
19 Claims. (Cl. 66—93)

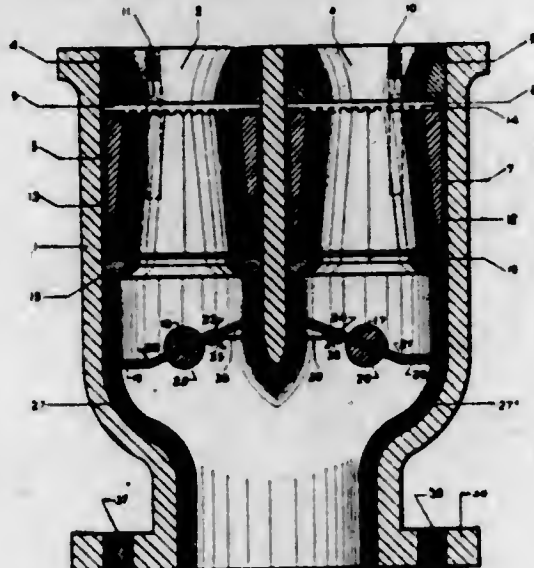


1. A circular knitting machine having independent needles and sinkers and pivoted yarn fingers, in combination with a throat plate under the yarn fingers, said throat plate having a throat with an open notch in the end face thereof whereby feeding of yarns to the needles and sinkers occurs when yarn fingers are moved into operative position both under the end face of the throat by passing through the notch and across the inner edge of the throat, according to whether or not the yarns catch in the notch.

2,436,319

CARBURETOR

Peter A. R. Meyer, College Point, N. Y.
Application December 19, 1944, Serial No. 568,822
6 Claims. (Cl. 261-41)

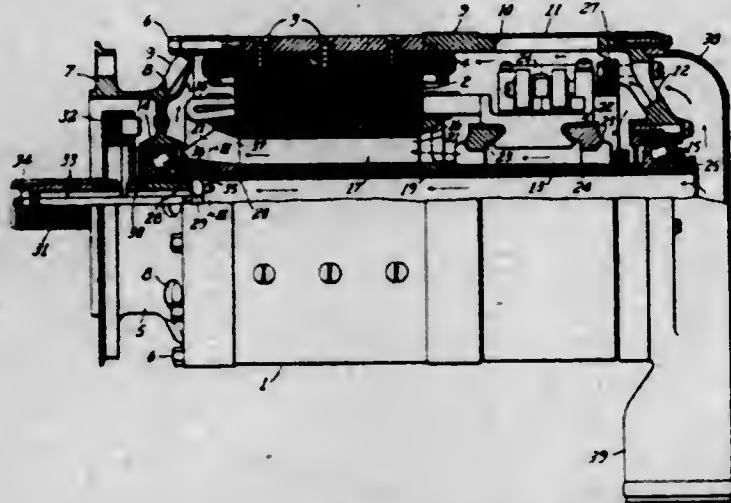


1. In a downdraft carburetor, a carburetor body member having a part for direct association with an internal combustion engine, dual, substantially cylindrical upper and lower Venturi elements spaced to form annular crevices for dispersing gasoline within said Venturi members, said lower Venturi elements having their upper wall surface serrated for increased gasoline dispersal, and an orifice discharging into a narrow duct extending lengthwise through said lower Venturi walls, metallic rings securely attached adjacent to the internal wall of said carburetor body directly beneath said lower Venturi members and caused to receive gasoline through said ducts from said annular crevices, a source of suction for producing dual air currents through said Venturi members, two substantially circular throttle discs for controlling said air currents, said throttle discs having a narrow segment and a relatively wide segment angularly disposed to each other and securely attached to a shaft rotatably mounted in said carburetor body wall, curved deflector plates rigidly fastened to but spaced from the undersurface of said throttle discs forming a curved trough for producing turbulence, and the lower extremity of said carburetor body member inwardly curved to produce, in cooperation with said throttle discs, additional turbulence of the air flow.

2,436,320

DYNAMOELECTRIC MACHINE

John D. Miner, Jr., and Joseph E. Mulheim, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1944, Serial No. 526,012
8 Claims. (Cl. 171-252)



1. A dynamo-electric machine having a stator member and a rotor member, said rotor member

including a hollow shaft open at one end, said shaft having a single continuous, axial passage-way therethrough, bearings adjacent opposite ends of the machine for supporting said shaft for rotation, means for directing a stream of cooling air into one end of said machine, a part of said cooling air flowing into the open end of said hollow shaft, said shaft having a plurality of radial holes therethrough adjacent its opposite end for discharging the air flowing through the shaft, and means on the shaft adjacent said holes for causing the air discharged from said holes to flow directly across the bearing at that end of the shaft.

2,436,321

UMBRELLA RIB TIP

Rose H. Morton, New York, N. Y.
Application May 8, 1946, Serial No. 668,075
3 Claims. (Cl. 135-36)

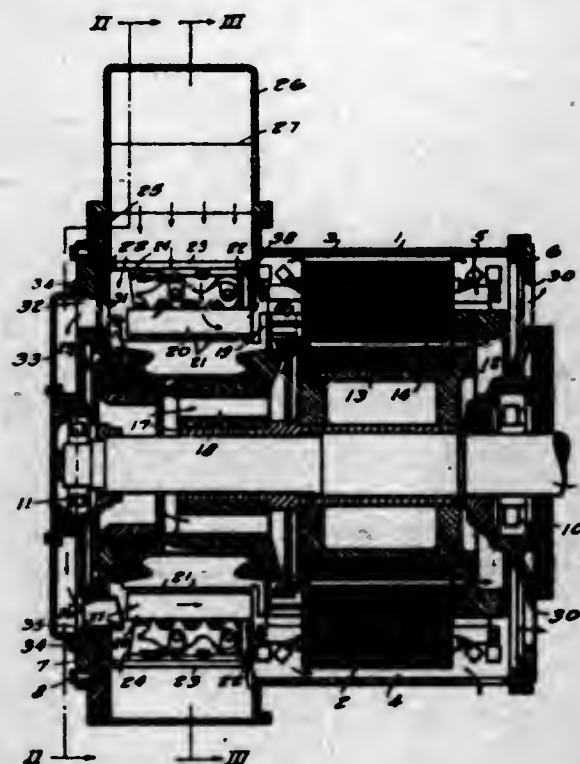


1. A tip for umbrellas comprising, in combination, a primary tip member composed of an upper portion having a head, a lower skirt portion of substantially cylindrical conformation having an axial socket and an intermediate portion having a transverse thread-receiving opening, and an extension skirt member provided with a socket continuous with the socket of said primary tip member, and interengaging connection means on said skirt portion of the primary tip member and on the extension-skirt member for fastening the two members together.

2,436,322

VENTILATION OF DYNAMOELECTRIC MACHINES

Erich O. Mueller, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 10, 1944, Serial No. 562,783
9 Claims. (Cl. 171-252)



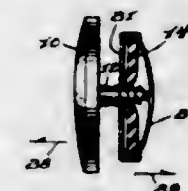
1. A dynamo-electric machine having a stator member and a rotor member, a commutator on the rotor member, a plurality of brushholders

supported on the stator member and spaced apart circumferentially around the commutator, inlet means for ventilating air in the stator member at one side of the commutator, means for directing a part of said air in a plurality of generally radial streams into the spaces between the brushholders on the side of the commutator adjacent said inlet means, and means for directing another part of the ventilating air in a plurality of generally axial streams into the spaces between the brushholders on the other side of the commutator.

2,436,323

BUTTON BACK

Erik A. Nygard, Woonsocket, R. I.
Application October 6, 1945, Serial No. 620,764
3 Claims. (Cl. 24-105)

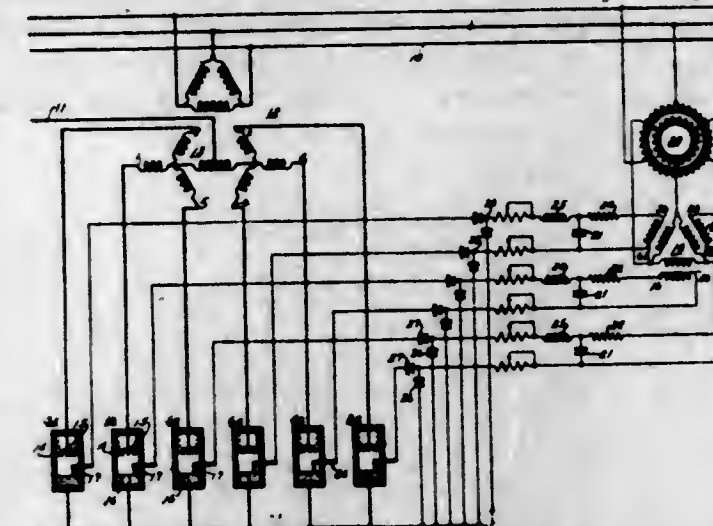


1. A button back comprising a resilient rubber-like member having an opening therein of a size smaller than portions of a stud to be received therethrough, a first plate on one side of said member engaging the edges thereof but arched away from the member at said opening to permit the edges of the member about the opening to flex into the arched portion sufficiently to pass the stud therethrough and a second plate on the other side of said member having an opening to register with the opening in the rubber member and attached to the first plate at its edges to limit the flexing of the edges of said opening so as to maintain them in engagement with said stud to bind on the stud whereby the stud may be axially slid in one direction only.

2,436,324

IGNITRON FIRING CIRCUIT

William E. Pakala, Forest Hills, and Henry C. Myers, Irwin, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1941, Serial No. 404,888
32 Claims. (Cl. 175-363)



1. In a conversion system having a plurality of electric valves each valve including a main anode, cathode and a make-alive electrode in contact with the cathode, a control system comprising a source of alternating control potential, transformer means for providing an electrically insulated secondary phase winding for each pair of said valves, a saturable reactor and a capacitor connected across each of said windings, a saturable reactor in series between said winding and said parallel reactor and capacitor, an aux-

607 O. G.-35

2,436,325

BROACH

John K. Penny, Grosse Pointe, Mich., assignor to Spirex Broach Corporation, Detroit, Mich., a corporation of Michigan
Application November 27, 1943, Serial No. 511,946
10 Claims. (Cl. 29-95.1)



1. A broach having a rough cutting section having teeth extending at right angles to the longitudinal axis of said broach and a plurality of finishing sections each having spirally fluted teeth extending at an angle to said axis, the teeth of one spirally fluted section being of opposite hand to the spirally fluted teeth of an adjacent section, and a chip-breaking and hole clearing tooth between each adjacent broach section.

2,436,326

WINDING APPARATUS

Robert C. Pierce, Niles, Mich., assignor to National-Standard Company, a corporation of Michigan
Application April 1, 1944, Serial No. 529,069
1 Claim. (Cl. 242-68)



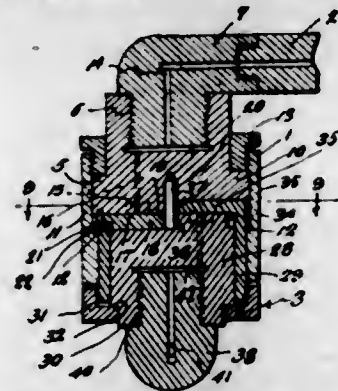
In apparatus for recording sound on a wire, a cylindrical winding mandrel provided at its inner end with an abutment flange and having an untapered body portion provided on its exterior cylindrical surface with three longitudinally extending equally spaced flat grooves open at their outer ends and extending to said abutment flange at their other ends, each of said grooves being open throughout their entire length along their outer side, a bowed leaf spring friction member in each of said grooves, one end of each of said spring friction members being fixed to the man-

drel adjacent the abutment flange and the other end being free to move longitudinally and free to move laterally in one direction in its groove, and a metal spool having a substantially smooth untapered bore fitting concentrically on said friction members, said spool having a pair of integral outwardly extending end flanges.

2,436,327

HYDRAULIC BRAKE PIPE COUPLING

Arthur A. Pommer, Montrose, Calif.

Application March 26, 1945, Serial No. 584,814
3 Claims. (Cl. 284-18)

3. A coupling for pipes comprising companion male and female coupler members, each having a cylindrical casing and a body therein formed with a semicircular extension having an edge face extending diametrically of the body, the body of each coupler section being formed with a fluid passage having its outer end opening through the extension and surrounded by a gasket, a post carried by the body of the female coupler member centrally thereof and engaging in a socket at the center of the body of said male coupler member to guide rotation of the body of the male coupler member in its casing, the casing of the male coupler member carrying a semicircular end wall having a diametrically extending edge face abutting the diametrically extending edge face of the extension of the body of said female member, a semicircular plate resting against the extension of the body of said female coupler member and movable about said post from retracted position closing the passage of the female coupler member by action of the extension of the body of the male coupler member when said body of the male member is turned to move its passage from under the end wall and into registry with the passage of the female coupler member, said plate and the extension of the male coupler member serving to releasably secure the coupler members together when extended.

2,436,328

PHENOL FORMALDEHYDE RESIN-GLYCININ PROTEIN EMULSIONPhilip K. Porter, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 24, 1942,
Serial No. 435,969

4 Claims. (Cl. 260-7)

3. A resinous emulsion characterized by good stability over a period of days comprising, in combination, at least 157 parts by weight of an aqueous medium containing less than 53% by weight of a water soluble organic solvent and the balance being water at a pH of from about 8.5 to 11 as the continuous phase, 80 parts by weight of a partially reacted thermosetting phenol-aldehyde resin in the alcohol soluble stage, the resin being soluble in a water soluble organic solvent, as the dispersed phase, the water soluble organic solvent being present in the con-

tinuous phase, and an emulsifying agent and protective colloid for the dispersed phenol-aldehyde resin comprising a glycinin protein peptized with ammonium hydroxide, the ratio of weight of the solid phenol-aldehyde resin to the weight of the protein ranging from about 80 to 1 to 16 to 1, the glycinin protein derived from soybeans with a minimum of modification and characterized by an isoelectric point at a pH of 4.3 to 4.7 and soluble in water at a pH of 8.5 at 25° C. to produce saturated solutions at a concentration of 2% to 20%.

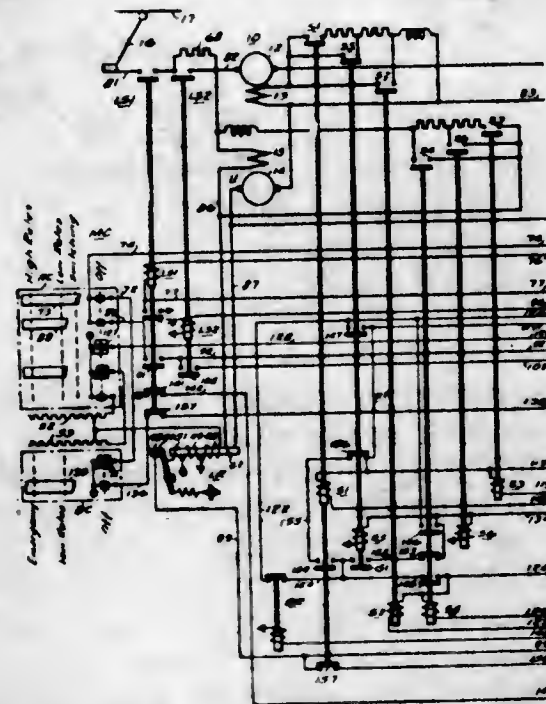
2,436,329

PHENOL FORMALDEHYDE RESIN-GLYCININ PROTEIN EMULSIONPhilip K. Porter, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 24, 1942,
Serial No. 435,970

2 Claims. (Cl. 260-7)

1. A resinous emulsion characterized by good stability over a period of days comprising, in combination, an aqueous medium at a pH of from about 8.5 to 11 comprising at least 97 parts by weight of water and 80 parts by weight of a water soluble organic solvent as the continuous phase, 80 parts by weight of a partially reacted thermosetting phenol-aldehyde resin in the alcohol soluble stage as the dispersed phase, the resin being soluble in the water soluble organic solvent, and an emulsifying agent and protective colloid for the dispersed phenol-aldehyde resin comprising a glycinin protein peptized with ammonium hydroxide, the ratio of weight of the solid phenol-aldehyde resin to the weight of the protein ranging from less than 16 to 1 to 1 to 1, the ratio of water to glycinin protein being at least 7.35 to 1, the glycinin protein derived from soybeans with a minimum of modification and characterized by an isoelectric point at a pH of 4.3 to 4.7 and soluble in water at a pH of 8.5 at 25° C. to produce saturated solutions at a concentration of 2% to 20%, the water not exceeding 30 times the weight of the glycinin protein.

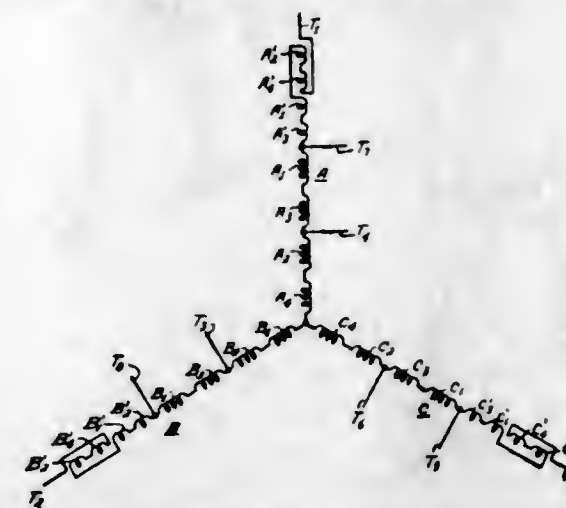
2,436,330

DYNAMIC BRAKING SYSTEM FOR SERIES MOTORSGeorge R. Purifoy, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1946, Serial No. 650,949
10 Claims. (Cl. 318-381)

1. In a motor control system, in combination, a direct current motor of the series type for pro-

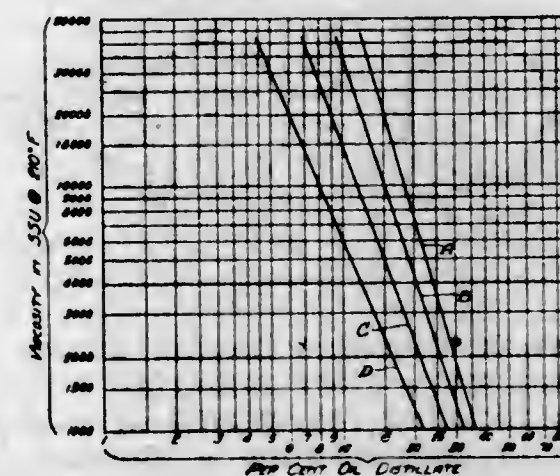
pellling a vehicle, power conductors, switching means for connecting the motor to the power conductors, switching means for establishing dynamic braking connections for the motor, means for shunting the motor field during dynamic braking, relay means responsive to the motor current for controlling the operation of said field shunting means, and manually controlled means for changing the setting of said relay means to vary the dynamic braking rate.

2,436,331

THREE-PHASE MOTOR WINDINGRobert C. Robinson, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 19, 1945, Serial No. 573,573
13 Claims. (Cl. 318-224)

1. A winding for a three-phase, two-speed electric motor, said winding including three-phase windings, each of said phase windings comprising a plurality of coil groups, means for connecting the coil groups of each phase winding to form a winding of 2n poles, and means for alternatively connecting all the coil groups of each phase winding to form a winding of 4n poles, said last-mentioned connecting means being arranged so that some coils of at least some of the coil groups are omitted from the circuit.

2,436,332

RUBBER COMPOSITIONPhilip Edward Rollhaus, Scarsdale, N. Y., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application December 16, 1943, Serial No. 514,490
17 Claims. (Cl. 260-28)

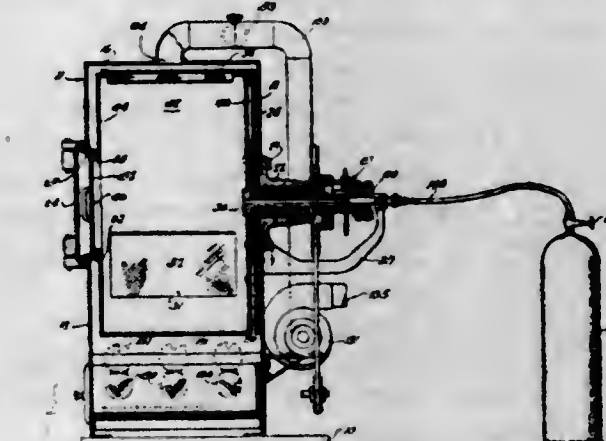
1. A composition comprising a material selected from the group consisting of natural rubber and rubber-like polymers of butadiene, isoprene, piperylene and 2-chloro butadiene; and a heat polymer of a residual tar, separated from tar-water emulsion produced during condensation in the presence of H₂O of the products of the vapor phase pyrolysis, during the production of combustible gas, at average temperatures above approximately 1300° F. of petroleum oil; said re-

sidual tar having a viscosity between 1500 SSU at 210° F. and 30,000 SSU at 210° F., and having a viscosity-distillable oil relationship within the area of viscosity-distillable oil relationships lying to the left of the curve having the formula

$$\log y = 8.29 - 3.39 \log x$$

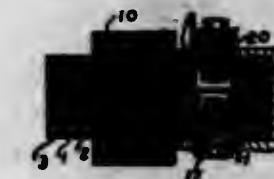
in which y and x are respectively rectangular coordinates of viscosity expressed in SSU at 210° F. and distillable oil expressed in percent by weight, and said residual tar having a content of heat polymerizable unsaturated material at least sufficient to cause an increase in the melting point of said residual tar of 20° C. when said residual tar is heated at 180° C. for 12 hours under conditions of total reflux.

2,436,333

FUR FUMIGATING AND CLEANING APPARATUSNathan Root, Grand Rapids, Mich.
Application January 5, 1946, Serial No. 639,260
3 Claims. (Cl. 69-23)

1. A cleaning machine adapted to receive fur garments, a particulate cleaning material and a gaseous fumigant, comprising in combination a supporting structure, a hollow cylindrical drum having a hollow shaft and supported for rotation in said structure and adapted to receive the garments, cleaning material and fumigant, means for feeding gaseous fumigant from a supply cylinder to said shaft of said drum, and means for removing said fumigant from said drum.

2,436,334

CURRENT-LIMITING AND PROTECTIVE ARRANGEMENTAlbert B. Rypinski, Laurelton, N. Y., assignor to Della C. Rypinski, Laurelton, N. Y.
Application April 22, 1944, Serial No. 532,325
16 Claims. (Cl. 323-90)

10. An arrangement comprising in combination a core, a winding including coils wound about the core inductively coupled and wound and arranged to include end turns and to provide a main magnetic circuit such that substantially all flux in the main magnetic circuit threading one coil threads all coils and an auxiliary magnetic circuit in the end turn, and the coils being electrically interconnected to effectuate a minimum impedance under normal conditions and including two coils connected in series, and

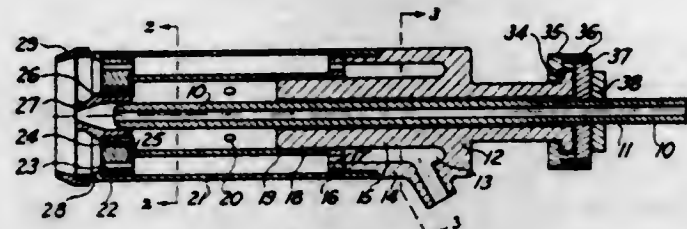
means for varying the electrical relation of the winding upon the flow of current in excess of a predetermined value including relatively movable contacts and electromagnetically actuated means positioned in an end turn of the winding and arranged to be affected by the magnetic effect of said auxiliary magnetic circuit.

2,436,335

SPRAY DEVICE FOR PROJECTING MOLTEN PARTICLES

Leo M. Simonsen, Eugene, Oreg.

Application December 17, 1943, Serial No. 514,639
5 Claims. (Cl. 91-12.2)



1. In a device for spraying molten particles of material upon a surface to provide a coating thereon, a nozzle from which said material is discharged, a tube communicating with said nozzle and adapted to convey a stream of said material entrained in air, means for creating a zone of flame concentric with said nozzle and extending from said device to said surface, and means for controlling the trajectory of said particles through said zone of flame comprising means for controlling the distance between the discharge end of said nozzle and the adjacent discharge end of said tube.

2,436,336

TOOL

Raymond E. Slater, New Rochelle, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application January 18, 1944, Serial No. 518,675
5 Claims. (Cl. 287-99)



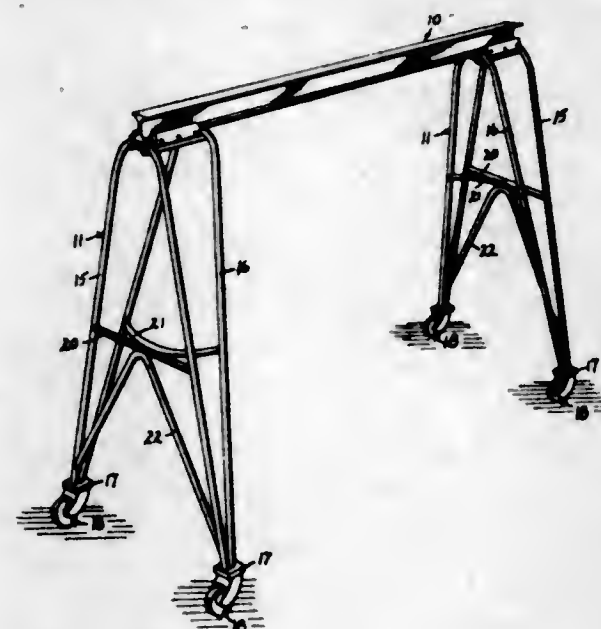
2. A universal wrench comprising a handle shaft, a wrench shaft, means for rigidly connecting said handle shaft and wrench shaft in any one of a plurality of relative angular positions comprising a yoke associated with each yoke, a pivot associated with each yoke, and a connecting block including a pair of elongated slot-like pivot apertures disposed at right angles to each other adapted to receive the pivots

of said yokes respectively, the sides of each of said yokes being adapted to be embraced by the other yoke in a plurality of interchangeable motion transmitting connections.

2,436,337

GANTRY STRUCTURE

Ralph E. Smith and Lawrence H. Workman, Muskegon, Mich., assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application July 13, 1946, Serial No. 683,540
13 Claims. (Cl. 212-13)

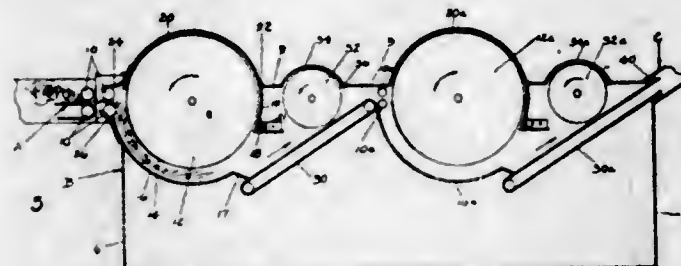


1. A gantry structure comprising, in combination, an elongated beam forming a support for a hoist, frames for supporting said beam at opposite ends, each of said frames comprising a pair of frame members of generally V-shaped configuration rigidly secured together in inverted side-by-side relation with the members diverging upwardly and outwardly from each other, an elongated plate connecting the closed ends of the members and providing a seat for said beam, and means for removably securing said beam to said plates.

2,436,338

WASTE MACHINE

Chadwick P. Smith and James R. Pangle, Charlotte, N. C.
Application June 6, 1947, Serial No. 752,940
6 Claims. (Cl. 19-88)

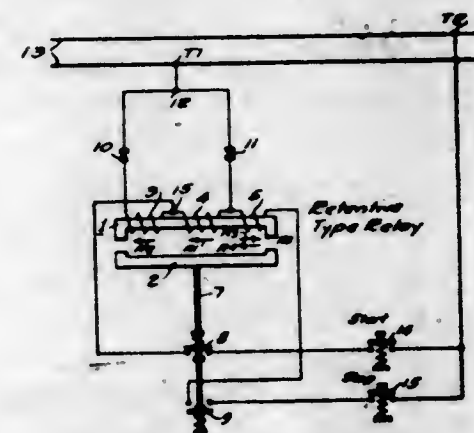


1. In a waste machine having beater means for shredding waste fiber material, a compartment communicating rearwardly of said beater, an endless conveyor forming a movable bottom for said compartment, and a cylindrical rotatable screen forming the rear end wall of said compartment and slightly spaced from said conveyor, said compartment otherwise being substantially air-tight to channel air currents from said beater to said screen, the improvement comprising a perforated cover extending over said screen whereby air currents flowing from said compartment through said screen are retarded by said cover when passing therethrough into the atmosphere.

2,436,339

ELECTROMAGNETIC RELAY

Owen L. Taylor, Wilkesburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1947, Serial No. 731,468
2 Claims. (Cl. 175-335)



1. An electromagnetic device, comprising a retentive magnetic circuit having a field structure and an armature biased away from said structure and being adapted for holding said armature picked up against the armature bias, three coils disposed on said structure, two of said coils being series-connected with each other and disposed in cumulative relation to each other, two valve means series-connected to each other across said two coils to form a closed circuit together therewith and having the same polarity of connection relative to said closed circuit, two terminals for supplying alternating current, a normally open start contact, a normally closed interlock contact and a normally open interlock contact both controlled by said armature, one of said two terminals being connected to a point of said closed circuit between said two valve means and said other terminal being connected to a point of said closed circuit between said two coils, said normally closed interlock contact and said start contact being disposed in series with said closed circuit between said two terminals so that, when said start contact is closed, said two coils are alternately excited through said respective valve means to temporarily produce pickup fluxes of the same directions in said magnetic circuit, a normally open stop contact, said third coil having one end connected to said closed circuit at a point between one of said valve means and one of said two coils, the other end of said third coil being connected in series with said normally open interlock contact and in series with said stop contact to said other terminal, and said third coil being wound to produce flux in opposition to that of said other coils when said stop contact is closed and said third coil is traversed by current flowing through the arc valve adjacent to said third coil so that, when said armature is in picked-up position, said magnetic circuit is demagnetized by current flowing through said third coil when said stop contact is closed.

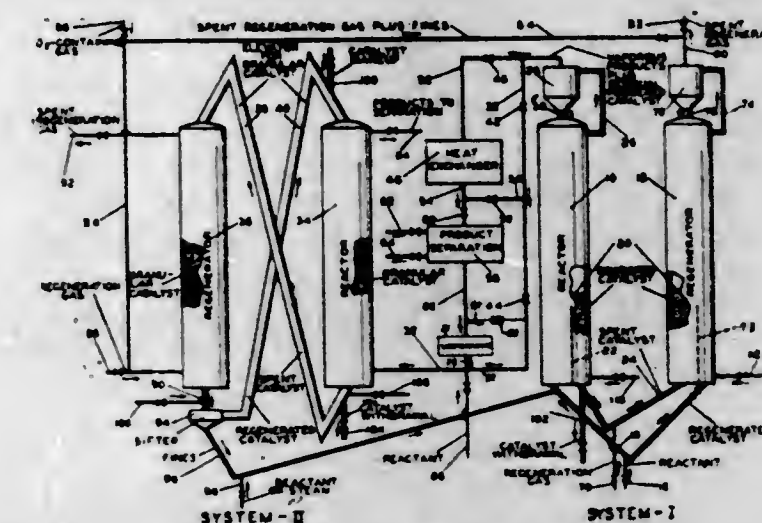
2,436,340

CONVERSION OF HYDROCARBONS USING MOVING CATALYSTS

John D. Upham and I. Louis Wolk, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application August 13, 1943, Serial No. 498,560
4 Claims. (Cl. 196-49)

1. In a catalytic hydrocarbon conversion system, the improvement which comprises effecting catalytic hydrocarbon conversion in at least two

stages under conditions causing deposition of carbonaceous material on the catalysts, utilizing a moving bed of granular catalyst in at least one of said conversion stages and a finely powdered catalyst of smaller particle size in another of said conversion stages, regenerating said granular catalyst in a moving bed in at least one regeneration stage by contact with hot oxygen-containing regenerative gases, regenerating said

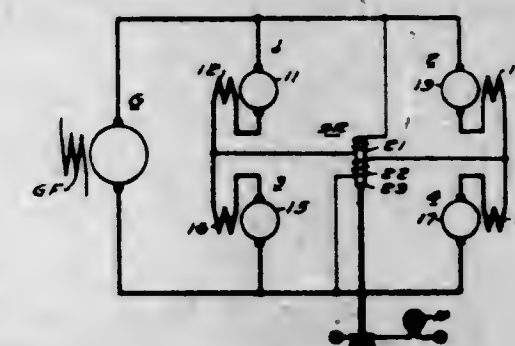


finely powdered catalyst in another regeneration stage by contact with hot oxygen-containing regenerative gases, and passing effluent regenerative gases containing powdered catalyst suspended therein from said last-named regeneration stage into said first-named regeneration stage whereby said suspended powdered catalyst is separated from said regenerative gases by incorporation in said bed of granular catalyst.

2,436,341

SLIP-INDICATING SYSTEM FOR ELECTRICALLY PROPELLED LOCOMOTIVES

Sydney F. Weybrew, St. Louis, Mo., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 8, 1945, Serial No. 627,497
2 Claims. (Cl. 177-311)



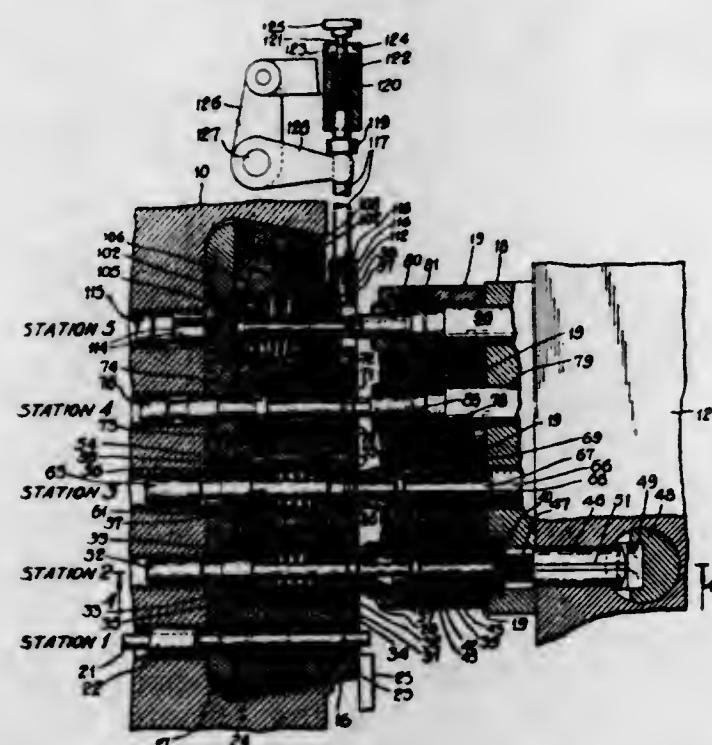
2. In a control system, in combination, a plurality of traction motors, each motor having an armature winding and a series field winding, said motors being connected in groups of series-connected motors, said groups of motors being connected to a power source in parallel-circuit relation, a differential relay having a pair of actuating coils, one of said coils being connected directly across the armature winding and the field winding of one of the motors of one group of series-connected motors, the other of said coils being connected directly across the armature winding and the field winding of one of the motors of another group of series-connected motors, whereby said relay is responsive to an unbalance in the motor speeds, and signalling means energized through said relay.

2,436,342

METHOD AND MEANS FOR MAKING NUT BLANKS OR THE LIKE

Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut

Application July 12, 1943, Serial No. 494,338
36 Claims. (Cl. 10-86)



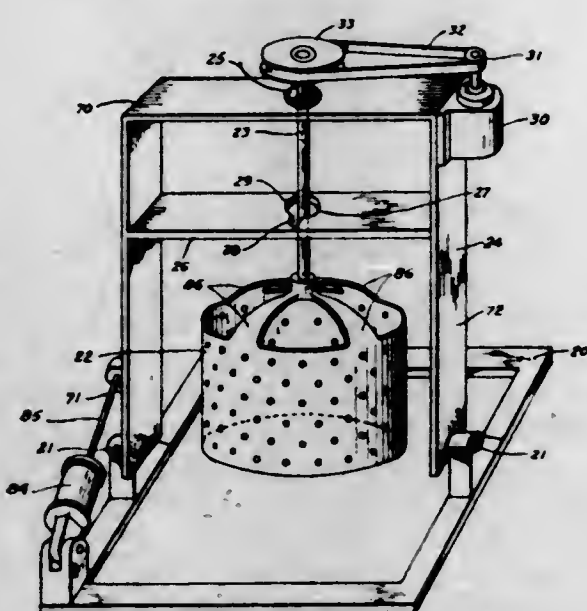
2. The method of producing a nut blank or the like from a solid piece by forming a recess in one end and coning the opposite end by endwise pressure applied at the same station, then deepening the recess while retaining the coned end, then shaping the piece so that a portion thereof is polygonal in cross section and a portion substantially cylindrical on top thereof; and then piercing a hole through the piece while held within a confining recess or cavity in a die, then stripping the piece from the die and finally from the hole piercing tool.

2,436,343

DRUM SUPPORT FOR COMBINED WASHING AND CENTRIFUGAL DRYING MACHINES

Ellsworth M. Wilson, Southport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application December 21, 1944, Serial No. 569,163
10 Claims. (Cl. 68-25)



1. In a machine of the character described, a drum; a rotatable drum shaft; a pivoted shaft guide support, said support being pivotable to move said drum from a substantially vertical

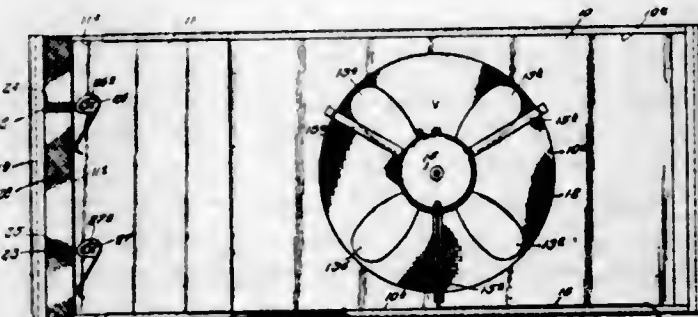
wringing position to an inclined washing position; a flexible joint shaft guide carried by said guide support for guiding one portion of said shaft; and a second shaft guide carried by said guide support, said second guide having formed therein an aperture with a restricted portion for supporting the shaft when the drum is in an inclined position and an enlarged portion communicating with said restricted portion for allowing gyratory rotation of the shaft when the drum is in a substantially vertical position, said restricted portion being below said enlarged portion when the drum is in an inclined position.

2,436,344

PORTABLE VENTILATOR HAVING ADJUSTABLE MOUNTING MEANS

Milton J. Winogrand, Philadelphia, Pa.

Application April 17, 1944, Serial No. 531,316
4 Claims. (Cl. 98-94)



1. A portable ventilator of the character described, including: a first closure section; a second closure section, said sections having interengaging portions arranged for telescoping relative movement between the sections; a ventilating opening in at least one of the sections; a power driven fan mounted on the section having the opening therein with its fan portion adjacent the opening; locking means for holding said sections in desired relation to each other, this means comprising a ratchet rack on one of the closure sections and a yielding engaging element on the other closure section; a pressure device mounted on the outer end of one of said closure sections and movable with respect thereto; flexible means connecting the pressure device and the closure section on which it is mounted; spring means for urging said pressure device away from the closure section on which it is mounted; and means for rendering the spring means ineffective, this means comprising an eccentric arm.

2,436,345

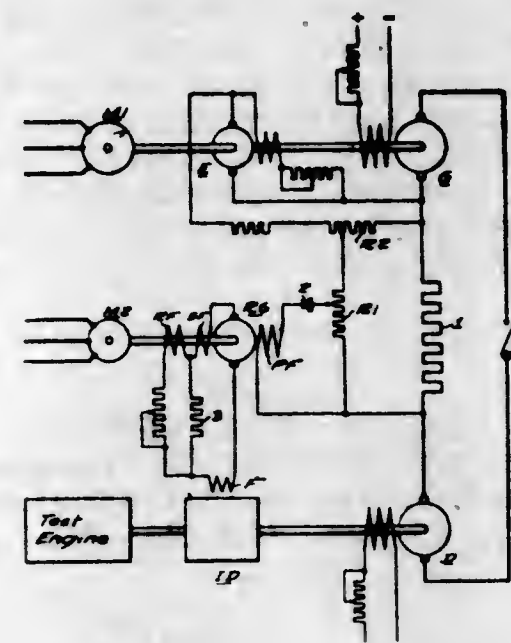
DYNAMOMETER CONTROL SYSTEM

John R. Wrathall, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 10, 1945, Serial No. 610,081
5 Claims. (Cl. 73-134)

1. Apparatus for testing a prime mover comprising, in combination, an eddy current dynamometer comprising a rotor connected with said prime mover, and including a field winding for varying the dynamometer absorption capacity, a direct current dynamometer having an armature mechanically connected to said prime mover and a field winding, a self energizing generator adjusted so that the line of its load resistance is tangent to the initial straight line portion of the no load saturation curve of the self-energizing generator, said self-energizing generator having a pair of differentially connected control field windings, means for energizing the field winding of the direct current dynamometer, means for

energizing the armature winding of the direct current dynamometer, means for energizing one of said control field windings depending upon the load absorbed by the direct current dynamometer, means for energizing the other of said control



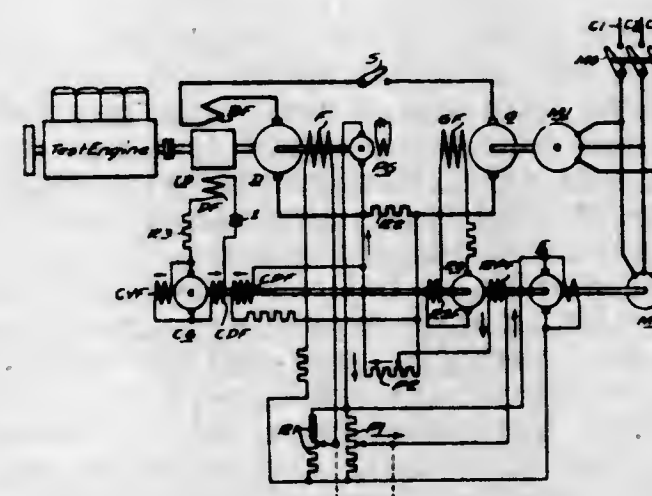
field windings depending upon the output of the self-energizing generator, and circuit means connecting the self-energizing generator to the field winding of the eddy current dynamometer to effect energization thereof.

2,436,346

DYNAMOMETER CONTROL SYSTEM

John R. Wrathall and Joe G. Ivy, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 10, 1945, Serial No. 610,082
8 Claims. (Cl. 73-134)



1. Dynamometer apparatus for testing prime movers comprising, in combination, an eddy current inductor dynamometer having a rotor and differentially connected field windings, a direct current dynamometer having an armature and a field winding, means for mechanically connecting said rotor and said armature to a prime mover to be driven thereby, means for energizing the armature winding of the direct current dynamometer, means for energizing the field winding of the direct current dynamometer, means for energizing one of the differentially connected field windings of the eddy current inductor dynamometer depending upon the armature currents of the direct current dynamometer, and means constructed and arranged to energize the other of said differentially connected field windings such that the total flux produced by the differentially connected field windings is zero in response only to the armature currents of said direct current dynamometer when functioning as a motor.

2,436,347

GREASE COMPOSITIONS

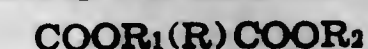
John C. Zimmer, Union, and Arnold J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1944,

Serial No. 570,784

9 Claims. (Cl. 252-36)

1. A low temperature grease consisting essentially of a major proportion of one or more compounds having the formula



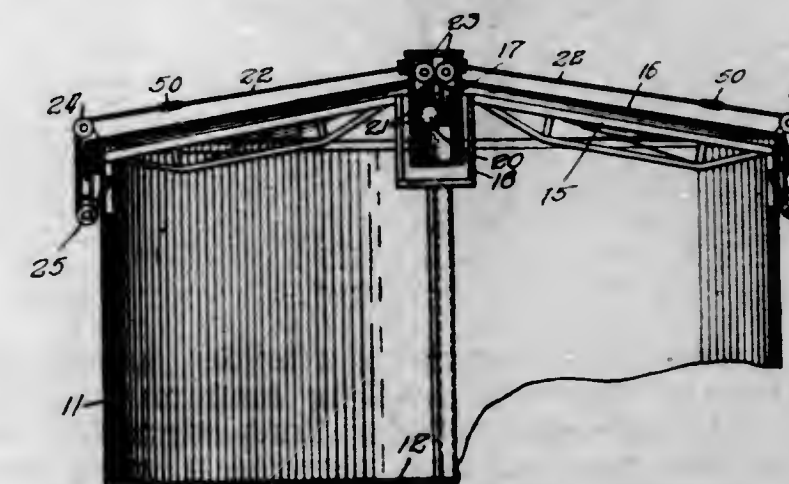
where R is a bivalent aliphatic hydrocarbon radical; R₁ and R₂ are branched chain hydrocarbon radicals; a minor proportion comprising not more than 30% of a soap of a metal selected from the group consisting of alkali and alkaline earth metal and 0.5 to 5% of an amphoteric metal soap as a stabilizer.

2,436,348

LIFTER ROOF

John W. Allen, Chicago, Ill., assignor to Chicago Bridge & Iron Co., a corporation of Illinois

Application November 3, 1945, Serial No. 626,586
8 Claims. (Cl. 48-176)



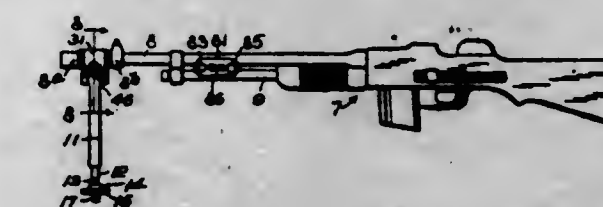
1. In a storage vessel having stationary side walls and a vertically movable roof, a flexible member connecting the side walls to the roof and a counterweight system carried by the roof including a central well in the roof and carried thereby, at least a pair of groups of sheaves in sequence carried by the roof, and flexible supporting means secured to the counterweight, each such supporting means passing over a group of the sheaves in sequence.

2,436,349

FOLDING BIPOD ASSEMBLY FOR GUNS

Edwin F. Adams, Boston, Mass., assignor to Robert J. Bottomly, Boston, Mass.

Application May 15, 1945, Serial No. 593,792
14 Claims. (Cl. 42-94)



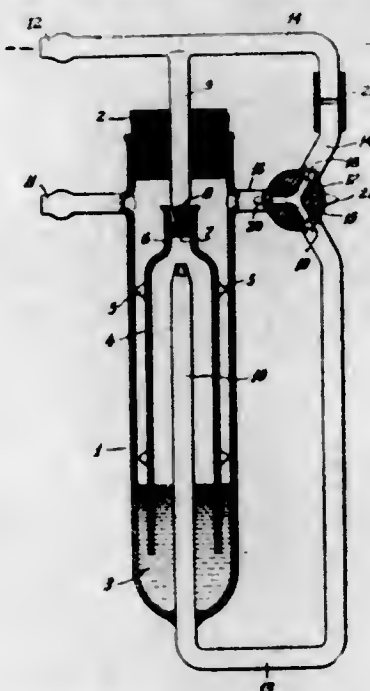
3. A folding bipod assembly for guns of the class described, comprising a mounting saddle including a barrel collar and an offset housing body, a cross shaft having an intermediate universal bearing and oppositely projecting ends, a socket for said bearing in the housing body, a pair of legs having yoke-like end couplings transversely pivoted at the respective ends of

the shaft, a spring-pressed locking element and a cooperative receiving element, one on the shaft and the other on the housing and interengageable to lock the shaft and legs at a given angle relative to the axis of the barrel collar, releasable fastener means adapted for mounting on the gun and cooperative fastener members on the respective legs, for securing the latter in a generally parallel folded position.

2,436,350

MANOSTAT

Joseph P. Bader, Brooklyn, N. Y., assignor to The Emil Greiner Company, New York, N. Y., a corporation of New York
Application May 8, 1946, Serial No. 668,113
4 Claims. (Cl. 230-2)

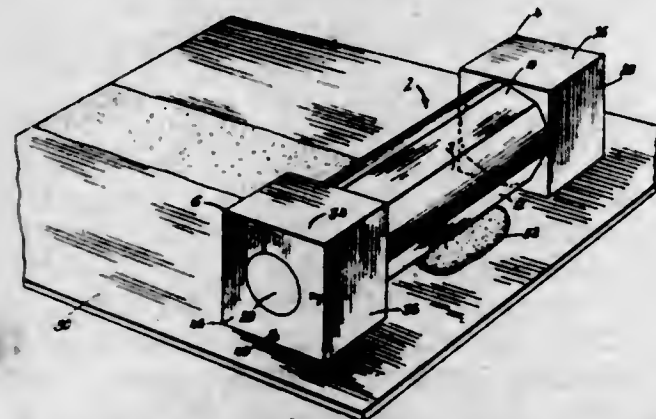


1. A manostat comprising a holder, a body of mercury or equivalent sealing medium in said holder, an inverted tubular float supported in said sealing medium and carrying a valve element, a vacuum applying connection entered in said holder and having an orifice disposed to be closed by said valve element in the rising movements of said float, means for connecting the holder with a system to be pressure controlled, means for connecting said vacuum applying connection to a vacuum producing source, a manifold connection extending from said vacuum producing connection into the interior of the inverted float and into the holder outside the float, and a single valve for opening and closing said manifold connections.

2,436,351

FILM APPLICATOR

John J. Bradley, Jr., Walpole, Mass., assignor to Boston Varnish Company, Everett, Mass., a corporation of Massachusetts
Application August 15, 1946, Serial No. 690,785
2 Claims. (Cl. 91-62.5)



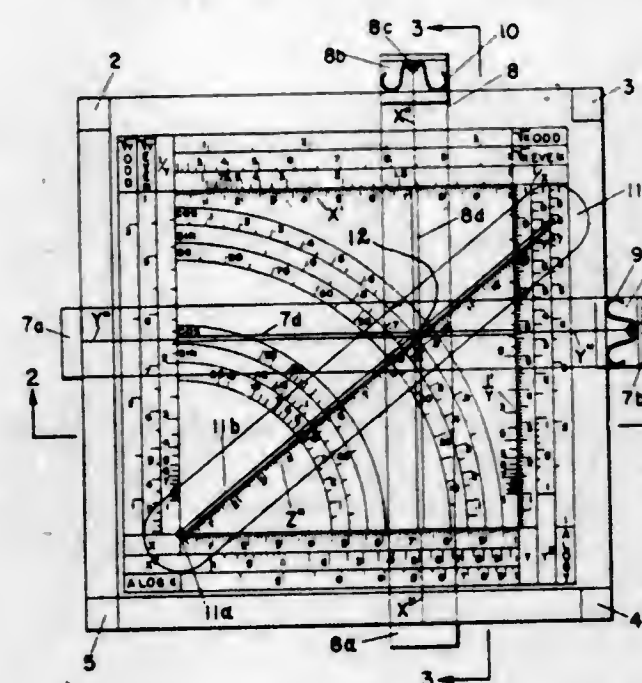
2. A hand tool for forming films on flat surfaces from plastic materials which comprises a

central bar having on its periphery a plurality of coaxial cylindrical surfaces separated by intervening flat surfaces depressed below the cylindrical surfaces and lying parallel to the axis of said cylindrical surfaces, a block secured to each end of the bar and having a plurality of flat faces each disposed parallel to said axis and adjacent to but spaced from a cylindrical surface, corresponding faces of the blocks lying in the same plane and being spaced the same distance from said axis, and different pairs of corresponding faces being spaced different distances from said axis, each of said flat surfaces on the bar being inclined to the adjacent face of said blocks.

2,436,352

CALCULATING DEVICE

Alfred Buckingham Downs, Jr., Columbus, Miss.
Application February 15, 1947, Serial No. 728,932
7 Claims. (Cl. 235-61)

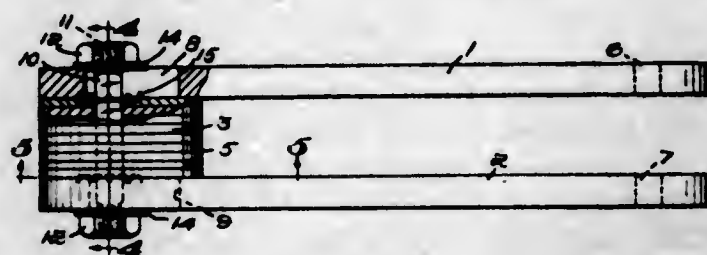


1. A computing device comprising a pair of flat sheet-like panel members spaced one from another, at least one of said panel members being formed from transparent material and the other of said panel members carrying scales visible through said transparent panel members, a pair of slides extending between said panel members and slidable in paths substantially normal to each other, a scale pivotally mounted between said panel members and having calibrations thereon variably registerable with the scales on said second mentioned panel and a connection between said slides and said pivotally mounted scale for effecting simultaneous movement between said slides and pivotally mounted scale.

2,436,353

ADJUSTABLE LUG STRAP

W. Irving Bullard, Charlotte, N. C., assignor to E. H. Jacobs Mfg. Co. Inc., Danielson, Conn., a corporation of Connecticut
Application November 7, 1946, Serial No. 708,283
1 Claim. (Cl. 139-153)



A lug strap of the kind described, having a pair of longitudinally extending arms of canvas, wood, plastic, or the like non-metallic material,

and a plug formed of a plurality of layers of yieldable material with centrally arranged recesses thru each layer in alignment and non-circular in cross-section, both said arms and plug being separable from each other, means to assemble said arms and plug in operative position to constitute a lug strap in a loom, in combination with fastening means to hold said plug and non-metallic arms in alignment when assembled as a lug strap, said fastening means comprising a non-rotatable bolt registering with the non-rotatable openings thru said plug layers, and a pair of washers fitted to the bolt in non-rotatable engagement therewith between the sides of the plug and the arms, said washers having upstanding flanges to engage the opposite edges of adjacent arms and a plurality of upstanding points to penetrate said arms.

2,436,354

ELECTROMAGNET WITH ARMATURE

James D. Burke and Fuller A. Crooks, Los Angeles, Calif.; said Burke assignor to A. Morgan Maree, Jr., Speed L. Post, Stanley E. Lindahl, and himself, all of Los Angeles County, Calif., as tenants in common
Application October 11, 1943, Serial No. 505,712
18 Claims. (Cl. 175-336)



1. An electromagnet which includes: a solenoid; a pair of spaced apart unconnected stationary pole pieces, one disposed inside of said solenoid and the other on the outside of said solenoid but in the magnetic path thereof, said poles being arranged to assume opposite polarity; and an armature pivotally mounted within said solenoid having an end movable between said poles and adapted to be polarized, whereby when said solenoid is energized said armature will be repelled by one and attracted by the other of said stationary poles.

2,436,355

SPRAY DRYING DIMETHYLOUREA

Henry M. Cadot, Greenville, and William B. Clark, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 5, 1946, Serial No. 674,617
9 Claims. (Cl. 260-553)

1. A process for the preparation of dry stable dimethylolurea which comprises crystallizing dimethylolurea reaction products of formaldehyde and urea for at least 0.5 hour at a temperature from 35° to 50° C. and thereafter subjecting the resulting slurry to spray drying.

2,436,356

SHUTTLE

Karl A. Gelpke, Edgefield, S. C., assignor to Gelco Development Corporation, Canton, Mass., a corporation of Delaware
Application April 25, 1944, Serial No. 532,590
1 Claim. (Cl. 139-196)

A shuttle for automatic weft-replenishing looms comprising two halves respectively forming

the front and rear walls of the shuttle and each wall cast from metal so as to have a relatively thick rim at its top and bottom edges and a relatively thinner web intervening between the runs



of each wall, one of the halves being longer than the other and provided at each extremity with a conical point, and the half forming the rear wall having a synthetic non-metallic surfacing for engagement with the loom reed.

2,436,357

FLUORINATION OF HEXACHLOROBUTADIENE

Carl I. Gochenour and Glendon D. Kyker, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
No Drawing. Application May 14, 1945, Serial No. 593,775
7 Claims. (Cl. 260-653)

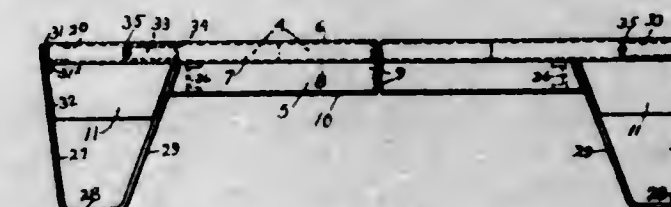
1. The method of fluorinating hexachlorobutadiene which comprises charging hexachlorobutadiene and a small quantity of antimony halide into a reactor; raising the temperature to between 40° and 60° C.; passing hydrogen fluoride and free chlorine slowly into the organic reagent, with agitation and refluxing; distilling off the crude product up to a temperature between 120° to 126° C.; fractionating the crude product; and collecting the fraction boiling at 66° to 68° C., corresponding to hexafluorodichlorobutene.

7. As a new chemical compound, 1,1,1,4,4,4 hexafluor 2,3 dichlor butene.

2,436,358

INDUSTRIAL PLATFORM

Russell Hastings, Jr., Wellesley, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application February 1, 1944, Serial No. 520,639
7 Claims. (Cl. 248-120)



1. A portable platform having unitary side frames comprising rigid side girders each having an upper horizontal channel extending throughout its length and a reversely arranged lower horizontal channel having its lower flange terminating short of the respective ends of said side girders and the vertical web of the remaining end portions of said lower channel extending downwardly below the lower horizontal flange thereof, end girders welded to and connecting the respective ends of said side girders, legs welded to the ends of the respective side girders and end girders and to the downwardly extending vertical webs of the side girders, and floor members seated at their ends in complementary channels of the side girders.

2,436,359

STIMULATION OF PRODUCTION OF OLEORESINS AND GUMS IN CONIFEROUS TREES

George H. Hepting, Asheville, N. C., assignor to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Application November 18, 1947,

Serial No. 786,600

9 Claims. (Cl. 47-10)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of producing increased production of oleoresins and gums in coniferous tree-wood comprising wounding the coniferous bark and living sapwood, and applying to the wound a species of *Fusarium fujus* present in pitchy cankers of *Pinus virginiana* Mill.

2,436,360

PREPARATION OF 2-AMINO-5-CHLORO-PYRIMIDINE

Martin Everett Hultquist, North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 21, 1941,

Serial No. 419,868

3 Claims. (Cl. 260-251)

1. A method of producing 2-amino-5-halogenpyrimidine which comprises reacting a tetra-halogenpropene with concentrated sulfuric acid, adding thereto a large excess of fuming sulfuric acid and an equivalent amount of a guanidine salt, maintaining the temperature below about 50° C. until admixture is complete, heating the mixture at about 90-95° C. until the reaction is complete, cooling the mixture to room temperature, drowning the cooled mixture in ice water, neutralizing the drowned mixture with ammonium hydroxide and isolating the resultant precipitate.

2,436,361

PLASTIC COMPOSITIONS OF MATTER

Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 15, 1937,

Serial No. 142,801

2 Claims. (Cl. 106-181)

1. A composition embodying a cellulose derivative and containing, as a plasticizer, ethyl acetyl phthalate.

2,436,362

AMINOPHTHALIMIDES

Harold T. Lacey, Plainfield, and Robert E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 3, 1944,

Serial No. 547,987

5 Claims. (Cl. 260-326)

5. As a new position of matter 3-chloro-6-ethylolaminophthalylethylolamide.

2,436,363

AMINOAMIDE RESINS

Carl Shipp Marvel, Urbana, Ill.

No Drawing. Application January 19, 1944,

Serial No. 518,864

1 Claim. (Cl. 260-72)

Process of obtaining resins which consists in bringing into contact reaction ingredients consisting of formaldehyde with one mol, per two mols of formaldehyde, of glycnamide in the form of the free base.

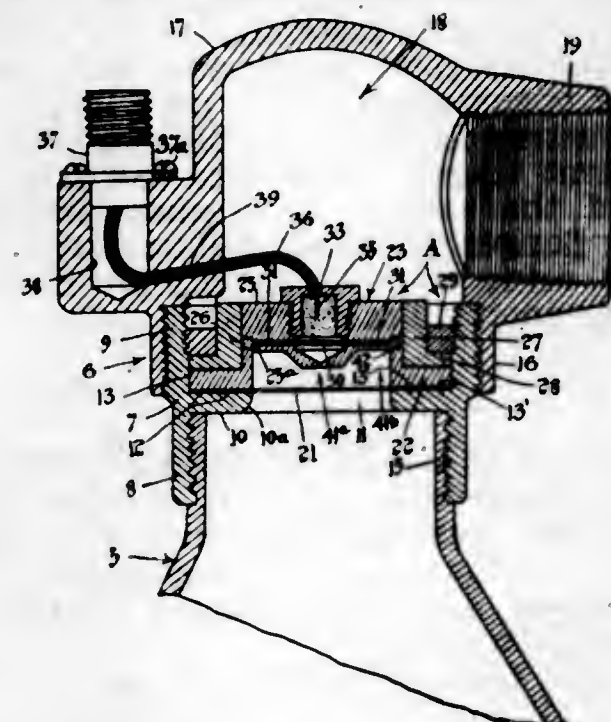
2,436,364

EXPLOSIVE SEALING HEADS FOR CONTAINERS

Creighton Joseph McDowell, Westmount, Quebec, Canada, assignor to Dominion Merchants Company Limited, St. Laurent, Quebec, Canada

Application January 24, 1946, Serial No. 643,178

6 Claims. (Cl. 220-89)



5. A sealing plug assembly comprising a sealing plug including a flange-like marginal portion and a central stem portion projecting above said flange-like marginal portion, said stem portion being provided with an outer circumferential groove located above said flange-like marginal portion and having its lower end cored out to provide a downwardly opening recess whose upper outer corner portion is separated from the inner lower corner portion of said groove by a thin annular wall section, a ring fitted on the upwardly projecting part of said stem portion and covering said groove, a flange projecting outwardly from said ring and resting on the flange-like marginal portion of the plug, said groove and ring conjointly defining an explosion chamber containing an explosive charge and means for igniting said charge, the arrangement being such that the explosion of said charge in said explosion chamber is effected to disrupt the said thin annular wall section separating the inner lower corner portion of the groove from the upper lower corner portion of the recess.

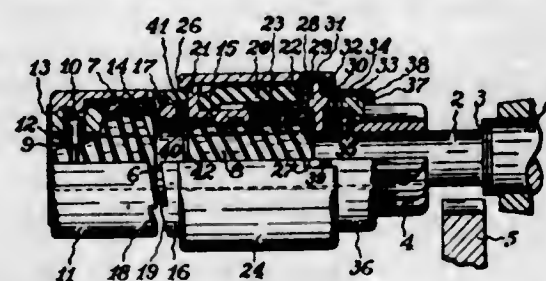
2,436,365

ENGINE STARTER

Donald L. Miller, Pine City, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware

Application October 15, 1945, Serial No. 622,331

9 Claims. (Cl. 74-7)



1. In an engine starter, a motor shaft, a pinion slidably journaled thereon for movement into and out of mesh with an engine gear, means responsive to acceleration of the motor shaft for moving the pinion into mesh with the engine gear and thereafter yieldably connecting the pinion to rotate with the motor shaft, a blocking mem-

ber movable longitudinally along the motor shaft, and means responsive to acceleration of the motor shaft for moving the blocking member into position to hold the pinion in mesh with the engine gear.

2,436,366

PROCESSES FOR CHLORINATION OF HYDROCARBONS

James S. Sconce and Arnold N. Johnson, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

Application November 22, 1943, Serial No. 511,344

5 Claims. (Cl. 204-163)



1. The process for photochemical vapor phase chlorination of paraffinic hydrocarbons of three to seven carbon atoms to yield predominantly trichloride, substantially free from decomposition and secondary reaction products which comprises: (a) continuously forming, in darkness and at a temperature below 120° C., a mixture consisting substantially of gaseous chlorine and a vaporized hydrocarbon, in which the proportion of chlorine is above the range within which such mixtures, when activated, react violently; (b) causing the mixture to flow vigorously through a reaction zone irradiated by actinic light and simultaneously withdrawing heat to limit the temperature rise during the ensuing reaction to a maximum between 200° and 400° C., and yield chiefly the trichloride; (c) continuously deactivating the reaction mixture by causing it to flow through a darkened zone, and there cooling it to below 120° C.; (d) continuously adding to the stream of deactivated mixture more of the hydrocarbon, in amount resulting in a mixture with the residual chlorine in which the proportion of chlorine is still above the range of violent reaction; and (e) treating the augmented mixture in accordance with step (b), to yield more of the trichloride.

2,436,367

ISOMERIZATION PROCESS

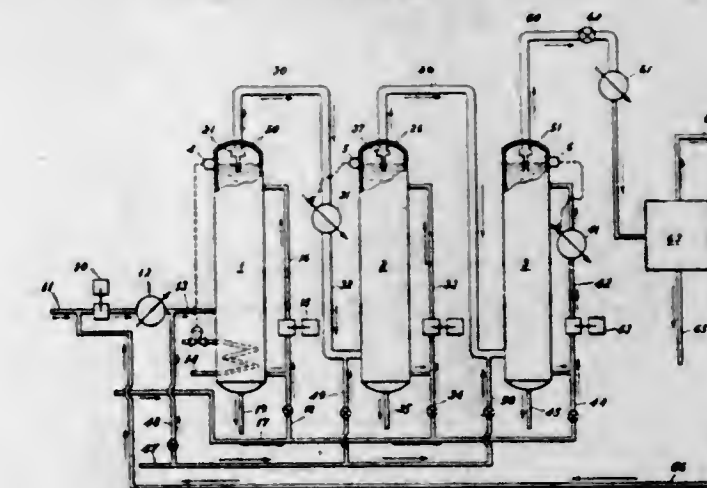
Will Swerdloff, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application November 6, 1944, Serial No. 562,108

9 Claims. (Cl. 260-683.5)

1. A continuous liquid phase stepwise process for isomerizing at least one normal paraffin hy-

drocarbon containing at least four carbon atoms per molecule in the presence of aluminum bromide catalyst dissolved in said hydrocarbon wherein the reaction is carried out in at least two separate liquid phase stages in a primary reaction zone and in at least one succeeding reaction zone and wherein a mixture of isomerized hydrocarbon and unconverted hydrocarbon is removed in the vapor phase from the hydrocarbon solution of said catalyst in the primary reaction zone for transfer to the next succeeding reaction zone which comprises utilizing at least a part of the



heat of condensation of the vapor mixture from said primary reaction zone to maintain the temperature in the next succeeding stage at isomerization conversion level and to vaporize isomerized paraffin hydrocarbon and unreacted normal paraffin hydrocarbon product from the hydrocarbon solution of said catalyst in said succeeding stage by introducing at least a portion of the hydrocarbon removed from the primary zone into the liquid hydrocarbons in the succeeding reaction zone as a vapor without intermediate condensation thereof.

2,436,368

CATALYTIC HYDROGENATION OF AMINO-ACETONITRILE TO ETHYLENE DIAMINE

Arthur G. Weber and Clarence D. Bell, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 27, 1944,

Serial No. 542,434

8 Claims. (Cl. 260-583)

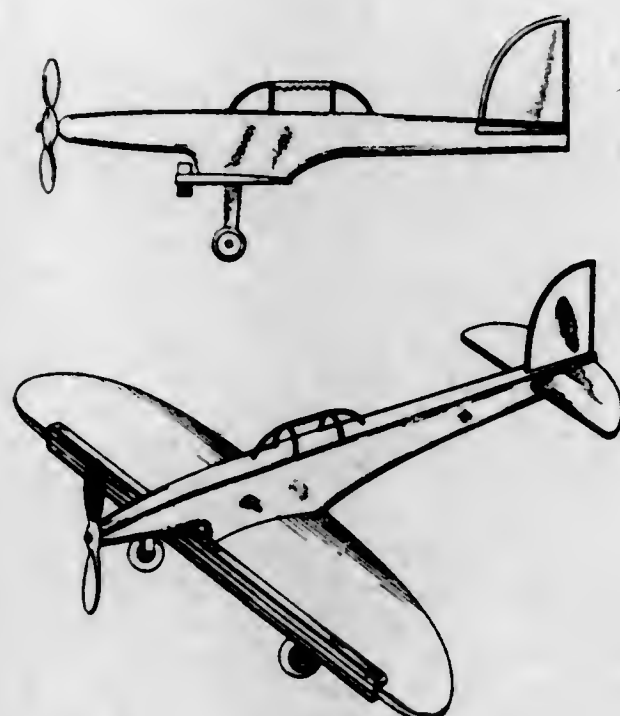
1. In a process for the preparation of ethylene diamine by the hydrogenation of aminoacetonitrile in the presence of ammonia and a cobalt oxide hydrogenation catalyst, the step which comprises conditioning the hydrogenation catalyst during initial operation by conducting the hydrogenation reaction with a flow of ammonia and aminoacetonitrile such that the hottest part of the catalyst bed after being established is, for the first 20 hours of operation, at approximately its initial position in the bed.

DESIGNS

FEBRUARY 17, 1948

148,670

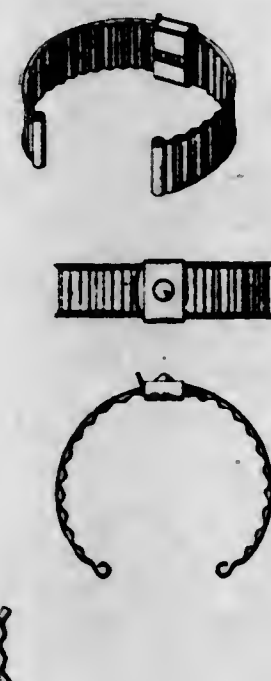
DESIGN FOR A TOY AIRPLANE
Robert B. Atkins, Keltys, Tex.
Application June 20, 1946, Serial No. 130,891
Term of patent 14 years
(Cl. D34-15)



The ornamental design for a toy airplane, as shown.

148,671

DESIGN FOR A WATCH BAND
Paul E. Babin, New Orleans, La.
Application June 17, 1946, Serial No. 130,807
Term of patent 3½ years
(Cl. D45-4)



The ornamental design for a watch band, as shown and described.

148,672

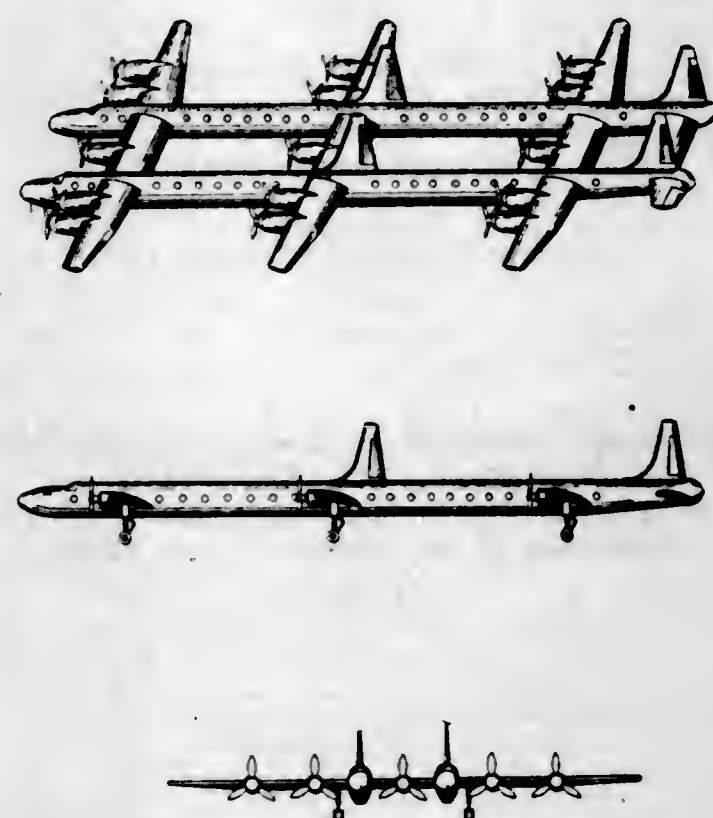
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 11, 1947, Serial No. 136,821
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a pin or similar article, substantially as shown.

148,673

DESIGN FOR AN AIRPLANE
James C. Boyes, San Pedro, Calif.
Application August 2, 1946, Serial No. 132,230
Term of patent 14 years
(Cl. D71-1)



The ornamental design for an airplane, as shown.

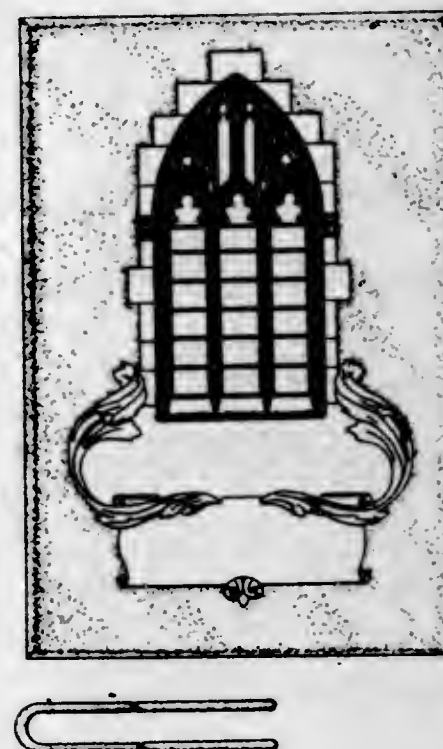
FEBRUARY 17, 1948

U. S. PATENT OFFICE

551

148,674

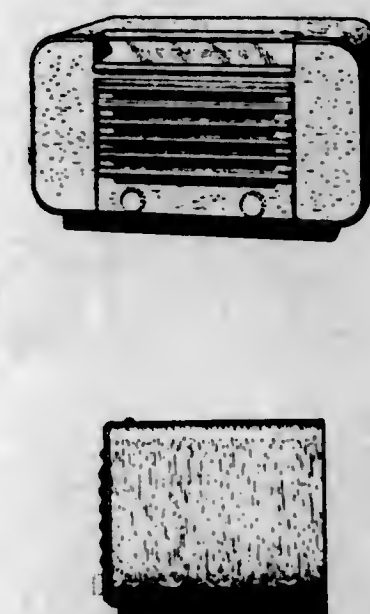
DESIGN FOR A BOOK COVER
Philip M. Brown, Elmhurst, Ill.
Application June 25, 1946, Serial No. 131,001
Term of patent 14 years
(Cl. D6-2)



The ornamental design for a book cover, as shown and described.

148,675

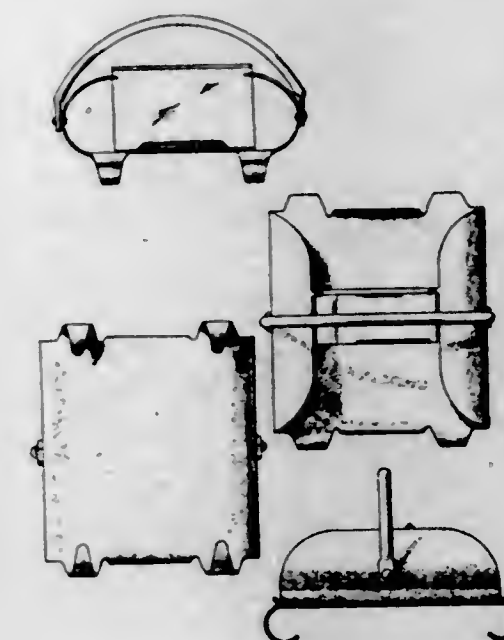
DESIGN FOR A RADIO CABINET OR THE LIKE
Frank C. Burton, Grand Rapids, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 30, 1946, Serial No. 129,139
Term of patent 3½ years
(Cl. D56-4)



The ornamental design for a radio cabinet or the like, as shown.

148,676

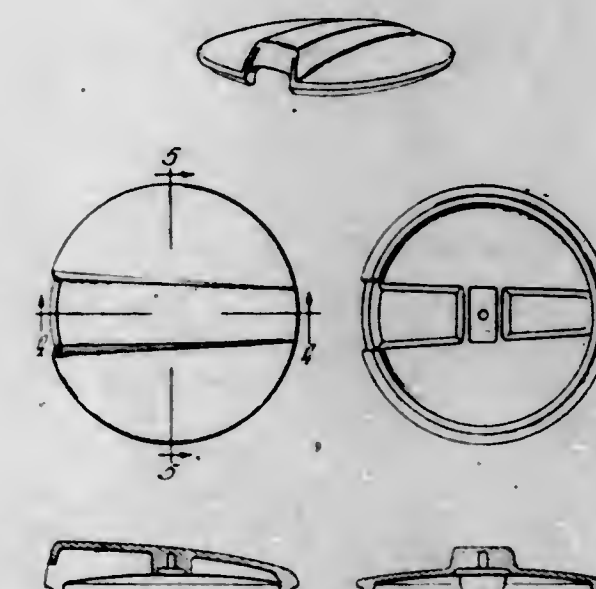
DESIGN FOR A HOLDER FOR PAPER NAPKINS OR SIMILAR ARTICLES
Arthur P. Cary, Dallas, Tex., assignor to Cary Products, Dallas, Tex., a partnership consisting of Arthur P. Cary and Besse Norbury
Application November 22, 1946, Serial No. 135,017
Term of patent 7 years
(Cl. D44-24)



The ornamental design for a holder for paper napkins or similar articles, as shown.

148,677

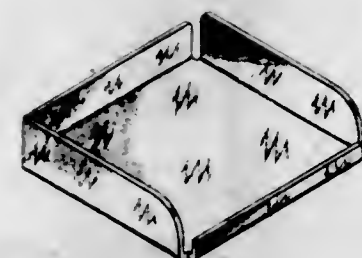
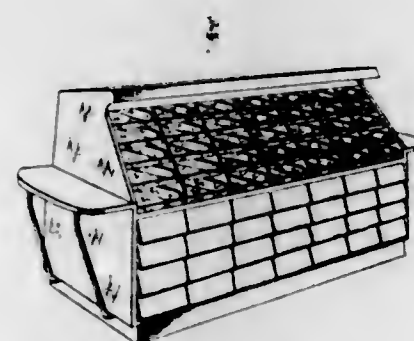
DESIGN FOR A COVER FOR THE SERVING BOWL OF A COFFEE MAKER
Dave Chapman, Chicago, Ill., assignor to Club Aluminum Products Company, Chicago, Ill., a corporation of Illinois
Application August 1, 1946, Serial No. 132,162
Term of patent 14 years
(Cl. D44-26)



The ornamental design for a cover for the serving bowl of a coffee maker, substantially as shown.

148,678

DESIGN FOR A STORE DISPLAY FIXTURE
Edwin C. Dimling, Flushing, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application July 27, 1946, Serial No. 132,013
Term of patent 14 years
(Cl. D80-11)



The ornamental design for a store display fixture, substantially as shown.

148,679

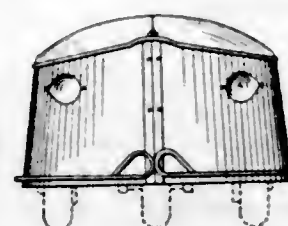
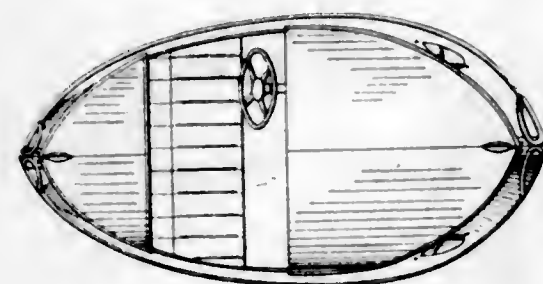
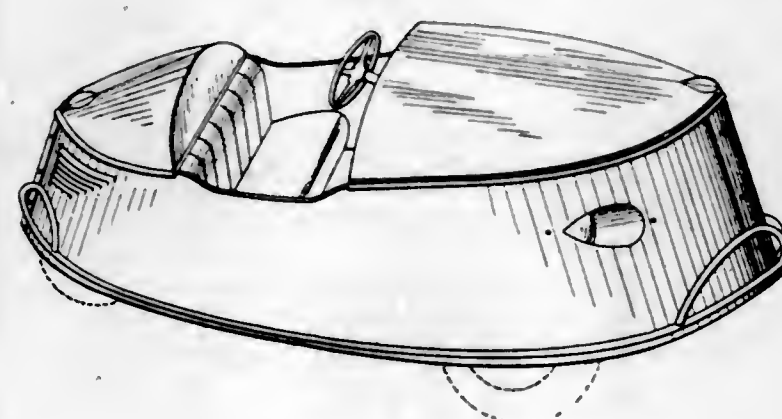
DESIGN FOR AN ILLUMINABLE STATUE BASE
Margaret Dominick, New Brunswick, N. J.
Application August 8, 1947, Serial No. 140,775
Term of patent 7 years
(Cl. D29-23)



The ornamental design for an illuminable statue base, as shown and described.

148,680

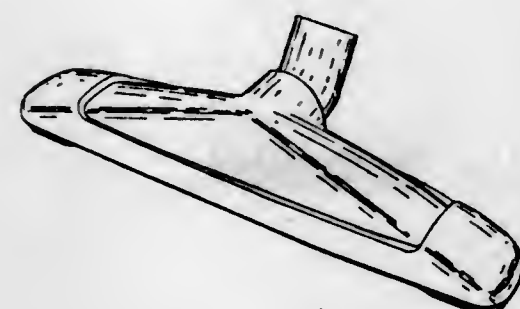
DESIGN FOR A MOTOR VEHICLE
Conrad Douglas, Houston, Tex.
Application August 26, 1946, Serial No. 132,863
Term of patent 7 years
(Cl. D14-3)



The ornamental design for a motor vehicle, as shown and described.

148,681

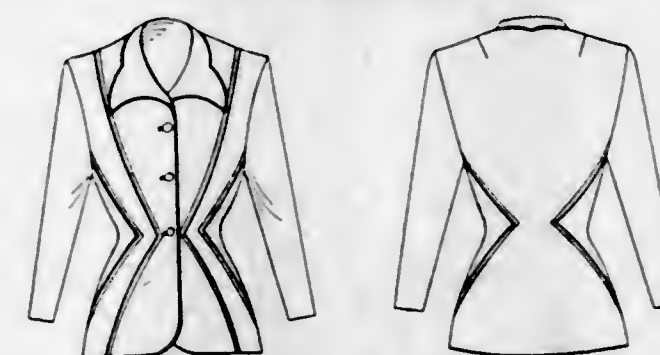
DESIGN FOR A SUCTION CLEANER NOZZLE OR SIMILAR ARTICLE
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 15, 1946, Serial No. 132,565
Term of patent 14 years
(Cl. D9-2)



The ornamental design for a suction cleaner nozzle or similar article, as shown.

148,682

DESIGN FOR A JACKET
Simon Etkin, New York, N. Y.
Application July 15, 1947, Serial No. 140,293
Term of patent 3½ years
(Cl. D3-4)



The ornamental design for a jacket, substantially as shown.

148,683

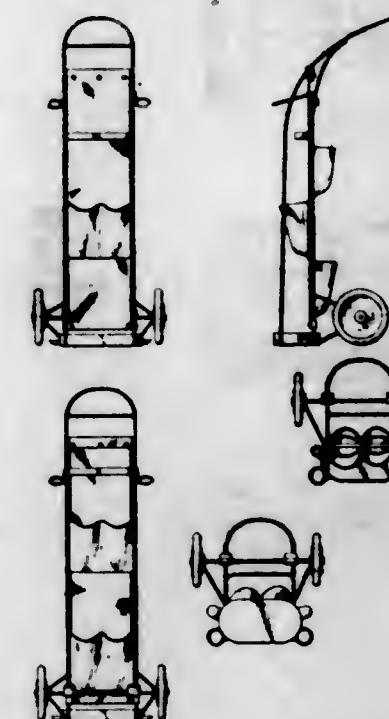
DESIGN FOR A JACKET
Simon Etkin, New York, N. Y.
Application July 15, 1947, Serial No. 140,294
Term of patent 3½ years
(Cl. D3-4)



The ornamental design for a jacket, substantially as shown.

148,684

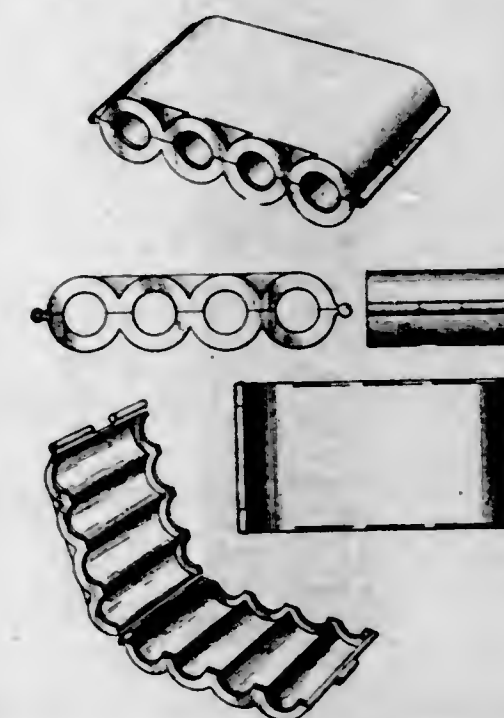
DESIGN FOR A HOUSEHOLD UTILITY CART
Frank P. Fletcher, Pasadena, Calif., assignor to Wendell S. Fletcher, Frank P. Fletcher, and Maurice C. Fletcher, copartners, doing business as Fletcher Aircraft, Burbank, Calif.
Application June 17, 1946, Serial No. 130,778
Term of patent 14 years
(Cl. D14-3)



The ornamental design for a household utility cart, as shown.

148,685

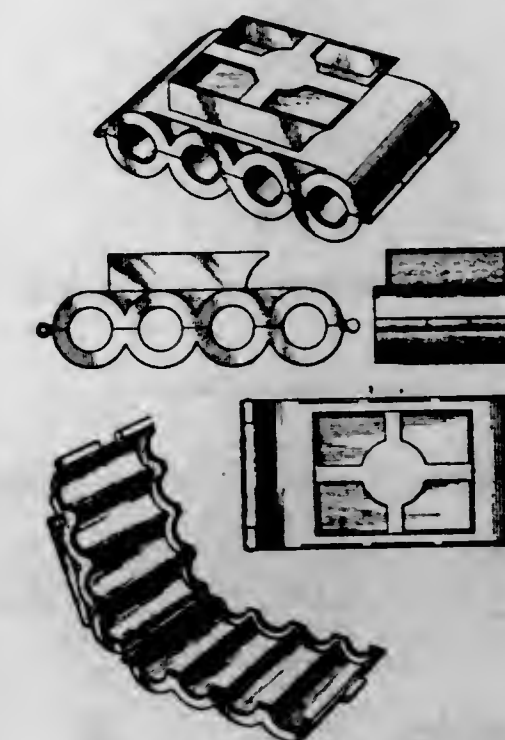
DESIGN FOR A CONTAINER FOR POKER CHIPS
Joseph Foler, Brooklyn, N. Y.
Application March 27, 1946, Serial No. 127,996
Term of patent 3½ years
(Cl. D58-13)



The ornamental design for a container for poker chips, substantially as shown.

148,686

DESIGN FOR A COMBINED POKER CHIP HOLDER AND CARD CASE
Joseph Foler, Brooklyn, N. Y.
Application March 27, 1946, Serial No. 127,997
Term of patent 3½ years
(Cl. D58-13)

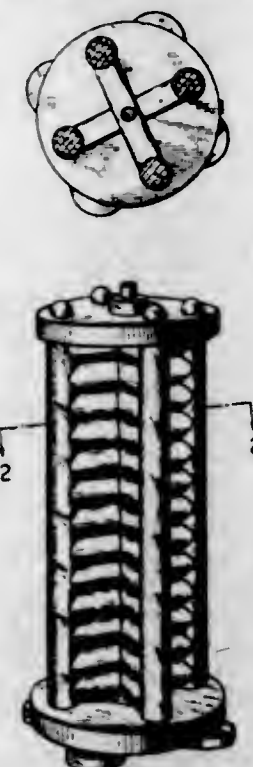


The ornamental design for a combined poker chip holder and card case, substantially as shown.

148,687

DESIGN FOR A LAMPSTAND OR SIMILAR ARTICLE

Clark F. Galehouse, Manhasset, N. Y., assignor to
Arnold Brillhart Ltd., Great Neck, N. Y.
Application April 29, 1946, Serial No. 129,112
Term of patent $3\frac{1}{2}$ years
(Cl. D48-20)



The ornamental design for a lampstand or similar article, as shown.

148,688

DESIGN FOR A NEGLIGEE

Violet Giovagnoni, New York, N. Y.
Application December 30, 1946, Serial No. 135,840
Term of patent 7 years
(Cl. D3-26)



The ornamental design for a negligee, substantially as shown.

148,689

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Beatrice Glass, New York, N. Y.
Application February 11, 1947, Serial No. 136,845
Term of patent $3\frac{1}{2}$ years
(Cl. D45-19)

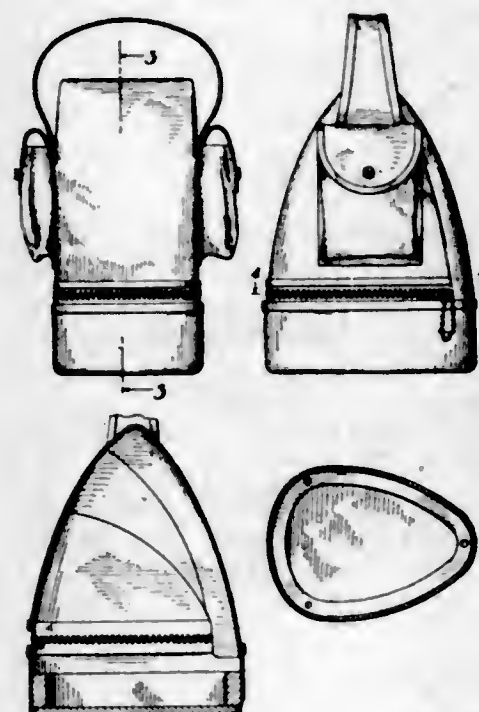


The ornamental design for a brooch or similar article, substantially as shown.

148,690

DESIGN FOR A VIEWER CASE

El Gordon and Henry Sanders,
Los Angeles, Calif.
Application June 29, 1946, Serial No. 131,172
Term of patent $3\frac{1}{2}$ years
(Cl. D61-1)

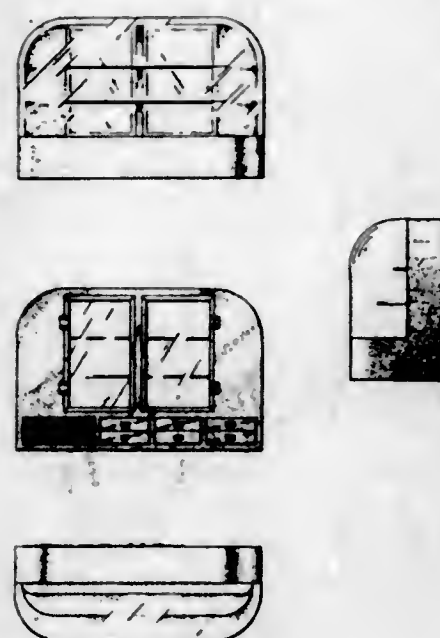


The ornamental design for a viewer case, as shown.

148,691

DESIGN FOR A DISPLAY CABINET

John G. Graef, Dallas, Tex.
Application May 3, 1946, Serial No. 129,284
Term of patent $3\frac{1}{2}$ years
(Cl. D80-11)

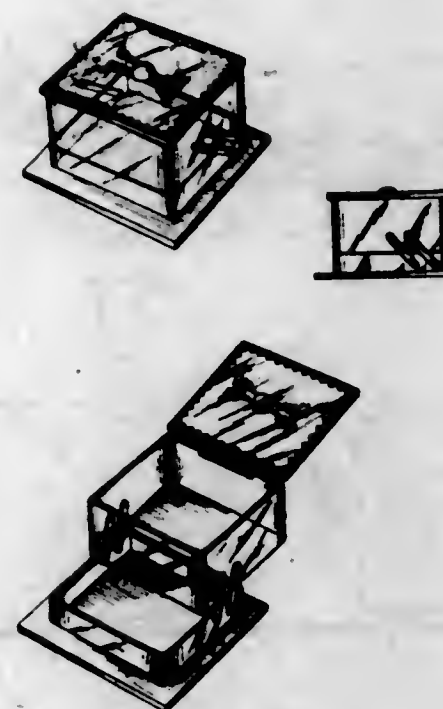


The ornamental design for a display cabinet, as shown.

148,692

DESIGN FOR A COSMETIC DISPLAY BOX

Elizabeth N. Graham, New York, N. Y.
Application September 4, 1947, Serial No. 141,201
Term of patent 14 years
(Cl. D80-5)

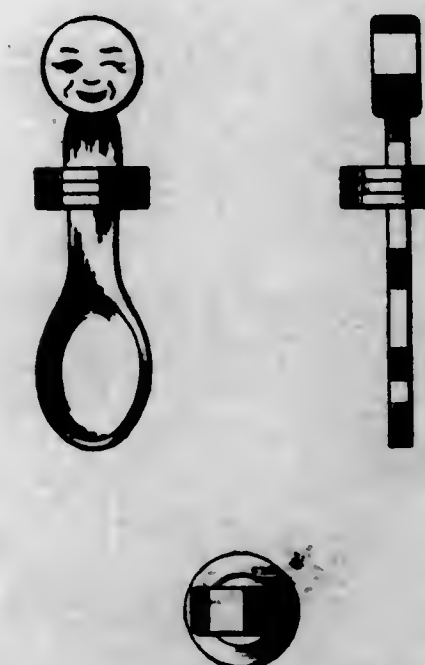


The ornamental design for a cosmetic display box, substantially as shown.

148,693

DESIGN FOR A COMBINED SPOON AND RATTLE

Richard B. Grosvenor, Piqua, Ohio
Application March 23, 1946, Serial No. 127,866
Term of patent $3\frac{1}{2}$ years
(Cl. D34-15)



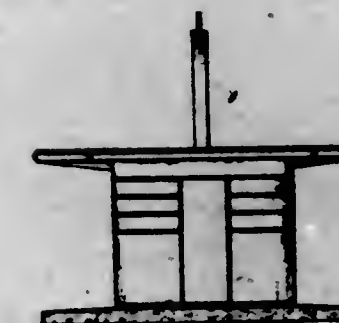
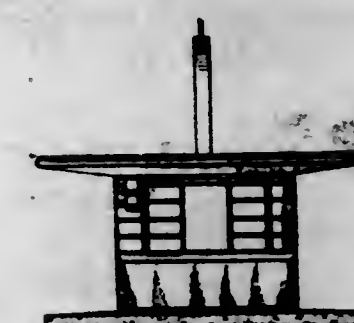
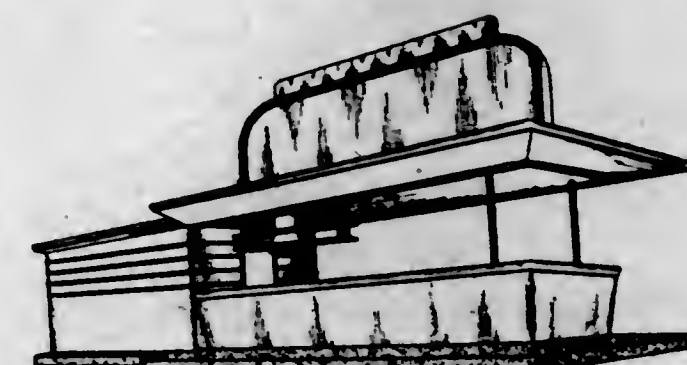
The ornamental design for a combined spoon and rattle, as shown.

607 O. G.-38

148,694

DESIGN FOR A ROADSIDE REFRESHMENT STAND

Frederic S. Grover, Brighton, N. Y., assignor to
Richardson Corporation, Rochester, N. Y., a
corporation of New York
Application August 28, 1946, Serial No. 132,931
Term of patent 14 years
(Cl. D13-1)



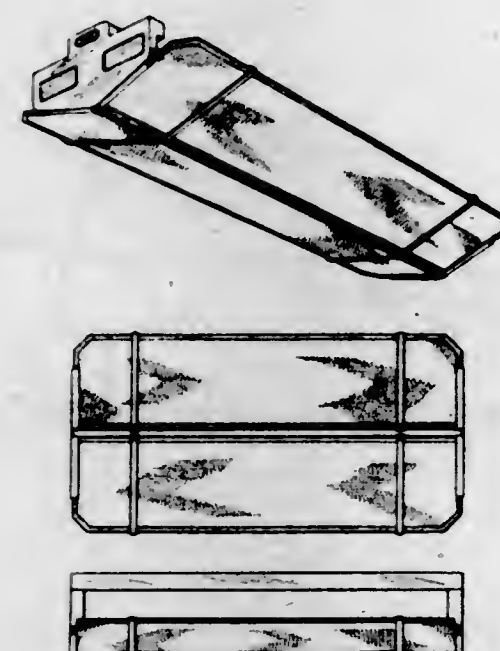
The ornamental design for roadside refreshment stand, as shown.

148,695

DESIGN FOR A LIGHTING FIXTURE

Edwin F. Guth, Florissant, and Ervin C. Koegel,
St. Louis, Mo., assignors to The Edwin F. Guth
Company, St. Louis, Mo., a corporation of Mis-
souri

Application June 22, 1946, Serial No. 130,936
Term of patent 14 years
(Cl. D48—23)



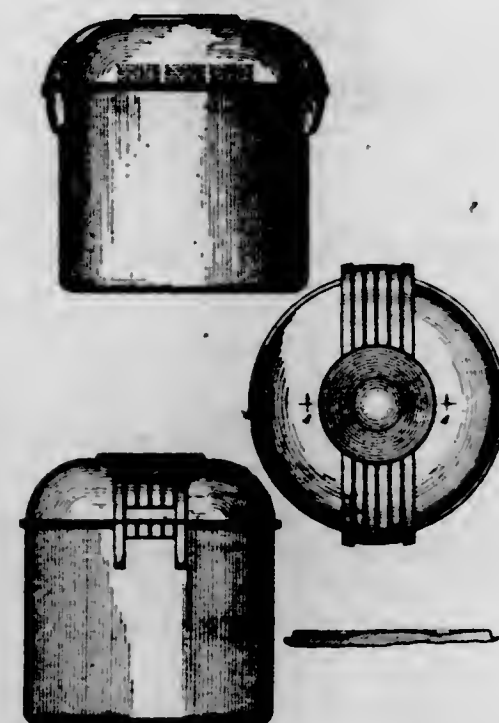
The ornamental design for a lighting fixture,
substantially as shown.

148,696

DESIGN FOR A WASHING MACHINE

Lawrence H. Haase, Evansville, Ind., assignor to
Chicago Electric Manufacturing Company, Chi-
cago, Ill., a corporation of Illinois

Application July 27, 1946, Serial No. 132,058
Term of patent 14 years
(Cl. D49—1)



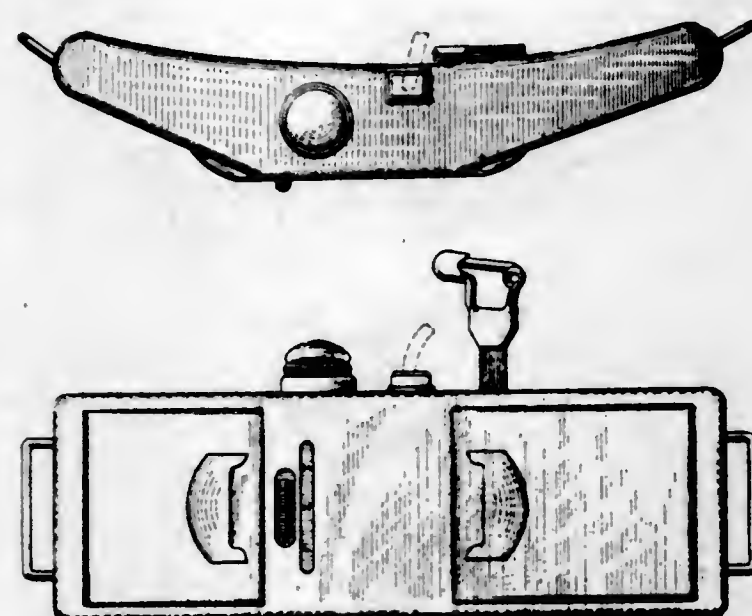
The ornamental design for a washing machine,
as shown and described.

148,697

DESIGN FOR A HEARING AID

Harold E. Haines, Binghamton, N. Y.
Application May 3, 1946, Serial No. 129,245

Term of patent 14 years
(Cl. D26—14)



The ornamental design for a hearing aid, as
shown.

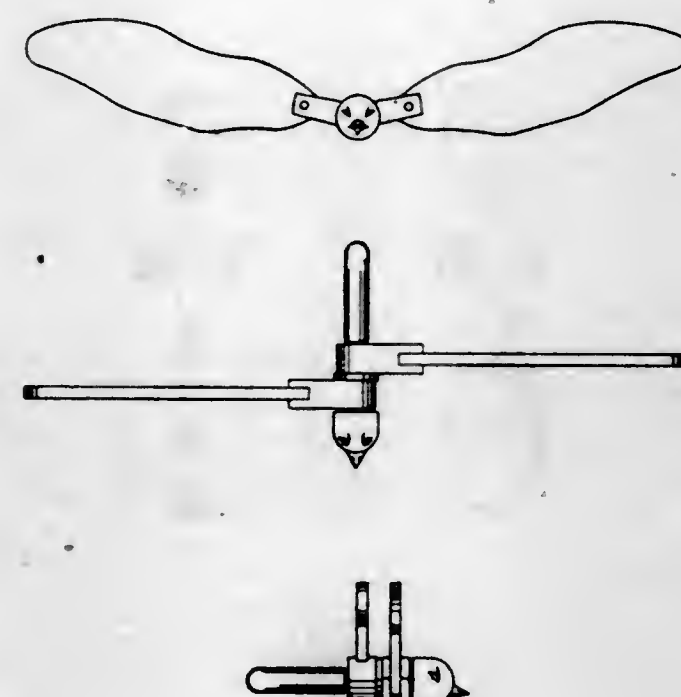
148,698

DESIGN FOR A SPINNING BIRD'S WING TOY

Howard B. Hanes, Fort Dodge, Iowa

Application August 26, 1946, Serial No. 132,841

Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a spinning bird's
wing toy, as shown.

148,699

DESIGN FOR AN OVERSHOE OR SIMILAR WATERPROOF ARTICLE

John Eugene Hard, Cranston, R. I., assignor to
Goodyear Footwear Corporation, Providence,
R. I., a corporation of Delaware

Application May 21, 1946, Serial No. 129,932
Term of patent 14 years
(Cl. D7—4)



The ornamental design for an overshoe or sim-
ilar waterproof article, as shown.

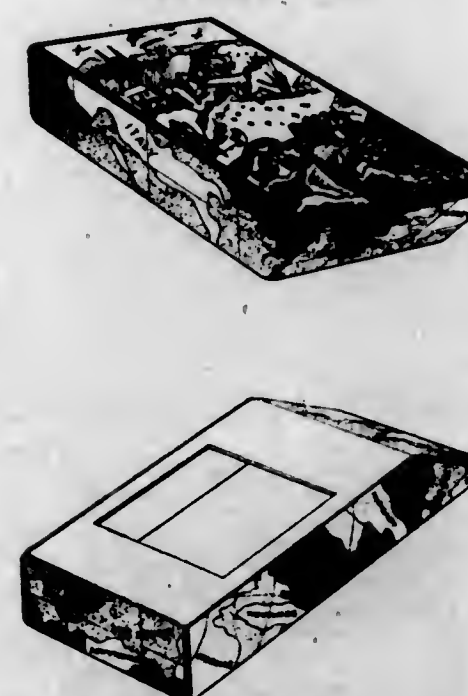
148,700

DESIGN FOR A CONTAINER FOR TOYS AND THE LIKE

T. Barry Hodge, Chicago, Ill.

Application November 29, 1945, Serial No. 124,197

Term of patent 3½ years
(Cl. D58—12)



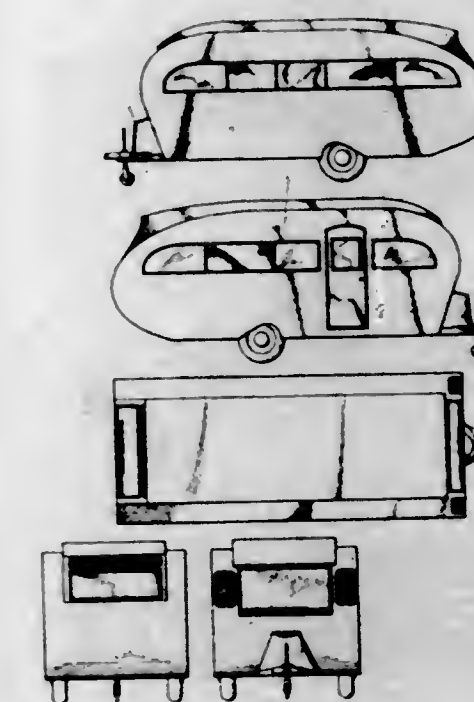
The ornamental design for a container for
toys and the like, substantially as shown and de-
scribed.

148,701

DESIGN FOR A HOUSE TRAILER

Frederick C. Hoffman, Los Angeles, Calif., as-
signor to Aero Lines, Van Nuys, Calif., a cor-
poration of California

Application December 20, 1946, Serial No. 135,641
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a house trailer,
as shown.

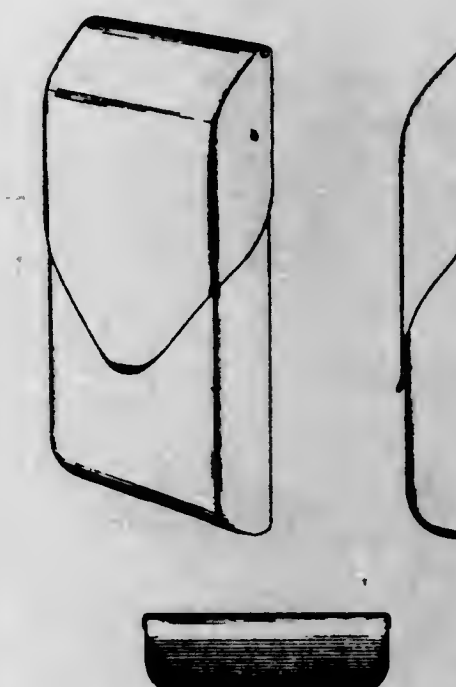
148,702

DESIGN FOR A MAILBOX OR SIMILAR ARTICLE

Gustave Holmgren, Sheboygan Falls, Wis.

Application July 24, 1946, Serial No. 131,874

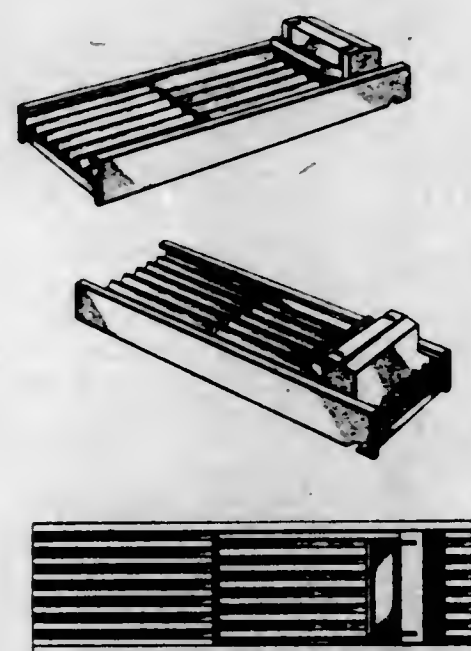
Term of patent 3½ years
(Cl. D74—9)



The ornamental design for a mailbox or similar
article, substantially as shown and described.

148,703

DESIGN FOR A VEGETABLE CUTTER
 Carl B. Ingram, El Monte, and Chester T. Ingram,
 Los Angeles, Calif.
 Application May 8, 1946, Serial No. 129,453
 Term of patent $3\frac{1}{2}$ years
 (Cl. D89-1)



The ornamental design for a vegetable cutter,
 substantially as shown.

148,704

**DESIGN FOR A PERFUME BOTTLE OR
 SIMILAR ARTICLE**
 Charles B. Johnson, Los Angeles, Calif.
 Application June 15, 1946, Serial No. 130,748
 Term of patent $3\frac{1}{2}$ years
 (Cl. D58-6)



The ornamental design for a perfume bottle,
 or similar article, substantially as shown.

148,705

DESIGN FOR A SET OF EDUCATIONAL CARDS
 Shirley Kaufer, Brooklyn, N. Y., assignor to Ed-
 U-Cards, Inc., New York, N. Y., a corporation
 of New York
 Application February 19, 1946, Serial No. 126,696
 Term of patent 7 years
 (Cl. D25-1)



The ornamental design for a set of educational
 cards, substantially as shown and described.

148,706

**DESIGN FOR A COMBINATION STROLLER,
 ROCKER, SLED, AND WALKER**
 Charles V. Kenney, Chicago, Ill.
 Application October 24, 1946, Serial No. 134,196
 Term of patent 14 years
 (Cl. D14-14)



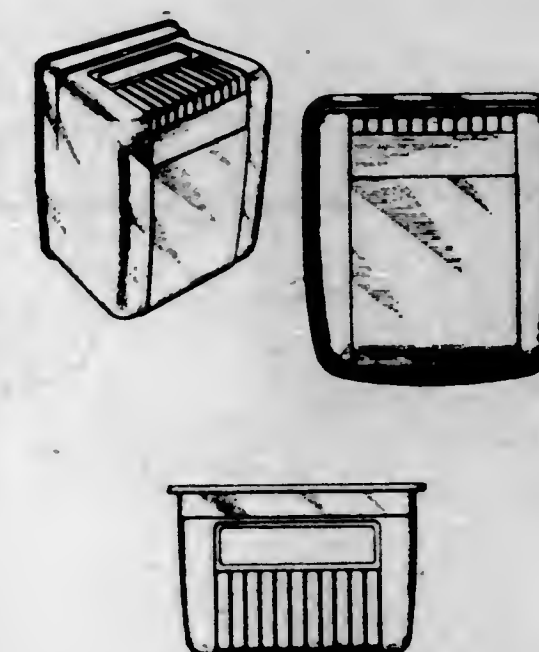
148,706—Continued

148,708

**DESIGN FOR A RECORDER CASING OR
 THE LIKE**
 George H. Kress, Vestal, N. Y., and Carl W. Sund-
 berg, Detroit, Mich., assignors to International
 Business Machines Corporation, New York,
 N. Y., a corporation of New York
 Application December 19, 1946, Serial No. 135,624
 Term of patent 14 years
 (Cl. D26-14)



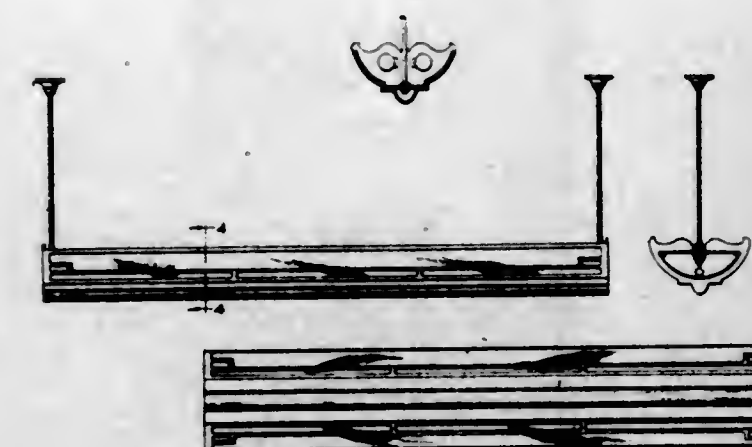
The ornamental design for a combination
 stroller, rocker, sled, and walker, as shown.



The ornamental design for a recorder casing or
 the like, substantially as shown.

148,707

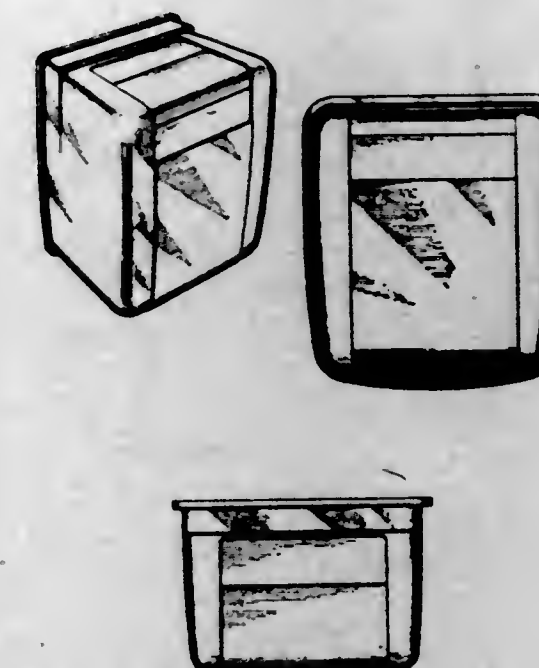
DESIGN FOR A LIGHTING FIXTURE
 Ervin C. Koegel, St. Louis, Mo., assignor to The
 Edwin F. Guth Company, St. Louis, Mo., a cor-
 poration of Missouri
 Application March 14, 1946, Serial No. 127,502
 Term of patent 14 years
 (Cl. D48-23)



The ornamental design for a lighting fixture,
 substantially as shown.

148,709

**DESIGN FOR A CASING FOR A RECORDER
 OR THE LIKE**
 George H. Kress, Vestal, N. Y., and Carl W. Sund-
 berg, Detroit, Mich., assignors to International
 Business Machines Corporation, New York,
 N. Y., a corporation of New York
 Application December 19, 1946, Serial No. 135,625
 Term of patent 14 years
 (Cl. D26-14)



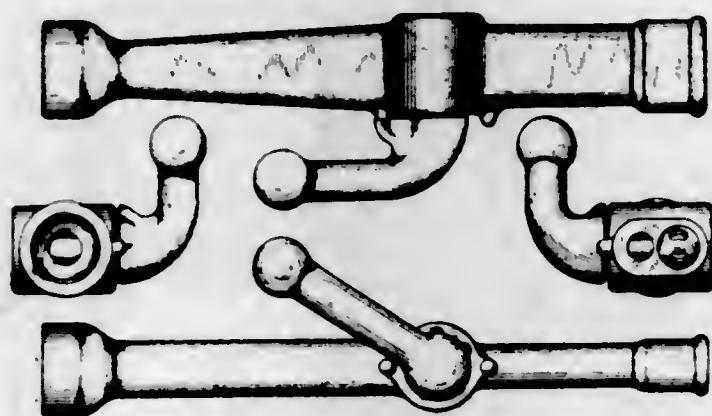
The ornamental design for a casing for a re-
 corder or the like, substantially as shown.

148,710

DESIGN FOR A NOZZLE FOR DRY CHEMICAL FIRE EXTINGUISHER

Amie La Fountain and Arthur B. Gulse, Marinette, Wis., assignors to Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin

Application March 28, 1946, Serial No. 128,033
Term of patent 14 years
(Cl. D16-2)

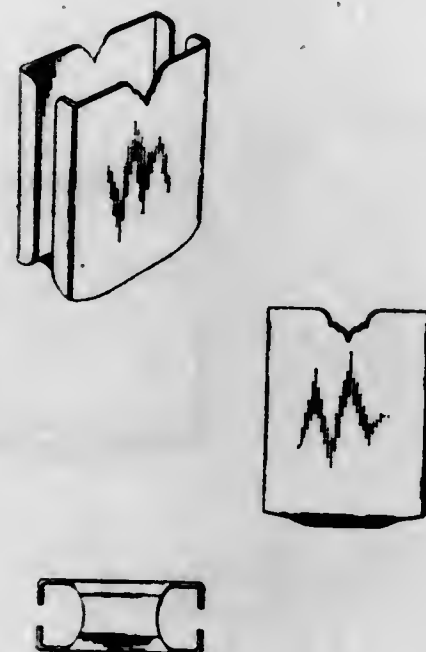


The ornamental design for a nozzle for dry chemical fire extinguisher, as shown.

148,711

DESIGN FOR A CIGARETTE PACKAGE HOLDER

Alfred P. Leiserowitz, Des Moines, Iowa
Application March 15, 1946, Serial No. 127,538
Term of patent 3½ years
(Cl. D85-2)

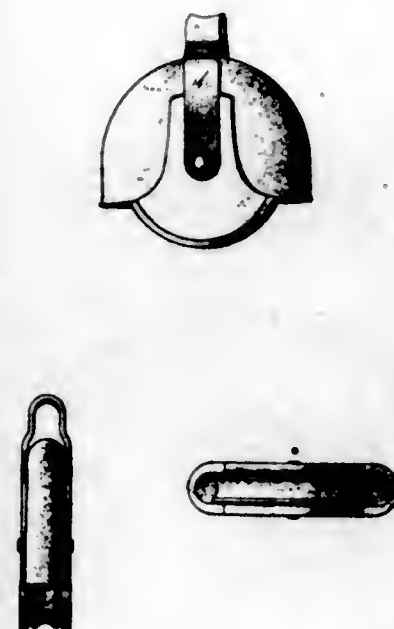


The ornamental design for a cigarette package holder, substantially as shown and described.

148,712

DESIGN FOR A CLOTHESLINE PULLEY OR SIMILAR ARTICLE

Eugene Lorenz, Springfield, N. J.
Application September 4, 1946, Serial No. 133,049
Term of patent 3½ years
(Cl. D41-1)

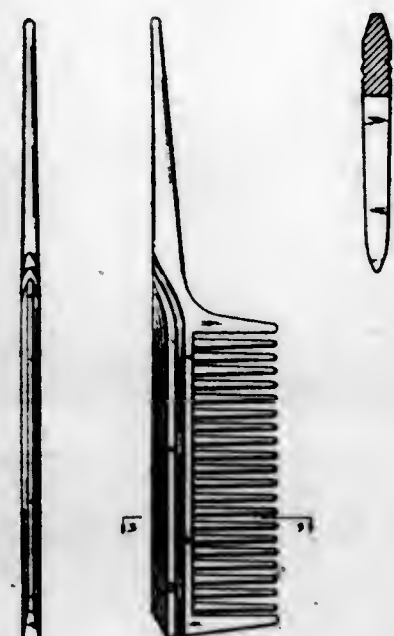


The ornamental design for a clothesline pulley or similar article, as shown.

148,713

DESIGN FOR A COMB

Eugene J. Lux, New York, N. Y., assignor to Columbia Protektoite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application September 14, 1946, Serial No. 133,331
Term of patent 7 years
(Cl. D86-8)



The ornamental design for a comb, substantially as shown.

148,714

DESIGN FOR A COMBINATION BOTTLE OPENER, ICE PICK, ICE CRACKER, AND MUDDLER

Frank McLaughlin and John E. Roberson, New York, N. Y.
Application May 7, 1946, Serial No. 129,393
Term of patent 3½ years
(Cl. D44-29)

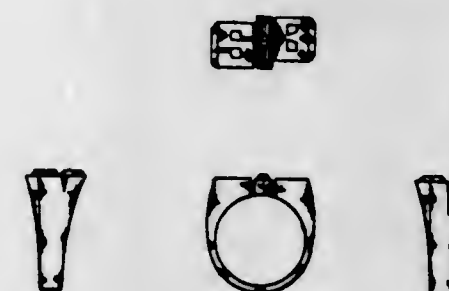


The ornamental design for a combination bottle opener, ice pick, ice cracker, and muddler, substantially as shown.

148,715

DESIGN FOR A FINGER RING

Max F. Madier, New York, N. Y.
Application December 16, 1946, Serial No. 135,535
Term of patent 14 years
(Cl. D45-10)

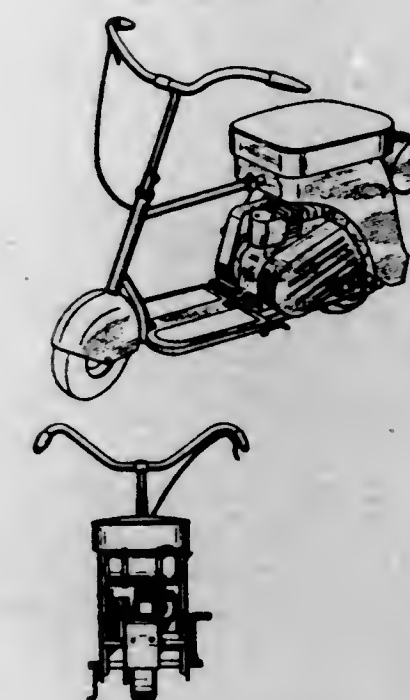
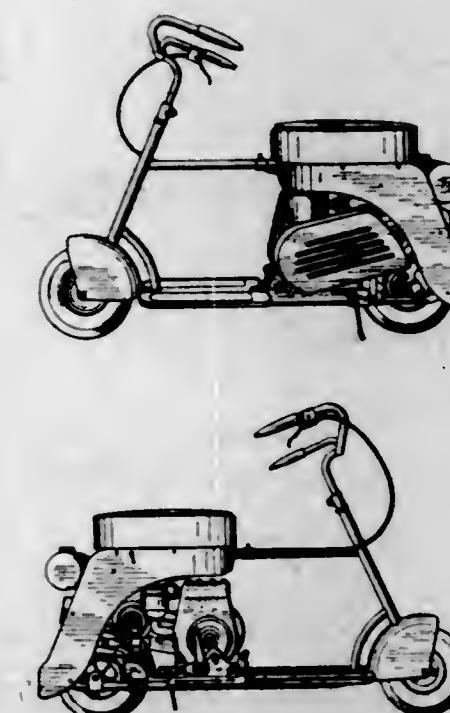


The ornamental design for a finger ring, substantially as shown.

148,716

DESIGN FOR A MOTOR SCOOTER

Harry J. Mertz, Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Application April 15, 1946, Serial No. 128,596
Term of patent 14 years
(Cl. D90-8)

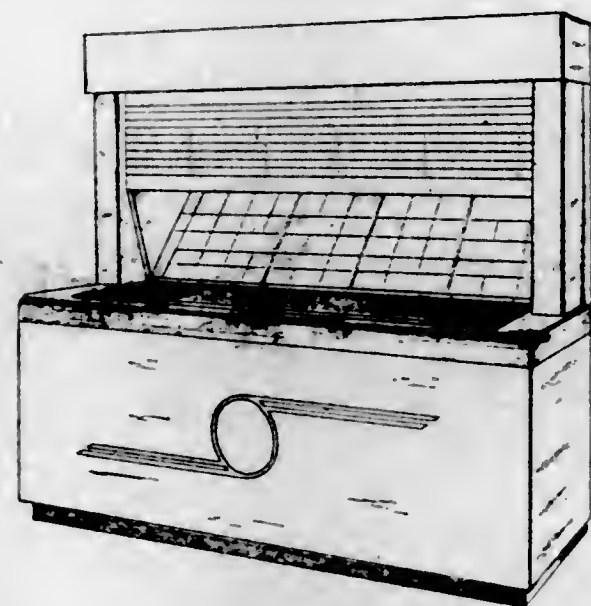


The ornamental design for a motor scooter, as shown.

148,717

DESIGN FOR AN OPEN TYPE SELF-SERVICE FROSTED FOOD DISPLAY CABINET

Albert A. Paley, Kew Gardens, N. Y., assignor to Paley Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
 Application April 22, 1946, Serial No. 128,842
 Term of patent $3\frac{1}{2}$ years
 (Cl. D80—11)

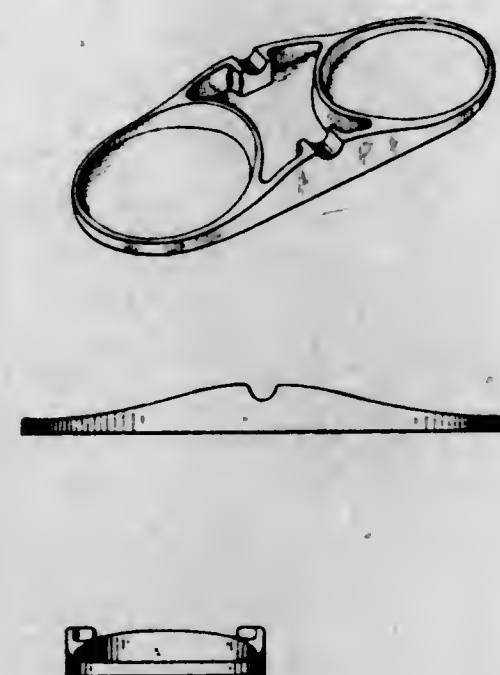


The ornamental design for an open type self-service frosted food display cabinet, as shown.

148,718

DESIGN FOR AN ASH TRAY AND COASTER COMBINATION

Edward R. Peterson, Rockford, Ill.
 Application July 26, 1946, Serial No. 131,959
 Term of patent $3\frac{1}{2}$ years
 (Cl. D85—2)

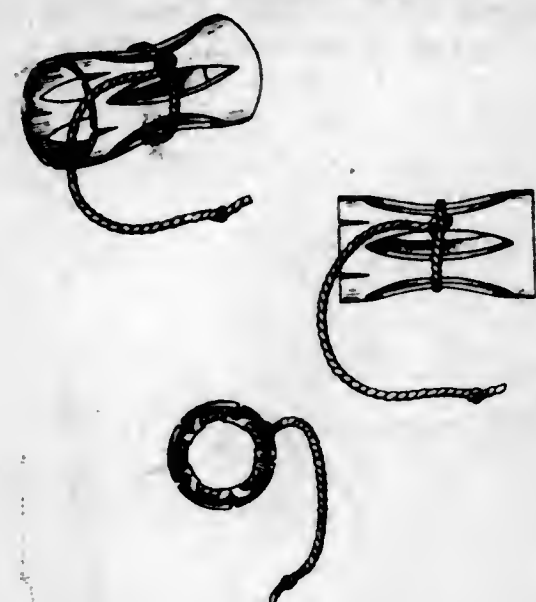


The ornamental design for an ash tray and coaster combination, substantially as shown.

148,719

DESIGN FOR A HAIR CURLING DEVICE

Mario Petitta, New York, N. Y.
 Application May 29, 1947, Serial No. 139,352
 Term of patent $3\frac{1}{2}$ years
 (Cl. D86—10)

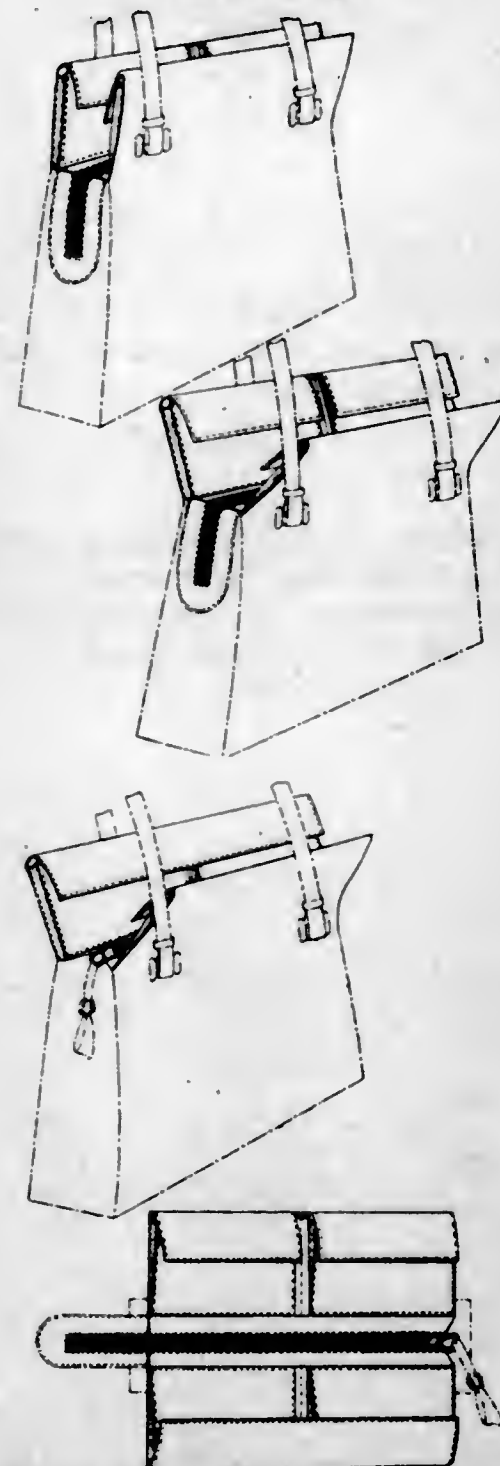


The ornamental design for a hair curling device, substantially as shown.

148,720

DESIGN FOR A HANDBAG

Irving Pichel, New York, N. Y.
 Application January 16, 1947, Serial No. 136,176
 Term of patent $3\frac{1}{2}$ years
 (Cl. D87—3)

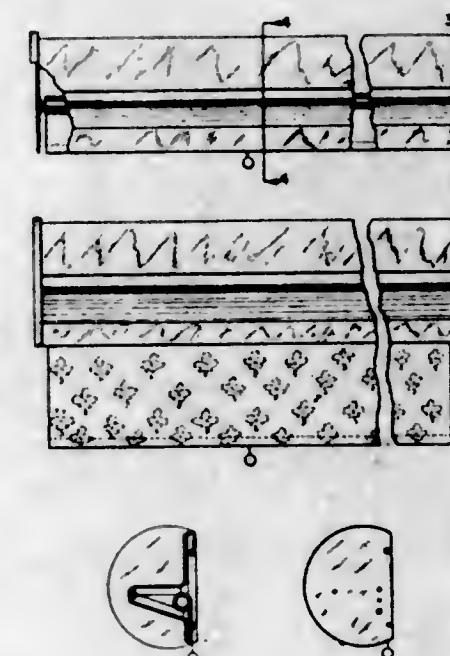


The ornamental design for a handbag, substantially as shown and described.

148,721

DESIGN FOR A COMBINED SHELF AND ROLL CURTAIN WALL PROTECTOR

Edward Prinz, St. Paul, Minn.
 Application September 10, 1945, Serial No. 121,969
 Term of patent 14 years
 (Cl. D21—6)

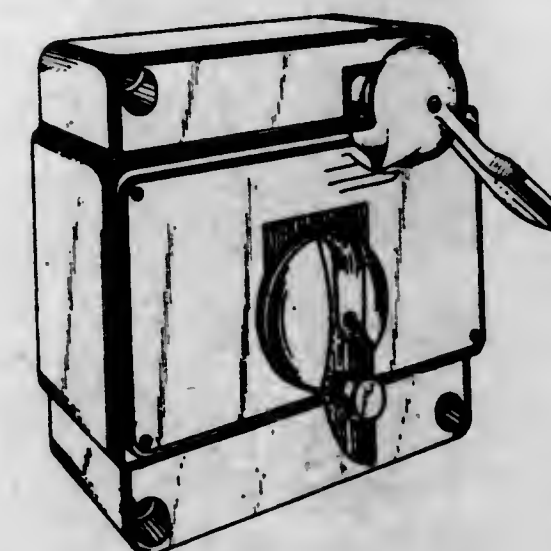


The ornamental design for a combined shelf and roll curtain wall protector, as shown.

148,722

DESIGN FOR A HYDRAULIC CONTROL PANEL

Bernard L. Readman, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
 Application December 22, 1945, Serial No. 125,023
 Term of patent 14 years
 (Cl. D55—1)



The ornamental design for a hydraulic control panel, as shown and described.

148,723

DESIGN FOR A FINGER RING OR SIMILAR ARTICLE

Mary Bing Richey, North Hollywood, Calif.
 Application July 3, 1946, Serial No. 131,307
 Term of patent 14 years
 (Cl. D45—10)

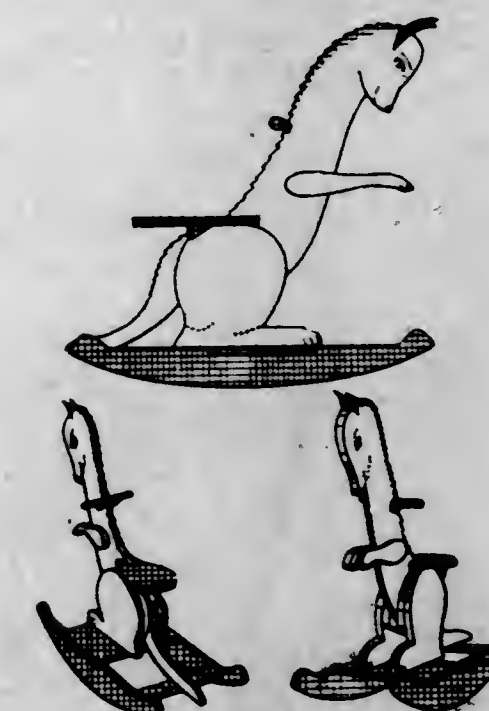


The ornamental design for a finger ring or similar article, substantially as shown.

148,724

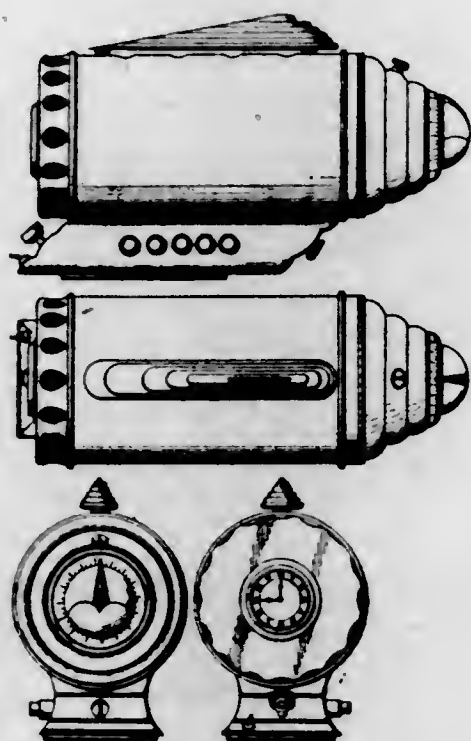
DESIGN FOR A ROCKING ANIMAL FIGURE TOY

Joseph Nicholas Schauenberg, Toronto, Ontario, Canada
 Application October 18, 1946, Serial No. 134,036
 Term of patent $3\frac{1}{2}$ years
 (Cl. D34—15)



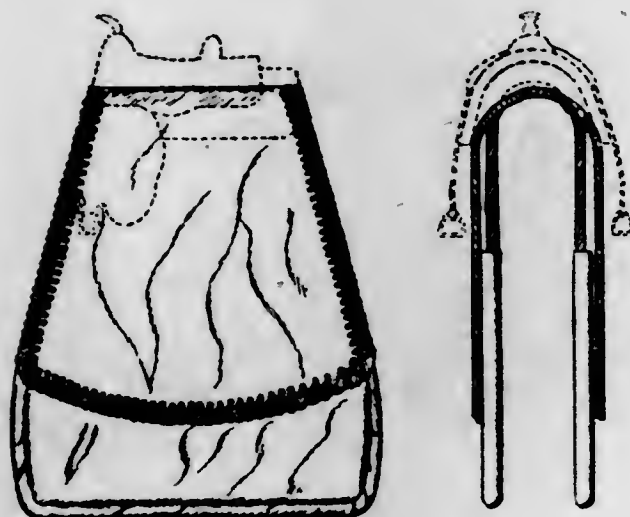
The ornamental design for a rocking animal figure toy, as shown.

148,725
DESIGN FOR A COMBINED PORTABLE RADIO RECEIVER, CAMERA, CLOCK, AND CIGARETTE LIGHTER
 Devendra Nath Sharma, London, England
 Application July 3, 1946, Serial No. 131,294
 Term of patent 14 years
 (Cl. D56-4)



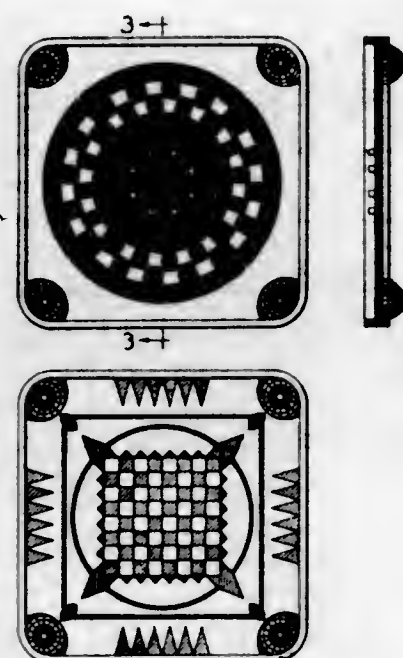
The ornamental design for a combined portable radio receiver, camera, clock, and cigarette lighter, as shown.

148,726
DESIGN FOR A HANDBAG
 Robert D. Singel, Eau Claire, Wis.
 Application September 13, 1946, Serial No. 133,298
 Term of patent 14 years
 (Cl. D87-3)



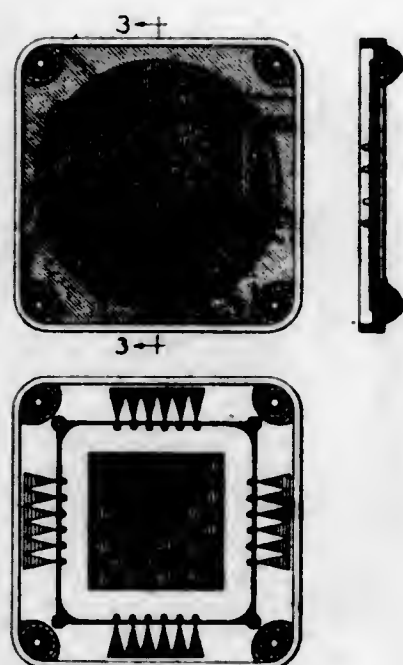
The ornamental design for a handbag, as shown and described.

148,727
DESIGN FOR A GAME BOARD
 Lee Smith and William J. Mueckler, Ludington, Mich., assignors to Carrom Industries, Inc., Ludington, Mich., a corporation of Michigan
 Application November 15, 1946, Serial No. 134,807
 Term of patent 7 years
 (Cl. D34-5)



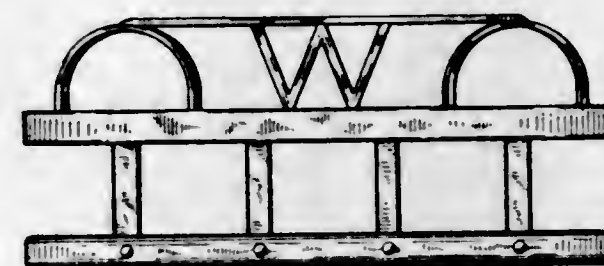
The ornamental design for a game board, substantially as shown and described.

148,728
DESIGN FOR A GAME BOARD
 Lee Smith and William J. Mueckler, Ludington, Mich., assignors to Carrom Industries, Inc., Ludington, Mich., a corporation of Michigan
 Application November 15, 1946, Serial No. 134,808
 Term of patent 7 years
 (Cl. D34-5)



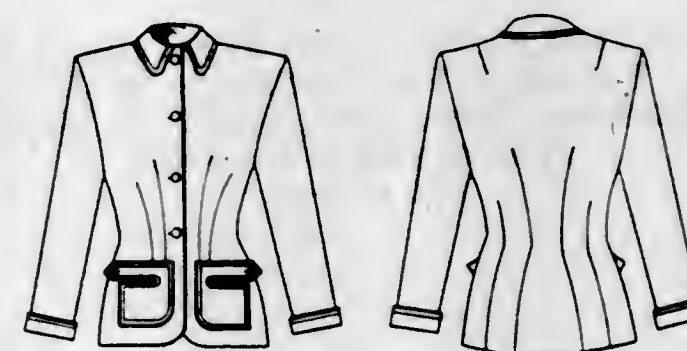
The ornamental design for a game board, substantially as shown and described.

148,729
DESIGN FOR AN AUTOMOTIVE VEHICLE GUARD
 Jake Sterkel, Denver, Colo.
 Application February 4, 1947, Serial No. 136,673
 Term of patent 7 years
 (Cl. D14-6)



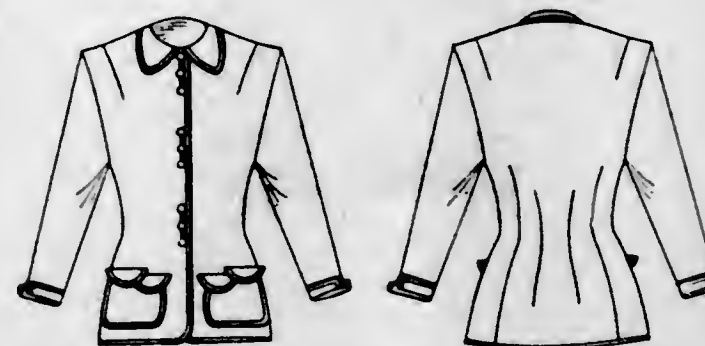
The ornamental design for an automotive vehicle guard, as shown.

148,730
DESIGN FOR A JACKET
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,279
 Term of patent 3½ years
 (Cl. D3-4)



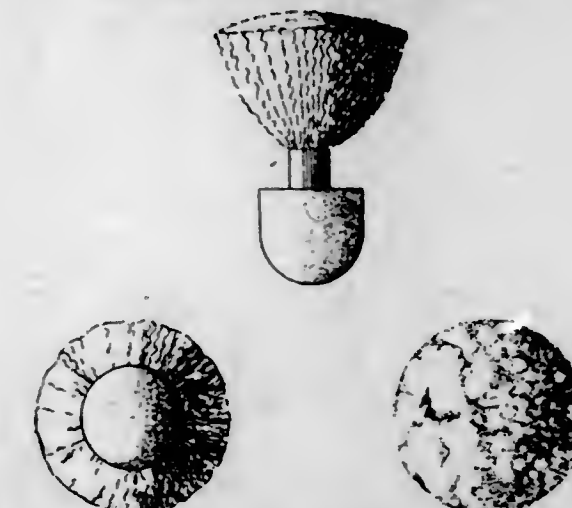
The ornamental design for a jacket, substantially as shown.

148,731
DESIGN FOR A JACKET
 John F. Strassner, New York, N. Y.
 Application July 15, 1947, Serial No. 140,291
 Term of patent 3½ years
 (Cl. D3-4)



The ornamental design for a jacket, substantially as shown.

148,732
DESIGN FOR A BADMINTON SHUTTLECOCK
 Walter J. Studer, Buffalo, N. Y.
 Application March 5, 1946, Serial No. 127,122
 Term of patent 14 years
 (Cl. D34-5)



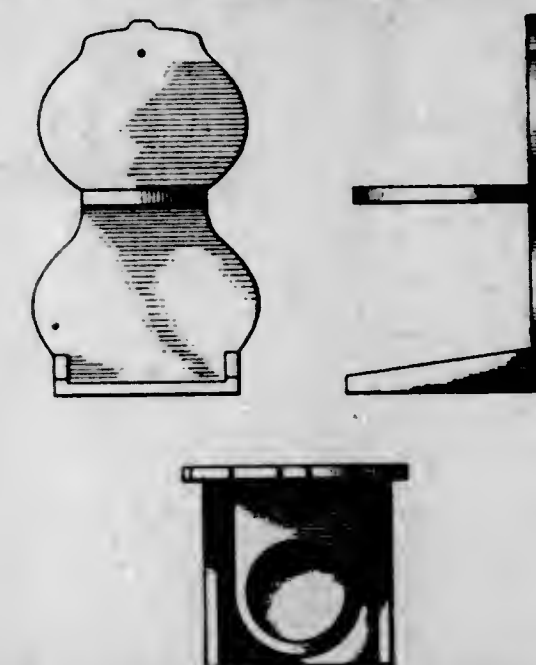
The ornamental design for a badminton shuttlecock, as shown.

148,733
DESIGN FOR A SHUTTLECOCK
 Walter J. Studer, Buffalo, N. Y.
 Application March 5, 1946, Serial No. 127,123
 Term of patent 3½ years
 (Cl. D34-5)



The ornamental design for a shuttlecock, as shown.

148,734
DESIGN FOR A HOLDER FOR A COFFEE MAKER
 Richard C. Tackenberg and Kenneth C. Applegate, Cincinnati, Ohio
 Application July 11, 1946, Serial No. 131,497
 Term of patent 3½ years
 (Cl. D44-26)

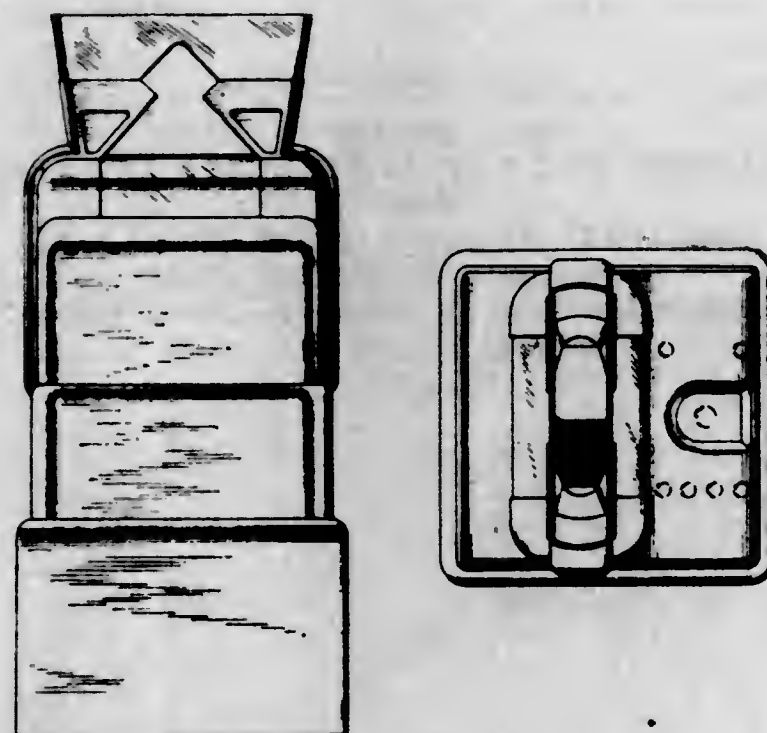
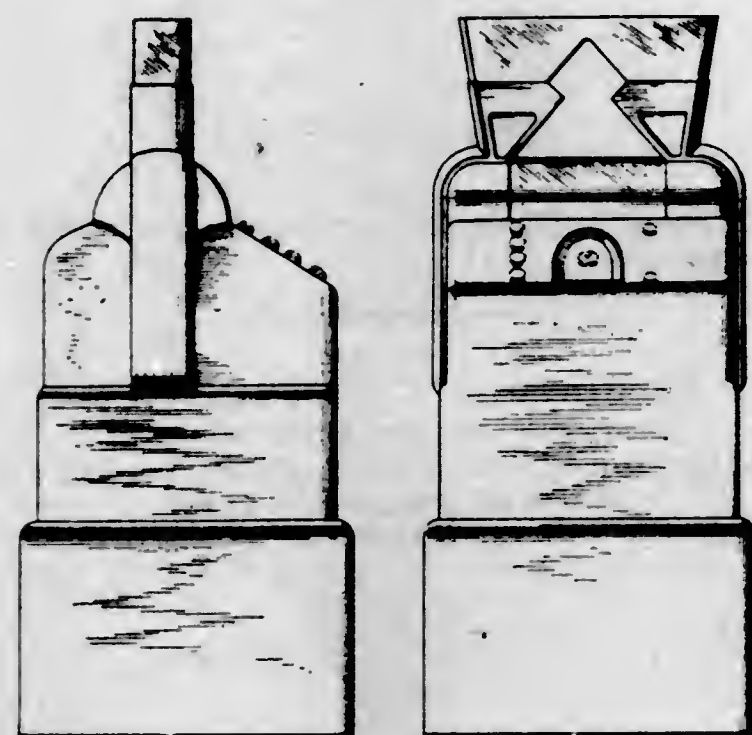


The ornamental design for a holder for a coffee maker, substantially as shown.

148,735

DESIGN FOR A COFFEE ROASTING MACHINE

August S. Torres, Kinderhook, N. Y.
 Application April 9, 1946, Serial No. 128,408
 Term of patent $3\frac{1}{2}$ years
 (Cl. D55-1)

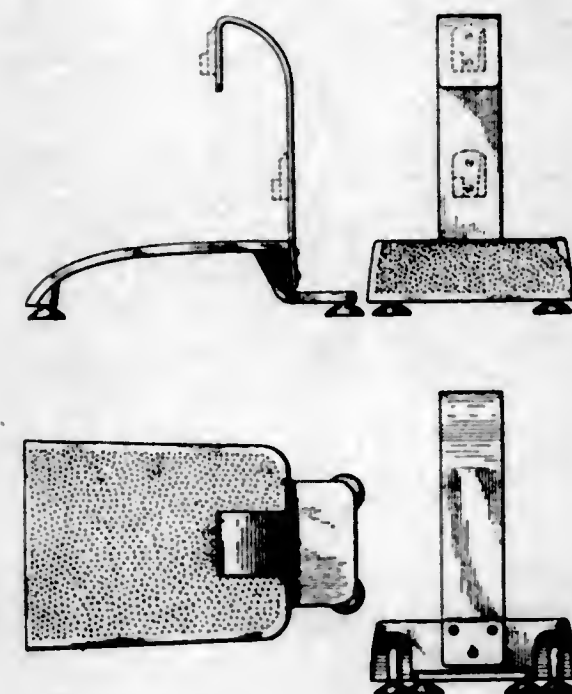


The ornamental design for a coffee roasting machine, as shown.

148,736

DESIGN FOR A DISPLAY STAND

Albert M. Travis, Kansas City, Kans., assignor to
 John C. Hockery, Kansas City, Mo., as trustee
 Application September 3, 1946, Serial No. 133,029
 Term of patent 14 years
 (Cl. D80-9)

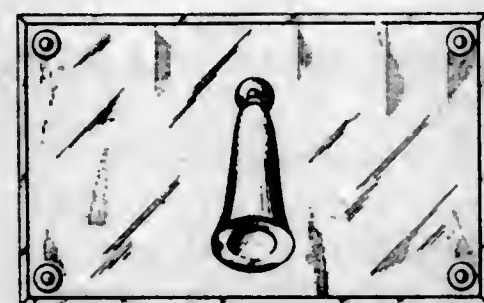


The ornamental design for a display stand, substantially as shown and described.

148,737

DESIGN FOR A FOUNTAIN PEN DESK STAND

Edward J. Vogel, Belleville, N. J.
 Application July 3, 1946, Serial No. 131,293
 Term of patent $3\frac{1}{2}$ years
 (Cl. D74-1)

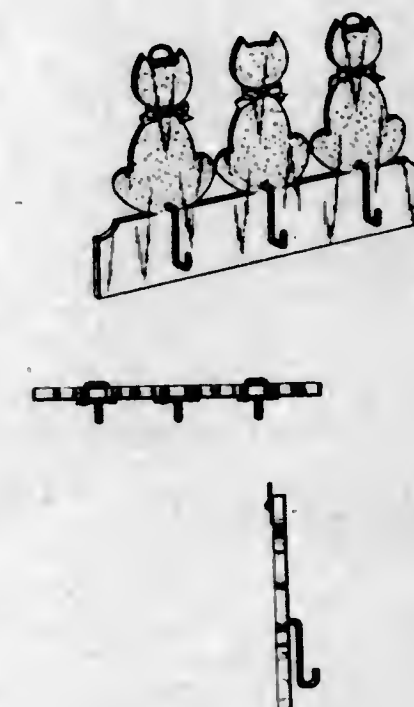


The ornamental design for a fountain pen desk stand, as shown and described.

148,738

DESIGN FOR A POT HOLDER RACK

Helena A. Wild, New York, N. Y.
 Application May 17, 1946, Serial No. 129,769
 Term of patent 7 years
 (Cl. D44-29)

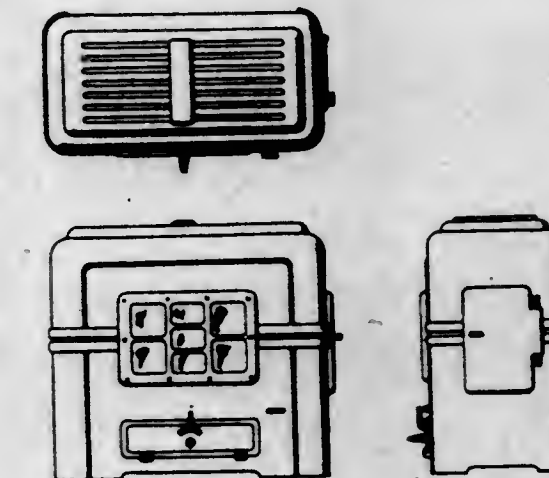


The ornamental design for a pot holder rack, as shown.

148,739

DESIGN FOR A STOVE CASING

Edmund Frederick Wilks, Dover Heights, near
 Sydney, New South Wales, Australia
 Application September 20, 1946, Serial No. 133,474
 In Australia July 1, 1946
 Term of patent 14 years
 (Cl. D81-19)



The ornamental design for a stove casing, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Akron Products Company, The, Akron, Ohio. Adjustable supports for raising or supporting sagging floors. Serial No. 512,476, Feb. 17. Class 12.
- Alexander The Great Products, New York, N. Y. Canned spaghetti, canned spaghetti sauce, canned ravioli, etc. Serial No. 508,773, Feb. 17. Class 46.
- Allen-Howe Electronics Corp., Peabody, Mass. Hearing aids. Serial No. 505,029, Feb. 17. Class 44.
- Allied Food Corporation of America, New York, N. Y. Guava jelly. Serial No. 506,569, Feb. 17. Class 46.
- Alton Laboratories, Inc., Chicago, Ill. Paint. Serial No. 512,102, Feb. 17. Class 16.
- American Candle Co., Inc., Maspeth, Long Island, N. Y. Wax candles. Serial No. 521,233, Feb. 17. Class 15.
- American Rolling Mill Company, The, Middletown, Ohio. Ferrous metal forgings. Serial No. 527,683, Feb. 17. Class 14.
- American Toy & Furniture Company, Chicago, Ill. Electric pyrographic sets consisting of pen, colors, paints, etc. Serial No. 495,943, Feb. 17. Class 50.
- American Umbrella Co., The: See—
Edelstein, Milton.
- American Woolen Company, New York, N. Y. Wool blankets. Serial Nos. 533,113-14, Feb. 17. Class 42.
- American Woolen Company, New York, N. Y. Wool blankets. Serial No. 533,116, Feb. 17. Class 42.
- American Woolen Company, New York, N. Y. Wool blankets. Serial Nos. 533,118-19, Feb. 17. Class 42.
- Ams, Max, Inc., New York, N. Y. Candy bars. Serial No. 525,759, Feb. 17. Class 46.
- "Anchor Plastics Company, Inc.": See—
Fisch, Richard A.
- Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Certain type of naphthas, solvents and base oils. Serial No. 505,173, Feb. 17. Class 6.
- Antaeus Industries, Limited, San Francisco, Calif. Piston rings. Serial No. 523,153, Feb. 17. Class 35.
- Appell, Louis, assignee: See—
Socialite Cosmetics, Inc.
- Armour and Company, Chicago, Ill. Soap. Serial No. 520,011, Feb. 17. Class 6.
- Arrow Brassiere Company, Brooklyn, N. Y. Brassieres. Serial No. 513,999, Feb. 17. Class 39.
- Art Crayon Co., Inc., Brooklyn, N. Y. Dry tempera colors, water colors, tempera and show card colors. Serial No. 526,697, Feb. 17. Class 16.
- Associated Seed Growers, Incorporated, New Haven, Conn. Grass seed. Serial No. 526,544, Feb. 17. Class 1.
- Associated Seed Growers, Incorporated, New Haven, Conn. Grass seed. Serial No. 526,579, Feb. 17. Class 1.
- Bank of America National Trust and Savings Association, San Francisco, Calif. Newspapers. Serial No. 486,135, Feb. 17. Class 38.
- Bateman, William M., doing business as Jungle Juice Products Company, Cleburne, Tex. Maltless soft drinks. Serial No. 519,311, Feb. 17. Class 45.
- Bayou State Oil Corporation, Shreveport, La. Lubricating oil. Serial No. 525,767, Feb. 17. Class 15.
- Bemis Bro. Bag Company, St. Louis, Mo. Canvas tubing. Serial No. 526,855, Feb. 17. Class 34.
- Benson & Hedges, New York, N. Y. Cigarettes. Serial No. 530,799, Feb. 17. Class 17.
- Bissinger Candy Company, The, Cincinnati, Ohio. Candy. Serial Nos. 514,884-5, Feb. 17. Class 46.
- Botany Mills, Inc.: See—
Botany Worsted Mills.
- Botany Worsted Mills, now by change of name Botany Mills, Inc., Passaic, N. J. Porch, deck and floor paint. Serial No. 512,318, Feb. 17. Class 16.
- Boye Needle Company, The, Chicago, Ill. Knitting needles. Serial No. 527,783, Feb. 17. Class 40.
- Bradford, James J., Burbank, Calif. Paper film mounts. Serial No. 520,681, Feb. 17. Class 37.
- Branstead Still and Sterilizer Co., Boston, Mass. Liquid stills, sterilizers and parts thereof. Serial No. 515,858, Feb. 17. Class 23.
- Briggs-Shaffner Company, Winston-Salem, N. C. Coasters and salt and pepper shakers. Serial No. 514,002, Feb. 17. Class 2.
- Brookfield Laboratories, Brookfield, Ill. Medicinal preparation. Serial No. 532,552, Feb. 17. Class 6.
- Brookfield Laboratories, Brookfield, Ill. Medicinal preparation. Serial No. 532,555, Feb. 17. Class 6.
- Brookfield Mills, Inc., East Brookfield, Mass. Coated cotton piece goods. Serial Nos. 532,269-70, Feb. 17. Class 42.
- Brook-Maid Food Co., Inc., Brooklyn, N. Y. Canned and bottled foods. Serial No. 511,793, Feb. 17. Class 46.
- Burbank Chemical Company, Burbank, Calif. Nitro cellulose bases. Serial No. 505,797, Feb. 17. Class 1.
- Buscarlet Glove Company, Inc., New York, N. Y. Leather gloves. Serial No. 532,557, Feb. 17. Class 39.
- Calico Printers' Association Limited, The, Manchester, England. Piece goods of cotton, silk, rayon, etc. Serial No. 521,631, Feb. 17. Class 42.
- Cambridge Tile Mfg. Co., The, Cincinnati, Ohio. Pasty cement. Serial No. 518,815, Feb. 17. Class 12.
- Candyland: See—
Cohen, Nathan.
- Cardmaster Company: See—
Doppelt, Max J.
- Chain Store Root Beer Co., Inc., Rochester, N. Y. Carbonated beverages. Serial No. 526,611, Feb. 17. Class 45.
- Champagne, Eraste, Lafayette, La. Ointment. Serial No. 533,701, Feb. 17. Class 6.
- Champion Paper and Fibre Company, The, Hamilton, Ohio. Cast coated paper. Serial No. 527,202, Feb. 17. Class 37.
- Chocolate Man, Inc., The, New York, N. Y. Candles. Serial No. 524,298, Feb. 17. Class 46.
- Church Arts Company, Inc., New York, N. Y. Vestment fabrics and drapery fabrics in the piece. Serial No. 514,689, Feb. 17. Class 42.
- Cinderella Unusual Cosmetics: See—
Riddick, John B., Jr.
- Clark, Robert L., Mount Sterling, Iowa. Hounds (hunting dogs). Serial No. 514,576, Feb. 17. Class 1.
- Cleveland Institute of Radio Electronics, Cleveland, Ohio. Technical, service and correspondence school publications on radio and radio electronics. Serial No. 517,833, Feb. 17. Class 38.
- Cohen, Joseph H., & Sons, Inc., New York, N. Y. Men's clothing. Serial No. 501,638, Feb. 17. Class 39.
- Cohen, Nathan, doing business as Candyland, Sioux City, Iowa. Candles. Serial No. 525,094, Feb. 17. Class 46.
- Consolidated Engineering Corporation, Pasadena, Calif. Orthodontic appliances. Serial No. 495,866, Feb. 17. Class 44.
- Construction Materials Co., Tucson, Ariz. Adobe bricks. Serial No. 525,547, Feb. 17. Class 12.
- Contact Products, Inc., Los Angeles, Calif. Blank pressure-sensitive labels. Serial No. 523,136, Feb. 17. Class 37.
- Coronet Mills, Inc., New York, N. Y. Ladies slips, panties, nightgowns, etc. Serial Nos. 532,122-3, Feb. 17. Class 39.
- Corset Accessories Co., Inc., New York, N. Y. Bust pads, corset hooks and buckles, etc. Serial No. 517,184, Feb. 17. Class 40.
- Crane Co., Chicago, Ill. Plumbing faucets. Serial No. 522,427, Feb. 17. Class 13.
- Crosland, Mary-Thelma, doing business as Mor-Art Company, Eugene, Oreg. Cosmetics. Serial No. 517,356, Feb. 17. Class 6.
- Crownover, John M., Tulsa, Okla. Non-precious collar buttons. Serial No. 516,539, Feb. 17. Class 40.
- Dedal Products, Inc., Middle Village, Long Island, N. Y. Photographic equipment and supplies. Serial No. 504,967, Feb. 17. Class 26.
- Delaware Floor Products, Inc., Wilmington, Del. Composition floor coverings. Serial No. 521,568, Feb. 17. Class 20.
- Dixon-Bartlett Company, Baltimore, Md. Misses' and women's shoes. Serial No. 501,241, Feb. 17. Class 39.
- Doneff, Nicola, New York, N. Y. Mechanically grooved phonograph records. Serial No. 520,383, Feb. 17. Class 36.
- Doppelt, Max J., doing business as Cardmaster Company, Chicago, Ill. Stencil duplicator machines. Serial No. 527,127, Feb. 17. Class 37.
- Duet Products Company, Portland, Oreg. Wax polish for automobiles. Serial No. 511,457, Feb. 17. Class 16.
- Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Rubber solvent. Serial No. 530,727, Feb. 17. Class 6.
- Du Pont, E. I., de Nemours and Company, Wilmington, Del. Cellular cellulose acetate. Serial No. 521,727, Feb. 17. Class 1.
- Eagle-Ottawa Leather Company, Grand Haven, Mich. Leather. Serial No. 522,830, Feb. 17. Class 1.
- Eagle-Ottawa Leather Company, Grand Haven, Mich. Leather. Serial No. 522,857, Feb. 17. Class 1.
- Eagle-Ottawa Leather Company, Grand Haven, Mich. Leather. Serial No. 522,862, Feb. 17. Class 1.
- Edelstein, Milton, doing business as The American Umbrella Co., New York, N. Y. Umbrellas. Serial No. 518,210, Feb. 17. Class 41.

LIST OF TRADE-MARK APPLICANTS

Edroy Products Company: See—

Herbert, Edward J.

Elbon Laboratories: See—

McNulty, William J.

Elmore Silver Co., Inc., The, Meriden, Conn. Forks, knives, spoons, etc. Serial No. 524,122, Feb. 17. Class 28.

Elmore Silver Co., Inc., The, Meriden, Conn. Forks, knives, spoons, etc. Serial No. 524,388, Feb. 17. Class 28.

Elmore Silver Co., Inc., The, Meriden, Conn. Forks, knives, spoons, etc. Serial No. 524,390, Feb. 17. Class 28.

Elmore Silver Co., Inc., The, Meriden, Conn. Forks, knives, spoons, etc. Serial No. 524,531, Feb. 17. Class 28.

Ero Manufacturing Company, Chicago, Ill. Metal furniture. Serial No. 517,188, Feb. 17. Class 32.

Felts, Inc., New York, N. Y. Hat bodies and hoods for men's, women's and children's hats. Serial No. 536,071, Feb. 17. Class 39.

Fibre Cord Division of Kary-Safe Paper Bag Co., Inc., New York, N. Y. Ribbon, used for tying up, and ornamenting packages, boxes, etc. Serial Nos. 518,288-9, Feb. 17. Class 7.

Fisch, Richard A., doing business of "Anchor Plastics Company, Inc.", New York, N. Y. Narrow belting, plastic stripping or tape. Serial No. 517,841, Feb. 17. Class 40.

Flat-Top Cooking Utensils, Inc., Norwalk, Conn. Metal cooking utensils. Serial No. 520,807, Feb. 17. Class 13.

Florell, Walter, Incorporated, New York, N. Y., and elsewhere. Perfume and toilet water. Serial No. 515,547, Feb. 17. Class 6.

Florida Ramie Products, Inc., West Palm Beach, Fla. Ramie meal used in stock and poultry feed mixtures. Serial No. 507,676, Feb. 17. Class 46.

Forman, Ford and Co., Minneapolis, Minn. Petroleum paint thinner and paint brush cleaner. Serial No. 528,930, Feb. 17. Class 10.

Fournier, Peter, doing business as Trenton Heating & Manufacturing Company, Trenton, Mich. Liquid fuel burning space heaters and parts thereof. Serial No. 528,729, Feb. 17. Class 34.

Fricke Dental Manufacturing Co.: See—

Fricke, Lawrence R.

Fricke, Lawrence R., doing business as Fricke Dental Manufacturing Co., Chicago, Ill. Materials for making dentures, jacket crowns, inlays, etc. Serial No. 527,098, Feb. 17. Class 44.

Galree Products Co., Inc., New York, N. Y. Moth preventative and insecticide. Serial No. 530,398, Feb. 17. Class 6.

Gates Rubber Company, The, Denver, Colo. Camelback. Serial No. 515,028, Feb. 17. Class 35.

Gladding, B. F., & Co., Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,064, Feb. 17. Class 22.

Grain Processing Corporation, Muscatine, Iowa. Anti-freeze composition. Serial No. 533,883, Feb. 17. Class 6.

Greberman, David, doing business as Physicians Equipment Company, Philadelphia, Pa. Apparatus for making fluoroscopic and radiographic examinations of the human body, and accessories thereof. Serial No. 485,082, Feb. 17. Class 44.

Groat & Company, Limited, Great Yarmouth, England. Personal toilet articles. Serial No. 499,132, Feb. 17. Class 42.

Grovine Dress Co., Inc., New York, N. Y. Ladies' dresses. Serial No. 537,452, Feb. 17. Class 39.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. Serial No. 517,413, Feb. 17. Class 27.

Guth, Edwin F., Company, The, St. Louis, Mo. Chandeliers and other supporting fixtures for lights. Serial No. 527,023, Feb. 17. Class 34.

Hall, C. P., Company, The, Akron, Ohio. Plasticizer, tackifier and extender. Serial No. 528,789, Feb. 17. Class 6.

Hall, C. P., Company, The, Akron, Ohio. Plasticizer and extender. Serial No. 529,261, Feb. 17. Class 6.

Halpern, Nathan, Hat Company, Nashville, Tenn. Men's hats and caps. Serial No. 522,957, Feb. 17. Class 39.

Hamilton, Clair J., San Luis Obispo, Calif. Preparation for the treatment of athlete's foot. Serial No. 516,015, Feb. 17. Class 6.

Hamilton Watch Company, Lancaster, Pa. Watches, watch movements, and parts thereof. Serial No. 525,318, Feb. 17. Class 27.

Hanway, Paul S., New York, N. Y. Therapy apparatus. Serial No. 525,837, Feb. 17. Class 44.

Harr Valve Co., Newark, N. J. Beverage dispensing apparatus. Serial No. 504,898, Feb. 17. Class 13.

Heal, James H., doing business as Treatment Service and Engineering Company, San Francisco, Calif. Water treatment chemicals. Serial No. 509,284, Feb. 17. Class 6.

Herbert, Edward J., doing business as Edroy Products Company, New York, N. Y. Magnifying glasses. Serial No. 511,944, Feb. 17. Class 26.

Himark 100 Products: See—

Miltnerberger, Mark D.

House Beautiful Curtains, Inc., New York, N. Y. Window curtains made of nylon fabric. Serial No. 523,848, Feb. 17. Class 42.

Illinois Iron & Bolt Co., Carpentersville, Ill. Automatic coal stokers. Serial No. 526,708, Feb. 17. Class 34.

Industrial Oil Corporation, Warren, Pa. Cleaning fluid. Serial No. 504,275, Feb. 17. Class 4.

Inertol Co., Inc., Newark, N. J. Waterproofing and protective coatings. Serial No. 516,485, Feb. 17. Class 12.

Interstate Shade Cloth Company, Hoboken, N. J. Waterproofed shade cloth. Serial No. 528,722, Feb. 17. Class 42.

Interstate Shade Cloth Company, Hoboken, N. J. Shade cloth in the piece. Serial No. 528,728, Feb. 17. Class 42.

Jackes-Evans Manufacturing Company, St. Louis, Mo. Portable ovens. Serial No. 527,526, Feb. 17. Class 34.

Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove-pipe, including elbows, T joints, reducers, etc. Serial No. 527,702, Feb. 17. Class 34.

Johnson & Johnson, New Brunswick, N. J. Absorbent cellulose wadding. Serial No. 517,360, Feb. 17. Class 44.

Johnson & Johnson, New Brunswick, N. J. Plaster of Paris bandages. Serial No. 521,968, Feb. 17. Class 44.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Sheet steel, structural shapes, bars, and wire. Serial No. 528,486, Feb. 17. Class 14.

Jungle Juice Products Company: See—

Bateman, William M.

Juvenile Shoe Corporation of America, The, Aurora and St. Louis, Mo. Hosiery. Serial No. 521,736, Feb. 17. Class 39.

Kamehameha Garment Co. Ltd., Honolulu, Hawaii. Clothing. Serial No. 509,709, Feb. 17. Class 39.

Kenmar Manufacturing Company, The, East Palestine, Ohio. Reclining chairs. Serial No. 524,246, Feb. 17. Class 32.

Kennedy, William A., Rogers, Ark. Medicinal preparation. Serial No. 524,993, Feb. 17. Class 6.

Kettleson, George R., doing business as George R. Kettleson & Co., Chicago, Ill. Germicide, astringent mouth wash and mouth deodorant. Serial No. 520,458, Feb. 17. Class 6.

Kettleson, George R., & Co.: See—

Kettleson, George R.

King, A. Lewis: See—

Sieminski, Ramon, and King.

Krause, Earnest J., doing business as Radiobar Company of America, San Gabriel, Calif. Shirt and pants hangers. Serial No. 484,411, Feb. 17. Class 50.

La Boiteaux Company, The, Cincinnati, Ohio. Coarse paper. Serial No. 507,261, Feb. 17. Class 37.

Lampf Fashions, Inc., Cleveland, Ohio. Women's clothing. Serial No. 537,049, Feb. 17. Class 39.

Lander Co., Inc., The, New York, N. Y. Hair pomade, brillantine, and face powder. Serial No. 518,836, Feb. 17. Class 6.

Lane, Limited, New York, N. Y. Cigarettes and smoking tobacco. Serial No. 521,137, Feb. 17. Class 17.

Leart, Inc., New York, N. Y. Covered and uncovered candy dishes, plates, trays, etc. Serial No. 509,226, Feb. 17. Class 33.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes. Serial No. 530,212, Feb. 17. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. Serial Nos. 493,201-2, Feb. 17. Class 6.

Lever Brothers Company, Cambridge, Mass. Mouth wash. Serial No. 532,143, Feb. 17. Class 6.

Levi, Bert, New York, N. Y. Cotton piece goods. Serial No. 533,326, Feb. 17. Class 42.

Lewis, J. B., & Sons Limited, Nottingham, England. Socks, stockings, underpants, etc. Serial No. 511,482, Feb. 17. Class 39.

Lloyd-Sargent Co.: See—

McMath, John N., Company.

Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 525,357, Feb. 17. Class 17.

Lorillard, P., Company, New York, N. Y. Chewing tobacco. Serial No. 525,618, Feb. 17. Class 17.

Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 525,625, Feb. 17. Class 17.

Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 525,628, Feb. 17. Class 17.

Lystad & Redick, Inc., East Grand Forks, Minn. Cleaning, cleansing, and detergent material of general utility. Serial No. 515,957, Feb. 17. Class 4.

M & H Laboratories, Chicago, Ill. Self-polishing wax or liquid coating material of the emulsified type. Serial No. 526,612, Feb. 17. Class 16.

Mallinckrodt Chemical Works, St. Louis, Mo. Moth killers and roach killers. Serial No. 526,875, Feb. 17. Class 6.

Martha Maid Mfg. Co., Chicago, Ill. Women's and misses' underwear and lingerie. Serial No. 532,844, Feb. 16. Class 39.

Martha Maid Mfg. Co., Chicago, Ill. Women's and misses' underwear and lingerie. Serial No. 532,846-7, Feb. 17. Class 39.

Martinelli, Guy, Indianapolis, Ind. Rubber splash guards. Serial No. 509,292, Feb. 17. Class 39.

LIST OF TRADE-MARK APPLICANTS

Martins Limited, London, England. Cigarettes, smoking tobacco, and cigars. Serial No. 511,026, Feb. 17. Class 17.

McMath, John N., Company, doing business as Lloyd-Sargent Co., New Rochelle, N. Y. Shampoo, dusting powder, bubble bath, etc. Serial No. 516,706, Feb. 17. Class 6.

McNulty, William J., doing business as Elbon Laboratories, Montclair, N. J. Preparation for the relief of poison ivy. Serial No. 534,541, Feb. 17. Class 6.

Medlock & Burton Roofing Co., Bedford, Ind. Insulation composition roofing shingles. Serial No. 523,850, Feb. 17. Class 12.

Meincke, A. M., & Son, Inc., Chicago, Ill. Powdered material for use in the sizing of paper and textiles. Serial No. 529,183, Feb. 17. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Antitussive syrup. Serial No. 529,667, Feb. 17. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Parenteral product. Serial No. 529,668, Feb. 17. Class 6.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, jewelry clips, brooches, and earrings. Serial No. 511,892, Feb. 17. Class 28.

Miller, Alan, Inc., New York, N. Y. Ladies' handbags, wallets, and purses. Serial No. 529,912, Feb. 17. Class 3.

Milsan Mfg. Co., Inc., New York, N. Y. Ladies' slips, panties, nightgowns, etc. Serial No. 532,150, Feb. 17. Class 39.

Miltnerberger, Mark D., doing business as Himark 100 Products, Muncie, Ind. Liquid furniture polish. Serial No. 507,473, Feb. 17. Class 16.

Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Paint ready for use. Serial No. 527,602, Feb. 17. Class 16.

Mintons Limited, Stoke-on-Trent, England. Tobacco jars, cigarette boxes, match and match box holders, etc. Serial No. 514,551, Feb. 17. Class 8.

Mitchell, P. R., Co., The, Cincinnati, Ohio. Cotton fabrics. Serial No. 528,633, Feb. 17. Class 42.

Moore, Walton N., Dry Goods Company, San Francisco, Calif. Ladies' and children's hosiery and anklets. Serial No. 518,247, Feb. 17. Class 39.

Mor-Art Company: See—

Crosland, Mary-Thelma.

National Carbon Company, Inc., New York, N. Y. Plastic cases and envelopes. Serial No. 525,368, Feb. 17. Class 2.

National Lead Company, New York, N. Y. Lead alloys. Serial No. 527,824, Feb. 17. Class 14.

New Orleans Import Co., Limited, New Orleans, La. Tea. Serial No. 525,934, Feb. 17. Class 46.

Oakes & Company, Chicago, Ill. Sisal binder twine, clothes lines, sash cord, etc. Serial No. 525,381, Feb. 17. Class 7.

Oakes & Company, Chicago, Ill. Roofing insulation, composition roofing, building paper, etc. Serial No. 525,383, Feb. 17. Class 12.

O-Cedar Corp'n, Chicago, Ill. Window cleaner and rug cleaner. Serial No. 531,234, Feb. 17. Class 4.

Od Peacock Sultan Company, St. Louis, Mo. Preparation for treatment of disease of the kidneys, bladder, urethral canal, etc. Serial No. 535,344, Feb. 17. Class 6.

Odora Company, Inc., New York, N. Y. Toilet bowl deodorants. Serial No. 504,994, Feb. 17. Class 6.

Olin Industries, Inc., East Alton, Ill. Non-fouling bullets. Serial No. 527,536, Feb. 17. Class 9.

Olin Industries, Inc., East Alton, Ill. Shot shells and rifle cartridges. Serial No. 527,664, Feb. 17. Class 9.

Olin Industries, Inc., East Alton, Ill. Shot shells, rifle and pistol cartridges. Serial No. 527,846, Feb. 17. Class 9.

Olin Industries, Inc., East Alton, Ill. Shot shells, rifle and pistol cartridges. Serial No. 528,014, Feb. 17. Class 9.

Olin Industries, Inc., East Alton, Ill. Blasting caps, shot shells, rifle cartridges, etc. Serial No. 528,019, Feb. 17. Class 9.

Olsen, Alfred, & Co. A/S, Copenhagen, Denmark. Oils and greases of mineral, vegetable, and animal origin. Serial No. 501,002, Feb. 17. Class 15.

Owens Brush Company, Toledo, Ohio. Hairbrushes. Serial No. 529,293, Feb. 17. Class 29.

Owens Brush Company, Toledo, Ohio. Toothbrushes. Serial No. 529,294, Feb. 17. Class 29.

Pacific Chemical Company, Los Angeles, Calif. Insecticides; deodorants; disinfectants, etc. Serial No. 522,345, Feb. 17. Class 6.

Page & Hill Co., Minneapolis, Minn. Treated wood poles. Serial No. 527,207, Feb. 17. Class 12.

Par Publishing Company, New York, N. Y. Bi-monthly magazine. Serial No. 489,006, Feb. 17. Class 38.

Parfumerie Roger & Gallet, Société Anonyme, Paris, France. Perfumes, toilet waters, filled powder and rouge containers, etc. Serial No. 522,393, Feb. 17. Class 6.

Parke, Davis & Company, Detroit, Mich. Antimalarial preparation. Serial No. 528,084, Feb. 17. Class 6.

Parke, Davis & Company, Detroit, Mich. Antispasmodic preparation. Serial No. 530,559, Feb. 17. Class 6.

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Patterson, James K.: See—

Sellers, William P., and J. K. Patterson.

Perinol Products Co., Inc., New York, N. Y. Mineral adhesive waterproofing surfacing material. Serial No. 509,029, Feb. 17. Class 12.

Physicians Equipment Company: See—

Greberman, David.

Pilot Laboratories, Inc., Mount Vernon, N. Y. Bicarbonate of soda, laxatives, diuretics, etc. Serial No. 510,535, Feb. 17. Class 6.

Plymouth Wood Products, Inc., New York, N. Y. Dining room tables and chairs, living room tables and chairs, kitchen tables and chairs, etc. Serial No. 524,620, Feb. 17. Class 32.

Price, L. B., Mercantile Company, The, St. Louis, Mo. Lace curtains, bed spreads, sheets, etc. Serial No. 531,713, Feb. 17. Class 42.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 527,686, Feb. 17. Class 4.

Radio Corporation of America, New York, N. Y. Dining room record storage racks, rubber feet for radio, television, and phonograph cabinets, etc. Serial No. 525,952, Feb. 17. Class 32.

Radiobar Company of America: See—

Krause, Earnest J.

Reefer-Galler, Inc., New York, N. Y. Moth preventative and insecticide. Serial No. 530,431, Feb. 17. Class 6.

Reefer-Galler, Inc., New York, N. Y. Vaporizing moth repellent. Serial No. 530,432, Feb. 17. Class 6.

Reliable Textile Company, The: See—

Reliable Textile Company.

Reliable Textile Company, assignor to The Reliable Textile Company, Chicago, Ill. Bust forms. Serial No. 504,790, Feb. 17. Class 40.

Republic Aviation Corporation, Farmingdale, Long Island, N. Y. Light-sensitive sheet material, masked luminous sheets and coated plastic sheets. Serial No. 485,306, Feb. 17. Class 26.

Research Chemical Company, Seattle, Wash. Lemon concentrate for bar mixes. Serial No. 517,519, Feb. 17. Class 49.

Riddick, John B., Jr., doing business as Cinderella Unusual Cosmetics, Memphis, Tenn. Hormone creams, hormone lotions, cleansing creams, etc. Serial No. 530,435, Feb. 17. Class 6.

Rit Products Corporation, Chicago, Ill. Colors for foods, beverages, and ice cubes. Serial No. 514,431, Feb. 17. Class 6.

Robbins, Anatole, Inc., Los Angeles, Calif. Perfume. Serial No. 524,721, Feb. 17. Class 6.

Roberts Laboratories, Denver, Colo. Depilatory cream. Serial No. 514,222, Feb. 17. Class 6.

Rock-Tred Corporation, Chicago, Ill. Water emulsion asphalt roofing. Serial No. 530,570, Feb. 17. Class 12.

Rock-Tred Corporation, Chicago, Ill. Compound for acceleration of the setting of cement mixtures. Serial No. 530,571, Feb. 17. Class 12.

Rock-Tred Corporation, Chicago, Ill. Cut back asphalt emulsion roof coating. Serial No. 530,572, Feb. 17. Class 12.

Rock-Tred Corporation, Chicago, Ill. Transparent waterproofing and preserving compound for masonry. Serial No. 530,573, Feb. 17. Class 12.

Rosenfield, Al, Inc., New York, N. Y. Perfumes, toilet waters, colognes, etc. Serial No. 535,080, Feb. 17. Class 6.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 525,684, Feb. 17. Class 39.

Rothschild, S., & Company, Philadelphia, Pa. Infants' and children's coats, legging sets, and snow suits. Serial No. 529,204, Feb. 17. Class 39.

Royal Underwear Co., Inc., Leesport, Pa. Underwear. Serial No. 533,398, Feb. 17. Class 39.

Rueschman, A. E., doing business as Rueschman's Store Fixture & Display Co., Akron, Ohio. Store fixtures for supporting and displaying goods. Serial No. 501,537, Feb. 17. Class 32.

Rueschman's Store Fixture & Display Co.: See—

Rueschman, A. E.

Russwood Company, Torrance, Calif. Art works. Serial No. 511,899, Feb. 17. Class 50.

Sanborn Company, Cambridge, Mass. Heat-sensitive recording paper. Serial No. 513,847, Feb. 17. Class 26.

Schwartz, Harry B., Inc., Baltimore, Md. Jacket crowns and dentures. Serial No. 528,159, Feb. 17. Class 44.

Sellers, William P., and James K. Patterson, Shelby, N. C. Sandals. Serial No. 501,873, Feb. 17. Class 39.

Shirt Corporation of America, New York, N. Y. Shirts, pajamas, and underwear for men's and boys' wear. Serial No. 518,368, Feb. 17. Class 39.

Sieminski, Ramon, and A. L. King, Jersey City, N. J. Diet supplement. Serial No. 522,197, Feb. 17. Class 6.

Silvercote Products, Inc., Chicago, Ill. Heat reflective paper base insulation sheet embodying a vapor barrier. Serial No. 527,086, Feb. 17. Class 12.

Slpe, James B., and Company, Pittsburgh, Pa. Paint thinning oil for mixed and paste paint. Serial No. 531,390, Feb. 17. Class 16.

LIST OF TRADE-MARK APPLICANTS

Socialite Cosmetics, Inc., New York and Brooklyn, assignor to Louis Appell, New York, N. Y. Perfumes, toilet water, lipstick, etc. Serial No. 518,786, Feb. 17. Class 6.

Sociedade Comercial dos Vinhos de Mesa de Portugal, Limitada, Oporto, Portugal. Wines. Serial No. 507,028, Feb. 17. Class 47.

Société Commerciale d'Application et de Representation de la Parfumerie, Paris, France. Perfumes. Serial No. 513,904, Feb. 17. Class 6.

Société de Produits Chimiques des Terres Rares, Paris, France. Chemical preparations. Serial No. 524,491, Feb. 17. Class 6.

Société d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnières (near Paris), France. Perfumes. Serial No. 511,358, Feb. 17. Class 6.

Southern Canning Company, Ltd., Houston and Highlands, Tex. Canned vegetables, fruit preserves, pimientos, etc. Serial No. 513,343, Feb. 17. Class 46.

Spencer Thermostat Company, Attleboro, Mass. Gas burners and safety pilots. Serial No. 527,148, Feb. 17. Class 34.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. Serial No. 525,132, Feb. 17. Class 15.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Flushing oil. Serial No. 525,139, Feb. 17. Class 15.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Fuel oils. Serial No. 525,148, Feb. 17. Class 15.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Lubricating oils and lubricating greases, cooling oils, etc. Serial No. 525,154, Feb. 17. Class 15.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. Serial No. 525,155, Feb. 17. Class 15.

Starland Company, Inc., New York, N. Y. Potato chips, buttered pop corn, and potato sticks. Serial No. 516,324, Feb. 17. Class 48.

Star-Maid Dresses, Inc., New York, N. Y. Women's and misses' dresses, coats, jackets, etc. Serial No. 529,319, Feb. 17. Class 39.

Stauffer Chemical Company, San Francisco, Calif. Insecticides. Serial No. 530,585, Feb. 17. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Insecticides. Serial Nos. 531,532-3, Feb. 17. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Sulphur. Serial No. 532,360, Feb. 17. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Insecticides. Serial No. 532,363, Feb. 17. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Insecticides. Serial No. 532,366, Feb. 17. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Sulphur. Serial No. 532,367, Feb. 17. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Sulphur. Serial No. 532,370, Feb. 17. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Sulphur. Serial Nos. 532,372-3, Feb. 17. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Insecticides. Serial No. 532,376, Feb. 17. Class 6.

Stevenson's Moysgashel Linens, Ltd., New York, N. Y. Linen piece goods. Serial No. 532,969, Feb. 17. Class 42.

"Striga" Aktiengesellschaft für Moderne Strickgarne, Basel, Switzerland. Yarns. Serial No. 510,452, Feb. 17. Class 43.

"Striga" Aktiengesellschaft für Moderne Strickgarne, Basel, Switzerland. Yarn made of angora wool. Serial No. 510,454, Feb. 17. Class 43.

Susquehanna Chemical Corporation, Bradford, Pa. Methanol (wood alcohol). Serial No. 515,204, Feb. 17. Class 6.

Susquehanna Chemical Corporation, Bradford, Pa. Acetic acid. Serial No. 515,205, Feb. 17. Class 8.

Talon, Inc., Meadville, Pa. Slide fastener tape, snap fasteners, snap fastener tape, etc. Serial No. 527,836, Feb. 17. Class 40.

Talon, Inc., Meadville, Pa. Cord. Serial No. 527,866, Feb. 17. Class 7.

Talon, Inc., Meadville, Pa. Thread. Serial No. 527,890, Feb. 17. Class 43.

Talon, Inc., Meadville, Pa. Slide fastener tape, snap fasteners, snap fastener tape, etc. Serial No. 527,896, Feb. 17. Class 40.

Talon, Inc., Meadville, Pa. Thread. Serial No. 527,900, Feb. 17. Class 43.

Talon, Inc., Meadville, Pa. Cord. Serial No. 527,936, Feb. 17. Class 7.

Tanbro Fabrics Corp., New York, N. Y. Rayon, cotton, linen, etc., goods in the piece. Serial Nos. 533,415-16, Feb. 17. Class 42.

Teen-Timers, Inc., New York, N. Y. Dresses for girls in the size range 2 to 6. Serial No. 526,520, Feb. 17. Class 39.

Tnemec Company, Inc., Kansas City, Mo. Interior flat paints. Serial No. 527,621, Feb. 17. Class 16.

Treatment Service and Engineering Company: See—Heal, James H.

Trenton Heating & Manufacturing Company: See—Fournier, Peter.

Ultra Chemical Works, Incorporated, Paterson, N. J. Surface active agents useful as wetting agents and foaming agents. Serial No. 521,838, Feb. 17. Class 6.

United Merchants & Manufacturers, Inc., New York, N. Y., and Wilmington, Del. Piece goods. Serial No. 532,661, Feb. 17. Class 42.

United Piece Dye Works, The, Lodi, N. J., and New York, N. Y. Chemical preparation. Serial No. 514,673, Feb. 17. Class 6.

United Wallpaper, Inc., Chicago, Ill. Paper draperies. Serial No. 528,662, Feb. 17. Class 37.

U. S. Industrial Chemicals, Inc., New York, N. Y. Antifreeze solution. Serial No. 505,458, Feb. 17. Class 6.

Upco Company, The, Cleveland, Ohio. Liquid coating resistant to acid and alkali. Serial No. 499,875, Feb. 17. Class 12.

Upjohn Company, The, Kalamazoo, Mich. Ophthalmic ointment. Serial No. 514,789, Feb. 17. Class 6.

Vallite Corporation, New Orleans and Lockport, La. Uncured and unmolded thermosetting and thermoplastic molding compounds. Serial No. 515,144, Feb. 17. Class 1.

Walker Vitamin Products, Inc., Mount Vernon, N. Y. Medicinal tablets. Serial No. 510,986, Feb. 17. Class 6.

Waterman Products Company, Inc., Philadelphia, Pa. Oscilloscopes, intermittent testers, 16 mm. sound motion picture projectors. Serial No. 520,812, Feb. 17. Class 25.

Werman, A., & Sons, Inc., Brooklyn, N. Y. Infants' leather shoes. Serial No. 501,487, Feb. 17. Class 39.

Wilster Incorporated, Cleveland, Ohio. Window ventilating fans and housings therefor. Serial No. 528,752, Feb. 17. Class 34.

Wood Conversion Company, St. Paul, Minn. Loosely matted or felted adhesively-bound vegetable fiber in sheet form as thermal and sound insulation. Serial No. 530,885, Feb. 17. Class 12.

Wood Conversion Company, St. Paul, Minn. Loosely matted or felted adhesively-bound vegetable fiber in sheet form as thermal and sound insulation. Serial No. 530,887, Feb. 17. Class 12.

Ziebarth Corporation, Seattle, Wash. Bleaching compound. Serial No. 512,474, Feb. 17. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, Chicago, Ill. Sedative and analgesic preparation. 436,707, Feb. 17; Serial No. 518,995, published Sept. 16, 1947. Class 6.

Aberfoyle Mfg. Co., Chester, Pa. Synthetic fabric. 240,060, renewed Mar. 20, 1948. O. G. Feb. 17. Class 42.

Ace Exhibits Co., Brooklyn, N. Y. Shoes. 436,778, Feb. 17. Class 39.

Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany, by General Aniline & Film Corporation, New York, N. Y. Cameras and parts therefor. 215,536, July 20, 1926. Republished Feb. 17. Class 26.

Adco, Inc.: See—American Disinfecting Company.

Affiliated Retailers, Inc., New York, N. Y. Men's and boys' work clothing. 436,785, Feb. 17. Class 39.

Affiliated Retailers, Inc., New York, N. Y. Ladies', misses', and children's dresses, blouses, suits, etc. 436,787, Feb. 17. Class 39.

Airplane Manufacturing & Supply Corporation, North Hollywood, Calif., now by change of name to Pacific Air motive Corporation. Servicing and maintenance tools and equipment. 436,601-2, Feb. 17; Serial Nos. 468,218-19, published Nov. 11, 1947. Class 23.

Airplane Manufacturing & Supply Corporation, North Hollywood, Calif., now by change of name to Pacific Air motive Corporation. Servicing and maintenance tools and equipment. 436,606, Feb. 17; Serial No. 476,318, published Nov. 11, 1947. Class 23.

Air-Scale Company, The, Toledo and Delta, Ohio, to The Wayne Pump Company, Fort Wayne, Ind. Metallic valves together with fittings and connections therefor. 234,393, renewed Oct. 25, 1947. O. G. Feb. 17. Class 13.

Allen Shirt Co., to Washington Manufacturing Co., Nashville, Tenn. Work shirts, dress shirts; boys' dress, negligee, and work shirts, etc. 236,936, renewed Dec. 27, 1947. O. G. Feb. 17. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Aluminum Building Products Co., Milwaukee, Wis. Combination storm and screen windows. 436,651, Feb. 17; Serial No. 510,924, published Nov. 25, 1947. Class 12.

American Asbestos Industries, Inc., South Orange, N. J. Asbestos shingles and siding. 436,670, Feb. 17; Serial No. 514,458, published Nov. 25, 1947. Class 12.

American Disinfecting Company, by Adco, Inc., Sedalia, Mo. Dry-cleaning detergents. 210,592, Mar. 16, 1926. Republished Feb. 17. Class 4.

American Disinfecting Company, by Adco, Inc., Sedalia, Mo. Insecticides. 226,042, Mar. 29, 1927. Republished Feb. 17. Class 6.

American Disinfecting Company, by Adco, Inc., Sedalia, Mo. Insecticides and disinfectants. 226,043, Mar. 29, 1927. Republished Feb. 17. Class 6.

American Disinfecting Company, by Adco, Inc., Sedalia, Mo. Preparations for polishing wood floors, linoleums, oil-cloths, etc. 226,044, Mar. 29, 1927. Republished Feb. 17. Class 16.

American Disinfecting Company, by Adco, Inc., Sedalia, Mo. Disinfectants and germicides. 226,045, Mar. 29, 1927. Republished Feb. 17. Class 6.

American Disinfecting Company, by Adco, Inc., Sedalia, Mo. Insecticides. 226,047, Mar. 29, 1927. Republished Feb. 17. Class 6.

American Disinfecting Company, by Adco, Inc., Sedalia, Mo. Disinfectants and germicides. 226,048, Mar. 29, 1927. Republished Feb. 17. Class 6.

American Fork and Hoe Company, The: See—Kelly Axe Manufacturing Company.

American Remedies Company, The: See—Fort, Clarence E.

American Stores Company, Philadelphia, Pa. Ginger ale. 239,098, renewed Feb. 21, 1948. O. G. Feb. 17. Class 45.

Anciens Etablissements A. Combe & Fils & Cie. (Société Anonyme): See—Société Anonyme Des Anciens Etablissements A. Combe & Fils & Cie.

Andrews, Donald, Lodi, Calif. Fresh grapes. 436,659, Feb. 17; Serial No. 511,973, published July 15, 1947. Class 46.

Androscoffin Mills, to Bates Manufacturing Company, Lewiston, Maine. Textile sheets and pillowcases. 231,272, renewed Aug. 18, 1947. O. G. Feb. 17. Class 42.

Apex Hosiery Company, Philadelphia, Pa. Full-fashioned silk hosiery. 203,275, Sept. 15, 1925. Republished Feb. 17. Class 39.

Apex Hosiery Company, Philadelphia, Pa. Ladies' full-fashioned hosiery. 219,998, Oct. 26, 1926. Republished Feb. 17. Class 39.

Arco Company, The, Cleveland, Ohio. Testing machines for the determination of adhesion and hardness of paint films. 436,752, Feb. 17; Serial No. 523,221, published Oct. 21, 1947. Class 26.

Armstrong Cork Company: See—Armstrong Cork & Insulation Company.

Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Composition of oxidized linseed oil on an asphaltum impregnated felt base. 223,736, Feb. 8, 1927. Republished Feb. 17. Class 20.

Armstrong Cork & Insulation Company, Pittsburgh, Pa., by Armstrong Cork Company, Manheim Township, Pa. Mastic finish for heat-insulating material. 216,512, Aug. 10, 1926. Republished Feb. 17. Class 12.

Arnold, Schwinn & Co., Chicago, Ill. Vehicle tires. 436,727-8, Feb. 17; Serial Nos. 521,170-1, published Nov. 18, 1947. Class 35.

Arnold, Schwinn & Co., Chicago, Ill. Vehicle tires. 436,729, Feb. 17; Serial No. 521,173, published Nov. 18, 1947. Class 35.

Arnold, Schwinn & Co., Chicago, Ill. Vehicle tires. 436,735, Feb. 17; Serial No. 521,782, published Nov. 18, 1947. Class 35.

Associated Business Papers, Inc., also doing business as National Conference of Business Paper Editors, New York, N. Y. Bulletin issued from time to time. 436,688, Feb. 17; Serial No. 516,166, published Nov. 25, 1947. Class 38.

Associated Merchandising Corporation, The: See—Associated Merchandising Corporation.

Associated Merchandising Corporation, to The Associated Merchandising Corporation, New York, N. Y. Pajamas. 236,907, renewed Dec. 27, 1947. O. G. Feb. 17. Class 39.

Associated Pen Company, New York, N. Y. Fountain pens and mechanical pencils. 436,768, Feb. 17; Serial No. 525,749, published Nov. 18, 1947. Class 37.

Associated Portland Cement Manufacturers, Limited, London, England. Portland cement. 234,282, renewed Oct. 18, 1947. O. G. Feb. 17. Class 12.

Associated Research Incorporated, Chicago, Ill. Electrical measuring instruments. 401,603-05, May 25, 1943. Republished Feb. 17. Class 26.

Atkins, E. C., and Company, Indianapolis, Ind. Hand-saws. 210,536, Mar. 16, 1926. Republished Feb. 17. Class 23.

Atkins, E. C., and Company, Indianapolis, Ind. Crosscut saws. 220,847, Nov. 16, 1926. Republished Feb. 17. Class 23.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y., to A. D. Juilliard & Co., Inc., New York, N. Y. Woolen textile fabrics in the piece. 233,498, renewed Oct. 4, 1947. O. G. Feb. 17. Class 42.

Atlantic Mills, The, Olneyville, R. I., to A. D. Juilliard & Co., Inc., New York, N. Y. Woolen dress goods in the piece. 233,562, renewed Oct. 4, 1947. O. G. Feb. 17. Class 42.

Atlas Supply Company, Newark, N. J. Airplane tires. 436,694, Feb. 17; Serial No. 517,604, published Nov. 18, 1947. Class 35.

Autocall Company, The, Shelby, Ohio. Apparatus and equipment for use in paging service. 218,967, Oct. 5, 1926. Republished Feb. 17. Class 21.

Automotive Gear Works, Inc., Richmond, Ind. Gears. 217,227, Aug. 31, 1926. Republished Feb. 17. Class 23.

Avon Products, Inc., New York, N. Y. Lipstick, rouge, and nail polish. 436,613, Feb. 17; Serial No. 494,775, published Nov. 28, 1946. Class 6.

B-Z-B Knitting Co.: See—Brearley Company, The.

Badger Worsted Mills, Grafton, Wis. Machinery packing. 436,758, Feb. 17; Serial No. 524,287, published Nov. 18, 1947. Class 35.

Baron, H. & Co., Inc., New York, N. Y. to H. Baron & Co. Inc., Linden, N. J. Nonalcoholic, maltless, concentrated syrups. 240,483, renewed Mar. 27, 1948. O. G. Feb. 17. Class 45.

Bash, John M., doing business as Phillips Chemical Co., Chicago, Ill. Liquid air-freshening deodorant. 436,689, Feb. 17; Serial No. 516,596, published Nov. 25, 1947. Class 6.

Bates Manufacturing Company: See—Androscoffin Mills.

Battery Supply Co., Inc., Boston, Mass. Storage battery terminal protector. 436,638, Feb. 17; Serial No. 506,795, published Nov. 18, 1947. Class 21.

Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle lenses and objective lenses. 436,741, Feb. 17; Serial No. 522,416, published Oct. 21, 1947. Class 26.

Bay State Optical Company, Attleboro, Mass. Ophthalmic frames. 436,744, Feb. 17; Serial No. 522,527, published Oct. 21, 1947. Class 26.

Beeman's Laboratory, Inc., Atlanta, Ga. Preparation taken internally. 436,637, Feb. 17; Serial No. 506,497, published Nov. 25, 1947. Class 6.

Belding Heminway Company, New York, N. Y. Silk and cotton threads, twists, artificial embroidery silk flosses, etc. 237,807, renewed Jan. 17, 1948. O. G. Feb. 17. Class 43.

Belmont Watch Company, New York, N. Y. Watches. 436,789, Feb. 17. Class 27.

Bemis Bro. Bag Company, St. Louis, Mo. Canvas tubing. 212,538, May 4, 1926. Republished Feb. 17. Class 34.

Bemis Bro. Bag Company, St. Louis, Mo. Paper bags. 219,995, Oct. 26, 1926. Republished Feb. 17. Class 2.

Bergere Company: See—Gordon, George.

Bevon Coats, New York, N. Y. Ladies' coats. 436,767, Feb. 17; Serial No. 525,772, published Nov. 11, 1947. Class 39.

Big Diamond Mills Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 233,880, renewed Oct. 11, 1947. O. G. Feb. 17. Class 46.

Birge, Nathaniel B., Sherman, Tex. Electrical switches. 436,635, Feb. 17; Serial No. 505,179, published Nov. 18, 1947. Class 21.

Black, Joseph & Sons Company, York, Pa. Hosiery. 399,692, Jan. 26, 1943. Republished Feb. 17. Class 39.

Blanke-Baer Extract & Preserving Company, St. Louis, Mo. Jellies, fruit preserves, fruit butters, etc. 238,210, Jan. 31, 1928. Republished Feb. 17. Class 46.

Blanke-Baer Extract & Preserving Company, St. Louis, Mo. Olives, pickles, salad dressing, etc. 240,295, Mar. 20, 1928. Republished Feb. 17. Class 46.

Blaul's, John, Sons Co., Burlington, Iowa. Tea, coffee, cocoa, etc. and canned berries. 240,432, renewed Mar. 27, 1948. O. G. Feb. 17. Class 46.

Bobs Candy & Peanut Co., Albany, Ga. Peanut butter sandwiches. 436,618, Feb. 17; Serial No. 497,643, published Nov. 25, 1947. Class 46.

Bode, Hans A., doing business as Royal Hawaiian Laboratories, Honolulu, Hawaii. Medicinal preparations. 240,346, renewed Mar. 27, 1948. O. G. Feb. 17. Class 6.

Boorum & Pease Company, Brooklyn, N. Y. Blank books of all types, pads and tablets, etc. 436,730, Feb. 17; Serial No. 521,317, published Nov. 4, 1947. Class 37.

Brady, John B., Jr., doing business as Desk Calendar Company, Washington, D. C. Desk calendars with memoranda paper supply, etc. 436,708, Feb. 17; Serial No. 519,053, published Nov. 11, 1947. Class 37.

Bravo, J. Antonio Prado, doing business as Optimus Products Co., New York, N. Y. Razor blades. 436,742, Feb. 17; Serial No. 522,468, published Nov. 18, 1947. Class 23.

Breakstone & Co., Inc., Chicago, Ill. Gas to be used in making whipped cream. 436,733, Feb. 17; Serial No. 521,430, published Nov. 18, 1947. Class 6.

Brearley Company, The, to B-Z-B Knitting Co., Rockford, Ill. Hosiery. 238,816, renewed Feb. 14, 1948. O. G. Feb. 17. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Brewer & Company, Inc., Worcester, Mass. Germicide. 239,448, renewed Mar. 6, 1948. O. G. Feb. 17. Class 6.
 Briggs, Bates & Bacon Company: See—
 Briggs, D. F. Co., The.
 Briggs, D. F. Co., The, to Briggs, Bates & Bacon Company, Attleboro, Mass. Chains. 68,029, re-renewed Mar. 3, 1948. O. G. Feb. 17. Class 28.
 Brockett, C. B.: See—
 Enterprise Chemical Co.
 Brown & Bigelow, St. Paul, Minn. Art-calendars, greeting cards, and mottoes. 147,758, Nov. 1, 1921. Republished Feb. 17. Class 38.
 Brown & Bigelow, St. Paul, Minn. Wall calendars, newspapers, price lists and greeting cards. 217,752, Sept. 7, 1926. Republished Feb. 17. Class 38.
 Brown & Bigelow, St. Paul, Minn. Periodical. 219,490, Oct. 19, 1926. Republished Feb. 17. Class 38.
 Brownville Board Company, Brownville, N. Y. Paper board and printing paper. 436,629, Feb. 17; Serial No. 503,156, published Nov. 11, 1947. Class 37.
 Bunnell, J. H., & Company: See—
 Bunnell, J. H., & Co.
 Bunnell, J. H., & Co., New York, N. Y., to J. H. Bunnell & Company, Brooklyn, N. Y. Telegraphic apparatus and electric batteries. 66,927, re-renewed Jan. 7, 1948. O. G. Feb. 17. Class 21.
 Burson Knitting Company, Rockford, Ill. Hosiery. 237,089, renewed Jan. 3, 1948. O. G. Feb. 17. Class 39.
 Burton, J. P., Coal Company, The, by The Guaranty Gas Coal Company, Cleveland, Ohio. Coal, carbonized fuel, and coke. 212,097, Apr. 27, 1926. Republished Feb. 17. Class 1.
 Buzzard, Robert B., Charleston, W. Va. Loose leaf blank books and albums, etc. 436,740, Feb. 17; Serial No. 522,377, published Nov. 11, 1947. Class 37.
 Cabot, Godfrey L., to Godfrey L. Cabot, Inc., Boston, Mass. Carbon-black, lampblack and gas-black. 67,327, re-renewed Jan. 28, 1948. O. G. Feb. 17. Class 16.
 Cabot, Godfrey L., Inc.: See—
 Cabot, Godfrey L.
 Callfruit Canning Company, Manteca, Calif. Canned vegetables. 436,709, Feb. 17; Serial No. 519,058, published Nov. 25, 1947. Class 46.
 Calling All Girls, Inc., New York, N. Y. Section in a monthly magazine. 436,650, Feb. 17; Serial No. 510,827, published Nov. 4, 1947. Class 38.
 Camp, S. H. & Company: See—
 Camp, Samuel H.
 Camp, Samuel H. to S. H. Camp & Company, Jackson, Mich. Abdominal belts or supports. 116,588, May 15, 1917. Republished Feb. 17. Class 44.
 Caplin, Samuel: See—
 Real Sport Clothing Company.
 Caron Corporation, New York, N. Y. Perfume. 218,293, Sept. 21, 1926. Republished Feb. 17. Class 6.
 Cellucotton Products Company, Neenah, Wis. by International Cellucotton Products Company, Chicago, Ill. Catamenial bandages and absorbent pads or sheets for infants' diapers. 218,683, Sept. 28, 1926. Republished Feb. 17. Class 44.
 Chandler & Price Company, The, Cleveland, Ohio. Paper cutters and paper cutting machines and parts thereof. 226,421, May 3, 1927. Republished Feb. 17. Class 23.
 Chemola Manufacturing Company, Houston, Tex. Insect repellent. 436,761, Feb. 17; Serial No. 525,192, published Nov. 25, 1947. Class 6.
 Chicago Belting Company, to Chicago Belting Company, Chicago, Ill. Leather belting. 67,825, re-renewed Feb. 18, 1948. O. G. Feb. 17. Class 35.
 Chicago Spring Hinge Company, Chicago, Ill. Hinges. 246,368, Sept. 4, 1928. Republished Feb. 17. Class 13.
 Christman, Marlon A., doing business as Katchee Bib Company, Detroit, Mich. Children's paper bibs. 436,754, Feb. 17; Serial No. 523,825, published Nov. 18, 1947. Class 37.
 Clark, H. W., Biscuit Company, North Adams, Mass. Biscuits and crackers. 237,786, renewed Jan. 17, 1948. O. G. Feb. 17. Class 46.
 Clark, Son & Morland, Limited, Glastonbury, England. Skin rugs and mats of the nature of carpets, skin perambulator rugs and robes, etc. 236,306, renewed Dec. 6, 1947. O. G. Feb. 17. Class 50.
 Clemens, E., Horst Co., San Francisco, Calif. Hops. 206,305, Nov. 24, 1925. Republished Feb. 17. Class 1.
 Clemens, E., Horst Co., San Francisco, Calif. Hops. 216,592, Aug. 17, 1926. Republished Feb. 17. Class 1.
 Clemens, E., Horst Co., San Francisco, Calif. Hops. 217,023, Aug. 24, 1926. Republished Feb. 17. Class 1.
 Collins, D. R., Limited, London, England. Perfumes. 436,717, Feb. 17; Serial No. 519,733, published Nov. 18, 1947. Class 6.
 Colt's Manufacturing Company: See—
 Colt's Patent Fire Arms Manufacturing Co.
 Colt's Patent Fire Arms Manufacturing Co., to Colt's Manufacturing Company, Hartford, Conn. Phenolic condensation compounds. 233,643, renewed Oct. 4, 1947. O. G. Feb. 17. Class 6.
 Columbian Enameling & Stamping Company by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Enameled steelware. 118,751, Oct. 2, 1917. Republished Feb. 17. Class 13.

Columbian Enameling & Stamping Co., Inc.: See—
 Columbian Enameling & Stamping Company.
 Columbian Rope Company, Auburn, N. Y. Rope, cable, tarred lath and fodder yarns etc. 65,092, re-renewed Sept. 10, 1947. O. G. Feb. 17. Class 7.
 Comblor, Chauvin Company, assignee: See—
 Comblor, Chauvin Corporation.
 Comblor, Chauvin Corporation, assignor to Comblor, Chauvin Company, New York, N. Y. Piece goods of silk, rayon, cotton, etc. 436,770, Feb. 17. Class 42.
 Commander-Larabee Milling Company: See—
 Big Diamond Mills Company.
 Commercial Reproducing Company, Detroit, Mich. Photostats and loose-leaf advertising units, or data sheets. 436,693, Feb. 17; Serial No. 517,458, published Nov. 25, 1947. Class 38.
 Commercial Shirt Co., The, to The Commercial Shirt Corp., New York, N. Y. Outer shirts. 67,092, re-renewed Jan. 14, 1938. O. G. Feb. 17. Class 39.
 Commercial Shirt Corp., The: See—
 Commercial Shirt Co., The.
 Conell, Ralph R., Los Angeles, Calif. Blotter holders. 436,749, Feb. 17; Serial No. 523,001, published Nov. 11, 1947. Class 37.
 Consolidated Cosmetics: See—
 Gordon, George.
 Consolidated Iron-Steel Manufacturing Company, The, to The Consolidated Iron-Steel Manufacturing Company of 1932, Cleveland, Ohio. Joist hangers, wall hangers, post caps and bases. 233,726, renewed Oct. 11, 1947. O. G. Feb. 17. Class 12.
 Consolidated Iron-Steel Manufacturing Company of 1932: See—
 Consolidated Iron-Steel Manufacturing Company, The.
 Cooper, Cyrus, Inc., New York, N. Y. Rectal suppositories. 436,677, Feb. 17; Serial No. 515,083, published Nov. 18, 1947. Class 6.
 Copeland, W. T. & Sons, by W. T. Copeland & Sons, Limited, Stoke-on-Trent, Staffordshire, England. China and earthenware. 214,849, July 6, 1926. Republished Feb. 17. Class 30.
 Copeland, W. T. & Sons, Limited: See—
 Copeland, W. T. & Sons.
 Cordero, Alberto, doing business as Myrna Products Co., New York, N. Y. Hair oil and pomades. 436,722, Feb. 17; Serial No. 520,381, published Nov. 18, 1947. Class 6.
 Cosmetique Laboratories of America, to Clyde L. Eaton, doing business as Duvelle's, Portland, Oreg. Cosmetics. 238,396, renewed Feb. 7, 1948. O. G. Feb. 17. Class 6.
 Country Church of Hollywood, The, Los Angeles, Calif. Periodical. 436,643, Feb. 17; Serial No. 508,792, published Nov. 18, 1947. Class 38.
 Create Products Company, Chicago, Ill. Crayons, wood encased pencils, scrap books, etc. 436,617, Feb. 17; Serial No. 497,375, published Nov. 11, 1947. Class 37.
 Crown-Columbia Pulp and Paper Company, by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Paper bags. 83,228, Aug. 29, 1911. Republished Feb. 17. Class 2.
 Crown-Columbia Pulp and Paper Company, by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Paper bags. 84,602, Dec. 26, 1911. Republished Feb. 17. Class 2.
 Crown Willamette Company: See—
 Crown Willamette Paper Company.
 Crown Willamette Paper Company: See—
 Crown-Columbia Pulp and Paper Company.
 Crown Willamette Paper Company, assignor to Crown Willamette Paper Company, of San Francisco, Calif., by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Paper bags. 212,521, May 4, 1926. Republished Feb. 17. Class 2.
 Crown Willamette Company, San Francisco, Calif. Raisin-tray paper. 213,054, May 18, 1926. Republished Feb. 17. Class 37.
 Crown Willamette Paper Company, assignor to Crown Willamette Paper Company, of San Francisco, Calif., by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 213,134, May 18, 1926. Republished Feb. 17. Class 37.
 Crown Willamette Paper Company, of San Francisco, Calif., assignee: See—
 Crown Willamette Paper Company.
 Crown Zellerbach Corporation: See—
 Crown-Columbia Pulp and Paper Company.
 Crown-Willamette Paper Company.
 National Paper Products Company.
 Dalton, Arthur, Evansville, Ind. Liniment. 436,746-7, Feb. 17; Serial Nos. 522,911-12, published Nov. 18, 1947. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Darling & Company, Chicago, Ill. Fertilizers, and particularly fertilizers composed of animal matter. 117,838, Aug. 7, 1917. Republished Feb. 17. Class 10.
 Darling & Company, Chicago, Ill. Foods. 118,501, Sept. 18, 1917. Republished Feb. 17. Class 46.
 Darling & Company, Chicago, Ill. Prepared animal and poultry foods. 118,391, Sept. 4, 1917. Republished Feb. 17. Class 46.
 Daumit, Kay, Inc., Chicago, Ill., assignor to Kay Daumit, Inc., Jersey City, N. J. Shampoo. 436,691, Feb. 17; Serial No. 516,699, published Nov. 25, 1947. Class 6.
 Davies-Young Soap Company, The, Dayton, Ohio. Collar and cuff soap. 217,508, Aug. 31, 1926. Republished Feb. 17. Class 4.
 Davies-Young Soap Company, The, Dayton, Ohio. Bimonthly magazine. 222,114, Dec. 21, 1926. Republished Feb. 17. Class 38.
 Deck, Gregory J., doing business as Deco Refreshments, to Deco Restaurants Inc., Buffalo, N. Y. Finger rolls, sandwich rolls, wieners, minced meat, pickles, pickle relish. 234,435, renewed Oct. 25, 1947. O. G. Feb. 17. Class 46.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's coats, vests and pants. 202,236, Aug. 18, 1925. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Coats, vests, and trousers, for men and youths. 203,026, Sept. 8, 1925. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's overcoats and topcoats. 203,036, Sept. 8, 1925. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Coats, vests, trousers, knickerbockers, etc. 208,938, Feb. 9, 1926. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Coats and overcoats for men. 240,287, Mar. 20, 1928. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Coats, vests, trousers, etc. 246,246, Aug. 21, 1928. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 285,406, July 28, 1931. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's coats, overcoats, and topcoats. 288,536, Nov. 3, 1931. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Overcoats for men and men's suits. 292,991, Apr. 5, 1932. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 294,106, May 17, 1932. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits, including coats, vests, and trousers. 294,531, May 31, 1932. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Overcoats and topcoats for men. 295,122, June 21, 1932. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Overcoats and topcoats for men. 295,123, June 21, 1932. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Coats, vests, trousers, etc. 295,461, July 5, 1932. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits, consisting of coats, trousers and vests. 313,896-7, June 12, 1934. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Articles of clothing for men. 316,573, Aug. 28, 1934. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's overcoats. 338,159, Sept. 1, 1936. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 353,848, Jan. 18, 1938. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 353,954, Jan. 25, 1938. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Outside garments. 354,563, Feb. 15, 1938. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 357,345, May 31, 1938. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Women's topcoats. 360,046, Sept. 6, 1938. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 368,603, June 27, 1939. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 378,476, Dec. 12, 1939. Republished Feb. 17. Class 39.

Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's overcoats. 377,772, May 14, 1940. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's topcoats and overcoats. 379,149, July 2, 1940. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 379,150-1, July 2, 1940. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 379,356, July 9, 1940. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's topcoats and overcoats. 381,837, Sept. 17, 1940. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's clothing. 381,718, Oct. 1, 1940. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Waistcoat attachments for dress coats. 384,757, Feb. 4, 1941. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Certain particular group of men's suits. 384,768, Feb. 4, 1941. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's topcoats and overcoats. 386,021, Mar. 25, 1941. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's clothing. 386,121, June 30, 1942. Republished Feb. 17. Class 39.
 Decker, Alfred, & Cohn, Inc., by Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 411,591, Jan. 23, 1945. Republished Feb. 17. Class 39.
 Deco Refreshments: See—
 Deck, Gregory J.
 Deco Restaurants Inc.: See—
 Deck, Gregory J.
 De Frece Watch Co., Inc., New York, N. Y. Watches and clocks. 436,768, Feb. 17. Class 27.
 Deschiens, Edmond, to Edmond Deschiens & Cie., Paris, France. Medicinal preparations. 229,922, renewed July 12, 1947. O. G. Feb. 17. Class 6.
 Deschiens, Edmond, & Cie.: See—
 Deschiens, Edmond.
 Desk Calendar Company: See—
 Brady, John B., Jr.
 Di Gio, Fratelli G., to Fratelli Garosci Di Gio, Turin, Italy. Antipasto. 213,130, renewed May 18, 1946. O. G. Feb. 17. Class 46.
 Dillard-Nalle Company, to White Laboratories, Inc., Washington, D. C. Chewing gum containing aspirin. 240,417, renewed Mar. 27, 1948. O. G. Feb. 17. Class 6.
 Di Santo & Co.: See—
 Di Santo, Joseph.
 Di Santo, Joseph, doing business as Di Santo & Co., Duluth, Minn. Cigars. 239,506, renewed Mar. 6, 1948. O. G. Feb. 17. Class 17.
 Display Lightings, Incorporated, New York, N. Y. Support stands for spot lights, flood lights, boom lights, etc. 436,672, Feb. 17; Serial No. 514,593, published Nov. 18, 1947. Class 21.
 Duffy-Mott Company, Inc., New York, N. Y. Prune juice. 436,644, Feb. 17; Serial No. 499,215, published Nov. 25, 1947. Class 46.
 Dugan, Frank I., executor, trustee: See—
 Epping, John G.
 Dumore Company, The: See—
 Wisconsin Electric Company.
 Duncan Electric Manufacturing Company, Lafayette, Ind. Bearing members for watt-hour meters. 361,602, Oct. 25, 1938. Republished Feb. 17. Class 26.
 Dunn, W. E., Mfg. Co., Holland, Mich. Concrete admixture. 436,674, Feb. 17; Serial No. 514,946, published Nov. 25, 1947. Class 12.
 Duvelle's: See—
 Cosmetique Laboratories of America.
 Eagle-Ottawa Leather Company, Grand Haven, Mich. Leather. 436,788, Feb. 17. Class 1.
 Eastern Corporation, Bangor, Maine. Paper. 436,609, Feb. 17; Serial No. 489,572, published Nov. 11, 1947. Class 37.
 Eaton, Clyde L.: See—
 Cosmetique Laboratories of America.
 Eaton, O. O., Watonsville, Calif. Fresh lettuce. 238,236, renewed Jan. 31, 1948. O. G. Feb. 17. Class 46.
 Edwards, J. & Co., Philadelphia, Pa. Leather shoes. 436,771, Feb. 17. Class 39.
 Ellen-Joy Fashions, Inc., New York, N. Y. Ladies' junior misses' and misses' maternity dresses, sun dresses, blouses, etc. 436,783, Feb. 17. Class 39.
 Electric Boat Company: See—
 Electro-Dynamic Company.
 Electro-Dynamic Company, New York, N. Y., to Electric Boat Company, Groton, Conn. Electric motors. 237,390, renewed Jan. 10, 1948. O. G. Feb. 17. Class 21.
 Empire Metal Products Co., Cambridge, Mass. Metal products. 436,686, Feb. 17; Serial No. 515,880, published Nov. 25, 1947. Class 12.

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Ensign-Bickford Company, The, Simsbury, Conn. Detonating fuse. 183,893-4, renewed Jan. 5, 1948. O. G. Feb. 17. Class 9.

Enterprise Chemical Company: See—
Enterprise Chemical Co.

Enterprise Chemical Co., doing business as Maison Marivonne, St. Louis, to C. B. Brockett, doing business as Enterprise Chemical Company, Troy, Mo. Perfume, toilet water, shampoo, etc. 231,850, renewed Aug. 23, 1947. O. G. Feb. 17. Class 6.

Epping, John G., doing business as John G. Epping Bottling Works, to Frank I. Dugan, executor and trustee of John G. Epping estate, doing business as John G. Epping Bottling Works, Louisville, Ky. Carbonated, nonalcoholic, noncereal, maltless beverages. 237,665, renewed Jan. 17, 1948. O. G. Feb. 17. Class 45.

Epping, John G., Bottling Works: See—
Epping, John G.

Epping, John G., Estate: See—
Epping, John G.

Esmond Mills, The, Enfield, R. I., to The Esmond Mills, Incorporated, Esmond, R. I. Blankets. 67,044, re-renewed Jan. 14, 1948. O. G. Feb. 17. Class 42.

Esmond Mills, Incorporated, The: See—
Esmond Mills, The

Esquire, Inc., Chicago, Ill. Section or feature in a periodical publication. 436,779, Feb. 17. Class 38.

Essex Paper Mills, Inc., New York, N. Y. Lethal fly and moth lures. 436,678, Feb. 17; Serial No. 515,092, published Nov. 18, 1947. Class 6.

Eureka Fire Hose Co., to United States Rubber Company, New York, N. Y. Hydraulic hose. 30,606, re-renewed Oct. 5, 1947. O. G. Feb. 17. Class 35.

Excelsior Products Company, West Allis, Wis. Pigment coloring material. 225,941, Mar. 29, 1927. Republished Feb. 17. Class 6.

Fabbro, Antonio, Tampa, Fla. Granulated slag and building units. 436,662, Feb. 17; Serial No. 512,481, published Nov. 25, 1947. Class 12.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,486-7, Apr. 13, 1926. Republished Feb. 17. Class 6.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,497, Apr. 13, 1926. Republished Feb. 17. Class 6.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,527, Apr. 13, 1926. Republished Feb. 17. Class 6.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,552-3, Apr. 13, 1926. Republished Feb. 17. Class 6.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,563, Apr. 13, 1926. Republished Feb. 17. Class 6.

Farbenfabriken of Elberfeld Co., to Winthrop Chemical Company, Inc., New York, N. Y. Medical magazine. 67,096, re-renewed Jan. 14, 1948. O. G. Feb. 17. Class 38.

Fawcett Publications, Inc., Greenwich, Conn. Monthly publication. 436,645, Feb. 17; Serial No. 509,701, published Nov. 4, 1947. Class 38.

Ferncliff Feed & Grain Co., Louisville, Ky. Feeds and feedstuffs. 221,721, Dec. 7, 1926. Republished Feb. 17. Class 46.

Ferncliff Feed & Grain Co., Louisville, Ky. Feeds and feedstuffs. 226,377, Apr. 5, 1927. Republished Feb. 17. Class 46.

Ferrero, Veuve F., Née Blanch Denise Willmann, Paris, France. Breast supporter. 219,928, renewed Oct. 26, 1946. O. G. Feb. 17. Class 39.

Florence Distributing Co., Portland, Ore. Radio receiving sets and parts thereof. 436,624, Feb. 17; Serial No. 500,979, published Nov. 18, 1947. Class 21.

Ford, Luther, & Company, by Luther Ford Products Company, Minneapolis, Minn. Bluing. 206,610-11, Dec. 8, 1925. Republished Feb. 17. Class 6.

Ford, Luther, Products Company: See—
Ford, Luther, & Company.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 232,646, renewed Sept. 13, 1947. O. G. Feb. 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 233,380-1, renewed Sept. 27, 1947. O. G. Feb. 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 233,384, renewed Sept. 27, 1947. O. G. Feb. 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 233,386, renewed Sept. 27, 1947. O. G. Feb. 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 233,404-5, renewed Sept. 27, 1947. O. G. Feb. 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 233,514, renewed Oct. 4, 1947. O. G. Feb. 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 233,609-10, renewed Oct. 4, 1947. O. G. Feb. 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 233,840-2, renewed Oct. 11, 1947. O. G. Feb. 17. Class 42.

Forstmann Woolen Co.: See—
Forstmann & Huffmann Company.

Fort, Clarence E., doing business as The American Remedies Company, Rockford, Ill., to Larré Laboratories, Inc., Denver, Colo. Epilepsy, dyspepsia, and laxative medicines. 236,354, renewed Dec. 13, 1947. O. G. Feb. 17. Class 6.

For-Case Corporation, to Movietone, Inc., New York, N. Y. Motion pictures. 239,013, renewed Feb. 21, 1948. O. G. Feb. 17. Class 26.

Frantz Manufacturing Company: See—
Kohler Die & Specialty Company.

G-M Laboratories, Inc., Chicago, Ill. Portable electric heater-fan combination. 436,627, Feb. 17; Serial No. 501,381, published Apr. 1, 1947. Class 21.

Gandulfo, Ernesto y Manuel, Buenos Aires, Argentina. Material for construction. 436,684, Feb. 17; Serial No. 515,755, published Nov. 25, 1947. Class 12.

Garfinkel, Frank, doing business as Garfo Chemical Co., New York, N. Y. Mouth wash, catarrhal cream, healing liquid, etc. 232,740, renewed Sept. 13, 1947. O. G. Feb. 17. Class 6.

Garfo Chemical Co.: See—
Garfinkel, Frank.

Gelgy Company, Inc., New York, N. Y. Chemical adapted for tippy dyeing. 436,713, Feb. 17; Serial No. 519,439, published Nov. 25, 1947. Class 6.

Gemex Company, Union, N. J. Periodical publication. 436,698, Feb. 17; Serial No. 517,843, published Nov. 18, 1947. Class 38.

General Aniline & Film Corporation: See—
Actien-Gesellschaft für Anilin-Fabrikation.

General Coal Company, Cincinnati, Ohio, to General Coal Company, Philadelphia, Pa. Coal. 233,775, renewed Oct. 11, 1947. O. G. Feb. 17. Class 1.

General Coal Company, Cincinnati, Ohio, to General Coal Company, Philadelphia, Pa. Coal. 236,726, renewed Dec. 20, 1947. O. G. Feb. 17. Class 1.

General Electric Company, Schenectady, N. Y. Electric lamp holders. 436,652, Feb. 17; Serial No. 511,463, published Nov. 18, 1947. Class 21.

General Transformer Corporation, Chicago, Ill. Battery eliminators and electrical transformers. 436,620, Feb. 17; Serial No. 498,761, published Nov. 18, 1947. Class 21.

Ghirardelli, D., Co., San Francisco, Calif. Chocolate candy, cocoa. 205,776, Nov. 17, 1925. Republished Feb. 17. Class 46.

Ghirardelli, D., Co., San Francisco, Calif. Cocoa, chocolate, candy. 222,157, Dec. 21, 1926. Republished Feb. 17. Class 46.

Giannini, Peter, Santa Clara, Calif. Fresh vegetables. 436,750, Feb. 17; Serial No. 523,013, published Nov. 25, 1947. Class 46.

Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. 436,777, Feb. 17. Class 23.

Glaziers' Tool Mfg. Corp., Chicago, Ill. Glass cutters' and glaziers' rules and glass thickness gauges. 436,755, Feb. 17; Serial No. 524,128, published Oct. 28, 1947. Class 26.

Glen Rock Bottling Works: See—
Woertz, Henry.

Goltra, Charles, Albany, Ore. Hair tonic. 436,737, Feb. 17; Serial No. 522,034, published Nov. 18, 1947. Class 6.

Goodwill Shoe Company: See—
Williams, Arthur A.

Gordon, George, doing business under the firm name Bergere Company, New York, N. Y., assignor to Consolidated Cosmetics, Chicago, Ill. Toilet water. 436,622, Feb. 17; Serial No. 499,780, published Feb. 11, 1947. Class 6.

Gove, Ernestine L., doing business as Luda Cosmetic Company, New York, N. Y. Cosmetic face creams. 436,714, Feb. 17; Serial No. 519,521, published Nov. 25, 1947. Class 6.

Grant Photo Products, Inc., New York, N. Y. Sensitized photographic paper. 436,765, Feb. 17; Serial No. 525,589, published Oct. 28, 1947. Class 26.

Green, Theron R., Pine Bluff, Ark. Photographic folders. 436,660, Feb. 17; Serial No. 512,118, published Nov. 11, 1947. Class 37.

Gretsch, Fred., Manufacturing Co., The, Brooklyn, N. Y. Jewsharps. 436,669, Feb. 17; Serial No. 514,412, published Nov. 11, 1947. Class 36.

Griffith Laboratories, Inc., The, assignee: See—
Lavin, Harry.

Grushlaw and Sichel, Philadelphia, Pa., to Leonoid Morse Company, Boston, Mass. Knit jackets. 235,080, renewed Nov. 8, 1947. O. G. Feb. 17. Class 39.

Guaranty Gas Coal Company, The: See—
Burton, J. P., Coal Company, The.

Gun-Weld Construction and Manufacturing Company: See—
Schumacher, William H.

Hamilton Watch Company, Lancaster, Pa. Watches, watch movements, and parts thereof. 436,762, Feb. 17; Serial No. 525,317, published Nov. 18, 1947. Class 27.

Heald Machine Company, The, Worcester, Mass. Precision grinding machines. 221,128, Nov. 23, 1926. Republished Feb. 17. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Hearst Corporation, The, New York, N. Y. Newspaper column, section or feature. 436,685, Feb. 17; Serial No. 515,760, published Nov. 25, 1947. Class 38.

Heinz, H. J., Company, Allegheny, to H. J. Heinz Company, Pittsburgh, Pa. Pickles, chow-chow, sauer-kraut, etc. 67,934, re-renewed Feb. 25, 1948. O. G. Feb. 17. Class 46.

Heller Brothers Company, Newark, N. J. Monthly publication. 436,603, Feb. 17; Serial No. 469,199, published Nov. 25, 1947. Class 38.

Henrietta Mills, The, Caroleen, N. C., to The Henrietta Mills, Caroleen and Henrietta, N. C.; Cherokee Falls, S. C., and New York, N. Y. Finished cotton goods in the piece. 238,758-60, renewed Feb. 14, 1948. O. G. Feb. 17. Class 42.

Hercules Powder Company, Wilmington, Del. Active chemical ingredient. 436,667, Feb. 17; Serial No. 514,036, published Nov. 25, 1947. Class 6.

Hewitt Soap Company, Inc., The: See—
Kirk, James S., & Company.

Heyman, Fannie R., New York, N. Y. Cosmetic lip coating. 436,682, Feb. 17; Serial No. 515,426, published Nov. 25, 1947. Class 6.

Holophone Company, Inc., New York, N. Y. Periodical of house organ type. 436,607, Feb. 17; Serial No. 488,528, published Nov. 4, 1947. Class 38.

Horst, E. Clemens, Co., San Francisco, Calif. Canned fruits, canned vegetables, dried fruits, etc. 218,778, Oct. 5, 1926. Republished Feb. 17. Class 46.

Housing Research Corporation, Boston, Mass. Fastener plates, nuts, panels and auxiliary pieces, etc. 436,663, Feb. 17; Serial No. 512,590, published Nov. 25, 1947. Class 12.

Hower, Harry C., by Vogue Rubber Company, Chicago, Ill. Automobile tires and tubes. 212,547, May 4, 1926. Republished Feb. 17. Class 35.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Animal stalls, partitions, cattle pen panels, etc. 436,784, Feb. 17. Class 12.

Hudson, John W., New York, N. Y. Fuel injection nozzles, pumps, turbo-gas engines, etc. 436,616, Feb. 17; Serial No. 497,179, published Nov. 18, 1947. Class 23.

Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Tires, motor cars, and other vehicles. 436,715, Feb. 17; Serial No. 519,580, published Nov. 18, 1947. Class 35.

Huntington Laboratories, Inc., Huntington, Ind. Pine oil disinfectant. 436,726, Feb. 17; Serial No. 520,708, published Nov. 18, 1947. Class 6.

Iles, A. E., Company, Dallas, Tex. Vanilla and vanillin concentrates. 436,621, Feb. 17; Serial No. 499,496, published Nov. 18, 1947. Class 46.

Imperial Record Co., Los Angeles, Calif. Mechanically grooved phonograph records. 436,710, Feb. 17; Serial No. 519,070, published Nov. 11, 1947. Class 38.

Inderrieden Canning Co., by The J. B. Inderrieden Co., Chicago, Ill. Dried fruits. 213,534, June 1, 1926. Republished Feb. 17. Class 46.

Inderrieden Canning Co., by The J. B. Inderrieden Co., Chicago, Ill. Canned and dried fruits, canned vegetables, etc. 221,321, Nov. 30, 1926. Republished Feb. 17. Class 46.

Inderrieden, J. B. Co., The: See—
Inderrieden Canning Co.

Inderrieden, J. B. Co., Chicago, Ill. Nuts and nut meats. 217,759, Sept. 7, 1926. Republished Feb. 17. Class 46.

Industria Marmellate e Conserve Alimentari, to Società Ligure Lombarda per Industrie Marmellate e Conserve Alimentari, Voghera, Italy. Preserved fruits. 233,945, renewed Oct. 11, 1947. O. G. Feb. 17. Class 46.

Industrial Safety Pharmaceuticals, Inc., Woodbury, N. J. Composition for use in neutralizing chemical burns. 436,664, Feb. 17; Serial No. 513,056, published Nov. 18, 1947. Class 6.

International Cellucotton Products Company: See—
Cellucotton Products Company.

International Cement Corporation, to Lone Star Cement Corporation, New York, N. Y. Portland cement. 238,620, renewed Feb. 14, 1948. O. G. Feb. 17. Class 12.

International Harvester Company, Chicago, Ill. Wagons and parts thereof. 217,030, Aug. 24, 1926. Republished Feb. 17. Class 19.

International Shoe Company, St. Louis, Mo. Boots and shoes. 436,775, Feb. 17. Class 39.

Jacks-Evans Manufacturing Company, St. Louis, Mo. Portable ovens. 206,302, Nov. 24, 1925. Republished Feb. 17. Class 34.

Jacobs, E. H., Manufacturing Co. Inc., Danielson, Conn. Loom supplies. 436,683, Feb. 17; Serial No. 515,621, published Nov. 18, 1947. Class 23.

Jacobs Press: See—
Jacobs, William P.

Jacobs, William P., doing business as Jacobs Press, Clinton, S. C. Monthly sports magazine. 436,640, Feb. 17; Serial No. 508,369, published Nov. 25, 1947. Class 38.

Johnson, A. Gales, doing business as Standard Homes Company, Washington, D. C. Working drawings for houses, plan books, etc. 436,658, Feb. 17; Serial No. 511,880, published Nov. 18, 1947. Class 38.

Julliard, A. D., & Co., Inc.: See—
Atlantic Mills, The.

Junior League Frocks, Inc., New York, N. Y. Ladies' garments. 436,654, Feb. 17; Serial No. 511,562, published Nov. 4, 1947. Class 39.

K & S Corset Manufacturing Co., Inc., assignee: See—
Stay-In-Form Foundations.

Kabo Corset Company, Chicago, Ill. Brassieres. 436,649, Feb. 17; Serial No. 510,699, published Sept. 30, 1947. Class 39.

Kahn's, E., Sons Company, The, Cincinnati, Ohio. Lard. 233,734, renewed Oct. 11, 1947. O. G. Feb. 17. Class 46.

Kansas Milling Company, Inc., Wichita, Kan. Wheat flour. 65,400, re-renewed Sept. 24, 1947. O. G. Feb. 17. Class 46.

Katchee Bib Company: See—
Christman, Marion A.

Keasbey & Mattison Company, by Keasbey & Mattison Company (1934), Ambler, Pa. Pipe covering. 199,962, June 23, 1925. Republished Feb. 17. Class 12.

Keasbey & Mattison Company (1934): See—
Keasbey & Mattison Company.

Keene, R. D., & Co., Eustis, Fla., to R. D. Keene, Inc., Winter Garden, Fla. Fresh citrus fruit. 238,028, renewed Jan. 24, 1948. O. G. Feb. 17. Class 46.

Keene, R. D., Inc.: See—
Keene, R. D., & Co.

Kelly Axe Manufacturing Company, Charleston, W. Va., by The American Fork and Hoe Company, Cleveland, Ohio. Axes, hatchets, scythes, etc. 119,899, Dec. 18, 1917. Republished Feb. 17. Class 23.

Kelly Axe and Tool Company, Charleston, W. Va., by The American Fork and Hoe Company, Cleveland, Ohio. Axes and hatchets. 210,847, Mar. 23, 1926. Republished Feb. 17. Class 23.

Ketell Co., The: See—
Ketell, H. R.

Ketell, H. R., doing business as The Ketell Co., Los Angeles, Calif. Cementitious building material. 436,695, Feb. 17; Serial No. 517,729, published Nov. 25, 1947. Class 12.

Kimble Glass Co., Chicago, Ill., by Owens-Illinois Glass Company, Toledo, Ohio. Beakers, flasks, and other glass containers. 117,764, July 31, 1917. Republished Feb. 17. Class 33.

Kirk, James S., & Company, Chicago, Ill., by The Procter & Gamble Company, Cincinnati, Ohio. Soap powder. 206,188, Nov. 24, 1925. Republished Feb. 17. Class 4.

Kirk, James S., & Company, Chicago, Ill., by The Procter & Gamble Company, Cincinnati, Ohio. Soap chips. 207,545, Jan. 5, 1926. Republished Feb. 17. Class 4.

Kirk, James S., & Company, Chicago, Ill., by The Hewitt Soap Company, Inc., Dayton, Ohio. Soap. 210,436, Mar. 16, 1926. Republished Feb. 17. Class 4.

Kloster Steel Corporation, Chicago, Ill. Iron. 212,096, Apr. 27, 1926. Republished Feb. 17. Class 14.

Kohler Die & Specialty Company, De Kalb, Ill., to Frantz Manufacturing Company, Sterling, Ill. Roller skates. 233,736, renewed Oct. 11, 1947. O. G. Feb. 17. Class 22.

Kolar Laboratories, Inc., Chicago, Ill. Night skin cream, emulsified cleansing cream, hand lotion, etc. 436,661, Feb. 17; Serial No. 512,265, published Nov. 18, 1947. Class 6.

Kono Manufacturing Company, The, Woodside, N. Y. Cardboard tags. 436,619, Feb. 17; Serial No. 498,640, published Nov. 11, 1947. Class 37.

Kremetz & Company: See—
Taylor & Co., Inc.

Lanteen Medical Laboratories, Inc., Chicago, Ill. B-complex vitamin tablets. 436,653, Feb. 17; Serial No. 511,479, published Nov. 18, 1947. Class 6.

Larré Laboratories, Inc.: See—
Fort, Clarence E.

Lavin, Harry, Canton, Ohio, assignor to The Griffith Laboratories, Inc., to The Griffith Laboratories, Inc., Chicago, Ill. Pickling salt. 232,287-8, renewed Sept. 6, 1947. O. G. Feb. 17. Class 6.

Leach Company, Oshkosh, Wis. Logging tools and electrical pole-line construction tools. 214,035, June 8, 1926. Republished Feb. 17. Class 23.

Lee Paper Company, Bicksburg, Mich. Super, suede-like text and papeterie paper and pasted bristol. 436,786, Feb. 17. Class 37.

Leffler & Co.: See—
Leffler, Eli S.

Leffler, Eli S., doing business as Leffler & Co., St. Louis, Mo. Soap. 240,404, renewed Mar. 27, 1948. O. G. Feb. 17. Class 4.

Leprince, Maurice, to Société a Responsabilité Limitée Laboratoires Du Dr. Maurice Leprince, Paris, France. Pills. 65,301, re-renewed Sept. 17, 1947. O. G. Feb. 17. Class 6.

Le Tourneau, R. G., Inc., Peoria, Ill. Electric motors, electric generators, and electrically actuated reduction gear boxes. 436,718, Feb. 17; Serial No. 519,765, published Nov. 18, 1947. Class 21.

Lincoln Engineering Company: See—
Lincoln Steel & Forge Company.

Lincoln Steel & Forge Company, by Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 215,210, July 13, 1926. Republished Feb. 17. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Linnea Perfumes, Inc., Chicago, Ill. Hair dressing, after-shave lotion, cologne, etc. 436,703, Feb. 17; Serial No. 518,538, published Nov. 18, 1947. Class 6.

Loft Candy Corporation, Long Island City, N. Y. Candy. 436,731, Feb. 17; Serial Nos. 521,346, published Nov. 11, 1947. Class 46.

Lone Star Cement Corporation: See—
International Cement Corporation.

Loomis, W. H., Talc Corporation, Gouverneur, N. Y. Gritless short-fiber paper filler. 232,295, renewed Sept. 6, 1947. O. G. Feb. 17. Class 1.

Luda Cosmetic Company: See—
Gove, Ernestine L.

Luther, Paul, Enterprises, Inc., Larchmont, N. Y. Newspaper section or department. 436,668, Feb. 17; Serial No. 514,052, published Nov. 4, 1947. Class 38.

Lux Clock Manufacturing Company, Inc., The Waterbury, Conn. Time controlled instruments. 436,634, Feb. 17; Serial No. 505,160, published Oct. 28, 1947. Class 26.

Lyons, James A., by J. A. Lyons, doing business as Reliable Typewriter & Adding Machine Company, Chicago, Ill. Vest-pocket adding machines. 222,091, Dec. 21, 1926. Republished Feb. 17. Class 26.

Mac Photo Company, The, Oradell, N. J. Photographic equipment. 436,768, Feb. 17; Serial No. 526,264, published Nov. 4, 1947. Class 26.

Madsen, Fred, Missoula, Mont. Polish for cleaning silverware. 238,122, renewed Jan. 24, 1948. O. G. Feb. 17. Class 4.

Maison Marlverne: See—
Enterprise Chemical Co.

Malcolm Advertising Service: See—
Malcolm, Henry W.

Malcolm, Henry W., doing business as Malcolm Advertising Service, Tampa, Fla. Cartoons. 436,706, Feb. 17; Serial No. 518,901, published Nov. 25, 1947. Class 38.

Mallinckrodt Chemical Works, St. Louis, Mo. Tetradol-phenolphthalein sodium salt. 213,690, June 1, 1926. Republished Feb. 17. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Tetradol-phenolphthalein sodium salt. 213,728, June 1, 1926. Republished Feb. 17. Class 6.

Maple Knitwear Co., New York, N. Y. Sweaters and knit jackets. 436,774, Feb. 17. Class 39.

Margulis Brothers, St. Louis, Mo. Wearing apparel. 436,630, Feb. 17; Serial No. 503,381, published Dec. 31, 1946. Class 39.

Martin, Harold L., doing business as The Styl-O-Matic Co., Culver City and Mar Vista, Calif. Fountain pens. 436,648, Feb. 17; Serial No. 510,328, published Nov. 11, 1947. Class 37.

Mason Box Company, The, Attleboro Falls, Mass. Boxes. 218,470, Sept. 28, 1926. Republished Feb. 17. Class 2.

Maxxon Food Systems, Inc., New York, N. Y. Precooked frozen meals. 436,697, Feb. 17; Serial No. 517,792, published Nov. 25, 1947. Class 46.

McDonnell, Everett N., doing business as McDonnell & Miller, Chicago, Ill. Snap switches. 436,600, Feb. 17; Serial No. 452,310, published Mar. 16, 1943. Class 21.

McDonnell & Miller: See—
McDonnell, Everett N.

McKay, David, Company, Philadelphia, Pa. Series of books published every two months. 436,628, Feb. 17; Serial No. 501,754, published Nov. 18, 1947. Class 38.

Metallising Engineering Co. Inc., Long Island City, N. Y. Metal spray guns. 436,641, Feb. 17; Serial No. 508,385, published Nov. 18, 1947. Class 23.

Metropolitan Line, The: See—
Todes Brothers.

Migel, M. C., & Co., to National Mallinson Fabrics Corporation, New York, N. Y. Broad silks. 67,746, renewed Feb. 18, 1948. O. G. Feb. 17. Class 42.

Migel, M. C., & Co., to National Mallinson Fabrics Corporation, New York, N. Y. Broad silks. 67,748, renewed Feb. 18, 1948. O. G. Feb. 17. Class 42.

Miller, Clifford L. & Co., to Minwax Company, Inc., New York, N. Y. Preservative paints. 66,560, renewed Dec. 10, 1947. O. G. Feb. 17. Class 16.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety instruments. 385,548, Mar. 11, 1941. Republished Feb. 17. Class 26.

Minnesota Linseed Oil Paint Company: See—
Ohio Varnish Company, The.

Mintons Limited, Stoke-on-Trent, England. Electric table lamps and component parts thereof. 436,671, Feb. 17; Serial No. 514,552, published Nov. 18, 1947. Class 21.

Minwax Company, Inc.: See—
Miller, Clifford L. & Co.

Monsanto Chemical Company: See—
Monsanto Chemical Works.

Monsanto Chemical Works, by Monsanto Chemical Company, St. Louis, Mo. Insecticides. 220,902, Nov. 16, 1926. Republished Feb. 17. Class 6.

Moore Pen Company, The, Boston, Mass. Mechanical pencils. 436,719, Feb. 17; Serial No. 520,107, published Nov. 11, 1947. Class 37.

Morse, Leopold, Company: See—
Grushlaw and Sichel.

Movietone, Inc.: See—
Fox-Case Corporation.

Mulkern, Charles M., St. Paul, Minn. Disc type mechanically grooved phonograph records. 436,681, Feb. 17; Serial No. 515,325, published Nov. 4, 1947. Class 36.

Myrna Products Co.: See—
Cordero, Alberto.

National Biscuit Company, New York, N. Y. Bakery products. 436,711, Feb. 17; Serial No. 519,081, published Nov. 18, 1947. Class 46.

National Conference of Business Paper Editors: See—
Associated Business Papers, Inc.

National Geographic Society, Washington, D. C. Continuing publication at present published annually. 436,700, Feb. 17; Serial No. 518,167, published Nov. 18, 1947. Class 38.

National Mallinson Fabrics Corporation: See—
Migel, M. C., & Co.

National Paper Products Company, by Crown Zellerbach Corporation, also doing business as National Paper Products Sales Company, San Francisco, Calif. Paper, wooden, or metal dispensing cabinets. 153,264, Mar. 14, 1922. Republished Feb. 17. Class 2.

National Paper Products Sales Company: See—
National Paper Products Company.

Nat-Lie, Inc., Brooklyn, N. Y. Women's coats, suits, and dresses. 436,687, Feb. 17; Serial No. 515,844, published Nov. 4, 1947. Class 39.

New Home Sewing Machine Company, The, Orange, Mass., assignor to The New Home Sewing Machine Company, to The New Home Sewing Machine Company, Rockford, Ill. Sewing-machines and attachments. 59,942-3, renewed Jan. 22, 1947. O. G. Feb. 17. Class 23.

New Home Sewing Machine Company, The, Orange, Mass., assignor to The New Home Sewing Machine Company, to The New Home Sewing Machine Company, Rockford, Ill. Sewing-machines and attachments. 59,950, renewed Jan. 29, 1947. O. G. Feb. 17. Class 23.

New Home Sewing Machine Company, The, Orange, Mass., assignor to The New Home Sewing Machine Company, to The New Home Sewing Machine Company, Rockford, Ill. Sewing-machines and attachments. 59,952-3, renewed Jan. 22, 1947. O. G. Feb. 17. Class 23.

New Home Sewing Machine Company, The, Orange, Mass., assignor to The New Home Sewing Machine Company, to The New Home Sewing Machine Company, Rockford, Ill. Sewing-machines and attachments. 60,079-80, renewed Jan. 29, 1947. O. G. Feb. 17. Class 23.

Norcross, New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. 436,679, Feb. 17; Serial No. 515,127, published Nov. 18, 1947. Class 38.

Norcross, Inc., New York, N. Y. Greeting cards; printed greeting folders; calendars; etc. 436,692, Feb. 17; Serial No. 516,783, published Nov. 11, 1947. Class 38.

Northrup, King & Co., Minneapolis, Minn. Poultry feed, stock feed, and dairy feed. 226,053, Mar. 29, 1927. Republished Feb. 17. Class 46.

Norvell-Shapleigh Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Axes, hatchets, cold-chisels, etc. 67,796, renewed Feb. 18, 1948. O. G. Feb. 17. Class 23.

Norvell-Shapleigh Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Scoops. 67,797, renewed Feb. 18, 1948. O. G. Feb. 17. Class 23.

Norvell-Shapleigh Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Lawn-mowers. 68,001, renewed Mar. 3, 1948. O. G. Feb. 17. Class 23.

Norvell-Shapleigh Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Hammers. 68,011, renewed Mar. 3, 1948. O. G. Feb. 17. Class 23.

Norvell-Shapleigh Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Picks, grub-hoes, trowels, shovels, and spades. 68,013, renewed Mar. 3, 1948. O. G. Feb. 17. Class 23.

Norvell-Shapleigh Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Ice-skates. 68,052, renewed Mar. 3, 1948. O. G. Feb. 17. Class 22.

Norvell-Shapleigh Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Shotguns. 68,123, renewed Mar. 10, 1948. O. G. Feb. 17. Class 9.

Nunn-Bush Shoe Company, Milwaukee, Wis. Men's and boys' shoes, oxfords, slippers, etc. 436,781, Feb. 17. Class 39.

Nyko, Incorporated: See—
Nyko Laboratories.

Nyko Laboratories, to Nyko, Incorporated, Chicago, Ill. Cleanser for dentures. 226,288, renewed Apr. 5, 1947. O. G. Feb. 17. Class 4.

Nylon Bearings, Incorporated, Whitman, Mass. Bearing bushings and sleeves. 436,646, Feb. 17; Serial No. 509,947, published Nov. 18, 1947. Class 23.

Odell Company, Inc., The, Newark, N. J. Toilet requisites. 240,361, renewed Mar. 27, 1948. O. G. Feb. 17. Class 6.

Oelerich & Berry Company, Chicago, Ill. Table syrup, fruit preserves, jelly, etc. 223,424, Feb. 1, 1927. Republished Feb. 17. Class 46.

Ohio Leather Company, The, Girard, Ohio. Leathers. 238,662, renewed Feb. 14, 1948. O. G. Feb. 17. Class 1.

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Ohio Varnish Company, The, Cleveland, Ohio, by Minnesota Linseed Oil Paint Company, Minneapolis, Minn. White enamel paint. 221,238, Nov. 23, 1926. Republished Feb. 17. Class 16.

Optimus Products Co.: See—
Bravo, J. A. Prado.

Orr Felt & Blanket Company, The, Piqua, Ohio. Felt belts for paper making machinery. 436,705, Feb. 17; Serial No. 518,736, published Nov. 18, 1947. Class 35.

Orstein, D., & Sons Corp., New York, N. Y. Bracelets. 436,723, Feb. 17; Serial No. 520,465, published Nov. 11, 1947. Class 28.

Ortiz, Alfonso, New York, N. Y. Soups. 436,732, Feb. 17; Serial No. 521,399, published Nov. 18, 1947. Class 46.

Owens-Illinois Glass Company: See—
Kimble Glass Co.

Owl Drug Co., The: See—
Owl Drug Company, The.

Owl Drug Company, The, San Francisco, Calif., to The Owl Drug Co., Los Angeles, Calif. Preparation for destroying insects and vermin, bronchial troches, etc. 232,712, renewed Sept. 13, 1947. O. G. Feb. 17. Class 6.

Pacific Air motive Corporation: See—
Airplane Manufacturing & Supply Corporation.

Paraffine Paint Co., The, to The Paraffine Paint Companies, Inc., San Francisco, Calif. Paint and paint compounds. 65,279, re-renewed Sept. 17, 1947. O. G. Feb. 17. Class 16.

Paraffine Paint Companies, Inc.: See—
Paraffine Paint Co.

Perkins Soap Company, Springfield, Mass. Soap. 239,440, renewed Mar. 6, 1948. O. G. Feb. 17. Class 4.

Perley, Reuben N., Omaha, Neb. Cards. 436,675-6, Feb. 17; Serial Nos. 515,045-6, published Nov. 18, 1947. Class 38.

Peter, Nicholas P., doing business as Soriaslina Co., Ossining, N. Y. Liquid medicine. 436,721, Feb. 17; Serial No. 520,297, published Nov. 25, 1947. Class 6.

Phillips Chemical Co.: See—
Bash, John M.

Picot Company, The: See—
Valledejuli, Manuel S.

Picot Laboratories, Inc.: See—
Valledejuli, Manuel S.

Plymouth Paper Company, Inc., Holyoke, Mass. Writing and printing paper. 436,756, Feb. 17; Serial No. 524,149, published Nov. 18, 1947. Class 37.

Polytech Devices, Inc., Elizabeth, N. J. Piezoelectric elements and holders therefor, and electrical impedances and holders therefor. 436,680, Feb. 17; Serial No. 515,234, published Nov. 11, 1947. Class 21.

Portsmouth Cotton Oil Refining Corporation, Portsmouth, Va., by The Procter & Gamble Company, Cincinnati, Ohio. Vegetable shortening. 218,825, Oct. 5, 1926. Republished Feb. 17. Class 46.

Procter & Gamble Company, The: See—
Kirk, James S., & Company.

Portsmouth Cotton Oil Refining Corporation, by Procter & Gamble Company, The, Cincinnati, Ohio. Woodley Soap Manufacturing Company.

Procter & Gamble Company, The, Cincinnati, Ohio. Antifreeze mixture. 209,739, Mar. 2, 1926. Republished Feb. 17. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 214,115, June 15, 1926. Republished Feb. 17. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Toilet and bath soap. 222,564, Jan. 4, 1927. Republished Feb. 17. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Toilet and bath soap. 240,433, Mar. 27, 1928. Republished Feb. 17. Class 4.

Pyro-Therapeutic Corporation, Newark, N. J. Medicinal ointment. 436,738, Feb. 17; Serial No. 522,091, published Nov. 18, 1947. Class 6.

Real Sport Clothing Company, by Samuel Caplin, doing business as Real Sport Clothing Company, Philadelphia, Pa. Coats, riding breeches, and knickerbockers, etc. 225,178, Mar. 15, 1927. Republished Feb. 17. Class 39.

Reinis Coat & Suit Co., Inc., New York, N. Y. Ladies' coats, suits, skirts, etc. 436,790, Feb. 17. Class 39.

Reliable Typewriter & Adding Machine Company: See—
Lyons, James A.

Respro Inc., Cranston, R. I. Adhesively integrated fibrous materials. 203,807, Sept. 29, 1925. Republished Feb. 17. Class 42.

Respro Inc., Cranston, R. I. Adhesively integrated fibrous material. 226,936, Apr. 26, 1927. Republished Feb. 17. Class 50.

Rezell Drug Company, Los Angeles, Calif. Fountain pens. 436,720, Feb. 17; Serial No. 520,122, published Nov. 11, 1947. Class 37.

Roberts, Paul, and Associates, Atlantic City, N. J. Monthly magazine. 436,673, Feb. 17; Serial No. 514,722, published Nov. 25, 1947. Class 38.

Robinson Bros. & Company, Incorporated, Portland, Maine, and Malden, Mass., to Robinson Bros. & Company Incorporated, Malden, Mass. Soap. 65,760, renewed Oct. 22, 1947. O. G. Feb. 17. Class 4.

Rockwood & Co., Brooklyn, N. Y. Chocolate confection pieces. 436,604, Feb. 17; Serial No. 470,348, published Nov. 18, 1947. Class 46.

Rogers, Howard E., doing business as Howard E. Rogers Company, Los Angeles, Calif. Fresh vegetables and fresh deciduous fruits. 436,753, Feb. 17; Serial No. 523,670, published Nov. 25, 1947. Class 46.

Rogers, Howard E. Company: See—
Rogers, Howard E.

Roos, Jimmy N., New Orleans, La. Photographs, portraits, copies of documents, and framed pictures. 436,639, Feb. 17; Serial No. 507,657, published Nov. 4, 1947. Class 38.

Rorer, William H., Inc., Philadelphia, Pa. Colloid laxative. 436,647, Feb. 17; Serial No. 510,113, published Nov. 25, 1947. Class 6.

Ross, W. A., & Sons, Limited, Belfast, Ireland. Ginger-ale, orangeade, and soda-water. 30,632, re-renewed Oct. 5, 1947. O. G. Feb. 17. Class 45.

Ross, W. A., & Sons, Limited, Belfast, Ireland. Ginger-ale and soda-water. 30,633, re-renewed Oct. 5, 1947. O. G. Feb. 17. Class 45.

Royal Diamond & Watch Co., Inc., New York, N. Y. Diamond rings. 436,757, Feb. 17; Serial No. 524,212, published Nov. 18, 1947. Class 28.

Royal Hawaiian Laboratories: See—
Bode, Hans A.

Rub-No-More Company, Fort Wayne, Ind., by The Procter & Gamble Company, Cincinnati, Ohio. Washing powder. 215,151, July 13, 1926. Republished Feb. 17. Class 4.

St. Louis Hostess Co., The: See—
Schmitt, Marion.

Sanit-All Products Corporation, Greenwich, Ohio. Electric sterilizers, electric formula and steriliser outfits, etc. 436,699, Feb. 17; Serial No. 518,049, published Nov. 18, 1947. Class 21.

Schirmer, E. C., Music Company, Boston, Mass. Musical publications. 436,632, Feb. 17; Serial No. 504,635, published Nov. 18, 1947. Class 38.

Schludenberg, Wm.-T. J. Kurlde Co., The, Baltimore, Md. Cured pork. 236,506, renewed Dec. 13, 1947. O. G. Feb. 17. Class 46.

Schmidt, J. Robert, Louisville, Ky. Picture envelopes with canceled stamps thereon. 436,626, Feb. 17; Serial No. 501,342, published Nov. 4, 1947. Class 38.

Schmitt, Marion, doing business as The St. Louis Hostess Co., St. Louis, Mo. Monthly publication. 436,666, Feb. 17; Serial No. 513,689, published Nov. 18, 1947. Class 38.

Schneider, Lou, Inc., New York, N. Y. Misses' coats and suits. 436,739, Feb. 17; Serial No. 522,353, published Nov. 11, 1947. Class 39.

Schulman, J., & Brother, New York, N. Y. Fur garments designed for women. 436,780, Feb. 17. Class 39.

Schumacher, William H., doing business as Gun-Weld Construction and Manufacturing Company, Oklahoma City, Okla. Ready-mixed cement and sand mixtures. 436,614, Feb. 17; Serial No. 496,292, published Nov. 25, 1947. Class 12.

Searle, G. D., & Co., Chicago, Ill. Therapeutic preparation. 436,763, Feb. 17; Serial No. 525,411, published Nov. 18, 1947. Class 6.

Sears and Hinchliffe: See—
Sears & Hinchliffe.

Sears & Hinchliffe, Old Orchard, Maine, to Sears and Hinchliffe, Old Orchard Beach, Maine. Candy. 233,904, renewed Oct. 11, 1947. O. G. Feb. 17. Class 46.

Sells, Harry G., Columbus, Ohio. Solenoid actuated switches. 436,612, Feb. 17; Serial No. 494,132, published Nov. 18, 1947. Class 21.

Shapleigh Hardware Company: See—
Norvell-Shapleigh Hardware Company.

Shaw-Randall Company, Pawtucket, R. I. Cellophane wrap. 436,655, Feb. 17; Serial No. 511,766, published Nov. 11, 1947. Class 37.

Steminski, Francis R., Jersey City, N. J. Series of cartoons or comic strips. 436,702, Feb. 17; Serial No. 518,487, published Nov. 25, 1947. Class 38.

Simmon Brothers, Inc., Long Island City, N. Y. Photographic enlargers. 436,745, Feb. 17; Serial No. 522,561, published Oct. 21, 1947. Class 26.

Simmons Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Adzes, cutting tools of awl and tool sets, etc. 67,798, renewed Feb. 18, 1948. O. G. Feb. 17. Class 23.

Simmons Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Hammers, screw driver bits, bit braces, etc. 67,856, re-renewed Feb. 25, 1948. O. G. Feb. 17. Class 23.

Simplex Time Recorder Co., Gardner, Mass. Employees' and watchmen's time clocks. 436,764, Feb. 17; Serial No. 525,507, published Nov. 18, 1947. Class 27.

Societa Ligure Lombarda per Industrie Marmellate e Conserve Alimentari: See—
Industria Marmellate e Conserve Alimentari.

Societa a Responsabilite Limita Laboratoires Du Dr. Maurice Leprince: See—
Leprince, Maurice.

Société Anonyme Des Anciens Etablissements A. Combe & Fils & Cie. to Anciens Etablissements A. Combe & Fils & Cie. (Société Anonyme), Paris, France. Skins and leathers of all kinds and qualities. 199,875, renewed June 18, 1945. O. G. Feb. 17. Class 1.

Société L'Aliment Essentiel, Nanterre, France. Prepared foods for infants and invalids. 198,013, renewed Apr. 28, 1945. O. G. Feb. 17. Class 46.

Society Brand Clothes, Inc.: See—
Decker, Alfred, & Cohn, Inc.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum fibre lubricant. 436,690, Feb. 17; Serial No. 516,643, published Nov. 18, 1947. Class 6.

Sorlasina Co.: See—
Peter, Nicholas P.

Spaulding & Company, Chicago, Ill. Cutlery and carving sets. 436,623, Feb. 17; Serial No. 500,838, published Nov. 18, 1947. Class 23.

Spencer Thermostat Company, Attleboro, Mass. Water, steam, and gas valves. 204,291, Oct. 13, 1925. Republished Feb. 17. Class 13.

Spencer Thermostat Company, Attleboro, Mass. Thermostatic controls. 208,219, Jan. 19, 1926. Republished Feb. 17. Class 26.

Sperli, Inc., Cincinnati, Ohio. Fixtures containing ultraviolet light sources. 436,625, Feb. 17; Serial No. 501,021, published Nov. 18, 1947. Class 21.

Squillante, Vincent J., New York, N. Y. Fresh fruits; and fresh vegetables. 234,730, renewed Nov. 1, 1947. O. G. Feb. 17. Class 46.

Standard Business Machines Co., Chicago, Ill. Electric desk and office lamps. 436,716, Feb. 17; Serial No. 519,700, published Nov. 11, 1947. Class 21.

Standard Homes Company: See—
Johnson, A. Gales.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Asphalt. 436,769, Feb. 17; Serial No. 525,124, published Nov. 11, 1947. Class 12.

Star Oil Company, Chicago, Ill. Lubricating oils. 220,525, Nov. 9, 1926. Republished Feb. 17. Class 15.

Stay-In-Form Foundations, assignor to K & S Corset Manufacturing Co., Inc., New York, N. Y. Foundation garments. 436,782, Feb. 17. Class 39.

Stephen-Jay Co., Inc., New York, N. Y. Brassières. 436,725, Feb. 17; Serial No. 520,654, published Nov. 11, 1947. Class 39.

Sterling Pulp & Paper Company, Eau Claire, Wis. Paper napkins, paper towels and toilet paper. 436,734, Feb. 17; Serial No. 521,700, published Nov. 11, 1947. Class 37.

Street, Geo. O. & Sons, New York, N. Y., to Geo. O. Street & Sons, Inc., New York, N. Y. Finger-rings, fobs, seals, charms; etc. 64,447, re-renewed Aug. 6, 1947. O. G. Feb. 17. Class 28.

Street, Geo. O. & Sons, Inc.: See—
Street, Geo. O. & Sons.

Street & Smith Publications, Inc., New York, N. Y. Title for a cartoon, series of cartoons, cartoon strip, etc. 436,605, Feb. 17; Serial No. 471,644, published Nov. 13, 1945. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Periodical publication. 436,665, Feb. 17; Serial No. 513,476, published Nov. 18, 1947. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Column in a periodical published at intervals. 436,704, Feb. 17; Serial No. 518,569, published Nov. 25, 1947. Class 38.

Styl-O-Matic Co., The: See—
Martin, Harold L.

Taylor & Co., Inc., to Krementz & Company, Newark, N. J. Watch bracelets, lognette chains, finger rings, etc. 231,686, renewed Aug. 23, 1947. O. G. Feb. 17. Class 28.

Technical Societies Council of Kansas Area, Kansas City, Mo. Periodical published monthly. 436,633, Feb. 17; Serial No. 504,941, published Nov. 25, 1947. Class 38.

Telecoin Corporation, New York, N. Y. Coin meters. 436,642, Feb. 17; Serial No. 508,393, published Nov. 18, 1947. Class 26.

Teleoptic Company, The, Racine, Wis. Timing mechanisms. 436,610, Feb. 17; Serial No. 492,112, published Nov. 18, 1947. Class 26.

Theonett & Co., Chicago, Ill. Table sauce or dressing. 232,687, renewed Sept. 13, 1947. O. G. Feb. 17. Class 46.

Thirion, Roger, & Cie., Paris, France. Beauty cream. 436,712, Feb. 17; Serial No. 519,096, published Nov. 18, 1947. Class 6.

Thornton & Chester Milling Company, Buffalo, N. Y. Wheat flour. 238,163, renewed Jan. 31, 1948. O. G. Feb. 17. Class 46.

Todes Brothers, doing business as The Metropolitan Line, Chicago, Ill. Plastic clogs suitable for shower, beach, home and gymnasium use. 436,776, Feb. 17. Class 39.

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic compound. 436,772, Feb. 17. Class 12.

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic compounds. 436,773, Feb. 17. Class 12.

Ultra Chemical Works, Incorporated, Paterson, N. J. Surface active agents useful as wetting agents, foaming agents, etc. 436,736, Feb. 17; Serial No. 521,839, published Nov. 25, 1947. Class 6.

Union Hardware Company, Torrington, Conn. Tapered and tempered steel tubing for golf-club shafts, and named hardware, etc. 234,437, renewed Oct. 25, 1947. O. G. Feb. 17. Class 13.

United States Envelope Company, Springfield, Mass. Envelopes equipped with metal fasteners. 436,748, Feb. 17; Serial No. 522,974, published Nov. 11, 1947. Class 37.

United States Gypsum Company, Chicago, Ill. Casting plaster composition. 436,608, Feb. 17; Serial No. 488,939, published Nov. 25, 1947. Class 12.

United States News Publishing Corporation, Washington, D. C. Periodical publication. 436,696, Feb. 17; Serial No. 517,756, published Nov. 25, 1947. Class 38.

United States Rubber Company: See—
Eureka Fire Hose Co.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Cleansing compounds. 222,022, Dec. 21, 1926. Republished Feb. 17. Class 4.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Insecticides. 241,928, May 8, 1928. Republished Feb. 17. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 436,656, Feb. 17; Serial No. 511,773, published Aug. 19, 1947. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 436,701, Feb. 17; Serial No. 518,330, published Sept. 2, 1947. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 436,760, Feb. 17; Serial No. 525,160, published Nov. 18, 1947. Class 6.

Valldeljul, Manuel S., doing business as The Picot Company, Buffalo, N. Y., by Picot Laboratories, Inc., Mount Vernon, N. Y. Preparations for the treatment of indigestion. 226,737, Apr. 19, 1927. Republished Feb. 17. Class 6.

Vogue Rubber Company: See—
Hower, Harry C.

W. B. Foundations, Incorporated: See—
Weingarten Bros.

Walker Properties Association, to Walker's Austex Chili Company, Austin, Tex. Canned beans with chile gravy. 239,005-6, renewed Feb. 21, 1948. O. G. Feb. 17. Class 46.

Walker's Austex Chili Company: See—
Walker Properties Association.

Washington Manufacturing Co.: See—
Allen Shirt Co.

Wayne Pump Company, The: See—
Air-Scale Company, The.

Webster Industries, Inc., Webster, N. Y. Photographic cameras. 436,743, Feb. 17; Serial No. 522,509, published Oct. 21, 1947. Class 26.

Weingarten Bros., New York, N. Y., by W. B. Foundations, Incorporated, Newark, N. J. Brassières, girdles, corsets, etc. 200,390, June 30, 1925. Republished Feb. 17. Class 39.

White, H. N., Company, The, Cleveland, Ohio. Band instruments. 217,580, Sept. 7, 1926. Republished Feb. 17. Class 36.

White-Haines Optical Company, The, Columbus, Ohio. Spectacles, spectacle frames and ophthalmic lenses. 210,410-12, Mar. 16, 1926. Republished Feb. 17. Class 26.

White Laboratories, Inc.: See—
Dillard-Nalle Company.

Whitman Company, The, Los Angeles, Calif. Self-vitrifying basic refractory coating. 436,657, Feb. 17; Serial No. 511,849, published Nov. 25, 1947. Class 12.

Williams, Arthur A., doing business as Goodwill Shoe Company, by Goodwill Shoe Company, Holliston, Mass. Shoes and boots. 221,007, Nov. 23, 1926. Republished Feb. 17. Class 39.

Willmann, Blanche D.: See—
Ferrero, Veuve F.

Wilson Jones Company, Chicago, Ill. Loose-leaf binders, loose-leaf sheets therefor. 237,469-70, renewed Jan. 10, 1948. O. G. Feb. 17. Class 37.

Winthrop Chemical Company, Inc.: See—
Farbenfabriken of Elberfeld Co.

Wisconsin Electric Company, by The Dumore Company, Racine, Wis. Electric polishers and buffers, portable electric grinders, and portable electric drills. 119,596, Nov. 27, 1917. Republished Feb. 17. Class 21.

Woertz, Henry, to Glen Rock Bottling Works, Waukegan, Ill. Ginger ale and nonalcoholic maltless beverages. 229,935, renewed July 12, 1947. O. G. Feb. 17. Class 45.

Woodley Soap Manufacturing Company, Roxbury, Mass., by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 210,439, Mar. 16, 1926. Republished Feb. 17. Class 4.

World Radio Laboratories, Inc., Council Bluffs, Iowa. Radio receivers, transmitters, detectors, etc. 436,636, Feb. 17; Serial No. 506,214, published Nov. 18, 1947. Class 21.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 116,264, Apr. 17, 1917. Republished Feb. 17. Class 22.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 117,625, July 17, 1917. Republished Feb. 17. Class 22.

Write Right Manufacturing Company, Atlanta, Ga. Loose-leaf filler paper, envelopes, paper stationery, etc. 436,611, Feb. 17; Serial No. 493,707, published Nov. 11, 1947. Class 37.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Salts of cellulose glycolic acid. 436,751, Feb. 17; Serial No. 523,123, published Nov. 18, 1947. Class 6.

Wyatt-Ragsdale Corporation, Hazel Park, Mich. Electric frankfurter cooker. 436,631, Feb. 17; Serial No. 503,409, published Jan. 21, 1947. Class 21.

Zenith Radio Corporation, Chicago, Ill. Radio receiving apparatus, electrical talking machines, etc. 436,724, Feb. 17; Serial No. 520,491, published Nov. 18, 1947. Class 21.

Zippo Manufacturing Company, Bradford, Pa. Fluid for pyrophoric lighters. 436,615, Feb. 17; Serial No. 497,056, published Mar. 18, 1947. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. General Coal Company. 233,775, renewed Oct. 11, 1947. O. G. Feb. 17.

Coal. General Coal Company. 236,726, renewed Dec. 20, 1947. O. G. Feb. 17.

Coal, carbonized fuel, and coke. J. P. Burton Coal Company. 212,097, Apr. 27, 1926. Republished Feb. 17.

Hops. E. Clemens Horst Co. 206,305, Nov. 24, 1925. Republished Feb. 17.

Hops. E. Clemens Horst Co. 216,592, Aug. 17, 1926. Republished Feb. 17.

Hops. E. Clemens Horst Co. 217,023, Aug. 24, 1926. Republished Feb. 17.

Leather. Eagle-Ottawa Leather Company. 436,788, Feb. 17.

Leathers. Ohio Leather Company. 238,662, renewed Feb. 14, 1948. O. G. Feb. 17.

Paper filler, gritless short-fiber. W. H. Loomis Talc Corporation. 232,295, renewed Sept. 6, 1947. O. G. Feb. 17.

Skins and leathers of all kinds and qualities. Société Anonyme Des Anciens Etablissements A. Combe & Fils & Cie. 199,675, renewed June 16, 1945. O. G. Feb. 17.

CLASS 2

Bags, Paper. Bemis Bro. Bag Company. 219,995, Oct. 26, 1926. Republished Feb. 17.

Bags, Paper. Crown-Columbia Pulp and Paper Company. 63,228, Aug. 29, 1911. Republished Feb. 17.

Bags, Paper. Crown-Columbia Pulp and Paper Company. 84,602, Dec. 26, 1911. Republished Feb. 17.

Bags, Paper. Crown-Willamette Paper Company. 212,521, May 4, 1926. Republished Feb. 17.

Boxes. Mason Box Company. 218,470, Sept. 28, 1926. Republished Feb. 17.

Cabinets, Paper, wooden, or metal dispensing. National Paper Products Company. 153,264, Mar. 14, 1922. Republished Feb. 17.

CLASS 4

Cleanser for dentures. Nyko Laboratories. 226,288, renewed Apr. 5, 1947. O. G. Feb. 17.

Cleansing compounds. U. S. Sanitary Specialties Corporation. 222,022, Dec. 21, 1926. Republished Feb. 17.

Detergents, Dry-cleaning. American Disinfecting Company. 210,592, Mar. 16, 1926. Republished Feb. 17.

Polish for cleaning silverware. F. Madsen. 238,122, renewed Jan. 24, 1948. O. G. Feb. 17.

Soap. James S. Kirk & Company. 210,436, Mar. 16, 1926. Republished Feb. 17.

Soap. E. S. Lefter. 240,404, renewed Mar. 27, 1948. O. G. Feb. 17.

Soap. Perkins Soap Company. 239,440, renewed Mar. 6, 1948. O. G. Feb. 17.

Soap. Procter & Gamble Company. 214,115, June 15, 1926. Republished Feb. 17.

Soap. Robinson Bros. & Company Incorporated. 65,760, re-renewed Oct. 22, 1947. O. G. Feb. 17.

Soap. Woodley Soap Manufacturing Company. 210,439, Mar. 16, 1926. Republished Feb. 17.

Soap chips. James S. Kirk Company. 207,545, Jan. 5, 1926. Republished Feb. 17.

Soap, Collar and cuff. Davies-Young Soap Company. 217,508, Aug. 31, 1926. Republished Feb. 17.

Soap powder. James S. Kirk & Company. 206,188, Nov. 24, 1925. Republished Feb. 17.

Soap, Toilet and bath. Procter & Gamble Company. 222,564, Jan. 4, 1927. Republished Feb. 17.

Soap, Toilet and bath. Procter & Gamble Company. 240,433, Mar. 27, 1928. Republished Feb. 17.

Washing powder. Rub-No-More Company. 215,151, July 18, 1926. Republished Feb. 17.

CLASS 6

Agents useful as wetting agents, foaming agents, etc. Surface active. Ultra Chemical Works, Incorporated. 436,736, Feb. 17; Serial No. 521,839, published Nov. 25, 1947.

Antifreeze mixture. Procter & Gamble Company. 209,789, Mar. 2, 1926. Republished Feb. 17.

B-complex vitamin tablets. Lanteen Medical Laboratories, Inc. 436,653, Feb. 17; Serial No. 511,479, published Nov. 18, 1947.

Bluing. Luther Ford & Company. 206,610-11, Dec. 8, 1925. Republished Feb. 17.

Chemical adapted for tippy dyeing. Geigy Company, Inc. 436,713, Feb. 17; Serial No. 519,439, published Nov. 25, 1947.

Chemical ingredient, Active. Hercules Powder Company. 436,667, Feb. 17; Serial No. 514,036, published Nov. 25, 1947.

Chewing gum containing aspirin. Dillard-Nalle Company. 240,417, renewed Mar. 27, 1948. O. G. Feb. 17.

Composition for use in neutralizing chemical burns. Industrial Safety Pharmaceuticals, Inc. 436,664, Feb. 17; Serial No. 518,056, published Nov. 18, 1947.

Compounds, Phenolic condensation. Colt's Patent Fire Arms Manufacturing Co. 233,643, renewed Oct. 4, 1947. O. G. Feb. 17.

Cosmetic face creams. E. L. Gove. 436,714, Feb. 17; Serial No. 519,521, published Nov. 25, 1947.

Cosmetic lip coating. F. R. Heyman. 436,682, Feb. 17; Serial No. 515,426, published Nov. 25, 1947.

Cosmetics. Cosmetique Laboratories of America. 238,396, renewed Jan. 31, 1948. O. G. Feb. 17.

Cream, Beauty. Roger Thirion & Cie. 436,712, Feb. 17; Serial No. 519,096, published Nov. 18, 1947.

Cream, emulsified cleansing cream, hand lotion, etc., Night skin. Koler Laboratories, Inc. 436,661, Feb. 17; Serial No. 512,265, published Nov. 18, 1947.

Deodorant, Liquid air-freshening. J. M. Bash. 436,689, Feb. 17; Serial No. 516,596, published Nov. 25, 1947.

Disinfectant, Pine oil. Huntington Laboratories, Inc. 436,726, Feb. 17; Serial No. 520,708, published Nov. 18, 1947.

Disinfectants and germicides. American Disinfecting Company. 226,045, Mar. 29, 1927. Republished Feb. 17.

Disinfectants and germicides. American Disinfecting Company. 226,048, Mar. 29, 1927. Republished Feb. 17.

Fluid for pyrophoric lighters. Zippo Manufacturing Company. 436,615, Feb. 17; Serial No. 497,056, published Mar. 18, 1947.

Gas to be used in making whipped cream. Breakstone & Co., Inc. 436,733, Feb. 17; Serial No. 521,430, published Nov. 18, 1947.

Germicide, Brewer & Company, Inc. 239,448, renewed Mar. 6, 1948. O. G. Feb. 17.

Hair dressing, after-shave lotion, cologne, etc. Linnea Perfumes, Inc. 436,703, Feb. 17; Serial No. 518,538, published Nov. 18, 1947.

Hair oil and pomades. A. Cordero. 436,722, Feb. 17; Serial No. 520,381, published Nov. 18, 1947.

Hair tonic. C. Goltra. 436,737, Feb. 17; Serial No. 522,034, published Nov. 18, 1947.

Insecticides. American Disinfecting Company. 226,042, Mar. 29, 1927. Republished Feb. 17.

Insecticides. American Disinfecting Company. 226,047, Mar. 29, 1927. Republished Feb. 17.

Insecticides. Monsanto Chemical Works. 220,902, Nov. 18, 1926. Republished Feb. 17.

Insecticides. U. S. Sanitary Specialties Corporation. 241,928, May 8, 1928. Republished Feb. 17.

Insecticides and disinfectants. American Disinfecting Company. 226,043, Mar. 29, 1927. Republished Feb. 17.

Laxative, Colloid. William H. Rorer, Inc. 436,647, Feb. 17; Serial No. 510,113, published Nov. 25, 1947.

Lethal fly and moth lures. Essex Paper Mills, Inc. 436,678, Feb. 17; Serial No. 515,092, published Nov. 18, 1947.

Liniment. A. Dalton. 436,746-7, Feb. 17; Serial Nos. 522,911-12, published Nov. 18, 1947.

Liniment. Dr. Peter Fahrney & Sons Co. 211,486-7, Apr. 13, 1926. Republished Feb. 17.

Liniment. Dr. Peter Fahrney & Sons Co. 211,497, Apr. 13, 1926. Republished Feb. 17.

Liniment. Dr. Peter Fahrney & Sons Co. 211,527, Apr. 13, 1926. Republished Feb. 17.

Liniment. Dr. Peter Fahrney & Sons Co. 211,552-3, Apr. 13, 1926. Republished Feb. 17.

Liniment. Dr. Peter Fahrney & Sons Co. 211,563, Apr. 13, 1926. Republished Feb. 17.
 Lipstick, rouge, and nail polish. Avon Products, Inc. 436,613, Feb. 17; Serial No. 494,775, published Nov. 26, 1946.
 Medicinal preparation. H. A. Bode. 240,346, renewed Mar. 27, 1948. O. G. Feb. 17.
 Medicinal preparation. Upjohn Company. 436,656, Feb. 17; Serial No. 511,773, published Aug. 19, 1947.
 Medicinal preparation. Upjohn Company. 436,701, Feb. 17; Serial No. 518,330, published Sept. 2, 1947.
 Medicinal preparation. Upjohn Company. 436,760, Feb. 17; Serial No. 525,160, published Nov. 18, 1947.
 Medicinal preparations. E. Deschlena. 229,922, renewed July 12, 1947. O. G. Feb. 17.
 Medicine, Liquid. N. P. Peter. 436,721, Feb. 17; Serial No. 520,297, published Nov. 25, 1947.
 Medicines, Epilepsy, dyspepsia, and laxative. C. E. Fort. 236,354, renewed Dec. 13, 1947. O. G. Feb. 17.
 Mouth wash, catarrhal cream, healing liquid, etc. F. Garfunkel. 232,740, renewed Sept. 13, 1947. O. G. Feb. 17.
 Ointment. Medicinal. Pyro-Therapeutic Corporation. 436,738, Feb. 17; Serial No. 522,091, published Nov. 18, 1947.
 Perfume. Caron Corporation. 218,293, Sept. 21, 1926. Republished Feb. 17.
 Perfume, toilet water, shampoo, etc. Enterprise Chemical Co. 231,650, renewed Aug. 23, 1947. O. G. Feb. 17.
 Perfumes. D. R. Collins Limited. 436,717, Feb. 17; Serial No. 519,733, published Nov. 18, 1947.
 Petroleum fibre lubricant. Socony-Vacuum Oil Company, Incorporated. 436,690, Feb. 17; Serial No. 516,643, published Nov. 18, 1947.
 Pigment coloring material. Excelso Products Company. 225,941, Mar. 29, 1927. Republished Feb. 17.
 Pills. M. Leprince. 65,301, re-renewed Sept. 17, 1947. O. G. Feb. 17.
 Preparation for destroying insects and vermin, bronchial troches, etc. Owl Drug Company. 232,712, renewed Sept. 13, 1947. O. G. Feb. 17.
 Preparation taken internally. Beeman's Laboratory, Inc. 436,637, Feb. 17; Serial No. 506,497, published Nov. 25, 1947.
 Preparations for the treatment of indigestion. M. S. Valdejuell. 226,737, Apr. 19, 1927. Republished Feb. 17.
 Repellent, insect. Chemola Manufacturing Company. 436,761, Feb. 17; Serial No. 525,192, published Nov. 25, 1947.
 Salt, Pickling. H. Lavin. 232,287-8, renewed Sept. 6, 1947. O. G. Feb. 17.
 Salts of cellulose glycolic acid. Wyandotte Chemicals Corporation. 436,751, Feb. 17; Serial No. 523,123, published Nov. 18, 1947.
 Sedative and analgesic preparation. Abbott Laboratories. 436,707, Feb. 17; Serial No. 518,995, published Sept. 16, 1947.
 Shampoo. Kay Daumit, Inc. 436,691, Feb. 17; Serial No. 516,699, published Nov. 25, 1947.
 Suppositories, Rectal. Cyrus Cooper, Inc. 436,677, Feb. 17; Serial No. 515,083, published Nov. 18, 1947.
 Tetrabromphenolphthalein sodium salt. Mallinckrodt Chemical Works. 213,728, June 1, 1926. Republished Feb. 17.
 Tetraiodphenolphthalein sodium salt. Mallinckrodt Chemical Works. 213,690, June 1, 1926. Republished Feb. 17.
 Therapeutic preparation. G. D. Searle & Co. 436,763, Feb. 17; Serial No. 525,411, published Nov. 18, 1947.
 Toilet requisites. Odell Company, Inc. 240,361, renewed Mar. 27, 1948. O. G. Feb. 17.
 Toilet water. G. Gordon. 436,622, Feb. 17; Serial No. 499,780, published Feb. 11, 1947.

CLASS 7

Rope, cable, tarred lath and fodder yarns, etc. Columbian Rope Company. 65,092, re-renewed Sept. 10, 1947. O. G. Feb. 17.

CLASS 9

Fuse, Detonating. Ensign-Bickford Company. 183,893-4, renewed Jan. 5, 1948. O. G. Feb. 17.
 Shotguns. Norvell Shapleigh Hardware Company. 68,123, re-renewed Mar. 10, 1948. O. G. Feb. 17.

CLASS 10

Fertilizers, and particularly fertilizers composed of animal matter. Darling & Company. 117,838, Aug. 7, 1917. Republished Feb. 17.

CLASS 12

Asphalt. Standard Oil Company. 436,759, Feb. 17; Serial No. 525,124, published Nov. 11, 1947.
 Building material, Cementitious. H. R. Ketell. 436,695, Feb. 17; Serial No. 517,729, published Nov. 25, 1947.
 Cement and sand mixtures, Ready-mixed. W. H. Schumacher. 436,614, Feb. 17; Serial No. 496,292, published Nov. 25, 1947.
 Cement, Portland. Associated Portland Cement Manufacturers, Limited. 234,282, renewed Oct. 18, 1947. O. G. Feb. 17.
 Cement, Portland. International Cement Corporation. 238,620, renewed Feb. 14, 1948. O. G. Feb. 17.

Concrete admixture. W. E. Dunn Mfg. Co. 436,674, Feb. 17; Serial No. 514,946, published Nov. 25, 1947.
 Hangers, wall hangers, post caps and bases, Joist. Consolidated Iron-Steel Manufacturing Company. 233,726, renewed Oct. 11, 1947. O. G. Feb. 17.
 Mastic compound. Tremco Manufacturing Company. 436,772, Feb. 17.
 Mastic compounds. Tremco Manufacturing Company. 436,773, Feb. 17.
 Mastic finish for heat-insulating material. Armstrong Cork & Insulation Company. 216,512, Aug. 10, 1926. Republished Feb. 17.
 Material for construction. Ernesto y Manuel Gandulfo. 436,684, Feb. 17; Serial No. 515,755, published Nov. 25, 1947.
 Metal products. Empire Metal Products Co. 436,686, Feb. 17; Serial No. 515,830, published Nov. 25, 1947.
 Pipe covering. Keasbey & Mattison Company. 199,962, June 23, 1925. Republished Feb. 17.
 Plaster composition, Casting. United States Gypsum Company. 436,608, Feb. 17; Serial No. 488,939, published Nov. 25, 1947.
 Plates, nuts, panels and auxiliary pieces, etc., Fastener. Housing Research Corporation. 436,663, Feb. 17; Serial No. 512,590, published Nov. 25, 1947.
 Refractory coating, Self-vitrifying basic. Whitman Company. 436,657, Feb. 17; Serial No. 511,849, published Nov. 25, 1947.
 Shingles and siding, Asbestos. American Asbestos Industries, Inc. 436,670, Feb. 17; Serial No. 514,458, published Nov. 25, 1947.
 Slag and building units, Granulated. A. Fabbro. 436,662, Feb. 17; Serial No. 512,481, published Nov. 25, 1947.
 Stalls, partitions, cattle pen panels, etc., Animal. H. D. Hudson Manufacturing Company. 436,784, Feb. 17.
 Windows, Combination storm and screen. Aluminum Building Products Co. 436,651, Feb. 17; Serial No. 510,924, published Nov. 25, 1947.

CLASS 13

Hinges. Chicago Spring Hinge Company. 246,368, Sept. 4, 1928. Republished Feb. 17.
 Steelware, Enamelled. Columbian Enameling & Stamping Company. 118,751, Oct. 2, 1917. Republished Feb. 17.
 Tubing for golf-club shafts, and named hardware, etc., Tapered and tempered steel. Union Hardware Company. 234,437, renewed Oct. 25, 1947. O. G. Feb. 17.
 Valves together with fittings and connections therefor, Metallic. Air-Scale Company. 234,393, renewed Oct. 25, 1947. O. G. Feb. 17.
 Valves, Water, steam, and gas. Spencer Thermostat Company. 204,291, Oct. 13, 1925. Republished Feb. 17.

CLASS 14

Iron. Kloster Steel Corporation. 212,096, Apr. 27, 1926. Republished Feb. 17.

CLASS 15

Oil, Lubricating. Star Oil Company. 220,525, Nov. 9, 1926. Republished Feb. 17.

CLASS 16

Carbon-black, lampblack, and gas-black. G. L. Cabot. 67,327, re-renewed Jan. 28, 1948. O. G. Feb. 17.
 Paint and paint compounds. Paraffine Paint Co. 65,279, re-renewed Sept. 17, 1947. O. G. Feb. 17.
 Paint, White enamel. Ohio Varnish Company. 221,238, Nov. 23, 1926. Republished Feb. 17.
 Paints, Preservative. Clifford L. Miller & Co. 66,560, re-renewed Dec. 10, 1947. O. G. Feb. 17.
 Preparations for polishing wood floors, linoleums, oil-cloths, etc. American Disinfecting Company. 226,044, Mar. 29, 1927. Republished Feb. 17.

CLASS 17

Cigars. J. Di Santo. 239,506, renewed Mar. 6, 1948. O. G. Feb. 17.

CLASS 19

Wagons and parts thereof. International Harvester Company. 217,030, Aug. 24, 1926. Republished Feb. 17.

CLASS 20

Composition of oxidized linseed oil on an asphaltum impregnated felt base. Armstrong Cork Company. 223,736, Feb. 8, 1927. Republished Feb. 17.

CLASS 21

Apparatus and equipment for use in paging service. Autocall Company, The. 218,967, Oct. 5, 1926. Republished Feb. 17.
 Battery eliminators and electrical transformers. General Transformer Corporation. 436,620, Feb. 17; Serial No. 498,761, published Nov. 18, 1947.
 Cooker, Electric frankfurter. Wyatt-Ragsdale Corporation. 436,631, Feb. 17; Serial No. 503,409, published Jan. 21, 1947.
 Electric lamp holders. General Electric Company. 436,652, Feb. 17; Serial No. 511,463, published Nov. 18, 1947.

Fixtures containing ultra-violet light sources. Sperti, Inc. 436,625, Feb. 17; Serial No. 501,021, published Nov. 18, 1947.
 Heater-fan combination, Portable electric. G-M Laboratories, Inc. 436,627, Feb. 17; Serial No. 501,381, published Apr. 1, 1947.
 Lamps and component parts thereof, Electric table. Minton Limited. 436,671, Feb. 17; Serial No. 514,552, published Nov. 18, 1947.
 Lamps, Electric desk and office. Standard Business Machines Co. 436,716, Feb. 17; Serial No. 519,700, published Nov. 11, 1947.
 Motors, Electric. Electro-Dynamic Company. 237,390, renewed Jan. 10, 1948. O. G. Feb. 17.
 Motors, electric generators, and electrically actuated reduction gear boxes, Electric. R. G. Le Tourneau, Inc. 436,718, Feb. 17; Serial No. 519,765, published Nov. 18, 1947.
 Piezoelectric elements and holders therefor, and electrical impedances and holders therefor. Polytech Devices, Inc. 436,680, Feb. 17; Serial No. 515,234, published Nov. 11, 1947.
 Polishers and buffers, portable electric grinders, and portable electric drills, Electric. Wisconsin Electric Company. 119,596, Nov. 27, 1917. Republished Feb. 17.
 Radio receivers, transmitters, detectors, etc. World Radio Laboratories, Inc. 436,636, Feb. 17; Serial No. 506,214, published Nov. 18, 1947.
 Radio receiving apparatus, electrical talking machines, etc. Zenith Radio Corporation. 436,724, Feb. 17; Serial No. 520,491, published Nov. 18, 1947.
 Radio receiving sets and parts thereof. Florence Distributing Co. 436,624, Feb. 17; Serial No. 500,979, published Nov. 18, 1947.
 Stands for spot lights, flood lights, boom lights, etc., Support. Display Lightings, Incorporated. 436,672, Feb. 17; Serial No. 514,593, published Nov. 18, 1947.
 Sterilizers, electric formula and sterilizer outfits, Electric, etc. Sanit-All Products Corporation. 436,699, Feb. 17; Serial No. 518,049, published Nov. 18, 1947.
 Storage battery terminal protector. Battery Supply Co., Inc. 436,638, Feb. 17; Serial No. 506,795, published Nov. 18, 1947.
 Switches, Electrical. N. B. Birge. 436,635, Feb. 17; Serial No. 505,179, published Nov. 18, 1947.
 Switches, Snap. E. N. McDonnell. 436,600, Feb. 17; Serial No. 452,310, published Mar. 16, 1943.
 Switches, Solenoid actuated. H. G. Sells. 436,612, Feb. 17; Serial No. 494,132, published Nov. 18, 1947.
 Telegraphic apparatus and electric batteries. J. H. Bunnell & Co. 66,927, re-renewed Jan. 7, 1948. O. G. Feb. 17.

CLASS 22

Golf balls. Worthington Ball Company. 116,264, Apr. 17, 1917. Republished Feb. 17.
 Golf balls. Worthington Ball Company. 117,625, July 17, 1917. Republished Feb. 17.
 Ice-skates. Norvell Shapleigh Hardware Company. 68,052, re-renewed Mar. 3, 1948. O. G. Feb. 17.
 Skates, Roller. Kohler Die & Specialty Company. 233,736, renewed Oct. 11, 1947. O. G. Feb. 17.

CLASS 23

Adzes, cutting tools of awl and tool sets, etc. Simmons Hardware Company. 67,798, re-renewed Feb. 18, 1948. O. G. Feb. 17.
 Axes and hatchets. Kelly Axe and Tool Company. 210,847, Mar. 23, 1926. Republished Feb. 17.
 Axes, hatchets, cold-chisels, etc. Norvell-Shapleigh Hardware Company. 67,796, re-renewed Feb. 18, 1948. O. G. Feb. 17.
 Axes, hatchets, scythes, etc. Kelly Axe Manufacturing Company. 119,899, Dec. 18, 1917. Republished Feb. 17.
 Bearing bushings and sleeves. Nylon Bearings, Incorporated. 436,646, Feb. 17; Serial No. 509,947, published Nov. 18, 1947.
 Cutlery and carving sets. Spaulding & Company. 436,623, Feb. 17; Serial No. 500,838, published Nov. 18, 1947.
 Cutters and paper cutting machines and parts thereof, Paper. Chandler & Price Company. 227,421, May 3, 1927. Republished Feb. 17.
 Gears. Automotive Gear Works, Inc. 217,227, Aug. 31, 1926. Republished Feb. 17.
 Grinding machines, Precision. Heald Machine Company. 221,128, Nov. 23, 1926. Republished Feb. 17.
 Hammers. Norvell Shapleigh Hardware Company. 68,011, re-renewed Mar. 3, 1948. O. G. Feb. 17.
 Hammers, screw driver bits, bit braces, etc. Simmons Hardware Company. 67,856, re-renewed Feb. 25, 1948. O. G. Feb. 17.
 Handsaws. E. C. Atkins & Company. 210,536, Mar. 16, 1926. Republished Feb. 17.
 Lawn-mowers. Norvell Shapleigh Hardware Company. 68,001, re-renewed Mar. 3, 1948. O. G. Feb. 17.
 Loom supplies. E. H. Jacobs Manufacturing Co. Inc. 436,683, Feb. 17; Serial No. 515,621, published Nov. 18, 1947.
 Lubricating apparatus. Lincoln Steel & Forge Company. 215,210, July 13, 1926. Republished Feb. 17.

Nozzles, pumps, turbo-gas engines, etc., Fuel injection. J. W. Hudson. 436,616, Feb. 17; Serial No. 497,179, published Nov. 18, 1947.
 Picks, grub-hoes, trowels, etc. Norvell Shapleigh Hardware Company. 68,013, re-renewed Mar. 3, 1948. O. G. Feb. 17.
 Razor blades. J. A. P. Bravo. 436,742, Feb. 17; Serial No. 522,468, published Nov. 18, 1947.
 Razors and safety razor blades, Safety. Gillette Safety Razor Company. 436,777, Feb. 17.
 Saws, Crosscut. E. C. Atkins and Company. 220,847, Nov. 16, 1926. Republished Feb. 17.
 Scoops. Norvell-Shapleigh Hardware Company. 67,797, re-renewed Feb. 18, 1948. O. G. Feb. 17.
 Sewing-machines and attachments. New Home Sewing Machine Company. 59,942-3, re-renewed Jan. 22, 1947. O. G. Feb. 17.
 Sewing-machines and attachments. New Home Sewing Machine Company. 59,950, re-renewed Jan. 29, 1947. O. G. Feb. 17.
 Sewing-machines and attachments. New Home Sewing Machine Company. 59,952-3, re-renewed Jan. 22, 1947. O. G. Feb. 17.
 Sewing-machines and attachments. New Home Sewing Machine Company. 60,079-80, re-renewed Jan. 29, 1947. O. G. Feb. 17.
 Spray guns, Metal. Metallizing Engineering Co. Inc. 436,641, Feb. 17; Serial No. 508,385, published Nov. 18, 1947.
 Tools and electrical pole-line construction tools, Logging. Leach Company. 214,035, June 8, 1926. Republished Feb. 17.
 Tools and equipment, Servicing and maintenance. Airplane Manufacturing & Supply Corporation. 436,601-2, Feb. 17; Serial Nos. 468,218-19, published Nov. 11, 1947.
 Tool and equipment, Servicing and maintenance. Airplane Manufacturing & Supply Corporation. 436,606, Feb. 17; Serial No. 476,318, published Nov. 11, 1947.

CLASS 26

Adding machines, Vest-pocket. J. A. Lyons. 222,091, Dec. 21, 1926. Republished Feb. 17.
 Bearing members for watt-hour meters. Duncan Electric Manufacturing Company. 361,602, Oct. 25, 1938. Republished Feb. 17.
 Cameras and parts therefor. Actien-Gesellschaft fur Anilin-Fabrikation. 215,536, July 20, 1926. Republished Feb. 17.
 Cameras, Photographic. Webster Industries, Inc. 436,743, Feb. 17; Serial No. 522,509, published Oct. 2, 1947.
 Glass cutters' and glaziers' rules and glass thickness gauges. Glaziers' Tool Mfg. Corp. 436,765, Feb. 17; Serial No. 524,128, published Oct. 28, 1947.
 Lenses and objective lenses, Spectacle. Bausch & Lomb Company. 436,741, Feb. 17; Serial No. 522,416, published Oct. 21, 1947.
 Measuring instruments, Electrical. Associated Research Incorporated. 401,603-5, May 25, 1943. Republished Feb. 17.
 Meters, Coin. Telecoin Corporation. 436,642, Feb. 17; Serial No. 508,393, published Nov. 18, 1947.
 Motion pictures. Fox-Case Corporation. 239,013, renewed Feb. 21, 1948. O. G. Feb. 17.
 Ophthalmic frames. Bay State Optical Company. 436,744, Feb. 17; Serial No. 522,527, published Oct. 21, 1947.
 Photographic enlargers. Simmon Brothers, Inc. 436,745, Feb. 17; Serial No. 522,561, published Oct. 21, 1947.
 Photographic equipment. Mac Photo Company. 436,768, Feb. 17; Serial No. 526,264, published Nov. 4, 1947.
 Photographic paper, Sensitized. Grant Photo Products, Inc. 436,765, Feb. 17; Serial No. 525,589, published Oct. 28, 1947.
 Safety instruments. Minneapolis-Honeywell Regulator Company. 385,548, Mar. 11, 1941. Republished Feb. 17.
 Spectacles, spectacle frames, and ophthalmic lenses. White-Haines Optical Company. 210,410-12, Mar. 16, 1926. Republished Feb. 17.
 Testing machines for the determination of adhesion and hardness of paint films. Arco Company. 436,752, Feb. 17; Serial No. 523,221, published Oct. 21, 1947.
 Thermostatic controls. Spencer Thermostat Company. 208,219, Jan. 19, 1926. Republished Feb. 17.
 Time controlled instruments. Lux Clock Manufacturing Company, Inc. 436,634, Feb. 17; Serial No. 505,160, published Oct. 28, 1947.
 Timing mechanisms. Teleoptic Company. 436,610, Feb. 17; Serial No. 492,112, published Nov. 18, 1947.

CLASS 27

Clocks, Employees' and watchmen's time. Simplex Time Recorder Co. 436,764, Feb. 17; Serial No. 525,507, published Nov. 18, 1947.
 Watches. Belmont Watch Company. 436,789, Feb. 17.
 Watches and clocks. De Frece Watch Co., Inc. 436,769, Feb. 17.

Watches, watch movements, and parts thereof. Hamilton Watch Company. 436,762, Feb. 17; Serial No. 525,317, published Nov. 18, 1947.

CLASS 28

Bracelets. D. Orstein & Sons Corp. 436,723, Feb. 17; Serial No. 520,465, published Nov. 11, 1947.
Bracelets, lorgnette chains, finger rings, etc. Watch Taylor & Co., Inc. 231,686, renewed Aug. 23, 1947. O. G. Feb. 17.
Chains. D. F. Briggs Co. 68,029, re-renewed Mar. 3, 1948. O. G. Feb. 17.
Finger-rings, fobs, seals, charms; etc. Geo. O. Street & Sons. 64,447, re-renewed Aug. 6, 1947. O. G. Feb. 17.
Rings, Diamond. Royal Diamond & Watch Co., Inc. 436,757, Feb. 17; Serial No. 524,212, published Nov. 18, 1947.

CLASS 30

China and earthenware. W. T. Copeland & Sons. 214,849, July 6, 1926. Republished Feb. 17.

CLASS 33

Beakers, flasks, and other glass containers. Kimble Glass Co. 117,764, July 31, 1917. Republished Feb. 17.

CLASS 34

Ovens, Portable. Jacks-Evans Manufacturing Company. 206,302, Nov. 24, 1925. Republished Feb. 17.
Tubing, Canvas. Bemis Bro. Bag Company. 212,538, May 4, 1926. Republished Feb. 17.

CLASS 35

Belting, Leather. Chicago Belting Company. 67,825, re-renewed Feb. 18, 1948. O. G. Feb. 17.
Belts for paper making machinery, Felt. Orr Felt & Blanket Company. 436,705, Feb. 17; Serial No. 518,736, published Nov. 18, 1947.
Hose, Hydraulic. Eureka Fire Hose Co. 30,606, re-renewed Oct. 5, 1947. O. G. Feb. 17.
Packing, Machinery. Badger Worsted Mills. 436,758, Feb. 17; Serial No. 524,287, published Nov. 18, 1947.
Tires, Airplane. Atlas Supply Company. 436,694, Feb. 17; Serial No. 517,604, published Nov. 18, 1947.
Tires and tubes, Automobile. Harry C. Hower. 212,547, May 4, 1926. Republished Feb. 17.
Tires, motor cars, and other vehicles. Hungarian Rubber Goods Factory Limited. 436,715, Feb. 17; Serial No. 519,580, published Nov. 18, 1947.
Tires, Vehicle. Arnold, Schwinn & Co. 436,727-8, Feb. 17; Serial Nos. 521,170-1, published Nov. 18, 1947.
Tires, Vehicle. Arnold, Schwinn & Co. 436,729, Feb. 17; Serial No. 521,173, published Nov. 18, 1947.
Tires, Vehicle. Arnold, Schwinn & Co. 436,735, Feb. 17; Serial No. 521,782, published Nov. 18, 1947.

CLASS 36

Band instruments. H. N. White Company. 217,580, Sept. 7, 1926. Republished Feb. 17.
Jewelry. Fred. Gretsch Manufacturing Co. 436,669, Feb. 17; Serial No. 514,412, published Nov. 11, 1947.
Phonograph records, Disc type mechanically grooved. C. M. Mulken. 436,681, Feb. 17; Serial No. 515,325, published Nov. 4, 1947.
Records, Mechanically grooved phonograph. Imperial Record Co. 436,710, Feb. 17; Serial No. 519,070, published Nov. 11, 1947.

CLASS 37

Blank books of all types, pads and tablets, etc. Boorum & Pease Company. 436,730, Feb. 17; Serial No. 521,317, published Nov. 4, 1947.
Blotter holders. R. R. Conell. 436,749, Feb. 17; Serial No. 523,001, published Nov. 11, 1947.
Calendars with memoranda paper supply, etc. Desk. J. B. Brady, Jr. 436,708, Feb. 17; Serial No. 519,053, published Nov. 11, 1947.
Cardboard tags. Kono Manufacturing Company. 436,619, Feb. 17; Serial No. 498,640, published Nov. 11, 1947.
Cellophane wrap. Shaw-Randall Company. 436,655, Feb. 17; Serial No. 511,765, published Nov. 11, 1947.
Crayons, wood encased pencils, scrap books, etc. Creato Products Company. 436,617, Feb. 17; Serial No. 497,375, published Nov. 11, 1947.
Envelopes equipped with metal fasteners. United States Envelope Company. 436,748, Feb. 17; Serial No. 522,974, published Nov. 11, 1947.
Loose-leaf binders, loose-leaf sheets therefor. Willson Jones Company. 237,469-70, renewed Jan. 10, 1948. O. G. Feb. 17.
Loose leaf blank books and albums, etc. R. B. Buzzard. 436,740, Feb. 17; Serial No. 522,377, published Nov. 11, 1947.
Paper. Eastern Corporation. 436,609, Feb. 17; Serial No. 489,572, published Nov. 11, 1947.
Paper, and pasted bristol, Super, suede-like text and papeterie. Lee Paper Company. 436,786, Feb. 17.

Paper bibs, Children's. M. A. Christman. 436,754, Feb. 17; Serial No. 523,825, published Nov. 18, 1947.
Paper board and printing paper. Brownville Board Company. 436,629, Feb. 17; Serial No. 503,156, published Nov. 11, 1947.
Paper, envelopes, paper stationery, etc., Loose-leaf filler. Write Right Manufacturing Company. 436,611, Feb. 17; Serial No. 493,707, published Nov. 11, 1947.
Paper napkins, paper towels, and toilet paper. Sterling Pulp & Paper Company. 436,734, Feb. 17; Serial No. 521,700, published Nov. 11, 1947.
Paper, Raisin-tray. Crown Willamette Paper Company. 213,054, May 18, 1926. Republished Feb. 17.
Paper, Wrapping. Crown Willamette Paper Company. 213,134, May 18, 1926. Republished Feb. 17.
Paper, Writing and printing. Plymouth Paper Company, Inc. 436,756, Feb. 17; Serial No. 524,149, published Nov. 18, 1947.
Pencils, Mechanical. Moore Pen Company. 436,719, Feb. 17; Serial No. 520,107, published Nov. 11, 1947.
Pens and mechanical pencils, Fountain. Associated Pen Company. 436,766, Feb. 17; Serial No. 525,749, published Nov. 18, 1947.
Pens, Fountain. H. L. Martin. 436,648, Feb. 17; Serial No. 510,328, published Nov. 11, 1947.
Pens, Fountain. Rexall Drug Company. 436,720, Feb. 17; Serial No. 520,122, published Nov. 11, 1947.
Photographic folders. T. R. Green. 436,660, Feb. 17; Serial No. 512,118, published Nov. 11, 1947.

CLASS 38

Art-calendars, greeting cards, and mottoes. Brown & Bigelow. 147,758, Nov. 1, 1921. Republished Feb. 17.
Books published every two months, Series of. David McKay Company. 436,628, Feb. 17; Serial No. 501,754, published Nov. 18, 1947.
Bulletin issued from time to time. Associated Business Papers, Inc. 436,688, Feb. 17; Serial No. 516,160, published Nov. 25, 1947.
Calendars, newspapers, price lists, and greeting cards. Wall. Brown & Bigelow. 217,752, Sept. 7, 1926. Republished Feb. 17.
Cards. R. N. Perley. 436,675-6, Feb. 17; Serial Nos. 515,045-6, published Nov. 18, 1947.
Cards, printed greeting folders, calendars, etc., Greeting. Norcross. 436,679, Feb. 17; Serial No. 515,127, published Nov. 18, 1947.
Cartoon, series of cartoons, cartoon strip, etc., Title for a. Street & Smith Publications, Inc. 436,605, Feb. 17; Serial No. 471,644, published Nov. 13, 1945.
Cartoons. H. W. Malcolm. 436,706, Feb. 17; Serial No. 518,601, published Nov. 25, 1947.
Cartoons or comic strips, Series. F. R. Sleminski. 436,702, Feb. 17; Serial No. 518,487, published Nov. 25, 1947.
Drawings for houses, plan books, etc., Working. A. G. Johnson. 436,658, Feb. 17; Serial No. 511,880, published Nov. 18, 1947.
Envelopes with canceled stamps thereon, Picture. J. H. Schmidt. 436,628, Feb. 17; Serial No. 501,342, published Nov. 4, 1947.
Greeting cards; printed greeting folders; calendars, etc. Norcross, Inc. 436,692, Feb. 17; Serial No. 516,783, published Nov. 11, 1947.
Magazine, Bimonthly. Davies-Young Soap Company. 222,114, Dec. 21, 1926. Republished Feb. 17.
Magazine, Medical. Farbenfabriken of Elberfeld Co. 67,096, re-renewed Jan. 14, 1948. O. G. Feb. 17.
Magazine, Monthly. Paul Roberts and Associates. 436,673, Feb. 17; Serial No. 514,722, published Nov. 25, 1947.
Magazine, Monthly sports. W. P. Jacobs. 436,640, Feb. 17; Serial No. 508,359, published Nov. 25, 1947.
Newspaper column, section or feature. Hearst Corporation. 436,685, Feb. 17; Serial No. 515,760, published Nov. 25, 1947.
Newspaper section or department. Paul Luther Enterprises, Inc. 436,668, Feb. 17; Serial No. 514,052, published Nov. 4, 1947.
Periodical. Brown & Bigelow. 219,490, Oct. 19, 1926. Republished Feb. 17.
Periodical. Country Church of Hollywood. 436,643, Feb. 17; Serial No. 508,792, published Nov. 18, 1947.
Periodical of house organ type. Holophone Company, Inc. 436,607, Feb. 17; Serial No. 488,528, published Nov. 4, 1947.
Periodical published at intervals, Column in a. Street & Smith Publications, Inc. 436,704, Feb. 17; Serial No. 518,569, published Nov. 25, 1947.
Periodical published monthly. Technical Societies Council of Kansas Area. 436,633, Feb. 17; Serial No. 504,941, published Nov. 25, 1947.
Photographs, portraits, copies of documents, and framed pictures. J. N. Roos. 436,639, Feb. 17; Serial No. 507,657, published Nov. 4, 1947.
Photostats and loose-leaf advertising units or data sheets. Commercial Reproducing Company. 436,693, Feb. 17; Serial No. 517,458, published Nov. 25, 1947.

Publication at present published annually, Continuing. National Geographic Society. 436,700, Feb. 17; Serial No. 518,167, published Nov. 18, 1947.
Publication, Monthly. Fawcett Publications, Inc. 436,645, Feb. 17; Serial No. 509,701, published Nov. 4, 1947.
Publication, Monthly. Heller Brothers Company. 436,603, Feb. 17; Serial No. 469,199, published Nov. 25, 1947.
Publication, Monthly. M. Schmitt. 436,666, Feb. 17; Serial No. 513,689, published Nov. 18, 1947.
Publication, Periodical. Gemex Company. 436,698, Feb. 17; Serial No. 517,843, published Nov. 18, 1947.
Publication, Periodical. Street & Smith Publications, Inc. 436,665, Feb. 17; Serial No. 513,476, published Nov. 18, 1947.
Publications, Musical. E. C. Schirmer Music Company. 436,632, Feb. 17; Serial No. 504,635, published Nov. 18, 1947.
Publications, Periodical. United States News Publishing Corporation. 436,696, Feb. 17; Serial No. 517,756, published Nov. 25, 1947.
Section in a monthly magazine. Calling All Girls, Inc. 436,650, Feb. 17; Serial No. 510,827, published Nov. 4, 1947.
Section or feature in a periodical publication. Esquire, Inc. 436,779, Feb. 17.

CLASS 39

Boots and shoes. International Shoe Company. 436,775, Feb. 17.
Brassieres. Kabo Corset Company. 436,649, Feb. 17; Serial No. 510,699, published Sept. 30, 1947.
Brassieres. Stephen-Jay Co., Inc. 436,725, Feb. 17; Serial No. 520,654, published Nov. 11, 1947.
Brassieres, girdles, corsets, etc. Weingarten Bros. 200,390, June 30, 1925. Republished Feb. 17.
Clogs suitable for shower, beach, home and gymnasium use, Plastic. Todes Brothers. 436,776, Feb. 17.
Clothing for men, Articles of. Alfred Decker & Cohn, Inc. 316,573, Aug. 28, 1934. Republished Feb. 17.
Clothing, Men's. Alfred Decker & Cohn, Inc. 381,718, Oct. 1, 1940. Republished Feb. 17.
Clothing, Men's. Alfred Decker & Cohn, Inc. 396,121, June 30, 1942. Republished Feb. 17.
Clothing, Men's and boys' work. Affiliated Retailers, Inc. 436,785, Feb. 17.
Coats, and overcoats for men. Alfred Decker & Cohn, Inc. 240,287, Mar. 20, 1928. Republished Feb. 17.
Coats and suits, Misses'. Lou Schneider, Inc. 436,739, Feb. 17; Serial No. 522,353, published Nov. 11, 1947.
Coats, Ladies'. Bevilon Coats. 436,767, Feb. 17; Serial No. 525,772, published Nov. 11, 1947.
Coats, overcoats, and topcoats, Men's. Alfred Decker & Cohn, Inc. 288,536, Nov. 3, 1931. Republished Feb. 17.
Coats, riding breeches and knickerbockers, etc. Real Sport Clothing Company. 225,178, Mar. 15, 1927. Republished Feb. 17.
Coats, suits, and dresses, Women's. Nat-Lie, Inc. 436,687, Feb. 17; Serial No. 515,844, published Nov. 4, 1947.
Coats, suits, skirts, etc., Ladies'. Reinis Coat & Suit Co., Inc. 436,790, Feb. 17.
Coats, vests and pants, Men's. Alfred Decker & Cohn, Inc. 202,236, Aug. 18, 1925. Republished Feb. 17.
Coats, vests and trousers, for men and youths. Alfred Decker & Cohn, Inc. 203,026, Sept. 8, 1925. Republished Feb. 17.
Coats, vests, trousers, etc. Albert Decker & Cohn, Inc. 246,246, Aug. 21, 1928. Republished Feb. 17.
Coats, vests, trousers, etc. Albert Decker & Cohn, Inc. 295,461, July 5, 1932. Republished Feb. 17.
Coats, vests, trousers, knickerbockers, etc. Albert Decker & Cohn, Inc. 208,938, Feb. 9, 1926. Republished Feb. 17.
Dresses, blouses, suits, etc., Ladies', misses' and children's. Affiliated Retailers, Inc. 436,787, Feb. 17.
Dresses, sun dresses, blouses, etc., Ladies', junior misses' and misses', maternity. Eileen-Joy Fashions, Inc. 436,783, Feb. 17.
Garments designed for women, Fur. J. Schulman & Brother. 436,780, Feb. 17.
Garments, Foundation. Stay-In-Form Foundations. 436,782, Feb. 17.
Garments, Ladies'. Junion League Frocks, Inc. 436,654, Feb. 17; Serial No. 511,562, published Nov. 4, 1947.
Garments, Outside. Alfred Decker & Cohn, Inc. 354,563, Feb. 15, 1938. Republished Feb. 17.
Hosiery. Joseph Black & Sons Company. 399,692, Jan. 26, 1943. Republished Feb. 17.
Hosiery. Brearley Company. 238,816, renewed Feb. 14, 1948. O. G. Feb. 17.
Hosiery. Burson Knitting Company. 237,089, renewed Jan. 3, 1948. O. G. Feb. 17.
Hosiery, Full-fashioned silk. Apex Hosiery Company. 203,275, Sept. 15, 1925. Republished Feb. 17.
Hosiery, Ladies' full-fashioned. Apex Hosiery Company. 219,998, Oct. 26, 1926. Republished Feb. 17.
Jackets, Knit. Grushlaw and Sichel. 235,080, renewed Nov. 8, 1947. O. G. Feb. 17.

Overcoats and topcoats for men. Alfred Decker & Cohn, Inc. 295,122, June 21, 1932. Republished Feb. 17.
Overcoats and topcoats for men. Alfred Decker & Cohn, Inc. 295,123, June 21, 1932. Republished Feb. 17.
Overcoats and topcoats, Men's. Alfred Decker & Cohn, Inc. 203,036, Sept. 8, 1925. Republished Feb. 17.
Overcoats for men and men's suits. Alfred Decker & Cohn, Inc. 292,991, Apr. 5, 1932. Republished Feb. 17.
Overcoats, Men's. Alfred Decker & Cohn, Inc. 338,159, Sept. 1, 1936. Republished Feb. 17.
Overcoats, Men's. Alfred Decker & Cohn, Inc. 377,772, May 14, 1940. Republished Feb. 17.
Pajamas. Associated Merchandising Corporation. 236,907, renewed Dec. 27, 1947. O. G. Feb. 17.
Shirts, dress shirts; boys' dress, negligee, and work shirts, etc., Work. Allen Shirt Co. 236,936-7, renewed Dec. 27, 1947. O. G. Feb. 17.
Shirts, Outer. Commercial Shirt Co. 67,092, re-renewed Jan. 14, 1948. O. G. Feb. 17.
Shoes. Ace Exhibits Co. 436,778, Feb. 17.
Shoes, and boots. A. A. Williams. 221,007, Nov. 23, 1926. Republished Feb. 17.
Shoes, Leather. J. Edwards & Co. 436,771, Feb. 17.
Shoes, oxfords, slippers, etc., Men's and boys'. Nunn-Bush Shoe Company. 436,781, Feb. 17.
Suits, Certain particular group of men's. Alfred Decker & Cohn, Inc. 384,768, Feb. 4, 1941. Republished Feb. 17.
Suits consisting of coats, trousers, and vests, Men's. Alfred Decker & Cohn, Inc. 313,896-7, June 11, 1934. Republished Feb. 17.
Suits, including coats, vests, and trousers, Men's. Alfred Decker & Cohn, Inc. 294,531, May 31, 1932. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 285,406, July 28, 1931. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 294,106, May 17, 1932. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 353,848, Jan. 18, 1938. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 353,954, Jan. 25, 1938. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 357,345, May 31, 1938. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 368,603, June 27, 1939. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 373,476, Dec. 12, 1939. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 379,150-1, July 2, 1940. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 379,356, July 9, 1940. Republished Feb. 17.
Suits, Men's. Alfred Decker & Cohn, Inc. 411,591, Jan. 23, 1945. Republished Feb. 17.
Supporter, Breast. V. F. Ferrero. 219,928, renewed Oct. 26, 1946. O. G. Feb. 17.
Sweaters and knit jackets. Maple Knitwear Co. 436,774, Feb. 17.
Topcoats and overcoats, Men's. Alfred Decker & Cohn, Inc. 379,149, July 2, 1940. Republished Feb. 17.
Topcoats and overcoats, Men's. Alfred Decker & Cohn, Inc. 381,337, Sept. 17, 1940. Republished Feb. 17.
Topcoats and overcoats, Men's. Alfred Decker & Cohn, Inc. 386,021, Mar. 25, 1941. Republished Feb. 17.
Topcoats, Women's. Alfred Decker & Cohn, Inc. 360,046, Sept. 6, 1938. Republished Feb. 17.
Waistcoat attachments for dress coats. Alfred Decker & Cohn, Inc. 384,757, Feb. 4, 1941. Republished Feb. 17.
Wearing apparel. Margulls Brothers. 436,630, Feb. 17; Serial No. 503,381, published Dec. 31, 1946.

CLASS 42

Adhesively integrated fibrous materials. Respro Inc. 203,807, Sept. 29, 1925. Republished Feb. 17.
Blankets. Edmond Mills. 67,044, re-renewed Jan. 14, 1948. O. G. Feb. 17.
Cotton goods in the piece, Finished. Henrietta Mills. 238,758-60, renewed Feb. 14, 1948. O. G. Feb. 17.
Fabric, Synthetic. Aberfoyle Mfg. Co. 240,060, renewed Mar. 20, 1948. O. G. Feb. 17.
Fabrics in the piece, Woolen textile. Atlantic Mills. 233,498, renewed Oct. 4, 1947. O. G. Feb. 17.
Goods in the piece, Woolen dress. Atlantic Mills. 233,562, renewed Oct. 4, 1947. O. G. Feb. 17.
Piece goods of silk, rayon, cotton, etc. Comblor, Chauvin Corporation. 436,770, Feb. 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 232,646, renewed Sept. 13, 1947. O. G. Feb. 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 233,380-1, renewed Sept. 27, 1947. O. G. Feb. 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 233,384, renewed Sept. 27, 1947. O. G. Feb. 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 233,386, renewed Sept. 27, 1947. O. G. Feb. 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 233,404-5, renewed Sept. 27, 1947. O. G. Feb. 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 233,514, renewed Oct. 4, 1947. O. G. Feb. 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 233,609-10, renewed Oct. 4, 1947. O. G. Feb. 17.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Piece goods, Woolen. Forstmann & Huffmann Company. 233,840-2, renewed Oct. 11, 1947. O. G. Feb. 17.
 Sheets and pillowcases, Textile. Androskoggin Mills. 231,272, renewed Aug. 16, 1947. O. G. Feb. 17.
 Silks, Broad. M. C. Migel & Co. 67,746, re-renewed Feb. 18, 1948. O. G. Feb. 17.
 Silks, Broad. M. C. Migel & Co. 67,748, re-renewed Feb. 18, 1948. O. G. Feb. 17.

CLASS 43

Threads, twists, artificial embroidery silk flosses, etc., Silk and cotton. Belding Hemlinway Company. 237,807, renewed Jan. 17, 1948. O. G. Feb. 17.

CLASS 44

Belts or supporters, Abdominal. Samuel H. Camp. 116,588, May 15, 1917. Republished Feb. 17.
 Catamenial bandages and absorbent pads or sheets for infants' diapers. Cellucotton Products Company. 218,683, Sept. 28, 1926. Republished Feb. 17.

CLASS 45

Beverages, Carbonated, nonalcoholic, noncereal, maltless. J. G. Epping. 237,665, renewed Jan. 17, 1948. O. G. Feb. 17.
 Ginger ale, American Stores Company. 239,098, renewed Feb. 21, 1948. O. G. Feb. 17.
 Ginger ale and nonalcoholic maltless beverages. H. Woertz. 229,935, renewed July 12, 1947. O. G. Feb. 17.
 Ginger ale, and soda-water. W. A. Ross & Sons, Limited. 30,633, re-renewed Oct. 5, 1947. O. G. Feb. 17.
 Ginger-ale, orangeade, and soda-water. W. A. Ross & Sons, Limited. 30,632, re-renewed Oct. 5, 1947. O. G. Feb. 17.
 Syrups, Nonalcoholic, maltless, concentrated. H. Baron & Co. Inc. 240,483, renewed Mar. 27, 1948. O. G. Feb. 17.

CLASS 46

Antipasto. F. G. Di Gio. 213,130, renewed May 18, 1946. O. G. Feb. 17.
 Bakery products. National Biscuit Company. 436,711, Feb. 17; Serial No. 519,081, published Nov. 18, 1947.
 Biscuits and crackers. H. W. Clark Biscuit Company. 237,786, renewed Jan. 17, 1948. O. G. Feb. 17.
 Candy. Loft Candy Corporation. 436,731, Feb. 17; Serial No. 521,346, published Nov. 11, 1947. O. G. Feb. 17.
 Candy. Sears & Hinchcliff. 233,904, renewed Oct. 11, 1947. O. G. Feb. 17.
 Canned beans with chile gravy. Walker Properties Association. 239,005-6, renewed Feb. 21, 1948. O. G. Feb. 17.
 Canned fruits, canned vegetables, dried fruits, etc. E. Clemens Horst Co. 218,778, Oct. 5, 1926. Republished Feb. 17.
 Canned vegetables. Calfruit Canning Company. 436,709, Feb. 17; Serial No. 519,058, published Nov. 25, 1947.
 Chocolate, candy, Cocoa. D. Ghirardelli Co. 205,776, Nov. 17, 1926. Republished Feb. 17.
 Chocolate confection pieces. Rockwood & Co. 436,604, Feb. 17; Serial No. 470,348, published Nov. 18, 1947.
 Cocoa, chocolate, candy. D. Ghirardelli Co. 222,157, Dec. 21, 1926. Republished Feb. 17.
 Dried fruits. Inderrieden Canning Co. 213,534, June 1, 1926. Republished Feb. 17.
 Feed, stock feed, and dairy feed, Poultry. Northrup, King & Co. 226,033, Mar. 29, 1927. Republished Feb. 17.
 Feeds and feedstuffs. Ferncliff Feed & Grain Co. 221,721, Dec. 7, 1926. Republished Feb. 17.
 Feeds and feedstuffs. Ferncliff Feed & Grain Co. 226,377, Apr. 5, 1927. Republished Feb. 17.
 Flour, Wheat. Big Diamond Mills Company. 233,880, renewed Oct. 11, 1947. O. G. Feb. 17.
 Flour, Wheat. Thornton & Chester Milling Company. 238,163, renewed Jan. 31, 1948. O. G. Feb. 17.

Foods. Darling & Company. 118,501, Sept. 18, 1917. Republished Feb. 17.

Foods for infants and invalids, Prepared. Société L'Aliment Essentiel. 198,013, renewed Apr. 28, 1945. O. G. Feb. 17.

Foods, Prepared animal and poultry. Darling & Company. 118,391, Sept. 4, 1917. Republished Feb. 17.
 Frozen meals, Precooked. Maxson Food Systems, Inc. 436,697, Feb. 17; Serial No. 517,792, published Nov. 25, 1947.

Fruit, Fresh citrus. R. D. Keene & Co. 238,028, renewed Jan. 24, 1948. O. G. Feb. 17.

Fruits; and fresh vegetables, Fresh. V. J. Squillante. 234,730, renewed Nov. 1, 1947. O. G. Feb. 17.

Fruits, canned vegetables, etc., Canned and dried. Inderrieden Canning Co. 221,321, Nov. 30, 1926. Republished Feb. 17.

Fruits, Preserved. Industria Marmelatte e Conserve Alimentari. 233,945, renewed Oct. 11, 1947. O. G. Feb. 17.

Grapes, Fresh. D. Andrews. 436,659, Feb. 17; Serial No. 511,973, published July 15, 1947.

Jellies, fruit preserves, fruit butters, etc. Blanke-Baer Extract & Preserving Company. 238,210, Jan. 31, 1928. Republished Feb. 17.

Lard. E. Kahn's Sons Company. 233,734, renewed Oct. 11, 1947. O. G. Feb. 17.

Lettuce, Fresh. O. O. Eaton. 238,236, renewed Jan. 31, 1948. O. G. Feb. 17.

Nuts and nut meats. J. B. Inderrieden Co. 217,759, Sept. 7, 1926. Republished Feb. 17.

Olives, pickles, salad dressing, etc. Blanke-Baer Extract & Preserving Company. 240,295, Mar. 20, 1928. Republished Feb. 17.

Pickles, chow-chow, sauer-kraut, etc. H. J. Helnz Company. 67,934, re-renewed Feb. 25, 1948. O. G. Feb. 17.

Pork, Cured. Wm. Schludenberg-T. J. Kurdie Co. 236,506, renewed Dec. 13, 1947. O. G. Feb. 17.

Prune juice. Duffy-Mott Company, Inc. 436,644, Feb. 17; Serial No. 499,215, published Nov. 25, 1947.

Rolls, sandwich rolls, wieners, minced meat, pickles, pickle relish, Finger. G. J. Deck. 234,435, renewed Oct. 25, 1947. O. G. Feb. 17.

Sandwiches, Peanut butter. Bobs Candy & Peanut Co. 436,618, Feb. 17; Serial No. 497,643, published Nov. 25, 1947.

Sauce or dressing, Table. Theonett & Co. 232,687, renewed Sept. 13, 1947. O. G. Feb. 17.

Shortening, Vegetable. Portsmouth Cotton Oil Refining Corporation. 218,925, Oct. 5, 1926. Republished Feb. 17.

Soups. A. Ortiz. 436,732, Feb. 17; Serial No. 521,399, published Nov. 18, 1947.

Syrup, fruit preserves, jelly, etc., Table. Oelerich & Berry Company. 223,424, Feb. 1, 1927. Republished Feb. 17.

Tea, coffee, cocoa, etc. and canned berries, etc. John Blaul's Sons Co. 240,432, renewed Mar. 27, 1948. O. G. Feb. 17.

Vanilla and vanillin concentrates. A. E. Illes Company. 436,621, Feb. 17; Serial No. 499,496, published Nov. 18, 1947.

Vegetables and fresh deciduous fruits, Fresh. H. E. Rogers. 436,753, Feb. 17; Serial No. 523,670, published Nov. 25, 1947.

Vegetables, Fresh. Peter Giannini. 436,750, Feb. 17; Serial No. 523,013, published Nov. 25, 1947.

Wheat-flour. Kansas Milling Company, Inc. 65,400, re-renewed Sept. 24, 1947. O. G. Feb. 17.

CLASS 50

Fibrous material. Adhesively-integrated. Respro, Inc. 226,936, Apr. 26, 1927. Republished Feb. 17.

Rugs and mats of the nature of carpets, skin perambulator rugs and robes, etc., Skin. Clark, Son & Morland, Limited. 236,306, renewed Dec. 6, 1947. O. G. Feb. 17.

LIST OF DESIGN PATENTEEES

Aero Lines, assignee: See—

Hoffman, Frederick C.

Ansul Chemical Company, assignee: See—

La Fountain, Amie, and Guise.

Applegate, Kenneth C.: See—

Tackenberg, Richard C. and Applegate.

Atkins, Robert B., Keltys, Tex. Toy airplane. 148,670, Feb. 17.

Babin, Paul E., New Orleans, La. Watch band. 148,671, Feb. 17.

Bendix Aviation Corporation, assignee: See—

Burton, Frank C.

Boucher, Marcel, New York, N. Y. Pin or similar article. 148,672, Feb. 17.

Boyes, James C., San Pedro, Calif. Airplane. 148,673, Feb. 17.

Brillhart, Arnold, Ltd., assignee: See—

Galehouse, Clark F.

Brown, Philip M., Elmhurst, Ill. Book cover. 148,674, Feb. 17.

Burton, Frank C., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet or the like. 148,675, Feb. 17.

Carrom Industries, Inc., assignee: See—

Smith, Lee, and Mueckler.

Cary, Arthur P., assignor to Cary Products, Dallas, Tex., a partnership consisting of A. P. Cary and B. Norbury. Holder for paper napkins or similar articles. 148,676, Feb. 17.

Cary Products, assignee: See—

Cary, Arthur P.

Chapman, Dave, assignor to Club Aluminum Products Company, Chicago, Ill. Cover for the serving bowl of a coffee maker. 148,677, Feb. 17.

Chicago Electric Manufacturing Company, assignee: See—

Haase, Lawrence H.

Club Aluminum Products Company, assignee: See—

Chapman, Dave.

Cluett, Peabody & Co., Inc., assignee: See—

Dimling, Edwin C.

Columbia Protokosite Co., Inc., assignee: See—

Lux, Eugene J.

Dimling, Edwin C., Flushing, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Store display fixture. 148,678, Feb. 17.

Dominick, Margaret, New Brunswick, N. J. Illuminable statue base. 148,679, Feb. 17.

Douglas, Conrad, Houston, Tex. Motor vehicle. 148,680, Feb. 17.

Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner nozzle or similar article. 148,681, Feb. 17.

Ed-U-Cards, Inc., assignee: See—

Kaufer, Shirley.

Etkin, Simon, New York, N. Y. Jacket. 148,682, Feb. 17.

Etkin, Simon, New York, N. Y. Jacket. 148,683, Feb. 17.

Fletcher Aircraft: See—

Fletcher, Frank P.

Fletcher, Frank P., Pasadena, assignor to W. S., F. P., and M. C. Fletcher, co-partners doing business as Fletcher Aircraft, Burbank, Calif. Household utility cart. 148,684, Feb. 17.

Fletcher, Maurice C., assignee, et al.: See—

Fletcher, Frank P.

Fletcher, Wendell S., assignee, et al.: See—

Fletcher, Frank P.

Foier, Joseph, Brooklyn, N. Y. Container for poker chips. 148,685, Feb. 17.

Foier, Joseph, Brooklyn, N. Y. Combined poker chip holder and card-case. 148,686, Feb. 17.

Galehouse, Clark F., Manhasset, assignor to Arnold Brillhart Ltd., Great Neck, N. Y. Lampstand or similar article. 148,687, Feb. 17.

Glovagnoni, Violet, New York, N. Y. Negligee. 148,688, Feb. 17.

Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,689, Feb. 17.

Goodyear Footwear Corporation, assignee: See—

Hard, John E.

Gordon, Eli, and H. Sanders, Los Angeles, Calif. Viewer case. 148,690, Feb. 17.

Graef, John G., Dallas, Tex. Display cabinet. 148,691, Feb. 17.

Graham, Elizabeth N., New York, N. Y. Cosmetic display box. 148,692, Feb. 17.

Grosvenor, Richard B., Piqua, Ohio. Combined spoon and rattle. 148,693, Feb. 17.

Grover, Frederic S., Brighton, assignor to Richardson Corporation, Rochester, N. Y. Roadside refreshment stand. 148,694, Feb. 17.

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Guise, Arthur B.: See—

La Fountain, Amie, and Guise.

Guth, Edwin F., Florissant, and E. C. Koegel, assignors to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. 148,695, Feb. 17.

Guth, Edwin F., Company, The, assignee: See—

Guth, Edwin F., and Koegel.

Koegel, Ervin C.

Haase, Lawrence H., Evansville, Ind., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Washing machine. 148,696, Feb. 17.

Haines, Harold E., Binghamton, N. Y. Hearing aid. 148,697, Feb. 17.

Hanes, Howard B., Fort Dodge, Iowa. Spinning bird's wing toy. 148,698, Feb. 17.

Hard, John E., Cranston, assignor to Goodyear Footwear Corporation, Providence, R. I. Overshoe or similar water-proof article. 148,699, Feb. 17.

Hockery, John C., assignee: See—

Travis, Albert M.

Hodge, T. Barry, Chicago, Ill. Container for toys and the like. 148,700, Feb. 17.

Hoffman, Frederick C., Los Angeles, assignor to Aero Lines, Van Nuys, Calif. House trailer. 148,701, Feb. 17.

Holmgren, Gustave, Sheboygan Falls, Wis. Mailbox or similar article. 148,702, Feb. 17.

Hoover Company, The, assignee: See—

Dreyfuss, Henry.

Ingram, Carl B., El Monte, and C. T. Ingram, Los Angeles, Calif. Vegetable cutter. 148,703, Feb. 17.

Ingram, Chester T.: See—

Ingram, Carl B. and C. T.

International Business Machines Corporation, assignee: See—

Kress, George H., and Sundberg.

Johnson, Charles B., Los Angeles, Calif. Perfume bottle or similar article. 148,704, Feb. 17.

Kaufer, Shirley, Brooklyn, assignor to Ed-U-Cards, Inc., New York, N. Y. Set of educational cards. 148,705, Feb. 17.

Kenney, Charles V., Chicago, Ill. Combination stroller, rocker, sled, and walker. 148,706, Feb. 17.

Koegel, Ervin C.: See—

Guth, Edwin F., and Koegel.

Koegel, Ervin C., assignor to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. 148,707, Feb. 17.

Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Recorder casing or the like. 148,708, Feb. 17.

Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Casing for a recorder or the like. 148,709, Feb. 17.

La Fountain, Amie, and A. B. Guise, assignors to Ansul Chemical Company, Marinette, Wis. Nozzle for dry chemical fire extinguisher. 148,710, Feb. 17.

Leiserowitz, Alfred P., Des Moines, Iowa. Cigarette package holder. 147,711, Feb. 17.

Lorenz, Eugene, Springfield, N. J. Clothesline pulley or similar article. 148,712, Feb. 17.

Lux, Eugene J., New York, N. Y., assignor to Columbia Protokosite Co., Inc., Carlstadt, N. J. Comb. 148,713, Feb. 17.

Madler, Max F., New York, N. Y. Finger ring. 148,715, Feb. 17.

McLaughlin, Frank, and J. E. Roberson, New York, N. Y. Combination bottle opener, ice pick, ice cracker, and muddler. 148,714, Feb. 17.

Mertz, Harry J., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Motor scooter. 148,716, Feb. 17.

Mueckler, William J.: See—

Smith, Lee, and Mueckler.

Paley, Albert A., Kew Gardens, assignor to Paley Manufacturing Corporation, Brooklyn, N. Y. Open type self-service frosted food display cabinet. 148,717, Feb. 17.

Paley Manufacturing Corporation, assignee: See—

Paley, Albert A.

Peterson, Edward R., Rockford, Ill. Ash tray and coaster combination. 148,718, Feb. 17.

Petitta, Mario, New York, N. Y. Hair curling device. 148,719, Feb. 17.

Pichel, Irving, New York, N. Y. Handbag. 148,720, Feb. 17.

Prins, Edward, St. Paul, Minn. Combined shelf and roll curtain wall protector. 148,721, Feb. 17.

Readman, Bernard L., assignor to Vickers Incorporated, Detroit, Mich. Hydraulic control panel. 148,722, Feb. 17.

LIST OF DESIGN PATENTEES

Richardson Corporation, assignee: *See*—
Grover, Frederic S.
Richey, Mary B., North Hollywood, Calif. Finger ring or similar article. 148,723, Feb. 17.
Roberson, John E.: *See*—
McLaughlin, Frank, and Roberson.
Sanders, Henry: *See*—
Gordon, Eli, and Sanders.
Schauenberg, Joseph N., Toronto, Ontario, Canada. Rocking animal figure toy. 148,724, Feb. 17.
Sharma, Devendra N., London, England. Combined portable radio receiver, camera, clock, and cigarette lighter. 148,725, Feb. 17.
Singel, Robert D., Eau Claire, Wis. Handbag. 148,726, Feb. 17.
Smith, Lee, and W. J. Mueckler, assignors to Carrom Industries, Inc., Ludington, Mich. Game board. 148,727, Feb. 17.
Smith, Lee, and W. J. Mueckler, assignors to Carrom Industries, Inc., Ludington, Mich. Game board. 148,728, Feb. 17.
Solar Corporation, assignee: *See*—
Mertz, Harry J.
Sterkel, Jake, Denver, Colo. Automotive vehicle guard. 148,729, Feb. 17.

Strassner, John F., New York, N. Y. Jacket. 148,730, Feb. 17.
Strassner, John F., New York, N. Y. Jacket. 148,731, Feb. 17.
Studer, Walter J., Buffalo, N. Y. Badminton shuttlecock. 148,732, Feb. 17.
Studer, Walter J., Buffalo, N. Y. Shuttlecock. 148,733, Feb. 17.
Sundberg, Carl W.: *See*—
Kress, George H., and Sundberg.
Tackenberg, Richard C., and K. C. Applegate, Cincinnati, Ohio. Holder for a coffee maker. 148,734, Feb. 17.
Torres, August S., Kinderhook, N. Y. Coffee roasting machine. 148,735, Feb. 17.
Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Display stand. 148,736, Feb. 17.
Vickers Incorporated, assignee: *See*—
Readman, Bernard L.
Vogel, Edward J., Belleville, N. J. Fountain pen desk stand. 148,737, Feb. 17.
Wild, Helena A., New York, N. Y. Potholder rack. 148,738, Feb. 17.
Wilks, Edmund F., Dover Heights, near Sydney, New South Wales, Australia. Stove casing. 148,739, Feb. 17.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Scott M., Chicago, assignor to R. C. Burrows, Park Ridge, Ill. Liquid dispenser. 2,434,030, Feb. 17.
Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,436,159, Feb. 17.
Adam, John N., Jr., Montvale, and O. Durfee, Pearl River, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Scarlet fever toxin. 2,436,063, Feb. 17.
Adams, Edwin F., assignor to R. J. Bottomly, Boston, Mass. Folding bipod assembly for guns. 2,436,349, Feb. 17.
Adel Precision Products Corp., assignee: *See*—
Kremiller, Arthur E.
Aeroquip Corporation, assignee: *See*—
Deming, Mark A.
Agriculture, United States of America, as represented by the Secretary of: *See*—
Hepting, George H.
Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Co. Lifter roof. 2,436,348, Feb. 17.
Allied Chemical & Dye Corporation, assignee: *See*—
Beckham, Leland J.
American Can Company, assignee: *See*—
Wolfe, Herbert J., and Greubel.
American Chain & Cable Company, Inc., assignee: *See*—
Buffap, Carl A.
American Cyanamid Company, assignee: *See*—
Adam, John N., Jr., and Durfee.
Hultquist, Martin R.
Lacey, Harold T., and Brouillard.
Mowat, John H.
Mowat, John H., and Boothe.
Winnek, Philip S.
American Optical Company, assignee: *See*—
Bennett, Alva H.
American Smelting and Refining Company, assignee: *See*—
Lebedeff, Yuri E.
American Steel Foundries, assignee: *See*—
Baselt, Walter H.
Moline, Carl R.
American Viscose Corporation, assignee: *See*—
Rosser, Charles M.
Wiegerink, James G.
Amering, Charles F., assignor to Eastman Kodak Company, Rochester, N. Y. Vacuum envelope for photographic printing. 2,436,085, Feb. 17.
Amity Manufacturing Corp., assignee: *See*—
De Mott, Armand.
Antles, Leo C., Wenatchee, Wash. Method of and means for pollinating blossoms. 2,435,951, Feb. 17.
Appleton Electric Company, assignee: *See*—
Tornblom, Nils A.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,435,995, Feb. 17.
Armstrong Cork Company, assignee: *See*—
Eaby, Le Roy.
Aspell, Leslie L., assignor to Romec Pump Company, Elyria, Ohio. Valve. 2,436,242, Feb. 17.
Aston, Royden N., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of chlorine dioxide. 2,436,134, Feb. 17.
Atomic Energy Commission, United States of America, as represented by the, assignee: *See*—
Weller, Barton L.
Williams, John W., and Bevilacqua.
Atwood Vacuum Machine Company, The, assignee: *See*—
Tierney, William J., Harmon, and Villemure.
Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control mechanism. 2,436,186, Feb. 17.
Avco Manufacturing Corporation, assignee: *See*—
Chubb, Leroy B.
Bader, Joseph P., Brooklyn, assignor to The Emil Greiner Company, New York, N. Y. Manostat. 2,436,350, Feb. 17.
Baler, Willard E., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Pestic acid compositions. 2,436,066, Feb. 17.
Bair, Robert R.: *See*—
Benner, Harry L., and Bair.
Baird, Clyde W., Columbus, Ohio. Detecting and alarm system. 2,435,996, Feb. 17.
Barrick, Paul L., Wilmington, Del., and R. E. Christ, Elizabeth, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenation of fluorinated compounds. 2,436,135, Feb. 17.
Bartlett, Edward P., and H. C. Duus, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cooling internal-combustion engines. 2,436,281, Feb. 17.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Disc brake for railway vehicles. 2,436,136, Feb. 17.
Beck, Harold J. A., Hinton, Iowa. Hay stacker. 2,436,031, Feb. 17.
Beckham, Leland J., Chesterfield County, Va., assignor to Allied Chemical & Dye Corporation. Purification of organic nitrosation-sulfonation products. 2,436,243, Feb. 17.
Bell, Clarence D.: *See*—
Weber, Arthur G., and Bell.
Bendfeldt, Herbert A., Oak Park, assignor to Mills Industries, Incorporated, Chicago, Ill. Motion-picture projection machine. 2,436,032, Feb. 17.
Bendix Aviation Corporation, assignee: *See*—
Hegy, Louis.
Miller, Donald L.
Benner, Harry L., and R. E. Bair, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metalworking and stripping-plating process. 2,436,244, Feb. 17.
Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Microscope and counting chamber therefor. 2,435,952, Feb. 17.
Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Polarizing microscope and polarizing haemocytometer therefor. 2,435,953, Feb. 17.
Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for vapor coating of large surfaces. 2,436,007, Feb. 17.
Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Surface combustion cracking furnace. 2,436,282, Feb. 17.
Benson, Ernest H., Kansas City, Mo. Cooling fan for aircraft engines. 2,436,087, Feb. 17.
Berger, Kornel, Kew Gardens, Long Island, N. Y. Lamp harp. 2,435,954, Feb. 17.
Beesler, Edward T., and J. A. Orsholl, Milwaukee, Wis. Flashlight for boxes. 2,436,068, Feb. 17.
Bestland, Leonard A., Minneapolis, Minn. Shoe protector. 2,436,187, Feb. 17.
Better-Bilt Door Company, assignee: *See*—
Kaiser, Frederick.
Bevilacqua, Edward M.: *See*—
Williams, John W., and Bevilacqua.
Bigelow-Liptak Corporation, assignee: *See*—
Werner, Neils E.
Bilodeau, Wilfred J., Windsor, Mass., assignor to General Electric Company. Electric winding. 2,436,188, Feb. 17.
Birch, Leland W., assignor to The Ohio Brass Company, Mansfield, Ohio. Steadying means for catenary trolley systems. 2,436,069, Feb. 17.
Biri, Joseph J., Philadelphia, Pa. Bone. 2,436,283, Feb. 17.
Bishop, John H.: *See*—
Snyder, George H. S., White, Bishop, and Socalsky.
Blawell, Charles B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing mercaptans. 2,436,137, Feb. 17.
Blackinton, V. H., & Co., assignee: *See*—
Moehle, Frederick W.
Blanding, Forrest H., Elizabeth, N. J., assignor to Standard Oil Development Company. Cracking of hydrocarbon oils with finely divided heat resistant non-catalytic material. 2,436,160, Feb. 17.
Bloom, Dennis F., Jr., West Sacramento, Calif. Brake actuating mechanism. 2,436,245, Feb. 17.
Blousson Products Corporation, assignee: *See*—
Wytovich, Stanley A.

Bodine, Albert G., Jr., Burbank, assignor to The Calpat Corporation, Los Angeles, Calif. Electrical method and apparatus for injecting or propelling increments of fuel or other fluids. 2,436,090, Feb. 17.

Boehne, Eugene W., Drexel Hill, Pa., assignor to General Electric Company. Are extinguishing device. 2,436,189, Feb. 17.

Boggio, Glusto, Chicago, Ill. Power transmission mechanism. 2,436,033, Feb. 17.

Boisseau, Alexander C., and R. E. Bold, Lansdowne, Pa., assignor to General Electric Company. Electric circuit breaker. 2,436,190, Feb. 17.

Bold, Ralph E.: See—

Boisseau, Alexander C., and Bold.

Bolling, Oscar S., assignor to Mercen-Johnson Machine Company, Minneapolis, Minn. Veneer edge-gluing machine. 2,436,091, Feb. 17.

Bonard, Claude, administrator: See—

Dreyfus, Henry, Rooney, and Shaw.

Bonat, Harry, assignor to Samuel Bonat & Bro., New York, N. Y. Curling rod. 2,436,092, Feb. 17.

Bonat, Samuel & Bro., assignee: See—

Bonat, Harry.

Bondon, Lewis A., Arlington, N. J. Coaxial transmission line. 2,436,284, Feb. 17.

Booth, Frank A., El Segundo, Calif. Motor or pump. 2,436,285, Feb. 17.

Boothe, James H.: See—

Mowat, John H., and Boothe.

Boston Varnish Company, assignee: See—

Bradley, John J., Jr.

Bottomly, Robert J., assignee: See—

Adams, Edwin F.

Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Cable pothead. 2,436,093, Feb. 17.

Bowen, Joseph R., assignor to Hollywood-Maxwell Co., Los Angeles, Calif. Brassiere. 2,436,094, Feb. 17.

Bradley, John J., Jr., Walpole, assignor to Boston Varnish Company, Everett, Mass. Film applicator. 2,436,351, Feb. 17.

Braga, Earl W., Los Angeles, Calif. Air-cooled explosion turbine. 2,436,246, Feb. 17.

Brandell, Elmer, assignee, et al.: See—

Neal, Ernest C.

Brandt, Helene, New York, N. Y. Removable cover for handbags or similar articles. 2,436,237, Feb. 17.

Braun, Karl J., Merrick, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Card cutting machine. 2,436,192, Feb. 17.

Bridgroom, Paul L., Leiters Ford, Ind. Nailing device. 2,436,161, Feb. 17.

Bristow, John W., Birmingham, assignor of one-half to A. B. Cole, Jr., Beckenham, England. Lid opener for containers. 2,436,193, Feb. 17.

Brondyke, Willis F., Morgantown, and J. A. Monier, Jr., Charleston, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Conversion of methanol to formaldehyde. 2,436,287, Feb. 17.

Brooks, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkoxy-substituted esters. 2,436,286, Feb. 17.

Brossia, Merlin H., Whittier, Calif. Hutch for small livestock. 2,436,095, Feb. 17.

Brouillard, Robert E.: See—

Lacey, Harold T., and Brouillard.

Buckendale, Lawrence R., and R. K. Super, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle brake. 2,435,955, Feb. 17.

Buehler, Walter, assignor to Economy Pumps, Inc., Hamilton, Ohio. Pump with rotary casing. 2,436,034, Feb. 17.

Buffap, Carl A., Spring Garden Township, York County, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Adjustable bridge sling. 2,436,247, Feb. 17.

Bullard, W. Irving, Charlotte, N. C., assignor to E. H. Jacobs Mfg. Co. Inc., Danielson, Conn. Adjustable lug strap. 2,436,353, Feb. 17.

Burdick Corporation, The, assignee: See—

Maxson, Rolland H.

Burgess, John E.: See—

Gerbold, Clarence G., and Burgess.

Burke, James D., and F. A. Crooks, Los Angeles; said Burke assignor to A. M. Maree, Jr., S. L. Post, S. E. Lindahl, and himself, Los Angeles County, Calif. Electromagnet with armature. 2,436,354, Feb. 17.

Burrows, Ralph C., assignee: See—

Abbott, Scott M.

Burt, Guy H., assignee, et al.: See—

Dansereau, Charles E.

Richardson, Arthur A.

Burt, Harry M., assignee, et al.: See—

Dansereau, Charles E.

Richardson, Arthur A.

Bush, Ralph R., Upper Darby, Pa., assignor to General Electric Company. Circuit breaker operating means. 2,436,194, Feb. 17.

Butterbaugh, Darrel J.: See—

Spence, Le Roy U., Butterbaugh, and Kundiger.

Byron Jackson Co., assignee: See—

Lundeen, Chester A.

Cadenas, Fernando J., Forest Hills, N. Y., assignor to Sylvania Electric Products Inc., Emporium, Pa. X-ray film viewer. 2,436,162, Feb. 17.

Cadot, Henry M., Greenville, and W. B. Clark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Spray drying dimethylolurea. 2,436,355, Feb. 17.

Cairns, Theodore L., Roselle, and D. M. McQueen, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsions of silver salts in hydrophilic polymers of 1,8-dioxolane. 2,436,138, Feb. 17.

California Fruit Growers Exchange, assignee: See—

Baier, Willard E.

Callan, James A., North Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 7-dehydro-cholesterol. 2,436,195, Feb. 17.

Calpat Corporation, The, assignee: See—

Bodine, Albert G., Jr.

Capra, Horace, Montreal, Quebec, Canada. Electrically heated convection radiator. 2,436,288, Feb. 17.

Cardillo, Joseph S., assignor to Romec Pump Company, Elyria, Ohio. Coupling. 2,436,248, Feb. 17.

Cardwell, Paul H., and L. H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Chemical removal of an acid-soluble metal part in a deep well. 2,436,196, Feb. 17.

Cardwell, Paul H., and L. H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Chemical removal of an acid-soluble metal part in a deep well. 2,436,197, Feb. 17.

Cardwell, Paul H., and L. H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Chemical removal of an acid-soluble metal part in a deep well. 2,436,198, Feb. 17.

Carlson, Thomas L. L., Minneapolis, Minn. Parts rack. 2,436,289, Feb. 17.

Cartmill, Holley, San Bernardino, Calif. Pedal scooter. 2,436,199, Feb. 17.

Celanese Corporation of America, assignee: See—

Dreyfus, Henry, Rooney, and Shaw.

Chamberlain Company of America, assignee: See—

Willett, Leon E.

Chaney, Harry L.: See—

Gibbons, Donald R., and Chaney.

Cheiten, Samuel S., Highland Park, N. J. Toilet flush tank valve. 2,436,035, Feb. 17.

Chicago Bridge & Iron Co., assignee: See—

Allen, John W.

Choudhury, Shaif-Uddin A., L. J. Clark, and A. H. Maggs, Rugby, England, assignors to General Electric Company. Self-propelled transmitter. 2,436,200, Feb. 17.

Christ, Robert E.: See—

Barrick, Paul L., and Christ.

Christenson, Gust J., Chicago, Ill. Cushioning device. 2,436,163, Feb. 17.

Chrysler Corporation, assignee: See—

Auten, Jay C.

Herveshoff, Alexander G., and Houk.

Matulaitis, Victor E.

Chubb, Leroy B., Toledo, Ohio, assignor to Arco Manufacturing Corporation. Apparatus for testing the static balance of propeller blades. 2,436,096, Feb. 17.

City Vending Equipment Corp., assignee: See—

Newcomer, Everett J.

Clark, James, assignor of one-third to D. Gottwald, Akron, Ohio. Stair cover. 2,436,139, Feb. 17.

Clark, Leonard J.: See—

Choudhury, Shaif-Uddin A., Clark, and Maggs.

Clark, William B.: See—

Cadot, Henry M., and Clark.

Clarke, Houghton W., Bronxville, N. Y. Dish. 2,436,097, Feb. 17.

Clement, Edmund A., Malden, Mass. Dust protective hood. 2,436,249, Feb. 17.

Cluett, Peabody & Co., Inc., assignee: See—

Pfeffer, Edward C., Jr., and Epelberg.

Coat Craft Company, assignee: See—

Goldstein, Aaron A.

Coca-Cola Company, The, assignee: See—

Stout, George P.

Coe, George B., Upper Montclair, N. J. Tube reducing mill. 2,436,098, Feb. 17.

Cole, Arthur B., Jr., assignee: See—

Bristow, John W.

Cole, Fred H., Los Angeles, Calif. Disconnect switch. 2,436,290, Feb. 17.

Cole, Paul M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of strain-free, extruded shapes from organic thermoplastic materials. 2,436,201, Feb. 17.

Colgate-Palmolive-Peet Company, assignee: See—

Elgin, Joseph C.

Collins Radio Company, assignee: See—

Kent, Raymond C.

Columbia Broadcasting System, Inc., assignee: See—

Goldmark, Peter C.

Goldmark, Peter C., and Dyer.

Cone Automatic Machine Company Inc., assignee: See—

Haynes, Leslie W.

Continental Oil Company, assignee: See—

Bennett, Edwin O.

Continental Steel Corporation, assignee: See—

Smith, Leander E.

Control Instrument Company, Inc., assignee: See—

Braun, Karl J.

Corning Glass Works, assignee: See—

Armistead, William H.

Johannson, Oscar K.

Craig, Edward C., U. S. Navy. Streamlined conductor cable. 2,435,956, Feb. 17.

Cramer, R. W., Company, Incorporated, The, assignee: See—

Schellens, Eugene L.

Crawford, Jack C., U. S. Navy, Anacostia, D. C. Tripack film with emulsion layers adjacent each other and making same. 2,435,957, Feb. 17.

Cress, Jay J., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric apparatus. 2,436,202, Feb. 17.

Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Electric motor control system. 2,436,203, Feb. 17.

Crompton & Knowles Loom Works, assignee: See—

Sepavich, Victor F., and Manooog.

Crooks, Fuller A.: See—

Burke, James D., and Crooks.

Crosby, Harry E., Los Angeles, Calif. Extraction press. 2,436,064, Feb. 17.

Crutcher-Rolls-Cummings Company, assignee: See—

Cummings, James D., and Laurent.

Cueni, Clement P., Arlington, assignor to Porete Mfg. Company, North Arlington, N. J. Composite prestressed concrete beam and slab structure. 2,435,998, Feb. 17.

Cumplings, James D., and M. P. Laurent, assignors to Crutcher-Rolls-Cummings Company, Houston, Tex. Pipe cleaning machine. 2,436,099, Feb. 17.

Curtis, Leon F.: See—

Krasnow, Shelley, and Curtis.

Cutler-Hammer, Inc., assignee: See—

Douglas, Louis R., and Seeger.

D'Alelio, Gaetano F., assignor to Pro-phy-lactic Brush Company, Northampton, Mass. Copolymers comprising acrylonitrile and vinyl ethers and molecularly oriented articles composed thereof. 2,436,204, Feb. 17.

Daniel, Lewis H., Annapolis, Md. Self-sealing closure for containers. 2,436,291, Feb. 17.

Dansereau, Charles E., Lakewood, assignor of one-half to H. M. Burt, Narragansett, and one-half to G. H. Burt, Cranston, R. I. Tubular lamp mounting. 2,436,250, Feb. 17.

Dean, Walter N., Larchmont, N. Y., assignor to The Sperry Corporation. Pulse generator. 2,435,958, Feb. 17.

Deardorff, C. I., Inc., assignee: See—

Deardorff, Clarence E.

Deardorff, Clarence E., Sacramento, Calif., assignor to C. E. Deardorff, Inc. Fiberboard cream separating milk container. 2,436,140, Feb. 17.

Deere & Company, assignee: See—

Silver, Walter H.

White, Charles H.

Defenbaugh, Loyd F., Oklahoma City, Okla. Severing well casings and the like in place in the well. 2,436,036, Feb. 17.

Deitz, Le Roy, and I. W. Johnson, Schenectady, N. Y., assignors to General Electric Company. Resistance welding electrode. 2,436,205, Feb. 17.

Deming, Mark A., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Self-sealing coupling. 2,436,206, Feb. 17.

De Mott, Armand, Ford, assignor to Amity Manufacturing Corp., Perth Amboy, N. J. Cylinder holder. 2,436,292, Feb. 17.

D'Entremont, Franklin R., Lynn, Mass., assignor to General Electric Company. Electric winding. 2,436,207, Feb. 17.

Dewey, Charles S., Jr., Far Hills, assignor to Shaw Insulator Company, Irvington, N. J. Apparatus for molding cored articles of organic plastic material. 2,436,065, Feb. 17.

Diamond Craft of America, Inc., assignee: See—

Ludel, Jacob.

Diamond, Louis, and M. R. Udell, Chicago, Ill. Orthopedic appliance and making the same. 2,436,164, Feb. 17.

Dickey, Joseph B.: See—

McNally, James G., and Dickey.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monazo dye containing a trifluoro acetylaminogroup. 2,436,100, Feb. 17.

Dirlam, John C., and J. I. Morris, assignors to J. I. Morris Co., Inc., Southbridge, Mass. Replaceable optical temple cover. 2,436,101, Feb. 17.

Disston, Henry, & Sons, assignee: See—

Graft, William H.

Dittmar, Harry R.: See—

Larson, Alfred T., Loder, and Dittmar.

Doble, Edward J., and A. F. Raymond, Robbinsdale, Minn. Disintegrator drilling device. 2,436,251, Feb. 17.

Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical control apparatus. 2,436,293, Feb. 17.

Dominion Merchants Company Limited, assignee: See—

McDowell, Creighton J.

Doney, William A., Portland, Oreg. Structural addition member for converting single pane window sashes into double pane sashes. 2,436,037, Feb. 17.

Douglas, Louis R., and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controllers. 2,436,102, Feb. 17.

Dow Chemical Company, The, assignee: See—

Cardwell, Paul H., and Eilers.

Downs, Alfred Buckingham, Jr., Columbus, Miss. Calculating device. 2,436,352, Feb. 17.

Dressel, Henry M., assignor to Stackpole Carbon Company, St. Marys, Pa. Condenser. 2,436,208, Feb. 17.

Drew, Robert D.: See—

Eastwood, Sylvander C., and Drew.

Dreyfus, Henry, deceased, London, and J. H. Rooney and E. Shaw, Spondon, near Derby, England; C. Bonard, administrator, assignors to Celanese Corporation of America. Production of molding powder from a lower aliphatic ester of cellulose. 2,435,999, Feb. 17.

Du Mont, Allen B., Laboratories, Inc., assignee: See—

Pohle, Eric, Rutledge, and Lempert.

Duncan, Lane, Los Angeles, Calif. Grinding apparatus and process. 2,436,252, Feb. 17.

Dunlop, Richard D., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Composition comprising a polyvinyl acetal resin stabilized with a basic alkali metal compound and an amine salt. 2,436,253, Feb. 17.

Du Pont, E. I., de Nemours & Company, assignee: See—

Barrick, Paul L., and Christ.

Bartlett, Edward P., and Duus.

Bennet, Harry L., and Bair.

Blawell, Charles B.

Brondyke, F., and Monier.

Brooks, Richard E.

Cadot, Henry M., and Clark.

Cairns, Theodore L., and McQueen.

Callan, James A.

Cole, Paul M.

Goebel, Max T.

Hanford, William E., and Salzberg.

Harmon, Jesse.

Hill, Frederick B., Jr.

Hohn, Harvey H.

Howk, Benjamin W., and Jacobson.

Joyce, Robert M., Jr.

Larson, Alfred T., Loder, and Dittmar.

Neal, Arthur M., and Verbanc.

Scott, Samuel L.

Signalgo, Frank K.

Smith, Albert F.

Upson, Robert W.

Weber, Arthur G., and Bell.

Durfee, Olive: See—

Adam, John N., Jr., and Durfee.

Duus, Hans C.: See—

Bartlett, Edward P., and Duus.

Dyer, John N.: See—

Goldmark, Peter C., and Dyer.

Eaby, Le Roy, assignor to Armstrong Cork Company, Lancaster, Pa. Temperature control means for calender rolls. 2,435,959, Feb. 17.

Eastman Kodak Company, assignee: See—

Amering, Charles F.

Dickey, Joseph B.

Egan, John F.

Matthews, Irving C., and Lynch.

McNally, James G., and Dickey.

Meyer, Lester W. A., and Gearhart.

Scull, Herbert G., and McNally.

Weissberger, Arnold, Kibler, and Porter.

Eastwood, Sylvander C., Woodbury, and R. D. Drew, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process and apparatus for the thermal cracking of hydrocarbons. 2,436,254, Feb. 17.

Eaton Laboratories, Inc., assignee: See—

Stillman, William B., and Scott.

Economy Pumps, Inc., assignee: See—

Buhler, Walter.

Egan, John F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic recording equipment. 2,436,103, Feb. 17.

Ehardt, John H., assignee: See—

Sklenar, Wenzeslaw F.

Eilers, Louis H.: See—

Cardwell, Paul H., and Eilers.

Elinson-Freeman Co., Inc., assignee: See—

Horr, John V.

Elgin, Joseph C., Princeton, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Extraction of polyhydric alcohols. 2,436,209, Feb. 17.

Emil Greiner Company, The, assignee: See—

Bader, Joseph P.

Epelberg, Jack: See—

Pfeffer, Edward C., Jr., and Epelberg.

Fairchild Engine and Airplane Corporation, assignee: See—

Whitfield, Marshall G.

Farrell, Roy B., Buffalo, N. Y. Smoke fume and gas ejector apparatus. 2,436,036, Feb. 17.

Favre, Marcel, Wettingen, assignor to "Patelhold" Patent-verwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Transmitter with anode voltage modulation. 2,436,066, Feb. 17.

Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Magnetic field gradient measurement. 2,436,039, Feb. 17.

Fisher, Alken W., and W. B. Warren, assignors to Fisher Scientific Company, Pittsburgh, Pa. Photoelectric apparatus for spectrographic analysis. 2,436,104, Feb. 17.

Fisher Scientific Company, assignee: See—Fisher, Alken W., and Warren.

Fisler, William O., Normandy, assignor to Spinner & Kennedy Stationery Co., St. Louis, Mo. Suspended pocket. 2,436,105, Feb. 17.

Fleming, Gilbert J., Marion, Ohio. Towing apparatus. 2,436,000, Feb. 17.

Fonda, Harold H., Skaneateles, assignor to Nye-Walt Company, Inc., Auburn, N. Y. Tension regulator and equalizer for pile fabric looms. 2,436,067, Feb. 17.

Forkish, Leonard A., New York, N. Y. Child's outer garment. 2,436,165, Feb. 17.

Friden Calculating Machine Co., Inc., assignee: See—Machado, Anthony B.

Friedman, Henry, Chicago, Ill. Saliva ejector and retractor. 2,436,040, Feb. 17.

Fry, Douglas J.: See—Kendall, John D., and Fry.

Fuhrer, Charles: See—Fuhrer, Fred and C.

Fuhrer, Fred, Geneva, and C. Fuhrer, Uniondale, Ind. Coupling pin. 2,436,210, Feb. 17.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Radio detecting and range finding systems. 2,435,960, Feb. 17.

Gaines, John M., Jr., Buffalo, N. Y., assignor to The Linde Air Products Company. Thermally working mineral and like masses. 2,436,001, Feb. 17.

Garrett Corporation, The, assignee: See—Snedecor, Frank E.

Gaydos, Stephen, Jr., Gary, Ind. Tape cutting attachment for spools. 2,436,166, Feb. 17.

Gearhart, William M.: See—Meyer, Lester W. A., and Gearhart.

Gelgy, J. R., A. G., assignee: See—Martin, Henry, Gysin, Neracher, and Hirt.

Gelco Development Corporation, assignee: See—Gelpke, Karl A.

Gelpke, Karl A., Edgefield, S. C., assignor to Gelco Development Corporation, Canton, Mass. Shuttle. 2,436,356, Feb. 17.

General Electric Company, assignee: See—Bilodeau, Wilfred J.

Boehne, Eugene W.

Boisseau, Alexander C., and Bold.

Bush, Ralph R.

Choudhury, Shafi-Uddin A., Clark, and Magga.

Cress, Jay J.

Creever, Frederick E.

Deltz, Le Roy, and Johnson.

D'Entremont, Franklina R.

Fyler, George W.

Kelifer, Lawrence R.

Marsden, James, and Roedel.

Ogle, Hugh M.

Timmerman, Julius W., Jr.

General Motors Corporation, assignee: See—Hindall, Alva L.

Gerber, Isidor, assignee: See—Primus, Irving.

Gerhold, Clarence G., and J. E. Burgess, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,436,041, Feb. 17.

Gibbons, Donald R., Belmar, and H. L. Chaney, Red Bank, N. J. Regulator circuit. 2,435,961, Feb. 17.

Glatstein, Byrdie, Muscatine, Iowa. Infant's convertible bed and seat. 2,436,294, Feb. 17.

Gleason Works, assignee: See—Wildhaber, Ernest.

Glover, Bill, Incorporated, assignee: See—Glover, William C., Jr.

Glover, William C., Jr., Kansas City, Mo., assignor to Bill Glover Incorporated. Holding device for finishing machines. 2,436,255, Feb. 17.

Gochenour, Carl I., and G. D. Kyker, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Fluorination of hexachlorobutadiene. 2,436,357, Feb. 17.

Goebel, Max T., Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dialkyl esters of long-chain alkylphosphonates. 2,436,141, Feb. 17.

Goldberg, David N., Wheeling, W. Va. Rivet buckler tool. 2,436,295, Feb. 17.

Goldmark, Peter C., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,435,963, Feb. 17.

Goldmark, Peter C., New York, N. Y., and J. N. Dyer, Stamford, Conn., assignors to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,435,962, Feb. 17.

Goldstein, Aaron A., assignor to Coat Craft Company, Philadelphia, Pa. Child's garment. 2,436,106, Feb. 17.

Gosselin, Anthony J., Eureka, Calif. Axially operating-type tire and rim separating machine. 2,436,003, Feb. 17.

Gottwald, Donald, assignee: See—Clark, James.

Graft, William Hastings, assignor to Henry Dieston & Sons, Philadelphia, Pa. Pulpwood saw frame. 2,435,964, Feb. 17.

Graybill, Howard W., and P. Olsson, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,436,296, Feb. 17.

Gregory, James, Woking, England. Parachute harness. 2,436,167, Feb. 17.

Gregory, Sherlie E., Aurora, Ill. Sheet feeding mechanism. 2,436,168, Feb. 17.

Greubel, Paul W.: See—Wolfe, Herbert J., and Greubel.

Guarnaschelli, Vincent, Corona, N. Y. Bottle cap. 2,436,297, Feb. 17.

Gunderson, Clo K., assignee: See—Gunderson, Ralph R.

Gunderson, Ralph R., Chicago, Ill., assignor to C. K. Gunderson. Tripod support for signal flares. 2,436,298, Feb. 17.

Gysin, Hans: See—Martin, Henry, Gysin, Neracher, and Hirt.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Dishwasher. 2,436,169, Feb. 17.

Hakken, William T., Jr.: See—Twynning, Robert V., and Hakken.

Hall, Samuel A., North Canton, Ohio. Saw treating and grinding machine. 2,436,004, Feb. 17.

Hanford, William E., Easton, Pa., and P. L. Salzberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing ethylene. 2,436,256, Feb. 17.

Haniquet, George, Glendale, Calif. Positive feed food chopper. 2,436,107, Feb. 17.

Hansen Manufacturing Company Incorporated, assignee: See—Hansen, William L., and Manson.

Hansen, William L., and H. G. Manson, assignors to Hansen Manufacturing Company Incorporated, Princeton, Ind. Motor terminal binding post. 2,436,042, Feb. 17.

Hansford, Rowland C., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,436,257, Feb. 17.

Harmon, Cletus L.: See—Tierney, William J., Harmon, and Villemare.

Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfluorocyclobutenes. 2,436,142, Feb. 17.

Hart, John, Tacoma, Wash. Apparatus for producing drop shot. 2,436,211, Feb. 17.

Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical motor control apparatus. 2,435,965, Feb. 17.

Hastings Manufacturing Company, assignee: See—Phillips, Harold P.

Hastings, Russell, Jr., Wellesley, assignor to Lewis-Shepard Company, Watertown, Mass. Industrial platform. 2,436,358, Feb. 17.

Haynes, Leslie W., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Form turning tool mechanism. 2,436,258, Feb. 17.

Heftler, Paul, Windsor, Ontario, Canada. Metal-edge filter stack. 2,436,108, Feb. 17.

Hegy, Louis, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Follow-up motor control system. 2,436,068, Feb. 17.

Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Oil gauge. 2,436,212, Feb. 17.

Henry, Innes, administrator: See—Taylor, Ivan M.

Hepting, George H., Asheville, N. C., assignor to the United States of America, as represented by the Secretary of Agriculture. Stimulation of production of oleoresins and gums in coniferous trees. 2,436,359, Feb. 17.

Herreshoff, Alexander G., Grosse Pointe, and A. R. Houk, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Engine and making parts thereof. 2,436,043, Feb. 17.

Hill, Boyd N., Baytown, Tex., assignor to Standard Oil Development Company. Finishing of aviation naphthas. 2,436,170, Feb. 17.

Hill, Frederick B., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic rubber-like materials comprising fluoroprene. 2,436,213, Feb. 17.

Hindall, Alva L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Storage battery plate paste expander. 2,436,299, Feb. 17.

Hirt, Rudolf: See—Martin, Henry, Gysin, Neracher, and Hirt.

Hoehn, Harvey H., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of fluoroalkanes. 2,436,143, Feb. 17.

Hollywood-Maxwell Co., assignee: See—Bowen, Joseph R.

Hooker Electrochemical Company, assignee: See—Gochenour, Carl I., and Kyker.

Sconce, James S., and Johnson.

Hoover Company, The, assignee: See—Acheson, Louis K.

Hopps, Bernard, and C. J. Smithells, assignors to Lodge Plugs Limited, Rugby, England. Electrical insulators and producing the same. 2,436,005, Feb. 17.

Horeczy, Joseph T.: See—Wadley, Edward F., Horeczy.

Horr, John V., North Tarrytown, assignor to Elinson-Freeman Co., Inc., Long Island City, N. Y. Collapsible cardboard counter basket. 2,436,300, Feb. 17.

Houk, Addison R.: See—Herreshoff, Alexander G., and Houk.

Howe, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,436,171, Feb. 17.

Hawk, Benjamin W., Wilmington, Del., and R. A. Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl fluoracetates and polymers derived therefrom. 2,436,144, Feb. 17.

Hudash, Bruno J., Chicago, Ill. Article holder. 2,436,044, Feb. 17.

Hultquist, Martha E., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-amino-5-chloropyrimidine. 2,436,360, Feb. 17.

Hussmann Refrigerator Co., assignee: See—Morgan, Herbert W.

Hutchison, William M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pantograph and motor control system. 2,436,301, Feb. 17.

Hyde, Merritt A., and R. E. Marbury, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current motor starting by means of capacitors. 2,436,302, Feb. 17.

Iford Limited, assignee: See—Kendall, John D., and Fry.

Imperial Chemical Industries Limited, assignee: See—Mendoza, Mordecai.

Industrial Rayon Corporation, assignee: See—MacLaurin, Robert D.

International Business Machines, assignee: See—Tholstrup, Henry L.

Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control apparatus for motors. 2,435,966, Feb. 17.

Ivy, Joe G.: See—Wrathall, John R., and Ivy.

Jack & Heintz, Precision Industries, Inc., assignee: See—Heintz, Ralph M.

Jacobs, E. H., Mfg. Co. Inc., assignee: See—Bullard, W. Irving.

Jacobson, Ralph A.: See—Hawk, Benjamin W., and Jacobson.

Jacques Krelaser Manufacturing Corporation, assignee: See—O'Larte, Rudolph, and Vollet.

Jenni, Arthur, Twain-Harte, assignor of one-half to J. C. McCandless, San Francisco, Calif. Cigarette snuffer. 2,436,303, Feb. 17.

Jernstedt, George W.: See—Lum, John C., and Jernstedt.

Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bright alloy plating. 2,435,967, Feb. 17.

Johannson, Oscar K., assignor to Corning Glass Works, Corning, N. Y. Method of preparing base members for dyeing. 2,436,304, Feb. 17.

Johns-Manville Corporation, assignee: See—Miller, Morrow C.

Johnson, Arnold N.: See—Sconce, James S., and Johnson.

Johnson, Frank H., Princeton, N. J., assignor to United States of America, as represented by the Secretary of War. Nephelometer for assaying penicillin. 2,436,145, Feb. 17.

Johnson, Gordon, Company, assignee: See—Johnson, Gordon W.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry plucking machine. 2,436,214, Feb. 17.

Johnson, Ivar W.: See—Deltz, Le Roy, and Johnson.

Johnson, John S., Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Corona elimination in generator end-windings. 2,436,306, Feb. 17.

Johnson-March Corporation, The, assignee: See—Kleinicke, Werner E.

Johnson, Theodore B., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 2,436,305, Feb. 17.

Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oils and greases obtained by pyrolysis of tetrafluoroethylene-olefin copolymers. 2,436,069, Feb. 17.

Kaiser, Frederick, Elkins Park, Pa., assignor to Better-Bilt Door Company, Egg Harbor, N. J. Overhead door. 2,436,006, Feb. 17.

Kalix, John, Dayton, Ohio. Mechanism for controlling hydraulic flow. 2,435,968, Feb. 17.

Kelifer, Lawrence R., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp base. 2,436,259, Feb. 17.

Kendall, John D., and D. J. Fry, assignors to Iford Limited, Iford, England. Dye intermediates for colour photography. 2,436,007, Feb. 17.

Kent, Raymond C., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic tuning control for radio systems and the like. 2,436,172, Feb. 17.

Kibler, Charles J.: See—Weissberger, Arnold, Kibler, and Porter.

King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controller. 2,436,308, Feb. 17.

Kinn, Theodore P., and D. R. Tashjian, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit regulator. 2,436,307, Feb. 17.

Kleinicke, Werner E., Manhasset, assignor to The Johnson-March Corporation, New York, N. Y. Composition of matter. 2,436,146, Feb. 17.

Klenk, Karl J., Wilmington, Del. Pruning shears and the like. 2,436,260, Feb. 17.

Kline, John E., Grosse Point Farms, assignor to Micro-matic Hone Corporation, Detroit, Mich. Stone assembly for honing tools. 2,436,215, Feb. 17.

Knapp, John, Holland, Mich. Fruit gatherer. 2,436,173, Feb. 17.

Koebel, Norbert K., Oak Park, assignor to Lindberg Engineering Company, Chicago, Ill. Gas generator. 2,436,309, Feb. 17.

Kollman, Alexander A., Los Angeles, Calif. Fishing bait holder. 2,436,109, Feb. 17.

Krasnow, Shelley, Arlington, Va., and L. F. Curtis, Montgomery County, Md. Signalling system for radioactive well logging. 2,436,008, Feb. 17.

Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Thermal compensator for hydraulic systems. 2,436,009, Feb. 17.

Kundiger, Donald G.: See—Spence, Le Roy U., Butterbaugh, and Kundiger.

Kyker, Glendon D.: See—Gochenour, Carl I., and Kyker.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Plastic compositions of matter. 2,436,361, Feb. 17.

Lacey, Harold T., Plainfield, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Aminophthalimides. 2,436,362, Feb. 17.

Lackner, Emma H., assignee: See—Lackner, Ralph J.

Lackner, Ralph J., assignor to E. H. Lackner, Richmond Hill, N. Y. Swinging scaffold. 2,435,969, Feb. 17.

Lakin, Wilford P.: See—Ogorzaly, Henry J., and Lakin.

Lamarche, Napoleon, Lowell, Mass. Shuttle check. 2,436,310, Feb. 17.

Larsen, Robert G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Electric cable impregnated with tertiary alkyl naphthalenes. 2,436,110, Feb. 17.

Larson, Alfred T., D. J. Loder, and H. B. Dittmar, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of n,n' ethylenurea. 2,436,311, Feb. 17.

Lassa, Frank J., Chicago, Ill. Closet bend collar connection. 2,436,070, Feb. 17.

Laurent, Milton P.: See—Cummings, James D., and Laurent.

Leatherman, Earl W., Akron, Ohio. Flame proofing compositions. 2,436,216, Feb. 17.

Lebedeff, Yuri E., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering metallic tin and antimony-tin alloy from Sb-Sn-As bearing materials. 2,436,010, Feb. 17.

LeClair, Camille C. S., Acton, London, England. Pressure responsive valve. 2,436,147, Feb. 17.

Leinheiser, William J., Washington, D. C. Tray for parallel arm drafting machines. 2,436,045, Feb. 17.

Lemmon, Norman E., and F. W. Schuessler, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Emulsifiable soluble oil compositions. 2,436,046, Feb. 17.

Lempert, Irving E.: See—Pohle, Eric, Rutledge, and Lempert.

Lesavoy, Isadore L., Allentown, Pa. Closure device and method of making same. 2,436,312, Feb. 17.

Lesavoy, Isadore L., Allentown, Pa. Shoe tree. 2,436,313, Feb. 17.
 Lesavoy, Isadore L., Allentown, Pa. Garment hanger. 2,436,314, Feb. 17.
 Lewis, Frank M., Weston, Mass., assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y. Free piston engine pressure control means. 2,435,970, Feb. 17.
 Lewis-Shepard Company, assignee: See—
 Hastings, Russell, Jr.
 Liberatore, Gustavo D., New York, N. Y. Door mat with scraper and removable brush. 2,436,315, Feb. 17.
 Lima-Hamilton Corporation, assignee: See—
 Lewis, Frank M.
 Lindahl, Stanley E., assignee, et al.: See—
 Burke, James D., and Crooks.
 Lindberg Engineering Company, assignee: See—
 Koebel, Norbert K.
 Linde Air Products Company, The, assignee: See—
 Gaines, John M., Jr.
 Williams, Virgil C.
 Lloyd Products Company, The, assignee: See—
 Richardson, Arthur A.
 Lockov, Harold, Berkeley, Calif. Electrical connector. 2,436,217, Feb. 17.
 Loder, Donald J.: See—
 Larson, Alfred T., Loder, and Dittmar.
 Lodge Plugs Limited, assignee: See—
 Hoppe, Bernard, and Smithells.
 Lowe, Clarence W., Tacoma, Wash. Trimming and grooving machine. 2,436,111, Feb. 17.
 Lucas, David H., Knoxville, Tenn. Vacuum leaf pickup pulverizer. 2,436,011, Feb. 17.
 Ludel, Jacob, assignor to Diamond Craft of America, Inc., New York, N. Y. Gem dop. 2,435,971, Feb. 17.
 Lum, John C., Union, and G. W. Jernstedt, Belleville, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bright alloy plating. 2,436,316, Feb. 17.
 Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Pipe tong support. 2,435,972, Feb. 17.
 Lynch, William F.: See—
 Matthews, Irving C., and Lynch.
 Machado, Anthony B., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Latch operated positive clutch mechanism. 2,436,112, Feb. 17.
 MacLaurin, Robert D., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Textile product and process. 2,436,219, Feb. 17.
 MacTaggart, Arthur B., Toledo, and G. J. Thomson, assignors to Rusta Restor Corporation, Fremont, Ohio. Method of and means for providing cathodic protection of metallic structures. 2,435,973, Feb. 17.
 Maggs, Arthur H.: See—
 Choudhury, Shafi-Uddin A., Clar, and Maggs.
 Main, David W., Denver, Colo. Airplane propeller. 2,436,113, Feb. 17.
 Malcolm, Wade E., Orlando, Fla. Concentrating by freezing liquid fruit juice. 2,436,218, Feb. 17.
 Manjoline, Michael J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Testing apparatus for determining the mechanical behavior of metals under test. 2,436,317, Feb. 17.
 Manning, Maxwell & Moore, Inc., assignee: See—
 Smith, Ralph E., and Workman.
 Manog, John C.: See—
 Sepavich, Victor F., and Manog.
 Manson, Harry G.: See—
 Hansen, William L., and Manson.
 Marbury, Ralph E.: See—
 Hyde, Merritt A., and Marbury.
 Maree, A. Morgan, Jr., assignee, et al.: See—
 Burke, James D., and Crooks.
 Marsden, James, and G. F. Roedel, Schenectady, N. Y., assignors to General Electric Company. Dimethyl silicone elastomers containing lead monoxide. 2,436,220, Feb. 17.
 Martin, Henry, H. Gysin, and O. Neracher, Basel, and R. Hirt, Riehen, assignors to J. R. Geley A. G., Basel, Switzerland. P-aminobenzene sulfonamides. 2,435,974, Feb. 17.
 Martin, Philip W., Huntington Park, Calif. Tool indicator. 2,436,047, Feb. 17.
 Marvel, Carl S., Urbana, Ill. Aminoamide resins. 2,436,368, Feb. 17.
 Mathieson Alkali Works, Inc., The, assignee: See—
 Aston, Royden N.
 Matthews, Irving C., and W. F. Lynch, assignors to Eastman Kodak Company, Rochester, N. Y. Composition of terpinene-maleic anhydride, hydrogenated coumarone-indene resin, and polystyrene. 2,436,048, Feb. 17.
 Matulatis, Victor E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,436,071, Feb. 17.
 Matulatis, Victor E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combined accessory drive and torque impulse neutralizer. 2,436,072, Feb. 17.
 Maurer, J. A., Inc., assignee: See—
 Maurer, John A., Jr.
 Maurer, John A., Jr., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Impulse recording optical system. 2,436,148, Feb. 17.
 Maxson, Roland H., assignor to The Burdick Corporation, Milton, Wis. Resonant circuit assembly. 2,436,114, Feb. 17.
 McCandless, James C.: See—
 Jenni, Arthur.
 McDonough, John J., Belmont, assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine. 2,436,318, Feb. 17.
 McDowell, Creighton J., Westmount, assignor to Dominion Merchants Company Limited, St. Laurent, Quebec, Canada. Explosive sealing heads for containers. 2,436,364, Feb. 17.
 McGill, Chester T., Elgin, Ill. Fluid conditioning tank containing conditioning material and a receptacle there-within containing different conditioning material. 2,435,975, Feb. 17.
 McKechnie, Hazel: See—
 Trokie, Sylvia, and McKechnie.
 McNally, James G.: See—
 Scull, Herbert G., and McNally.
 McNally, James G., Oak Ridge, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds. 2,436,115, Feb. 17.
 McQueen, David M.: See—
 Cairns, Theodore L., and McQueen.
 Meadows, Marshall F., New Orleans, assignor of one-half to V. M. Musmeche, New Iberia, La. Ash tray. 2,436,012, Feb. 17.
 Mehrtens, John E., San Francisco, Calif. Plug attachment for electric cords. 2,436,221, Feb. 17.
 Mendoza, Mordcael, Manchester, England, assignor to Imperial Chemical Industries Limited. Monoazo dye. 2,436,013, Feb. 17.
 Menshik, Nicholas, Summit, N. J., assignor to Standard Oil Development Company. Extraction of a diolefin. 2,436,149, Feb. 17.
 Mercey-Johnson Machine Company, assignee: See—
 Bolling, Oscar S.
 Messier, Joseph A. A., Northfield, Vt. Circularly swung captive glider. 2,436,014, Feb. 17.
 Metzger, Melvin R., Cincinnati, Ohio. Match. 2,436,049, Feb. 17.
 Meyer, Lester W. A., and W. M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic acid ester plastic containing resorcinol monobenzoate. 2,436,116, Feb. 17.
 Meyer, Peter A. R., College Point, N. Y. Carburetor. 2,436,319, Feb. 17.
 Micromatic Hone Corporation, assignee: See—
 Kline, John E.
 Miller, Donald L., Chemung County, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter drive. 2,436,261, Feb. 17.
 Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter. 2,436,365, Feb. 17.
 Miller, J. C., Company, assignee: See—
 Twynning, Robert V., and Hakken.
 Miller, Morrow C., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Apparatus for measuring turbidity photoelectrically. 2,436,262, Feb. 17.
 Millington, John W.: See—
 Stewart, William H., and Millington.
 Mills Industries, Incorporated, assignee: See—
 Bendfelt, Herbert A.
 Mills, John S.: See—
 Samiran, David, and Mills.
 Miner, George A., Manchester, N. H., assignor to United Shoe Machinery Corporation, Flemington, N. J. Platform type shoe and making same. 2,436,050, Feb. 17.
 Miner, John D., Jr., and J. E. Mulheim, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamolectric machine. 2,436,320, Feb. 17.
 Minerals and Metals Corporation, assignee: See—
 Westling, Carl J.
 Minneapolis-Honeywell Regulator Company, assignee: See—
 Hartig, Henry E.
 Isserstedt, Siegfried G.
 Mixon, Lawson W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,436,051, Feb. 17.
 Moehle, Frederick W., assignor to V. H. Blackinton & Co., Attleboro Falls, Mass. Insignia holding device. 2,436,150, Feb. 17.
 Moline, Carl R., Homewood, assignor to American Steel Foundries, Chicago, Ill. Brake beam. 2,436,263, Feb. 17.
 Monagin, Eugene L., U. S. Navy, Uvalde, Tex. Shoe sole with curved ground-contacting face. 2,435,976, Feb. 17.
 Monier, Joseph A., Jr.: See—
 Brondyke, Willis F., and Monier.
 Monsanto Chemical Company, assignee: See—
 Dunlop, Richard D.
 Kyrdes, Lucas P.

Morgan, Herbert W., Webster Groves, Mo., assignor to Hussmann Refrigerator Co. Sectional frozen food locker plant. 2,436,117, Feb. 17.
 Morgan, Mathew E., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Actuator assembly for brake mechanism. 2,435,977, Feb. 17.
 Morris, J. I., Co., Inc., assignee: See—
 Diriam, John C., and Morris.
 Morris, John I.: See—
 Diriam, John C., and Morris.
 Morris, Joseph M., San Bernardino, Calif. Cigarette rolling device. 2,436,015, Feb. 17.
 Morton, Rose H., New York, N. Y. Umbrella rib tip. 2,436,321, Feb. 17.
 Morway, Arnold J.: See—
 Zimmer, John C., and Morway.
 Mowat, John H., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Synthesis of substituted pteridina. 2,436,073, Feb. 17.
 Mowat, John H., and J. H. Boothe, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Preparing carboxypyrimido pyrazines. 2,436,074, Feb. 17.
 Mueller, Erich O., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ventilation of dynamoelectric machines. 2,436,322, Feb. 17.
 Mueller, William L., La Grange, and C. R. Skarin, Western Springs, Ill., assignors to The Peterson Oven Company. Loading device for baking ovens. 2,436,052, Feb. 17.
 Mulheim, Joseph E.: See—
 Miner, John D., Jr., and Mulheim.
 Mundahl, Thomas J., North Branch, Ontario, Canada. Cordwood pulp tongs. 2,436,053, Feb. 17.
 Murray Corporation of America, The, assignee: See—
 Haberstump, Alfred H.
 Musmeche, Vincent M., assignee: See—
 Meadows, Marshall F.
 Myers, Henry C.: See—
 Pakala, William E., and Myers.
 Myers, Mahlon C., Takoma Park, Md. Game projectile. 2,436,174, Feb. 17.
 Myers, Rufus A., Chicago, Ill. Tank cap lock. 2,436,016, Feb. 17.
 National Dairy Research Laboratories, Inc., assignee: See—
 Weisberg, Samuel M., and Stimpson.
 National-Standard Company, assignee: See—
 Pierce, Robert C.
 Neal, Arthur M., Wilmington, and J. J. Verbanc, Tuxedo Park, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive cement compositions. 2,436,222, Feb. 17.
 Neal, Ernest C., assignor, by mesne assignments, to himself and E. Brandell, Chicago, Ill. Automatic firearm. 2,436,175, Feb. 17.
 Neal, William E., Houston, Tex. Gun perforator. 2,436,118, Feb. 17.
 Neracher, Otto: See—
 Martin, Henry, Gysin, Neracher, and Hirt.
 Neuber, Herbert K., assignee: See—
 Weathers, Paul.
 Newcomer, Everett J., Kew Gardens, assignor to City Vending Equipment Corp., Maspeth, Long Island, N. Y. Product vending machine. 2,436,223, Feb. 17.
 Newkirk, Thomas A., Fairfield, Ohio. Coaxial switch. 2,435,978, Feb. 17.
 North American Aviation, Inc., assignee: See—
 Torresen, Carel T.
 Norello, Joseph, San Francisco, Calif. Machine for molding concrete slabs. 2,436,176, Feb. 17.
 Nye-Wait Company, Inc., assignee: See—
 Fonda, Harold H.
 Nygard, Erick A., Woonsocket, R. I. Button back. 2,436,323, Feb. 17.
 Ogle, Hugh M., Schenectady, N. Y., assignor to General Electric Company. Differential electromagnet having snap action. 2,436,224, Feb. 17.
 Ogorzaly, Henry J., Summit, and W. P. Lakin, Elizabeth, N. J., assignors to Standard Oil Development Company. Apparatus for contacting solids with gaseous fluids. 2,436,225, Feb. 17.
 Ohio Brass Company, The, assignee: See—
 Birch, Leland W.
 Bovard, William P.
 O'Kelly, Arlie A., Woodbury, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of aromatic hydrocarbons by contact with heat-stable metal halide catalysts. 2,436,151, Feb. 17.
 O'Larte, Rudolph, Rego Park, and G. Vollet, Freeport, N. Y., assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Electron gun for cathode-ray tubes. 2,436,264, Feb. 17.
 Olsson, Paul: See—
 Graybill, Howard W., and Olsson.
 Orban, Charles, Detroit, Mich. Dispensing pill box. 2,436,075, Feb. 17.
 Orcholl, James A.: See—
 Bessler, Edward T., and Orcholl.
 Pakala, William E., Forest Hills, and H. C. Myers, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitron firing circuit. 2,436,324, Feb. 17.
 Pangle, James R.: See—
 Smith, Chadwick P., and Pangle.
 Papa, Domenick: See—
 Schwenk, Erwin, and Papa.
 Parker, Frederick, Houston, Tex. Mattress filling box. 2,436,119, Feb. 17.
 "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., assignee: See—
 Favre, Marcel.
 Patton, Benjamin B., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Mechanical time fuse. 2,435,979, Feb. 17.
 Pendleton, Irvin, Campbellsburg, Ky. Mail crane. 2,436,226, Feb. 17.
 Penny, John K., Grosse Pointe, assignor to Spirex Broach Corporation, Detroit, Mich. Broach. 2,436,325, Feb. 17.
 Petersen Oven Company, The, assignee: See—
 Mueller, William L., and Skarin.
 Pfeiffer, David, New York, N. Y. Interchangeable jewel mounting. 2,436,120, Feb. 17.
 Pfeiffer, Edward C., Jr., and J. Epelberg, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Stabilizing against shrinkage textile materials of regenerated cellulose. 2,436,076, Feb. 17.
 Philco Corporation, assignee: See—
 Sunstein, David E.
 Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Forming piston ring elements of ribbon steel. 2,436,227, Feb. 17.
 Phillips Petroleum Company, assignee: See—
 Upham, John D., and Wolk.
 Pierce, Robert C., Niles, Mich., assignor to National-Standard Company. Winding apparatus. 2,436,326, Feb. 17.
 Pinkus, Lotte, New York, N. Y. Garment with detachable shoulder pad. 2,436,054, Feb. 17.
 Pitman, Henry L., Melbourne, Fla., assignor to Underwood Corporation. Combined typewriting and computing machine. 2,436,055, Feb. 17.
 Poble, Eric, Clifton, and J. Rutledge and I. E. Lempert, Upper Montclair, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray tube. 2,436,265, Feb. 17.
 Pommer, Arthur A., Montrose, Calif. Hydraulic brake pipe coupling. 2,436,327, Feb. 17.
 Porete Mfg. Company, assignee: See—
 Cueni, Clement P.
 Porter, Henry D.: See—
 Weissberger, Arnold, Kibler, and Porter.
 Porter, Philip K., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenol formaldehyde resin-glycinin protein emulsion. 2,436,328, Feb. 17.
 Porter, Philip K., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenol formaldehyde resin-glycinin protein emulsion. 2,436,329, Feb. 17.
 Post, Speed L., assignee, et al.: See—
 Burke, James D., and Crooks.
 Powers, John J., St. Louis, Mo. Dump trailer. 2,436,017, Feb. 17.
 Primus, Irving, Forest Hills, assignor to I. Gerber, Brooklyn, N. Y. Garment stretching and pressing machine. 2,436,121, Feb. 17.
 Prophy-lactic Brush Company, assignee: See—
 D'Alelio, Gaetano F.
 Prothro, Gardrad L., Sr., San Antonio, Tex. Folding table. 2,436,056, Feb. 17.
 Pugh, Merlin L., Minneapolis, Minn. Battery charging apparatus. 2,436,057, Feb. 17.
 Purchase, Samuel, Grand Rapids, Mich. Auto luggage carrier. 2,436,228, Feb. 17.
 Purifoy, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking system for series motors. 2,436,330, Feb. 17.
 Pyle, Marvin L., Los Angeles, Calif. Tow target exchange device. 2,435,980, Feb. 17.
 Quilter, John R. C., Woking, England. Parachute pack. 2,436,177, Feb. 17.
 Radio Corporation of America, assignee: See—
 Rajchman, Jan A.
 Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Electronic computer for transforming polar into rectilinear coordinates. 2,436,178, Feb. 17.
 Rapid Specialties Company, assignee: See—
 Wright, Clifton C.
 Rawson, Emanuel, assignor to Rite-Way Products Company, Chicago, Ill. Hot-water tank. 2,435,981, Feb. 17.
 Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for cutting material. 2,436,179, Feb. 17.
 Raymond, Aloise F.: See—
 Doble, Edward J., and Raymond.

Raytheon Manufacturing Company, assignee: *See*—
 Spencer, Percy L.
 Reaney, Maurice L., Vancouver, Wash. Photographic exposure frame. 2,436,180, Feb. 17.
 Reiber, Albert H., deceased, by E. Y. Reiber, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Recorder. 2,436,229, Feb. 17.
 Reiber, Albert H., deceased, by E. Y. Reiber, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Recorder having suppression of spacing control of printing without suppression of similar control for punching. 2,436,230, Feb. 17.
 Reiber, Emily Y., executrix: *See*—
 Reiber, Albert H.
 Remington Arms Company, Inc., assignee: *See*—
 Johnson, Theodore B.
 Slater, Raymond E.
 Wilson, Ellsworth M.
 Rhoten, Wesley T., Miami, Ohio. Fuel conditioning device. 2,436,018, Feb. 17.
 Richards, Norvin W., Brilliant, Ohio. Portable flange serrating tool. 2,436,152, Feb. 17.
 Richardson, Arthur A., East Greenwich, assignor to H. M. and G. H. Burt, doing business as The Lloyd Products Company, Providence, R. I. Lamp holder for tubular lamps. 2,436,266, Feb. 17.
 Rite-Way Products Company, assignee: *See*—
 Rawson, Emanuel.
 Robertson, Edwin A., Sandusky, Ohio, assignor, by mesne assignments, to Titeflex, Inc., Newark, N. J. Portable liquid filtering apparatus. 2,436,077, Feb. 17.
 Robinson, Robert C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase motor winding. 2,436,331, Feb. 17.
 Roedel, George F.: *See*—
 Marsden, James, and Roedel.
 Rogers, Cleveland S., Farmingdale, N. J. Double trigger safety for guns. 2,436,267, Feb. 17.
 Röhms & Haas Company, assignee: *See*—
 Spence, Le Roy U., Butterbaugh, and Kundiger.
 Rollhaus, Philip E., Scarsdale, N. Y., assignor to The United Gas Improvement Company. Rubber composition. 2,436,332, Feb. 17.
 Romec Pump Company, assignee: *See*—
 Appel, Leslie L.
 Cardillo, Joseph S.
 Rooney, James H.: *See*—
 Dreyfus, Henry, Rooney, and Shaw.
 Root, Nathan, Grand Rapids, Mich. Fur fumigating and cleaning apparatus. 2,436,333, Feb. 17.
 Rosendale, Robert W., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article support. 2,436,019, Feb. 17.
 Rosser, Charles M., Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Regenerated cellulosic pellicle. 2,436,181, Feb. 17.
 Rotsler, George F., Los Angeles, Calif. Injection molding apparatus. 2,436,122, Feb. 17.
 Rusta Restor Corporation, assignee: *See*—
 MacTaggart, Arthur B., and Thomson.
 Rutledge, Joseph: *See*—
 Pohle, Eric, Rutledge, and Lempert.
 Ryplinski, Albert B., assignor to D. C. Ryplinski, Laurelton, N. Y. Current-limiting and protective arrangement. 2,436,334, Feb. 17.
 Ryplinski, Della C., assignee: *See*—
 Ryplinski, Albert B.
 Sachanen, Alexander N.: *See*—
 Hansford, Rowland C., and Sachanen.
 Salzberg, Paul L.: *See*—
 Hanford, William E., and Salzberg.
 Samiran, David, Osborn, and J. S. Mills, Bryan, Ohio. Fuel system for aircraft. 2,435,982, Feb. 17.
 Sanmori, Roger L. J. B., Monaco, Monaco. Steering system for vehicles. 2,436,153, Feb. 17.
 Sawyer, Frank M., Miami, Fla. Sliding window. 2,436,020, Feb. 17.
 Schellens, Eugene L., Essex, assignor to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Self-starting synchronous motor. 2,436,231, Feb. 17.
 Schering Corporation, assignee: *See*—
 Schwenk, Erwin, and Papa.
 Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of liquid hydrocarbons. 2,435,963, Feb. 17.
 Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of alkyl cycloalkyl halides. 2,436,058, Feb. 17.
 Schmidling, Gilbert T., New York, N. Y. Phosphorescent resin composition. 2,436,182, Feb. 17.
 Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure compounding system. 2,436,268, Feb. 17.
 Schuessler, Frederick W.: *See*—
 Lemmon, Norman E., and Schuessler.
 Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Polyiodo diaryl aliphatic acids and process for their manufacture. 2,436,270, Feb. 17.

Seonce, James S., and A. N. Johnson, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Chlorination of hydrocarbons. 2,436,366, Feb. 17.
 Scott, Albert B.: *See*—
 Stillman, William B., and Scott.
 Scott, Lawrence B., Columbus, Ohio. Repair lock. 2,436,078, Feb. 17.
 Scott, Samuel L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alpha, omega-dicarboxylic acids. 2,436,269, Feb. 17.
 Scott & William, Incorporated, assignee: *See*—
 McDonough, John J.
 Scull, Herbert G., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Discharge printing of colored cellulose acetate fabrics with the aid of an intermediate thiocyanate treatment. 2,436,059, Feb. 17.
 Seeger, Edwin W.: *See*—
 Douglas, Louis R., and Seeger.
 Sepavich, Victor F., and J. C. Manoog, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric warp stop motion for looms. 2,436,021, Feb. 17.
 Sepavich, Victor F., and J. C. Manoog, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric loom controlling means. 2,436,022, Feb. 17.
 Sepavich, Victor F., and J. C. Manoog, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric warp stop motion for looms. 2,436,023, Feb. 17.
 Shaw, Bernard: *See*—
 Dreyfus, Henry, Rooney, and Shaw.
 Shaw Insulator Company, assignee: *See*—
 Dewey, Charles S., Jr.
 Shell Development Company, assignee: *See*—
 Fay, Charles H.
 Larsen, Robert G.
 Shetka, Adolph, guardian: *See*—
 Shetka, Robert A.
 Shetka, Robert A., ward, by A. Shetka, guardian, St. Paul, Minn. Fish lure. 2,436,232, Feb. 17.
 Shipp, Guy M., Navy Yard, S. C. System and apparatus for fuel ignition. 2,436,079, Feb. 17.
 Signaigo, Frank K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing monomeric dithioglycidol. 2,436,233, Feb. 17.
 Signalness, Alfred M., North Bend, Oreg. Ammunition dispenser. 2,436,134, Feb. 17.
 Silver, Walter H., assignor to Deere & Company, Moline, Ill. Power lift. 2,436,155, Feb. 17.
 Simmons, Jack W., Tallahassee, Fla. Bottle carrier. 2,436,271, Feb. 17.
 Simonsen, Leo M., Eugene, Oreg. Spray device for projecting molten particles. 2,436,335, Feb. 17.
 Sines, Edward, Toledo, Ohio. Curb feeler switch. 2,436,123, Feb. 17.
 Skarin, Carl R.: *See*—
 Mueller, William L., and Skarin.
 Sklenar, Wenzeslaw F., assignor of one-fourth to J. H. Ehardt, Chicago, Ill. Reverberatory furnace. 2,436,124, Feb. 17.
 Slater, Raymond E., New Rochelle, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Tool. 2,436,336, Feb. 17.
 Smith, Albert F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous composition of urea-aldehyde and hydrolyzed interpolymers of a vinyl ester. 2,436,080, Feb. 17.
 Smith, Chadwick P., and J. R. Pangle, Charlotte, N. C. Waste machine. 2,436,338, Feb. 17.
 Smith, Leander E., assignor to Continental Steel Corporation, Kokomo, Ind. Annealing furnace. 2,436,024, Feb. 17.
 Smith, Ralph E., and L. H. Workman, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Gantry structure. 2,436,337, Feb. 17.
 Smithells, Collin J.: *See*—
 Hopps, Bernard, and Smithells.
 Smedcor, Frank E., assignor to The Garrett Corporation, Los Angeles, Calif. Cabin pressure regulator. 2,436,183, Feb. 17.
 Snyder, George H. S., Woodbury, R. V. White, Pitman, J. H. Bishop, Wenonah, and J. F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,436,272, Feb. 17.
 Socolofsky, John F.: *See*—
 Snyder, George H. S., White, Bishop, and Socolofsky.
 Socony-Vacuum Oil Company, assignee: *See*—
 Eastwood, Sylvander C., and Drew.
 Hansford, Rowland C., and Sachanen.
 O'Kelly, Arlie A., and Work.
 Snyder, George H. S., White, Bishop, and Socolofsky.
 Swardloff, Will.
 Solomon, Harry, San Francisco, Calif. Game board holder. 2,436,273, Feb. 17.
 Soto, O'Herio A., Habana, Cuba. Closure for nonrefillable bottles or other containers. 2,436,081, Feb. 17.

Spence, Le Roy U., Elkins Park, and D. J. Butterbaugh, Abington, Pa., and D. G. Kundiger, San Francisco, Calif., assignors to Röhms & Haas Company, Philadelphia, Pa. Silica-zirconia catalysts and method of preparation. 2,436,125, Feb. 17.
 Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron. 2,435,984, Feb. 17.
 Sperry Corporation, The, assignee: *See*—
 Dean, Walter N.
 Varian, Russell H.
 Spinner & Kennedy Stationary Co., assignee: *See*—
 Fiesler, William O.
 Splrex Broach Corporation, assignee: *See*—
 Penny, John K.
 Stackpole Carbon Company, assignee: *See*—
 Dressel, Henry M.
 Standard Oil Company, assignee: *See*—
 Lemmon, Norman E., and Schuessler.
 Mixson, Lawson W.
 Standard Oil Development Company, assignee: *See*—
 Blanding, Forrest H.
 Hill, Boyd N.
 Menshik, Nicholas.
 Ogorzaly, Henry J., and Lakin.
 Wadley, Edward F., and Horeczky.
 Zimmer, John C., and Morway.
 Stein, Edward A., Detroit, Mich. Shoe cleaner. 2,436,234, Feb. 17.
 Steinbach, Warner, Maplewood, N. J. Safety razor and blade magazine therefor. 2,436,025, Feb. 17.
 Steinbach, Warner, Maplewood, N. J. Safety razor and blade magazine therefor. 2,436,026, Feb. 17.
 Stewart, William H., and J. W. Millington, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Electromagnetic apparatus for detecting flaws in suspended pipe. 2,435,985, Feb. 17.
 Stillman, William B., and A. B. Scott, assignors to Eaton Laboratories, Inc., Norwich, N. Y. Pharmaceutical jelly. 2,436,184, Feb. 17.
 Stimpson, Edwin G.: *See*—
 Weisberg, Samuel M., and Stimpson.
 Stout, George P., Baltimore, Md., assignor to The Coca-Cola Company, Wilmington, Del. Improving mix and drying exterior of bottles. 2,436,082, Feb. 17.
 Sun Oil Company, assignee: *See*—
 Stewart, William H., and Millington.
 Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Recording apparatus. 2,436,235, Feb. 17.
 Super, Ralph K.: *See*—
 Buckendale, Lawrence R., and Super.
 Swardloff, Will, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Isomerization process. 2,436,367, Feb. 17.
 Sylvania Electric Products Inc., assignee: *See*—
 Cadenas, Fernando J.
 Tashjian, David R.: *See*—
 Kinn, Theodore P., and Tashjian.
 Taurman, Alphonso, Birmingham, Ala. Bottle crate. 2,436,236, Feb. 17.
 Taylor, Ivan M., deceased; I. Henry, administrator, Boston, Mass. Antifouling device. 2,435,986, Feb. 17.
 Taylor, Owen L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic relay. 2,436,339, Feb. 17.
 Teletype Corporation, assignee: *See*—
 Reiber, Albert H.
 Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for recording or transmitting intelligence. 2,436,126, Feb. 17.
 Thomson, George J.: *See*—
 MacTaggart, Arthur B., and Thomson.
 Tierney, William J., C. L. Harmon, and F. W. A. Villemure, assignors to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of S. B. and J. T. Atwood. Automobile door latch mechanism. 2,435,987, Feb. 17.
 Timken-Detroit Axle Company, The, assignee: *See*—
 Buckendale, Lawrence R., and Super.
 Morgan, Mathew B.
 Timmerman, Julius W., Jr., Springfield, Pa., assignor to General Electric Company. Electric circuit breaker. 2,436,191, Feb. 17.
 Titeflex, Inc., assignee: *See*—
 Robertson, Edwin A.
 Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Explosion-proof swivel pipe joint. 2,436,127, Feb. 17.
 Torresen, Carel T., Santa Monica, assignor to North American Aviation, Inc., Inglewood, Calif. Expandable rivet. 2,436,185, Feb. 17.
 Trokle, Sylvia, and H. McKechnie, New York, N. Y. Paper garment and method of making same. 2,436,060, Feb. 17.
 Twynning, Robert V., and W. T. Hakken, Jr., assignors to J. C. Miller Company, Grand Rapids, Mich. Buffing compound. 2,436,128, Feb. 17.

Udell, Maurice R.: *See*—
 Diamond, Louis, and Udell.
 Underwood Corporation, assignee: *See*—
 Pitman, Henry L.
 Union Switch & Signal Company, The, assignee: *See*—
 Dodd, Arthur E.
 United Gas Improvement Company, The, assignee: *See*—
 Rollhaus, Philip E.
 United Shoe Machinery Corporation, assignee: *See*—
 Miner, George A.
 Universal Oil Products Company, assignee: *See*—
 Gerhold, Clarence G., and Burgess.
 Schuerling, Louis.
 Upham, John D., and I. L. Wolk, Bartlesville, Okla., assignors to Phillips Petroleum Company. Conversion of hydrocarbons using moving catalysts. 2,436,340, Feb. 17.
 Upon, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of shaped objects, filaments, and the like. 2,436,156, Feb. 17.
 Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Aircraft landing system. 2,435,988, Feb. 17.
 Verbanc, John J.: *See*—
 Neal, Arthur M., and Verbanc.
 Villemure, Fred W. A.: *See*—
 Tierney, William J., Harmon, and Villemure.
 Vollet, George: *See*—
 O'Leary, Rudolph, and Vollet.
 Vonada, Edwin E., Duquesne, and W. E. Winterhalter, Dravosburg, Pa. Apparatus for controlling the electric heating of continuous metallic articles. 2,436,027, Feb. 17.
 Wadley, Edward F., and J. T. Horeczky, Baytown, Tex., assignors to Standard Oil Development Company. Interpolymerization of olefins. 2,436,238, Feb. 17.
 Wagner Electric Corporation, assignee: *See*—
 Schnell, Steve.
 War, United States of America, as represented by the Secretary of, assignee: *See*—
 Johnson, Frank H.
 Patton, Benjamin B.
 Warren, William B.: *See*—
 Fisher, Alken W., and Warren.
 Waterbury Farrel Foundry and Machine Company, The, assignee: *See*—
 Wilcox, Richard L.
 Waters, Harry F., New York, N. Y. Liquidproof lined carton and blank for forming the same. 2,436,061, Feb. 17.
 Watt, Collin S., Buffalo, N. Y. Bearing. 2,436,274, Feb. 17.
 Wenthers, Paul, Haddon Heights, N. J., assignor to H. K. Neuber, Philadelphia, Pa. Oscillator. 2,436,129, Feb. 17.
 Weber, Arthur G., and C. D. Bell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of aminoacetoneitrile to ethylene diamine. 2,436,368, Feb. 17.
 Webster, George C., Washington, D. C. Cable connecting device. 2,435,989, Feb. 17.
 Weller, Robert E., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine lubricating oil cooling and air inlet deicing system. 2,435,990, Feb. 17.
 Weisberg, Samuel M., and E. G. Stimpson, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Method of preparing casein adhesives. 2,436,239, Feb. 17.
 Weisberger, Arnold, C. J. Kibler, and H. D. Porter, assignors to Eastman Kodak Company, Rochester, N. Y. Acyl substituted reactive methylene color couplers. 2,436,130, Feb. 17.
 Weller, Barton L., Chicago, Ill., assignor to The United States of America, as represented by the Atomic Energy Commission. Ionization chamber. 2,436,084, Feb. 17.
 Werner, Nels E., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Refractory tile. 2,436,131, Feb. 17.
 Western Electric Company, Incorporated, assignee: *See*—
 Rayburn, Vincent A.
 Rosendale, Robert W.
 Westinghouse Electric Corporation, assignee: *See*—
 Graybill, Howard W., and Olsson.
 Hutchison, William M.
 Hyde, Merritt A., and Marbury.
 Jernstedt, George W.
 Johnson, John S.
 King, George E.
 Kinn, Theodore P., and Tashjian.
 Lum, John C., and Jernstedt.
 Manjoline, Michael J.
 Miner, John D., Jr., and Mulheim.
 Mueller, Erich O.
 Pakala, William E., and Myers.
 Parfory, George R.
 Robinson, Robert C.
 Taylor, Owen L.
 Weller, Robert E.
 Weybrew, Sydney F.
 Wrathall, John R.
 Wrathall, John R., and Ivy.

LIST OF PATENTEES

- Westling, Carl J., West Orange, N. J., assignor to Minerals and Metals Corporation, New York, N. Y. Metallurgical process and apparatus. 2,436,157, Feb. 17.
- Weybrew, Sydney F., St. Louis, Mo., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. SLP-indicating system for electrically propelled locomotives. 2,436,341, Feb. 17.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Fertilizer distributor. 2,436,132, Feb. 17.
- White, Edmund B., Quincy, Mass. Device to open containers. 2,436,133, Feb. 17.
- White, Ralph V.: See—
- Snyder, George H. S., White, Bishop, and Socolofsky, Whitfield, Marshall G., Garden City, assignor, by means assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y. Manufacture of bimetallic articles. 2,435,991, Feb. 17.
- Wiegand, James G., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Micro-porous roll for drying continuous filaments. 2,436,028, Feb. 17.
- Wiegand, Irvin E., Overland, Mo. Temperature control system. 2,436,275, Feb. 17.
- Wiertz, Anthony P., Dayton, Ohio. Airplane landing gear. 2,436,240, Feb. 17.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Method and means for making nut blanks or the like. 2,436,342, Feb. 17.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Variable leverage gearing. 2,436,276, Feb. 17.
- Wildman Mfg. Co., assignee: See—
- Howle, Kenneth.
- Willett, Leon E., assignor to Chamberlin Company of America, Detroit, Mich. Protective screen. 2,436,277, Feb. 17.
- Willett, Leon E., assignor to Chamberlin Company of America, Detroit, Mich. Pivoted tool for bending the edge of a panel about a supporting flange. 2,436,278, Feb. 17.
- Williams, John W., Madison, Wis., and E. M. Bevilacqua, Rutherford, N. J., assignors to The United States of America, as represented by the Atomic Energy Commission. Sedimentation tube. 2,436,083, Feb. 17.
- Williams, Virgil C., Evanston, Ill., assignor to The Linde Air Products Company. Flux-forming fuel, and thermally working minerals therewith. 2,436,002, Feb. 17.
- Wilson, Ellsworth M., Southport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Drum support for combined washing and centrifugal drying machines. 2,436,343, Feb. 17.
- Wilson, John W., Inglewood, Calif. X-ray applicator. 2,436,279, Feb. 17.
- Winnek, Philip S., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Sulfonamide derivatives. 2,436,062, Feb. 17.
- Winogrand, Milton J., Philadelphia, Pa. Portable ventilator having adjustable mounting means. 2,436,344, Feb. 17.
- Winterhalter, William E.: See—
- Vonada, Edwin E., and Winterhalter.
- Wolfe, Herbert J., Maspeth, and P. W. Greubel, Long Island City, assignors to American Can Company, New York, N. Y. Printing ink composition. 2,435,992, Feb. 17.
- Wolk, I. Louis: See—
- Upham, John D., and Wolk.
- Work, Robert H.: See—
- O'Kelly, Arlie A., and Work.
- Workman, Lawrence H.: See—
- Smith, Ralph E., and Workman.
- Woroneski, Joseph, Croydon, Pa. Spinning toy. 2,436,158, Feb. 17.
- Wrathall, John R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamometer control system. 2,436,345, Feb. 17.
- Wrathall, John R., and J. G. Ivy, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamometer control system. 2,436,346, Feb. 17.
- Wright, Clifton C., Chicago, Ill., assignor to Rapid Specialties Company. Electrical test clip. 2,436,280, Feb. 17.
- Wrisley, Kenneth S., Cuba, N. Y. Separator. 2,436,029, Feb. 17.
- Wytovich, Stanley A., assignor to Blossom Products Corporation, Allentown, Pa. Latch needle opener. 2,436,241, Feb. 17.
- Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Grease compositions. 2,436,347, Feb. 17.
- Zink, Walter L., Dixon, Ill. Fish lure. 2,435,993, Feb. 17.
- Zukerman, Cecil M., Davenport, Iowa. Sterile needle holder. 2,435,994, Feb. 17.

LIST OF DESIGN INVENTIONS

- Airplane. J. C. Boyes. 148,673, Feb. 17.
- Base, Illuminable statue. M. Dominick. 148,679, Feb. 17.
- Bottle opener, ice pick, ice cracker, and muddler, Combination. F. McLaughlin and J. E. Roberson. 148,714, Feb. 17.
- Bottle or similar article, Perfume. C. B. Johnson. 148,704, Feb. 17.
- Box, Cosmetic display. E. N. Graham. 148,692, Feb. 17.
- Brooch or similar article. B. Glass. 148,689, Feb. 17.
- Cabinet, Display. J. G. Graef. 148,691, Feb. 17.
- Cabinet, Open type self-service frosted food display. A. A. Paley. 148,717, Feb. 17.
- Cabinet or the like, Radio. F. C. Burton. 148,675, Feb. 17.
- Cart, Household utility. F. P. Fletcher. 148,684, Feb. 17.
- Case, Viewer. E. Gordon and H. Sanders. 148,690, Feb. 17.
- Casing for a recorder or the like. G. H. Kress and C. W. Sundberg. 148,709, Feb. 17.
- Casing or the like, Recorder. G. H. Kress and C. W. Sundberg. 148,708, Feb. 17.
- Casing, Stove. E. F. Wilks. 148,739, Feb. 17.
- Comb. E. J. Lux. 148,713, Feb. 17.
- Container for poker chips. J. Foier. 148,685, Feb. 17.
- Container for toys and the like. T. B. Hodge. 148,700, Feb. 17.
- Cover, Book. P. M. Brown. 148,674, Feb. 17.
- Cover for the serving bowl of a coffee maker. D. Chapman. 148,677, Feb. 17.
- Cutter, Vegetable. C. B. and C. T. Ingram. 148,703, Feb. 17.
- Educational cards, Set of. S. Kaufer. 148,705, Feb. 17.
- Fixture, Lighting. E. F. Guth and E. C. Koegel. 148,695, Feb. 17.
- Fixture, Lighting. E. C. Koegel. 148,707, Feb. 17.
- Fixture, Store display. E. C. Dimling. 148,678, Feb. 17.
- Game board. L. Smith and W. J. Mueckler. 148,727-8, Feb. 17.
- Guard, Automotive vehicle. J. Sterkel. 148,729, Feb. 17.
- Hair curling device. M. Petitta. 148,719, Feb. 17.
- Handbag. I. Pichel. 148,720, Feb. 17.
- Handbag. R. D. Singel. 148,726, Feb. 17.
- Hearing aid. H. E. Haines. 148,697, Feb. 17.
- Holder and card-case, Combined poker chip. J. Foier. 148,686, Feb. 17.
- Holder, Cigarette package. A. P. Leiserowitz. 148,711, Feb. 17.
- Holder for a coffee maker. R. C. Tackenberg and K. C. Applegate. 148,734, Feb. 17.
- Holder for paper napkins or similar articles. A. P. Cary. 148,676, Feb. 17.
- Jacket. S. Etkin. 148,682-3, Feb. 17.
- Jacket. J. F. Strassner. 148,730-1, Feb. 17.
- Lamp-stand or similar article. C. F. Galehouse. 148,687, Feb. 17.
- Mail box or similar article. G. Holmgren. 148,702, Feb. 17.
- Negligee. V. Giovagnoni. 148,688, Feb. 17.
- Nozzle for dry chemical fire extinguisher. A. La Fountain and A. B. Guise. 148,710, Feb. 17.
- Nozzle or similar article, Suction cleaner. H. Dreyfuss. 148,681, Feb. 17.
- Overshoe or similar waterproof article. J. E. Hard. 148,699, Feb. 17.
- Panel, Hydraulic control. B. L. Readman. 148,722, Feb. 17.
- Pin or similar article. M. Boucher. 148,672, Feb. 17.
- Protector, Combined shelf and roll curtain wall. E. Prinz. 148,721, Feb. 17.
- Pulley or similar article, Clothesline. E. Lorenz. 148,712, Feb. 17.
- Rack, Potholder. H. A. Wild. 148,738, Feb. 17.
- Receiver, camera, clock, and cigarette lighter, Combined portable radio. D. N. Sharma. 148,725, Feb. 17.
- Ring, Finger. M. F. Madier. 148,715, Feb. 17.
- Ring or similar article, Finger. M. B. Richey. 148,723, Feb. 17.
- Roasting machine, Coffee. A. S. Torres. 148,735, Feb. 17.
- Scooter, Motor. H. J. Mertz. 148,716, Feb. 17.
- Shuttlecock. W. J. Studer. 148,733, Feb. 17.
- Shuttlecock, Badminton. W. J. Studer. 148,732, Feb. 17.
- Spoon and rattle, Combined. R. B. Grosvenor. 148,693, Feb. 17.
- Stand, Display. A. M. Travis. 148,736, Feb. 17.
- Stand, Fountain pen desk. E. J. Vogel. 148,737, Feb. 17.
- Stand, Roadside refreshment. F. S. Grover. 148,694, Feb. 17.
- Stroller, rocker, sled, and walker, Combination. C. V. Kenney. 148,706, Feb. 17.
- Toy airplane. R. B. Atkins. 148,670, Feb. 17.
- Toy, Rocking animal figure. J. N. Schauenberg. 148,724, Feb. 17.
- Toy, Spinning bird's wing. H. B. Hanes. 148,698, Feb. 17.
- Trailer, House. F. C. Hoffman. 148,701, Feb. 17.
- Tray and coaster combination, Ash. E. R. Peterson. 148,718, Feb. 17.
- Vehicle, Motor. C. Douglas. 148,680, Feb. 17.
- Washing machine. L. H. Haase. 148,696, Feb. 17.
- Watch band. P. E. Babin. 148,671, Feb. 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Actuator assembly for brake mechanism. M. B. Morgan. 2,435,977, Feb. 17.
Adhesive cement compositions. A. M. Neal and J. J. Verbanck. 2,436,222, Feb. 17.
Adhesives, Preparing casein. S. M. Weisberg and E. G. Stimpson. 2,436,239, Feb. 17.
Aircraft landing system. R. H. Varian. 2,435,988, Feb. 17.
Airplane landing gear. A. P. Wiertz. 2,436,240, Feb. 17.
Alkoxy-substituted esters. R. E. Brooks. 2,436,286, Feb. 17.
Alkyl cycloalkyl halides, Production of. L. Scherling. 2,436,058, Feb. 17.
Alkylation of aromatic hydrocarbons by contact with heat-stable metal halide catalysts. A. A. O'Kelly and R. H. Work. 2,436,151, Feb. 17.
Alloy plating, Bright. G. W. Jernstedt. 2,435,967, Feb. 17.
Alloy plating, Bright. J. C. Lum and G. W. Jernstedt. 2,436,316, Feb. 17.
Aminophthalimides. H. T. Lacey and R. E. Brouillard. 2,436,362, Feb. 17.
Ammunition. T. B. Johnson. 2,436,306, Feb. 17.
Ammunition dispenser. A. M. Signalness. 2,436,154, Feb. 17.
Annealing furnace. L. E. Smith. 2,436,024, Feb. 17.
Antifouling device. I. M. Taylor. 2,435,986, Feb. 17.
Apparatus for contacting solids with gaseous fluids. H. J. Ogoraly and W. P. Lakin. 2,436,225, Feb. 17.
Apparatus for controlling the electric heating of continuous metallic articles. E. E. Vonada and W. E. Winterhalter. 2,436,027, Feb. 17.
Apparatus for cutting material. V. A. Rayburn. 2,436,179, Feb. 17.
Apparatus for detecting flaws in suspended pipe, Electromagnetic. W. H. Stewart and J. W. Millington. 2,435,985, Feb. 17.
Apparatus for determining the mechanical behavior of metals under test, Testing. M. J. Manjoine. 2,436,317, Feb. 17.
Apparatus for measuring turbidity photoelectrically. M. C. Miller. 2,436,262, Feb. 17.
Apparatus for molding cored articles of organic plastic material. C. S. Dewey, Jr. 2,436,065, Feb. 17.
Apparatus for producing drop shot. J. Hart. 2,436,211, Feb. 17.
Apparatus for recording or transmitting intelligence. H. L. Tholstrup. 2,436,126, Feb. 17.
Apparatus for testing the static balance of propeller blades. L. B. Chubb. 2,436,096, Feb. 17.
Apparatus for vapor coating of large surfaces. A. H. Bennett. 2,435,997, Feb. 17.
Applicator, Film. J. J. Bradley, Jr. 2,436,351, Feb. 17.
Applicator, X-ray. J. W. Wilson. 2,436,279, Feb. 17.
Arc extinguishing device. E. W. Boehne. 2,436,189, Feb. 17.
Article holder. B. J. Hudash. 2,436,044, Feb. 17.
Article support. R. W. Rosendale. 2,436,019, Feb. 17.
Auto luggage carrier. S. Purchase. 2,436,228, Feb. 17.
Automatic firearm. E. C. Neal. 2,436,175, Feb. 17.
Automatic tuning control for radio systems and the like. R. C. Kent. 2,436,172, Feb. 17.
Aviation naphthas, Finishing of. B. N. Hill. 2,436,170, Feb. 17.
Base, Electric lamp. L. R. Keiffer. 2,436,259, Feb. 17.
Base members for dyeing, Preparing. O. K. Johansson. 2,436,304, Feb. 17.
Basket, Collapsible cardboard counter. J. V. Horr. 2,436,300, Feb. 17.
Battery charging apparatus. M. L. Pugh. 2,436,057, Feb. 17.
Beam and slab structure, Composite prestressed concrete. C. P. Cueni. 2,435,998, Feb. 17.
Bearing. C. S. Watt. 2,436,274, Feb. 17.
Bed and seat, Infant's convertible. B. Glatstein. 2,436,294, Feb. 17.
Bipod assembly for guns, Folding. E. F. Adams. 2,436,349, Feb. 17.
Bone. J. J. Birl. 2,436,283, Feb. 17.
Bottle cap. V. Guarnaschelli. 2,436,297, Feb. 17.
Bottle carrier. J. W. Simmons. 2,436,271, Feb. 17.
Bottles, Improving mix and drying exteriors of. G. P. Stout. 2,436,082, Feb. 17.

Box: See—
Dispensing pill box. Mattress filling box.
Brake: See—
Vehicle brake.
Brake beam. C. R. Moline. 2,436,263, Feb. 17.
Brake for railway vehicles, Disc. W. H. Baselt. 2,436,136, Feb. 17.
Brassiere. J. R. Bowen. 2,436,094, Feb. 17.
Bridle sling, Adjustable. C. A. Buffap. 2,436,247, Feb. 17.
Broach. J. K. Penny. 2,436,325, Feb. 17.
Buffing compound. R. V. Twynning and W. T. Hakken, Jr. 2,436,128, Feb. 17.
Button back. E. A. Nygard. 2,436,323, Feb. 17.
Cabin pressure regulator. F. E. Snedecor. 2,436,183, Feb. 17.
Cable: See—
Streamlined conductor
Cable connecting device. G. C. Webster. 2,435,959, Feb. 17.
Cable impregnated with tertiary alkyl naphthalenes, Electric. R. G. Larsen. 2,436,110, Feb. 17.
Calculating device. A. B. Downs, Jr. 2,436,352, Feb. 17.
Cap: See—
Bottle cap.
Carboxypyrimido pyrazines, Preparing. J. H. Mowat and J. H. Beothe. 2,436,074, Feb. 17.
Carburetor. P. A. R. Meyer. 2,436,319, Feb. 17.
Carrier: See—
Auto luggage carrier. Bottle carrier.
Carton and blank for forming the same, Liquidproof lined. H. F. Waters. 2,436,061, Feb. 17.
Catalytic hydrogenation of aminoacetonitrile to ethylene diamine. A. G. Weber and C. D. Bell. 2,436,368, Feb. 17.
Cathode-ray tube. E. Pohle, J. Rutledge, and I. E. Lempert. 2,436,265, Feb. 17.
Cathodic protection of metallic structures, Providing. A. B. MacTaggart and G. J. Thomson. 2,436,973, Feb. 17.
Cellulose acetate fabrics with the aid of an intermediate thiocyanate treatment, Discharge printing of colored. H. G. Scull and J. G. McNally. 2,436,059, Feb. 17.
Cellulose organic acid ester plastic containing resorcinol monobenzoate. L. W. A. Meyer and W. M. Gearhart. 2,436,116, Feb. 17.
Cellulosic pellicle, Regenerated. C. M. Rosser. 2,436,181, Feb. 17.
Chemical removal of an acid-soluble metal part in a deep well. P. H. Cardwell and L. H. Eilers. 2,436,196-8, Feb. 17.
Chlorination of hydrocarbons. J. S. Sconce and A. N. Johnson. 2,436,366, Feb. 17.
Chlorine dioxide, Production of. R. N. Aston. 2,436,134, Feb. 17.
Chopper, Positive feed food. G. Haniquet. 2,436,107, Feb. 17.
Cigarette rolling device. J. M. Morris. 2,436,015, Feb. 17.
Circuit: See—
Ignitron firing circuit. Regulator circuit.
Circuit breaker operating means. R. R. Bush. 2,436,194, Feb. 17.
Circuit controllers. L. R. Douglas and E. W. Seeger. 2,436,102, Feb. 17.
Cleaner: See—
Shoe cleaner. Suction cleaner.
Cleaning machine, Pipe. J. D. Cummings and M. P. Laurent. 2,436,099, Feb. 17.
Clip: See—
Electrical test clip.
Closure device and making same. I. L. Lesavoy. 2,436,312, Feb. 17.
Closure for containers, Self-sealing. L. H. Daniel. 2,436,291, Feb. 17.
Closure for nonrefillable bottles or other containers. O. A. Soto. 2,436,081, Feb. 17.
Clutch mechanism, Latch operated positive. A. B. Machado. 2,436,112, Feb. 17.
Coaxial switch. T. A. Newkirk. 2,435,978, Feb. 17.
Collar connection, Closet bend. F. J. Lassa. 2,436,070, Feb. 17.

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LIST OF INVENTIONS

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Compensator for hydraulic systems, Thermal. A. E. Kremiller. 2,436,009, Feb. 17.
Composition comprising a polyvinyl acetal resin stabilized with a basic alkali metal compound and an amine salt. R. D. Dunlop. 2,436,253, Feb. 17.
Composition of matter. W. E. Kleinicke. 2,436,146, Feb. 17.
Composition of terpinene-maleic anhydride, hydrogenated coumarone-indene resin, and polystyrene. I. C. Matthews and W. F. Lynch. 2,436,048, Feb. 17.
Concentrating by freezing liquid fruit juice. W. E. Malcolm. 2,436,218, Feb. 17.
Condenser. H. M. Dressel. 2,436,208, Feb. 17.
Container: See—
Fiberboard cream separating milk container.
Control apparatus, Electrical. A. E. Dodd. 2,436,293, Feb. 17.
Control apparatus for motors, Electronic. S. G. Isserstedt. 2,435,968, Feb. 17.
Control means for calendar rolls, Temperature. Le B. Eaby. 2,435,959, Feb. 17.
Control system, Photograph and motor. W. M. Hutchison. 2,436,301, Feb. 17.
Controller. G. E. King. 2,436,308, Feb. 17.
Conversion of hydrocarbons. R. C. Hansford and A. N. Sachanen. 2,436,257, Feb. 17.
Copolymers comprising acrylonitrile and vinyl ethers and molecularly oriented articles composed thereof. G. F. D'Alella. 2,436,204, Feb. 17.
Corona elimination in generator end-windings. J. S. Johnson. 2,436,306, Feb. 17.
Couplers, Acyl substituted reactive methylene color. A. Weissberger, C. J. Kibler, and H. D. Porter. 2,436,130, Feb. 17.
Coupling: See—
Hydraulic brake pipe coupling. Self-sealing coupling.
Coupling. J. S. Cardillo. 2,436,248, Feb. 17.
Coupling pin. F. and C. Fuhrer. 2,436,210, Feb. 17.
Cover: See—
Replacable optical temple. Stair cover.
Cover for handbags or similar articles, Removable. H. Brandt. 2,436,237, Feb. 17.
Crane, Mail. I. Pendleton. 2,436,226, Feb. 17.
Crate, Bottle. A. Taurman. 2,436,236, Feb. 17.
Curb feeler switch. E. Sines. 2,436,123, Feb. 17.
Curling rod. H. Bonat. 2,436,092, Feb. 17.
Current-limiting and protective arrangement. A. B. Rypinski. 2,436,334, Feb. 17.
Cushioning device. G. J. Christensen. 2,436,163, Feb. 17.
Cutting machine, Card. K. J. Braun. 2,436,192, Feb. 17.
Cylinder holder. A. De Mott. 2,436,292, Feb. 17.
Detecting and alarm system. C. W. Baird. 2,435,996, Feb. 17.
Device to open containers. E. B. White. 2,436,133, Feb. 17.
Dialkyl esters of long-chain alkylphosphonates. M. T. Goebel. 2,436,141, Feb. 17.
Dimethyl silicone elastomers containing lead monoxide. J. Marsden and G. F. Roedel. 2,436,220, Feb. 17.
Dimethylolurea, Spray drying. H. M. Cadot and W. B. Clark. 2,436,355, Feb. 17.
Disconnect switch. F. H. Cole. 2,436,290, Feb. 17.
Dish. H. W. Clarke. 2,436,097, Feb. 17.
Dishwasher. A. H. Haberstump. 2,436,169, Feb. 17.
Dispenser: See—
Ammunition dispenser. Liquid dispenser.
Dispensing pill box. C. Orban. 2,436,075, Feb. 17.
Distributor, Fertilizer. C. H. White. 2,436,132, Feb. 17.
Door: See—
Overhead door.
Door latch mechanism, Automobile. W. J. Tierney, C. L. Harmon, and F. W. A. Villemure. 2,435,987, Feb. 17.
Door mat with scraper and removable brush. G. D. P. Liberator. 2,436,315, Feb. 17.
Dop. Gem. J. Ludel. 2,435,971, Feb. 17.
Drilling device, Disintegrator. E. J. Dobie and A. F. Raymond. 2,436,251, Feb. 17.
Drive and torque impulse neutralizer, Combined accessory. V. E. Matulatis. 2,436,072, Feb. 17.
Drive, Engine starter. D. L. Miller. 2,436,261, Feb. 17.
Dye intermediates for colour photography. J. D. Kendall and D. J. Fry. 2,436,007, Feb. 17.
Dye, Monoazo. M. Mandoza. 2,436,013, Feb. 17.
Dynamic braking system for series motors. G. R. Purifoy. 2,436,330, Feb. 17.
Dynamoelectric machine. J. D. Miner, Jr., and J. E. Mulheim. 2,436,320, Feb. 17.
Dynamometer control system. J. R. Wrathall. 2,436,345, Feb. 17.
Dynamometer control system. J. R. Wrathall and J. G. Ivy. 2,436,346, Feb. 17.
Edge-gluing machine, Veneer. O. S. Bolling. 2,436,091, Feb. 17.
Ejector and reflector, Saliva. H. Friedman. 2,436,040, Feb. 17.
Electric circuit breaker. A. C. Boisseau and R. E. Bold. 2,436,190, Feb. 17.
Electric circuit breaker. J. W. Timmerman, Jr. 2,436,191, Feb. 17.

Electric circuit regulator. T. P. Kinn and D. R. Tashjian. 2,436,307, Feb. 17.
Electric winding. W. J. Bilodeau. 2,436,188, Feb. 17.
Electric winding. F. E. D'Estermont. 2,436,207, Feb. 17.
Electrical connector. H. Locktov. 2,436,217, Feb. 17.
Electrical method and apparatus for injecting or propelling increments of fuel or other fluids. A. G. Bodine, Jr. 2,436,090, Feb. 17.
Electrical test clip. C. C. Wright. 2,436,280, Feb. 17.
Electromagnet having snap action, Differential. H. M. Ogle. 2,436,224, Feb. 17.
Electromagnet with armature. J. D. Burke and F. A. Crooks. 2,436,354, Feb. 17.
Electromagnetic relay. O. L. Taylor. 2,436,339, Feb. 17.
Electron gun for cathode-ray tubes. R. O'Leary and G. Vollet. 2,436,264, Feb. 17.
Electronic computer for transforming polar into rectilinear coordinates. J. A. Rajchman. 2,436,178, Feb. 17.
Engine and making parts thereof. A. G. Herreschoff and A. R. Houk. 2,436,043, Feb. 17.
Envelope for photographic printing, Vacuum. C. F. Amering. 2,436,085, Feb. 17.
Expander, Storage battery plate paste. A. L. Hindall. 2,436,299, Feb. 17.
Explosion-proof swivel pipe joint. N. A. Torablam. 2,436,127, Feb. 17.
Explosion turbine, Air-cooled. E. W. Braga. 2,436,246, Feb. 17.
Explosive sealing heads for containers. C. J. McDowell. 2,436,364, Feb. 17.
Extraction of a diolefin. N. Menshik. 2,436,149, Feb. 17.
Extraction press. H. E. Crosby. 2,436,064, Feb. 17.
Fan for aircraft engines, Cooling. E. H. Benson. 2,436,087, Feb. 17.
Fiberboard cream separating milk container. C. E. Dear-dorf. 2,436,140, Feb. 17.
Film with emulsion layers adjacent each other and making same, Tripack. J. C. Crawford. 2,435,957, Feb. 17.
Filter stack, Metal-edge. P. Heffler. 2,436,108, Feb. 17.
Fish lure. R. A. Shetka. 2,436,232, Feb. 17.
Fish lure. W. L. Zink. 2,435,993, Feb. 17.
Fishing bait holder. A. Kollman. 2,436,109, Feb. 17.
Flame proofing compositions. E. W. Leatherman. 2,436,216, Feb. 17.
Flashlight for boxes. E. T. Bessler and J. A. Orcholl. 2,436,088, Feb. 17.
Fluid pressure compounding system. S. Schnell. 2,436,268, Feb. 17.
Fluorinated compounds, Halogenation of. P. L. Barrick and R. E. Christ. 2,436,135, Feb. 17.
Fluorination of hexachlorobutadiene. C. I. Gochenour and G. D. Kyker. 2,436,357, Feb. 17.
Fluoroalkanes, Preparation of. H. H. Hoehn. 2,436,143, Feb. 17.
Folding table. G. L. Prothro, Sr. 2,436,056, Feb. 17.
Frame: See—
Pulpwood saw frame.
Frozen food locker plant, Sectional. H. W. Morgan. 2,436,117, Feb. 17.
Fruit gatherer. J. Knapp. 2,436,173, Feb. 17.
Fuel, and thermally working minerals therewith, Flux-forming. V. C. Williams. 2,436,002, Feb. 17.
Fuel conditioning device. W. T. Rhoten. 2,436,018, Feb. 17.
Fuel system for aircraft. D. Samiran and J. S. Mills. 2,435,982, Feb. 17.
Fumigating and cleaning apparatus, Fur. N. Root. 2,436,333, Feb. 17.
Furnace: See—
Annealing furnace. Surface combustion crackling furnace.
Reverberatory furnace.
Fuse, Mechanical time. B. B. Patton. 2,435,979, Feb. 17.
Game board holder. H. Solomon. 2,436,273, Feb. 17.
Game projectile. M. C. Myers. 2,436,174, Feb. 17.
Gantry structure. R. E. Smith and L. H. Workman. 2,436,337, Feb. 17.
Garment and making same, Paper. S. Trokie and H. McKechnie. 2,436,060, Feb. 17.
Garment, Child's. A. A. Goldstein. 2,436,106, Feb. 17.
Garment, Child's outer. L. A. Forkish. 2,436,166, Feb. 17.
Garment hanger. I. L. Lesavoy. 2,436,314, Feb. 17.
Garment stretching and pressing machine. I. Primus. 2,436,121, Feb. 17.
Garment with detachable shoulder pad. L. Pinkus. 2,436,054, Feb. 17.
Gas generator. N. K. Koebel. 2,436,309, Feb. 17.
Gas turbine lubricating oil cooling and air inlet deicing system. B. E. Weller. 2,435,990, Feb. 17.
Gear: See—
Airplane landing gear.
Gearing, Variable leverage. E. Wildhaber. 2,436,276, Feb. 17.
Generator: See—
Gas generator. Pulse generator.
Glass, Optical. W. H. Armistead. 2,435,995, Feb. 17.
Glider, Circularly swung captive. J. A. A. Measler. 2,436,014, Feb. 17.
Grease compositions. J. C. Zimmer and A. J. Morway. 2,436,347, Feb. 17.
Grinding apparatus and process. L. Duncan. 2,436,352, Feb. 17.
Gun perforator. W. E. Neal. 2,436,118, Feb. 17.

Hanger: See—
 Garment hanger.
 Harness, Parachute. J. Gregory. 2,436,167, Feb. 17.
 Lamp, Lamp. K. Berger. 2,435,954, Feb. 17.
 Holder: See—
 Article holder. Game board holder.
 Cylinder holder. Sterile needle holder.
 Fishing bait holder.
 Holding device for finishing machines. W. C. Glover, Jr. 2,436,255, Feb. 17.
 Hot-water tank. E. Rawson. 2,435,981, Feb. 17.
 Hutch for small livestock. M. H. Brossia. 2,436,095, Feb. 17.
 Hydraulic brake pipe coupling. A. A. Pommer. 2,436,327, Feb. 17.
 Hydrocarbons, Catalytic conversion of. C. G. Gerhold and J. E. Burgess. 2,436,041, Feb. 17.
 Hydrocarbons, Production of liquid. L. Schmerling. 2,435,983, Feb. 17.
 Hydrocarbons using moving catalysts, Conversion of. J. D. Upham and L. L. Wolk. 2,436,340, Feb. 17.
 Ignitron firing circuit. W. E. Pakala and H. C. Myers. 2,436,324, Feb. 17.
 Impulse recording optical system. J. A. Maurer, Jr. 2,436,148, Feb. 17.
 Indicator: See—
 Tool indicator.
 Injection molding apparatus. G. F. Rotsler. 2,436,122, Feb. 17.
 Ink composition, Printing. H. J. Wolfe and P. W. Greubel. 2,435,992, Feb. 17.
 Insignia holding device. F. W. Moehle. 2,436,150, Feb. 17.
 Insulators and producing the same, Electrical. B. Hopps and C. J. Smithells. 2,436,005, Feb. 17.
 Interchangeable jewel mounting. D. Pfeffer. 2,436,120, Feb. 17.
 Internal-Combustion engines, Cooling. E. P. Bartlett and H. C. Duus. 2,436,281, Feb. 17.
 Interpolymerization of olefins. E. F. Wadley and J. T. Horecky. 2,436,238, Feb. 17.
 Ionization chamber. B. L. Weller. 2,436,084, Feb. 17.
 Isomerization process. W. S. Swardoff. 2,436,367, Feb. 17.
 Jelly, Pharmaceutical. W. B. Stillman and A. B. Scott. 2,436,184, Feb. 17.
 Joint: See—
 Explosion-proof swivel pipe joint.
 Knitting machine. K. Howie. 2,436,171, Feb. 17.
 Knitting machine, Circular. J. J. McDonough. 2,436,318, Feb. 17.
 Lamp holder for tubular lamps. A. A. Richardson. 2,436,265, Feb. 17.
 Lift, Power. W. H. Silver. 2,436,155, Feb. 17.
 Liquid dispenser. S. M. Abbott. 2,436,080, Feb. 17.
 Liquid filtering apparatus, Portable. E. A. Robertson. 2,436,077, Feb. 17.
 Loading device for baking ovens. W. L. Mueller and C. R. Skarin. 2,436,052, Feb. 17.
 Lock: See—
 Repair lock. Tank cap lock.
 Loom controlling means, Electric. V. F. Sepavich and J. C. Manog. 2,436,022, Feb. 17.
 Lubricant. L. W. Mixon. 2,436,051, Feb. 17.
 Machine for molding concrete slabs. J. Novello. 2,436,176, Feb. 17.
 Magnetic field gradient measurement. C. H. Fay. 2,436,039, Feb. 17.
 Magnetron, Tunable. P. L. Spencer. 2,435,984, Feb. 17.
 Manostat. J. P. Bader. 2,436,350, Feb. 17.
 Manufacture of bimetallic articles. M. G. Whitfield. 2,435,991, Feb. 17.
 Match. M. R. Metzger. 2,436,049, Feb. 17.
 Materials comprising fluoroprene, Synthetic rubberlike. F. B. Hill, Jr. 2,436,213, Feb. 17.
 Mattress filling box. F. Parker. 2,436,119, Feb. 17.
 Mechanism for controlling hydraulic flow. J. Kalix. 2,435,968, Feb. 17.
 Member for converting single pane window sash into double pane sashes, Structural addition. W. A. Doney. 2,436,037, Feb. 17.
 Mercaptans, Producing. C. B. Blawell. 2,436,187, Feb. 17.
 Metalworking and stripping-plating process. H. L. Benner and R. B. Blair. 2,436,244, Feb. 17.
 Metallurgical process and apparatus. C. J. Westling. 2,436,157, Feb. 17.
 Methanol to formaldehyde, Conversion of. W. F. Brondyke and J. A. Monier, Jr. 2,436,287, Feb. 17.
 Microscope and counting chamber therefor. A. H. Bennett. 2,435,952, Feb. 17.
 Microscope and polarizing haemocytometer therefor, Polarizing. A. H. Bennett. 2,435,953, Feb. 17.
 Mill: See—
 Tube reducing mill.
 Mineral and like masses, Thermally working. J. M. Gaines, Jr. 2,436,001, Feb. 17.
 Molding powder from a lower aliphatic ester of cellulose, Production of. H. Dreyfus, J. H. Rooney, and B. Shaw. 2,435,999, Feb. 17.
 Monoazo compounds. J. G. McNally and J. B. Dickey. 2,436,115, Feb. 17.

Monoazo dye containing a trifluoro acetyl amino group. J. B. Dickey. 2,436,100, Feb. 17.
 Monomeric dithioglycidol, Preparing. F. K. Signalgo. 2,436,233, Feb. 17.
 Motion-picture projection machine. H. A. Bendfelt. 2,436,032, Feb. 17.
 Motor: See—
 Self-starting synchronous motor.
 Motor control apparatus, Electrical. H. E. Hartig. 2,435,965, Feb. 17.
 Motor control system, Electric. F. E. Crever. 2,436,203, Feb. 17.
 Motor control system, Follow-up. L. Hegy. 2,436,068, Feb. 17.
 Motor or pump. F. A. Booth. 2,436,285, Feb. 17.
 Motor starting by means of capacitors, Alternating current. M. A. Hyde and R. E. Marbury. 2,436,302, Feb. 17.
 Motor winding, Three-phase. R. C. Robinson. 2,436,331, Feb. 17.
 Mounting: See—
 Interchangeable jewel mounting. Tubular lamp mounting.
 Nail device. P. L. Bridgegroom. 2,436,161, Feb. 17.
 Nephelometer for assaying penicillin. F. H. Johnson. 2,436,145, Feb. 17.
 Nut blanks or the like, Making. R. L. Wilcox. 2,436,342, Feb. 17.
 Oil composition, Mineral. G. H. S. Snyder, R. V. White, J. H. Bishop, and J. F. Socolofsky. 2,436,272, Feb. 17.
 Oil compositions, Emulsifiable soluble. N. E. Lemmon and F. W. Schuessler. 2,436,046, Feb. 17.
 Oil gauge. R. M. Heintz. 2,436,212, Feb. 17.
 Oils and greases obtained by pyrolysis of tetrafluoroethylene-olefin copolymers. R. M. Joyce, Jr. 2,436,069, Feb. 17.
 Oils with finely divided heat resistant non-catalytic material, Cracking of hydrocarbon. F. H. Blanding. 2,436,160, Feb. 17.
 Oleoresins and gums in coniferous trees, Stimulation of production of. G. H. Hepting. 2,436,359, Feb. 17.
 Opener for containers, Lid. J. W. Bristow. 2,436,193, Feb. 17.
 Opener, Latch needle. S. A. Wytovich. 2,436,241, Feb. 17.
 Organic nitrosation-sulfitation products, Purification of. L. J. Beckham. 2,436,243, Feb. 17.
 Orthopedic appliance and making the same. L. Diamond and M. R. Udell. 2,436,164, Feb. 17.
 Oscillator. P. Weathers. 2,436,129, Feb. 17.
 Overhead door. F. Kaiser. 2,436,006, Feb. 17.
 Neracher, and R. Hirt. 2,435,974, Feb. 17.
 p-Aminobenzene sulfonamides. H. Martin, H. Gysin, O. Pack, Parachute. J. R. C. Quilter. 2,436,177, Feb. 17.
 Parts rack. T. L. I. Carlson. 2,436,289, Feb. 17.
 Pectic acid compositions. W. E. Baier. 2,436,086, Feb. 17.
 Phenol formaldehyde resin-glycinin protein emulsion. P. K. Porter. 2,436,328-9, Feb. 17.
 Photoelectric apparatus for spectrographic analysis. A. W. Fisher and W. B. Warren. 2,436,104, Feb. 17.
 Photographic emulsions of silver salts in hydrophilic polymers of 1,3-dioxolane. T. Le S. Cairns and D. M. McQueen. 2,436,138, Feb. 17.
 Photographic exposure frame. M. L. Reaney. 2,436,180, Feb. 17.
 Photographic recording equipment. J. F. Egan. 2,436,103, Feb. 17.
 Piezoelectric apparatus. J. J. Cress. 2,436,202, Feb. 17.
 Pin: See—
 Coupling pin.
 Pipe tong support. C. A. Lundeen. 2,435,972, Feb. 17.
 Piston engine pressure control means, Free. F. M. Lewis. 2,435,970, Feb. 17.
 Piston ring elements of ribbon steel, Forming. H. P. Phillips. 2,436,227, Feb. 17.
 Plastic compositions of matter. L. P. Kyrides. 2,436,361, Feb. 17.
 Platform, Industrial. R. Hastings, Jr. 2,436,358, Feb. 17.
 Plucking machine, Poultry. G. W. Johnson. 2,436,214, Feb. 17.
 Plug attachment for electric cords. J. E. Mehrtens. 2,436,221, Feb. 17.
 Pocket, Suspended. W. O. Fiesler. 2,436,105, Feb. 17.
 Pollinating blossoms. L. C. Antles. 2,435,951, Feb. 17.
 Polyfluorocyclobutenes. J. Harmon. 2,436,142, Feb. 17.
 Polyhydric alcohols, Extraction of. J. C. Elgin. 2,436,209, Feb. 17.
 Polyiodo diaryl aliphatic acids and their manufacture. E. Schwenk and D. Papa. 2,436,270, Feb. 17.
 Polymerizing ethylene. W. E. Hanford and P. L. Salzberg. 2,436,256, Feb. 17.
 Portable flange serrating tool. N. W. Richards. 2,436,152, Feb. 17.
 Post, Motor terminal binding. W. L. Hansen and H. G. Manson. 2,436,042, Feb. 17.
 Pothead, Cable. W. P. Bovard. 2,436,093, Feb. 17.
 Preparation of alpha, omega-dicarboxylic acids. S. L. Scott. 2,436,269, Feb. 17.
 Preparation of n,n' ethyleneurea. A. T. Larson, D. J. Loder, and H. R. Dittmar. 2,436,311, Feb. 17.

Preparation of 2-amino-5-chloropyrimidine. M. E. Hultquist. 2,436,360, Feb. 17.
 Press: See—
 Extraction press.
 Pressure responsive valve. C. C. S. LeClair. 2,436,147, Feb. 17.
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 Shoe protector.
 Propeller, Airplane. D. W. Main. 2,436,113, Feb. 17.
 Protective hood, Dust. E. A. Clement. 2,436,249, Feb. 17.
 Protective screen. L. E. Willett. 2,436,277, Feb. 17.
 Pteridins, Synthesis of substituted. J. H. Mowat. 2,436,073, Feb. 17.
 Pulpwood saw frame. W. H. Graff. 2,435,964, Feb. 17.
 Pulse generator. W. N. Dean. 2,435,958, Feb. 17.
 Pump: See—
 Motor or pump.
 Pump with rotary casing. W. Buehler. 2,436,034, Feb. 17.
 Rack: See—
 Parts rack.
 Radiator, Electrically heated convection. H. Capra. 2,436,288, Feb. 17.
 Radio detecting and range finding systems. G. W. Fyler. 2,435,960, Feb. 17.
 Rake actuating mechanism. D. F. Bloom, Jr. 2,436,245, Feb. 17.
 Razor and blade magazine therefor, Safety. W. Steinbach. 2,436,025-6, Feb. 17.
 Recorder. A. H. Reiber. 2,436,229, Feb. 17.
 Recorder having suppression of spacing control of printing without suppression of similar control for punching. A. H. Reiber. 2,436,230, Feb. 17.
 Recording apparatus. D. E. Sunstein. 2,436,235, Feb. 17.
 Regulator: See—
 Cabin pressure regulator. Electric circuit regulator.
 Regulator and equalizer for pile fabric looms, Tension. H. H. Fonda. 2,436,067, Feb. 17.
 Regulator circuit. D. R. Gibbons and H. L. Chaney. 2,435,961, Feb. 17.
 Repair lock. L. B. Scott. 2,436,078, Feb. 17.
 Replaceable optical temple cover. J. C. Dirlam and J. I. Morris. 2,436,101, Feb. 17.
 Resin composition, Phosphorescent. G. T. Schmidling. 2,436,182, Feb. 17.
 Resinous composition of urea-aldehyde and hydrolyzed interpolymers of a vinyl ester. A. F. Smith. 2,436,080, Feb. 17.
 Resins, Aminoamide. C. S. Marvel. 2,436,363, Feb. 17.
 Resonant circuit assembly. R. H. Maxson. 2,436,114, Feb. 17.
 Reverberatory furnace. W. F. Sklenar. 2,436,124, Feb. 17.
 Rivet bucket tool. D. N. Goldberg. 2,436,295, Feb. 17.
 Rivet, Expandable. C. T. Torresen. 2,436,185, Feb. 17.
 Rod: See—
 Curling rod.
 Roll for drying continuous filaments, Microporous. J. G. Wiegink. 2,436,028, Feb. 17.
 Roof, Lifter. J. W. Allen. 2,436,348, Feb. 17.
 Rubber composition. P. E. Rollhaus. 2,436,332, Feb. 17.
 Saw treating and grinding machine. S. A. Hall. 2,436,004, Feb. 17.
 Scaffold, Swinging. R. J. Lackner. 2,435,969, Feb. 17.
 Scooter, Pedal. H. Cartmill. 2,436,199, Feb. 17.
 Screen: See—
 Protective screen.
 Sedimentation tube. J. W. Williams and E. M. Bevilacqua. 2,436,083, Feb. 17.
 Self-sealing coupling. M. A. Deming. 2,436,206, Feb. 17.
 Self-starting synchronous motor. E. L. Schellens. 2,436,231, Feb. 17.
 Separator. K. S. Wrisley. 2,436,029, Feb. 17.
 7-Dehydro-cholesterol, Production of. J. A. Callan. 2,436,195, Feb. 17.
 Severing well casings and the like in place in the well. L. F. Defenbaugh. 2,436,036, Feb. 17.
 Shaped objects, filaments, and the like, Preparation of. R. W. Upson. 2,436,156, Feb. 17.
 Shears and the like, Pruning. K. J. Klenk. 2,436,260, Feb. 17.
 Sheet feeding mechanism. S. E. Gregory. 2,436,168, Feb. 17.
 Shoe and making same, Platform type. G. A. Miner. 2,436,050, Feb. 17.
 Shoe cleaner. E. A. Stein. 2,436,234, Feb. 17.
 Shoe protector. L. A. Bestland. 2,436,187, Feb. 17.
 Shoe sole with curved ground-contacting face. E. L. Monagn. 2,435,976, Feb. 17.
 Shuttle. K. A. Gelpke. 2,436,356, Feb. 17.
 Shuttle check. N. Lamarche. 2,436,310, Feb. 17.
 Signalling system for radioactive well logging. S. Krasnow and L. F. Curtiss. 2,436,008, Feb. 17.
 Silica-zirconia catalysts and preparation. Le R. U. Spence, D. J. Butterbaugh, and D. G. Kundiger. 2,436,125, Feb. 17.
 Slip-indicating system for electrically propelled locomotives. S. F. Weybrew. 2,436,341, Feb. 17.

Smoke fume and gas ejector apparatus. R. B. Farrell. 2,436,038, Feb. 17.
 Snuffer, Cigarette. A. Jenni. 2,436,303, Feb. 17.
 Spray device for projecting molten particles. L. M. Simonsen. 2,436,335, Feb. 17.
 Stabilizing against shrinkage textile materials of regenerated cellulose. E. C. Pfeffer, Jr., and J. Epelberg. 2,436,076, Feb. 17.
 Stacker, Hay. H. J. A. Beck. 2,436,031, Feb. 17.
 Stair cover. J. Clark. 2,436,139, Feb. 17.
 Starter, Engine. D. L. Miller. 2,436,365, Feb. 17.
 Steering system for vehicles. R. L. J. B. Sanmori. 2,436,153, Feb. 17.
 Sterile needle holder. C. M. Zukerman. 2,435,994, Feb. 17.
 Stone assembly for honing tools. J. E. Kline. 2,436,215, Feb. 17.
 Strain-free, extruded shapes from organic thermoplastic materials, Production of. P. M. Cole. 2,436,201, Feb. 17.
 Strap, Adjustable lug. W. I. Bullard. 2,436,353, Feb. 17.
 Streamlined conductor cable. E. C. Craig. 2,435,956, Feb. 17.
 Suction cleaner. L. K. Acheson. 2,436,159, Feb. 17.
 Sulfonamide derivatives. P. S. Winnek. 2,436,062, Feb. 17.
 Support: See—
 Article support. Pipe tong support.
 Support for combined washing and centrifugal drying machines, Drum. E. M. Wilson. 2,436,343, Feb. 17.
 Surface combustion cracking furnace. E. O. Bennett. 2,436,282, Feb. 17.
 Switch: See—
 Coaxial switch. Disconnect switch.
 Curb feeler switch.
 Switch. H. W. Graybill and P. Olsson. 2,436,296, Feb. 17.
 System and apparatus for fuel ignition. G. M. Shipp. 2,436,079, Feb. 17.
 Table: See—
 Folding table.
 Tank: See—
 Hot-water tank.
 Tank cap lock. R. A. Myers. 2,436,016, Feb. 17.
 Tank containing conditioning material and a receptacle therewithin containing different conditioning material, Fluid conditioning. C. T. McGill. 2,435,975, Feb. 17.
 Tape cutting attachment for spoils. S. Gaydos, Jr. 2,436,166, Feb. 17.
 Target exchange device, Tow. M. L. Pyle. 2,435,980, Feb. 17.
 Television, Color. P. C. Goldmark. 2,435,963, Feb. 17.
 Television, Color. P. C. Goldmark and J. N. Dyer. 2,435,962, Feb. 17.
 Temperature control system. I. E. Wieggers. 2,436,275, Feb. 17.
 Textile product and process. R. D. MacLaurin. 2,436,219, Feb. 17.
 Thermal cracking of hydrocarbons, Process and apparatus for the. S. C. Eastwood and B. D. Drew. 2,436,254, Feb. 17.
 Tile, Refractory. N. E. Werner. 2,436,131, Feb. 17.
 Tin and antimony-tin alloy from Sb-Sn-As bearing materials, Recovering metallic. Y. E. Lebedeff. 2,436,010, Feb. 17.
 Tire and rim separating machine, Axially operating-type. A. J. Gosselin. 2,436,003, Feb. 17.
 Toilet flush tank valve. S. S. Cheliten. 2,436,035, Feb. 17.
 Tongs, Cordwood pulp. T. J. Mundahl. 2,436,053, Feb. 17.
 Tool: See—
 Portable flange serrating rivet bucket tool.
 Tool. R. E. Slater. 2,436,336, Feb. 17.
 Tool for bending the edge of a panel about a supporting flange, Pivoted. L. E. Willett. 2,436,278, Feb. 17.
 Tool indicator. P. W. Martin. 2,436,047, Feb. 17.
 Tool mechanism, Form turning. L. W. Haynes. 2,436,258, Feb. 17.
 Towing apparatus. G. J. Fleming. 2,436,000, Feb. 17.
 Toxin, Scarlet fever. J. N. Adam, Jr., and O. Durfee. 2,436,063, Feb. 17.
 Toy, Spinning. J. Woroneski. 2,436,158, Feb. 17.
 Traller, Dump. J. J. Powers. 2,436,017, Feb. 17.
 Transmission control mechanism. J. C. Anten. 2,436,186, Feb. 17.
 Transmission line, Coaxial. L. A. Bondon. 2,436,284, Feb. 17.
 Transmission mechanism, Power. G. Boggio. 2,436,033, Feb. 17.
 Transmission, Power. V. E. Matulaitis. 2,436,071, Feb. 17.
 Transmitter, Self-propelled. S. U. A. Choudhury, L. J. Clark, and A. H. Maggs. 2,436,200, Feb. 17.
 Transmitter with anode voltage modulation. M. Favre. 2,436,066, Feb. 17.
 Tray, Ash. M. F. Meadows. 2,436,012, Feb. 17.
 Tray for parallel arm drafting machines. W. J. Leinheiser. 2,436,045, Feb. 17.
 Tree, Shoe. I. L. Lesavoy. 2,436,313, Feb. 17.

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 Trimming and grooving machine. C. W. Lowe. 2,436,111, Feb. 17.
 Tripod support for signal flares. R. R. Gunderson. 2,436,298, Feb. 17.
 Trolley systems, Steadying catenary. L. W. Birch. 2,436,089, Feb. 17.
 Tube: See—
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 Tube reducing mill. G. B. Coe. 2,436,098, Feb. 17.
 Tubular lamp mounting. C. E. Dansereau. 2,436,250, Feb. 17.
 Typewriting and computing machine, Combined. H. L. Pitman. 2,436,055, Feb. 17.
 Umbrella rib tip. R. H. Morton. 2,436,321, Feb. 17.
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 Valve: See—
 Pressure responsive valve. Toilet flush tank valve.
 Valve. L. L. Aspell. 2,436,242, Feb. 17.

Vehicle brake. L. R. Buckendale and R. K. Super. 2,435,955, Feb. 17.
 Vending machine, Product. E. J. Newcomer. 2,436,223, Feb. 17.
 Ventilation of dynamo-electric machines. E. O. Mueller. 2,436,322, Feb. 17.
 Ventilator having adjustable mounting means, Portable. M. J. Winogrand. 2,436,344, Feb. 17.
 Vinyl fluoracetates and polymers derived therefrom. B. W. Howk and R. A. Jacobson. 2,436,144, Feb. 17.
 Warp stop motion for looms, Electric. V. F. Sepavich and J. C. Manoog. 2,436,021, Feb. 17.
 Warp stop motion for looms, Electric. V. F. Sepavich and J. C. Manoog. 2,436,023, Feb. 17.
 Waste machine. C. P. Smith and J. R. Pangle. 2,436,338, Feb. 17.
 Welding electrode, Resistance. Le R. Delts and I. W. Johnson. 2,436,205, Feb. 17.
 Winding apparatus. R. C. Pierce. 2,436,326, Feb. 17.
 Window, Sliding. F. Mc M. Sawyer. 2,436,020, Feb. 17.
 X-ray film viewer. F. J. Cadenas. 2,436,162, Feb. 17.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 17, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

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U. S. Patent Office

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Patents expiring: Patent Numbers 1,793,452 to 1,794,353, inclusive, issued February 24, 1931, expire February 24, 1948

Condition of Applications Under Examination at Close of Business Feb. 6, 1948

(Total number of applications awaiting action, excluding Trade-Mark Division, 163,034; Trade-Mark Division, 31,333. Oldest new case, Mar. 4, 1946; oldest amended, Jan. 25, 1946.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons, Sewerage.	May 21	May 25	3,566
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Apr. 19	Feb. 20	3,975
3. MARMELESTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus).	†Apr. 10	Oct. 29	1,581
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Apr. 22	June 6	4,045
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters.	Mar. 4	Feb. 21	2,380
6. SURLE, H., Carbon Chemistry (part).	†Mar. 22	†Jan. 16	1,830
7. HANLIN, GEORGE, Optics; Photographic Apparatus.	†Apr. 21	†Jan. 20	1,849
8. IMUS, A. E., Furniture; Racks and Cabinets.	May 16	Apr. 12	4,030
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	June 21	Mar. 28	2,402
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators; Piezo-electric Crystals.	†Mar. 11	†Feb. 1	882
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†May 14	†May 21	836
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	Dec. 12	June 13	1,958
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.	Apr. 22	Apr. 6	2,445
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	†Feb. 12	Nov. 15	1,184
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.	Sept. 9	Mar. 9	1,987
16. LOVEWELL, N. N., Telegraphy, Telephony.	†May 2	Oct. 4	1,882
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	Sept. 20	May 9	1,805
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	Aug. 15	Apr. 12	1,720
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Aug. 23	July 17	1,914
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	June 8	June 12	2,097
21. MADER, R. C., Textiles.	†Apr. 2	†Jan. 2	1,178
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	Aug. 9	June 11	1,895
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education.	June 25	Mar. 28	1,328
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	†Apr. 7	†Apr. 9	1,674
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	†Jan. 17	June 11	1,743
26. YOUNG, R. R., Electricity—Generation and Motive Power.	†Jan. 10	May 21	1,540
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush; Broom and Mop Making.	Dec. 16	Aug. 7	2,990
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Aug. 5	Aug. 10	1,238
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Oct. 10	June 5	2,915
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	†Jan. 17	Aug. 2	2,389
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	†Apr. 30	†Apr. 5	2,126
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Apr. 4	Apr. 15	2,863
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.	May 6	Mar. 26	3,473
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	July 10	Mar. 20	1,360
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 10	June 24	2,794
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Apr. 5	Mar. 29	2,026
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	†Apr. 2	Sept. 11	1,518
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber.	Oct. 10	Sept. 12	1,690
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	Mar. 30	Mar. 6	2,848
40. DRUMMOND, E. J., Receptacles (part); Packages.	†Feb. 10	Aug. 5	3,026
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	Apr. 1	Mar. 6	2,721
42. MARANS, H., Electric Signaling; Variable Transformer and Reactor Structure; Electricity, Voltage Magnitude and Phase Control Systems.	†Apr. 30	†May 20	902
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	†May 1	†Apr. 16	1,456
44. HARVEY, L. P., Refrigeration; Preserving.	Mar. 23	Apr. 18	1,312
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	June 6	Mar. 25	2,826
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	Aug. 2	May 31	1,850

NOTE.—The dates given are 1946 except where † indicates 1947.

Condition of Applications Under Examination—Continued

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
(Total number of applications awaiting action, excluding Trade-Mark Division, 153,034; Trade-Mark Division, 31,333. Oldest new case, Mar. 4, 1946; oldest amended, Jan. 25, 1946.)			
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	Feb. 14	Oct. 19	1,948
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	June 10	May 11	1,609
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification	Oct. 16	July 3	1,673
50. LEVIN, SAMUEL, Synthetic Resins	Mar. 28	Oct. 18	2,363
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications	Feb. 8	Aug. 28	1,906
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits	Nov. 22	July 17	3,827
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter; Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable	Apr. 26	Mar. 6	3,584
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications	Mar. 5	Oct. 25	1,942
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet	Jan. 7	Apr. 5	1,830
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	Mar. 21	Mar. 1	1,163
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	May 17	Apr. 26	3,551
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Mar. 4	June 24	1,371
59. SHEPARD, P. W., Chemistry; Fertilisers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 23	May 4	2,123
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants	Apr. 19	Oct. 21	1,502
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion	July 24	May 1	3,191
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	Sept. 18	May 23	1,566
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats	Mar. 28	Jan. 22	1,551
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	June 11	June 3	1,836
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors	Apr. 16	Nov. 22	1,170
66. LISANN, I., Geometrical Instruments	Apr. 5	Jan. 25	2,234
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	Aug. 7	June 7	2,081
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	Feb. 15	Oct. 4	1,622
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters	Sept. 11	May 9	1,036
TRADE-MARKS: MERCHANT, J. H.	July 5	Aug. 9	31,333
DEMONS: BREHM, G. L.	July 5	Aug. 29	8,105

NOTE.—The dates given are 1946 except where † indicates 1947

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

WILLIAM J. MONTGOMERY AND CHAMPION PAPER AND FIBRE COMPANY

KINGSLAND, COMMISSIONER OF PATENTS

No. 9407. Decided January 19, 1948

[— F.2d —; 76 USPQ 214]

1. SUIT UNDER 4915 R. S.—MOTION FOR BILL OF PARTICULARS—RULE 12(e) FRCP CONSTRUED.

Where the complaint under 4915 R. S. referred to the claims denied by the Patent Office by reference to the application serial number and described them by their numbers and by the filing date of the amendment which contains them, *Held* that under Rule 12(e) FRCP there was no basis for granting appellee's motion for a bill of particulars, since the allegations are made with sufficient definiteness and particularity to enable the Commissioner of Patents to respond to the complaint or prepare for trial without a verbatim copy of the claims in the bill.

2. SAME—SAME—SAME.

The preponderance of judicial opinion is that a trial court has no discretion, outside of Rule 12(e) FRCP, to require particularization.

3. SAME—SAME—SAME.

But even if, entirely apart from Rule 12(e) FRCP, a trial court has the inherent right, in the exercise of judicial discretion, to require a bill of particulars to be filed (which we do not decide), nevertheless some sort of necessity for particularization must be shown in order to invoke the exercise of the court's discretion. In the absence of such a showing, a court acts arbitrarily in requiring a bill of particulars.

SPECIAL APPEAL from the District Court of the United States for the District of Columbia.

REVERSED.

W. B. Morton (C. M. Fisher of counsel) for William J. Montgomery and Champion Paper and Fibre Company.

W. W. Cochran (E. L. Reynolds of counsel) for the Commissioner of Patents.

Before EDGERTON, WILBUR K. MILLER, and

PRETTYMAN, Associate Justices

WILBUR K. MILLER, J.:

The appellants sued in the District Court of the United States for the District of Columbia, under the provisions of R. S. 4915, U. S. C. A., Title 35, § 63, asking the court to authorize the issuance of a patent. Their claims, which had been held unpatentable by the Patent Office, were thus described in the complaint:

"4. The Board of Appeals of the United States Patent Office in a decision rendered on the 8th day of November, 1945, refused to allow three claims of said application

Serial No. 436,970, to wit, claims numbered 31, 32 and 33 presented by amendment filed March 2, 1944, constituting Paper No. 8 of the Patent Office proceedings with respect to said application, as will more fully and at large appear from a certified copy of such Patent Office proceedings ready in court to be produced."

Without answering, the defendant, the Commissioner of Patents, filed this motion:

"Now comes Casper W. Ooms,¹ Commissioner of Patents, defendant, and moves the Court to require the filing, by the plaintiffs, of a bill of particulars setting forth, verbatim, the claims on which they seek to have the Court authorize the issuance of a patent."

From the district court's order granting the motion, this special appeal was sought by the appellants and allowed by this court.

Authority for requiring a litigant to file a bill of particulars is contained in Rule 12(e) of the Federal Rules of Civil Procedure.² It is there provided that, before responding to a pleading, a party "may move for a more definite statement or for a bill of particulars of any matter which is not averred with sufficient definiteness or particularity to enable him properly to prepare his responsive pleading or to prepare for trial."

[1] Is it necessary for the Commissioner of Patents to have a bill of particulars from the appellants to enable him properly to respond to the complaint or to prepare for trial? Is the "matter" not averred with sufficient definiteness or particularity to enable him to do that? We think the answers to these questions are obvious. In the complaint, the application is described by the serial number assigned to it by the appellee, which identifies it in appellee's

¹After this appeal was granted, Commissioner Ooms resigned. His successor, Lawrence C. Kingsland, has been substituted as appellee.

²By an amendment, which will take effect three months subsequent to the adjournment of the first regular session of the 80th Congress, Rule 12(e) has been made to read as follows:

"If a pleading to which a responsive pleading is permitted is so vague or ambiguous that a party cannot reasonably be required to frame a responsive pleading, he may move for a more definite statement before interposing his responsive pleading."

Although the new form of the rule cannot be applied in this case, it is interesting to observe, in connection with the present discussion, the fact of revision, and the following comments in the notes to the rules with respect to the amended rule:

"References in this subdivision to a bill of particulars have been deleted, and the motion provided for is confined to one for a more definite statement, to be obtained only in cases where the movant cannot reasonably be required to frame an answer or other responsive pleading to the pleading in question. With respect to preparations for trial, the party is properly relegated to the various methods of examination and discovery provided in the rules for that purpose."

"Rule 12(e) as originally drawn has been the subject of more judicial rulings than any other part of the rules, and has been much criticised by commentators, judges and members of the bar. See . . . Holtzoff, *New Federal Procedure and the Courts*, 1940, 35-41. . ."

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files. The claims are described by their numbers, and by the filing date of the amended application which contains them, which is "Paper No. 8 of the Patent Office proceedings with respect to said application . . ." These allegations are made with sufficient definiteness and particularity to enable the Commissioner of Patents to go to his official files and unerringly to select the text of the claims in controversy. It is therefore idle to say the Commissioner cannot respond to the complaint or prepare for trial until the appellants file a bill of particulars containing a verbatim copy of the claims. Under Rule 12(e) there was no basis for granting the appellee's motion.

The Commissioner does not argue that he cannot plead or prepare for trial without the particulars which he seeks. He urges upon us that the complaint is insufficient.³ In so doing, he confuses the function of a motion for a bill of particulars under Rule 12(e) with that of a motion to dismiss for failure to state a cause of action upon which relief can be granted, permitted by Rule 12(b).⁴ The sufficiency of a complaint is not tested by a motion under Rule 12(e).

It was said in *Louisiana Farmers' Protective Union, Inc., v. Great Atlantic & Pacific Tea Co. of America, Inc., et al.*, 31 F. Supp. 483, 493, that "The purpose of a bill of particulars is to furnish the moving party with information needed to enable him to prepare his responsive pleadings and to prepare generally for trial, and a motion therefor should not be used as a forerunner of, or in the nature of a substitute for, a motion to dismiss. Questions as to the sufficiency of the complaint in the respect indicated should be raised directly and not by indirection." The quoted language seems to us to be a correct statement, since the allegations of a complaint might state a cause of action so as to be impervious to a motion to dismiss, and yet state the cause so generally as to make necessary a more definite statement to enable the defendant to know exactly what he is required to meet and to formulate a pleading in response.

The appellee argues, however, that "The granting or denial of a bill of particulars is an interlocutory matter resting within the sound discretion of the trial court and the action of such court should not be set aside unless it is found to amount to an

³ In the Commissioner's brief his "Summary of Argument" is stated in this language:

"1. This case is not part of the proceeding in the Patent Office, but is a trial de novo and is governed by the rules of the Court and not those of the Patent Office.
"2. A complaint is insufficient if it does not inform the Court as to what relief is requested.
"3. The granting or denial of a motion for a bill of particulars is a matter within the discretion of the trial court."

"That the Commissioner of Patents conceived of his motion for a bill of particulars as tantamount to a motion to dismiss is further shown by the fact that many of the cases cited by him had to do only with the latter. He cites *Cooper v. Chase & Co.*, 2 F. R. D. 381; *American Broadcasting Co. v. The Wahi Co. et al.*, 36 F. Supp. 187; *Keesbey et al. v. Rothensies*, 1 F. R. D. 626, each of which deals with a motion to dismiss. See also *United States v. Grigish Amusement Co.*, 1 F. R. D. 229, cited by the appellee. In that opinion, the court itself confused the function of a motion to dismiss with that of a motion for a bill of particulars, just as the Commissioner has done in his argument.

abuse of discretion and to work a material injustice." It cannot logically be said the trial court had discretion to grant the motion under Rule 12(e) since, as we have seen, that rule is wholly inapplicable. If the district court purported to act under the rule in requiring a bill of particulars, it acted arbitrarily. We must, therefore, ascertain whether a trial court may direct a bill of particulars to be filed for cause other than those set forth in the rule, or whether its discretion in that regard is circumscribed and confined by Rule 12(e).

[2] "The overwhelming weight of authority is to the effect that a motion for a bill of particulars or a motion for more definite statement of the claim should not be granted if the complaint sets forth a cause of action with sufficient definiteness to enable the defendant to frame an answer. Additional details that the defendant needs in order to prepare for trial should be obtained by discovery after issue is joined."⁵ In other words, the preponderance of judicial opinion is that a trial court has no discretion, outside the rule, to require particularization.

[3] But even if, entirely apart from Rule 12(e), a trial court has the inherent right, in the exercise of judicial discretion, to require a bill of particulars to be filed (which we do not decide), nevertheless some sort of necessity for particularization must be shown by the movant in order to invoke the exercise of the court's discretion. In the absence of such a showing—and none appears here—a court acts arbitrarily in requiring a bill of particulars. This is especially true when, as here, material injustice may thereby be caused to one party without overbalancing, or indeed any, benefit to his adversary.

With respect to the possibility of resultant injustice in this case, it appears the claims involved relate to a process for coating paper which is novel, the appellants say, but which can be immediately understood by a competitor reading the claims, and can be put into practice at once without new equipment or additional capital investment. It would work injustice, according to the appellants, to require them to make public the text of the claims during the interval between their disclosure in a bill of particulars and the actual trial of the case in the district court. That interval might be brief, but also it might be of substantial duration. The Patent Office recognizes that injury may result to prospective patentees by public disclosure of their patents during the pendency of their applications, and provides by rule that the applications shall not be open to public inspection. The existence of that rule shows their apprehension of injury to be well founded, say the appellants.

This argument of the appellants is described in this manner by the Commissioner:

"The appellants urge that because applications are preserved in secrecy in the Patent Office the courts should follow the same procedure."

⁵ This is the language of Judge Alexander Holtzoff, of the District Court of the United States for the District of Columbia, in *Zimmerman v. Fullah*, 5 F. R. D. 80, 81.

We do not so understand the position of the appellants. They do not ask that the whole proceeding in the district court and the record in its clerk's office be withheld from public inspection, as was requested and refused in *Ex parte Drawbaugh*, 2 App. D. C. 404, cited by the appellee. They merely protest against unnecessarily premature disclosure before trial, but expressly state in the complaint that "a certified copy of such Patent Office proceedings [is] ready in court to be produced."

The appellants' apprehension of interim injury is not convincingly quieted by this statement in the appellee's brief: "Moreover, the requirement that the claims be filed seems unlikely to result in any material hardship. The claims have been held unpatentable by two tribunals of the Patent Office and it is improbable, therefore, that their disclosure would revolutionize the art." Despite their failure in the Patent Office, the appellants have the right to proceed under R. S. 4915, and the appellee's prejudging of the merits of a proceeding thereunder cannot be said to justify an erroneous order of the district court which may do injustice to the appellants without any benefit to the appellee.

Rule 12(e), it should also be noted, requires that a motion for a bill of particulars "shall point out the defects complained of and the details desired." Here the motion points out the details desired, without indicating the defects complained of. The importance of this imperative sentence in the rule is revealed here. For, had the appellee asserted, as an alleged defect in the complaint, that it did not identify the claims with sufficient definiteness or particularity to enable him properly to respond or prepare for trial, the fallacy of the motion would have been apparent on its face.

For the reasons given, we conclude that the order of the district court was erroneous. It should be and is, set aside.

REVERSED.

U. S. Court of Customs and Patent Appeals

IN RE HUBBELL

No. 5347. Decided November 29, 1947

[— F.2d —; 76 USPQ 105]

1. INVENTION—MAKING ARTICLE INTEGRAL.

The rule that it is not inventive to make an article integral which in the prior art had been made in more than one piece, is in no sense a rule of universal application.

2. SAME—CRITERIA.

Where the article produced is novel, useful, and not anticipated by the prior art, *Held* that it should be regarded as involving the element of invention.

3. SAME—FURNACE LINING.

A certain claim to a furnace lining *Held* novel, useful and not anticipated by the prior art, and *Held* entitled to patent protection.

APPEAL from the Patent Office. Serial No. 431,376.

REVERSED.

Clair W. Fairbank (Francis D. Stephens of counsel) for Hubbell.

W. W. Cochran (H. S. Miller of counsel) for the Commissioner of Patents.

BLAND, J.:

The issue presented in the instant appeal involves primarily but one question—whether or not, under the circumstances shown by the record, it amounted to invention to make an article integral rather than in more than one piece.

The Board of Appeals of the United States Patent Office affirmed the action of the Primary Examiner in rejecting claim 10, the only claim in appellant's application for a patent, for want of invention over the prior art. From the Board's decision appellant here appeals.

The invention relates to furnace linings and the single claim here on appeal reads as follows:

10. A furnace comprising an outer shell open at the top and having a base therein adapted to support a crucible, a lining member resting freely on said base, said member comprising a preformed unitary cylindrical member open at the top and bottom and extending from said base to approximately the top of said shell, said member being formed of a single piece of refractory material and having smooth and unbroken exterior and interior wall surfaces void of lateral or vertical joints and having a burner opening in the wall thereof and being insertable and removable through the open top of the shell, and the inner surface of said member being glazed continuously over its entire area.

The references relied upon by the Examiner in his rejection of the claim are: White, 1,829,320, Oct. 27, 1931; the publication "Refractories and Furnaces" by F. T. Havard, McGraw-Hill Book Company, New York, 1912.

Appellant's furnace lining is made of a refractory material such as silicon carbide and is employed in types of furnaces where it must withstand intense heat and, more particularly, in such furnaces as are used in connection with a crucible in which non-ferrous metals are melted for making small castings. The crucible inside the furnace is, as usual in the art, heated by heating the wall of the crucible with a very high heat supplied by a flame from a high-pressure burner. The flame is projected into a vertical well formed by an annular furnace wall or shell adjacent to the lower end thereof and is directed tangentially so that it travels at high speed in a helical path upward and around the crucible, escaping at the top of the furnace.

Appellant's device comprises an outer shell of non-combustible material into which is placed the liner here in controversy. The liner must be larger than the crucible so as to permit the passage of heat around the crucible.

In the early period of the prior art such furnace walls were made in circular fashion by using fire-bricks of proper shape, and between each layer of bricks cement was placed. Necessarily in the construction of such prior art devices it was difficult to so position the bricks as to make a smooth, uniform surface or to make the furnace truly cylindrical with each portion of the wall equally spaced from the crucible therein. This kind of built-in liner had a comparatively short life because, as the flame traveled over its irregular surface, the cement in the joints was caused to disintegrate and be swept away, leaving more irregularities which harmfully

affected the flame action on the crucible and resulted in taking a longer time to melt the metal in the crucible. Such conditions also affected the life of the crucible which became eroded from the impact of the direct flame.

It was necessarily in the prior art to frequently shut down operations and tear out the eroded liner and build a new one in its place. This, in the early period of the art, required laying the brick inside the furnace and cementing between each layer. Such construction required the removal of the crucible and the complete cooling of the structure.

The White patent discloses a furnace lining to be used under circumstances similar to those under which that of appellant is used, made of a plurality of circular or continuous ring units, each of which is made of suitable highly refractory material and is of such character that it may be readily installed in the shell of the furnace by lowering each preformed unit from the open top of the furnace. A thin layer of cement is provided between the rings which, White states, results in "producing in effect a one-piece mass lining."

White departed from the prior art teaching and evidently recognized that a smoother inner surface could be obtained in proportion to the number of joints in the wall which he could eliminate.

The reference to the publication cited above need not be explained here in detail since it is cited only to show that it was old in the art to glaze continuously the entire area of the lining as is taught by appellant and recited in the appealed claim. The Board did not discuss this phase of the case and it was the position of the Examiner that in view of said reference it would not be inventive to glaze the lining. Appellant urges the importance of this feature in the claim. However, in view of our conclusion on the main issue, it is unnecessary for us to discuss in detail our views on the glazing question, although under other circumstances it might be a matter of considerable importance. Appellant argues that his furnace is the first that was ever glazed over its entire area and that if White glazes his furnace before it is installed he must necessarily glaze only the face of the sections, leaving the cement portions unglazed. Appellant points out that glazing a unitary article involves different problems and brings about a different result from the glazing on the inside of a lining after installation in the shell.

The Examiner's rejection of the appealed claim, aside from the question relating to the glazing, was based upon the theory, for the most part, that it did not involve invention to make integral that which had previously been made in parts. As to the affidavits submitted by appellant the Examiner stated:

"... no attempt is made to refute any statement made therein, as they are all accepted as substantially correct."

The Board of Appeals, as before stated, omitted to discuss the glazing question but based its approval of the Examiner's rejection, for the most part, upon the ground stated by the Examiner that

in view of the suggestions in the White patent it did not amount to invention to make in one piece what had been previously made in two or more pieces. The Board said:

"It is recognized in the White patent that joints in furnace linings are objectionable due to the tendency of the joints to burn out and the patent teaches clearly the advantage of reducing the number and size of the joints to a minimum. White's object was to provide a lining which, as stated in his claim, afforded 'a substantially smooth and uninterrupted surface for the passage of the gases of combustion thereover.' The patent discloses the lining built up of massive rings of refractory material with a thin layer of cement between adjacent rings, stating that this produces 'in effect a one-piece mass lining.'"

Appellant even eliminates the thin cement layers between the rings by making the whole lining actually in one piece. However, it seems to us that the difference in the smoothness of the White lining and appellant's lining is merely a difference in degree and since White taught the desirability of eliminating the joints appellant's one-piece lining does not involve invention over the lining disclosed in the White patent.

From the above it is observed that the rejection of the tribunals below was based upon the premise that invention was not involved in making a one-piece lining where heretofore it had been made in more than one piece and that White suggested the desirability of having a smooth surface and that he suggested this could be brought about by reducing the number of joints.

[1] The trouble with this conclusion is that the rule stated, that is, that it is not inventive to make an article integral which in the prior art had been made in more than one piece, is in no sense a rule of universal application. It is freely admitted that there are many notable exceptions to this rule and numerous cases are cited by the respective parties hereto which illustrate the manner in which the rule has been applied or held not to apply. We are of the opinion that the facts of record present a case where the rule should not be applied, notwithstanding White's suggestion.

White recognized the fact that the crumbling walls and the uneven surface brought about by the presence of joints and by the cement material coming in contact with the spirally moving flame were undesirable, but all he did about it—or apparently thought he could do about it—was reduce the number of these joints from the number which had prevailed when each brick was joined together in making a circular lining of brick. He had no thought of eliminating all the joints and it seems to us that if he had thought it possible to do so and thereby produce a liner that could properly function if made in one piece he would have so made it and carried out his notion of eliminating as many joints as possible.

No one in the prior art ever made a furnace lining of this type in one piece. White's patent is sixteen years old. No doubt he made an improvement over the art which was prior to him (which improvement was regarded as inventive by the Patent Office), and we think the improvement made by the appellant is such an advancement in the art that the inventor should have patent protection.

In the prosecution of the case in the Patent Office four affidavits were submitted, one by the president of the company-assignee of appellant's application and three by disinterested persons now using appel-

lant's device. They had formerly used the prior art devices or the White device and they pointed out the particulars in which appellant's liner is far superior to the others and stated in detail the many advantages flowing from the use of the one-piece liner. These advantages are recognized by the Patent Office and are of such interest as to justify recitation here. Compared with the prior art liners, this prebuilt, prefired, and preglazed liner has the following advantages:

1. It has uniform dimensions with a smooth, unbroken inner surface, all portions of which are glazed.
2. By prebuilding, prefiring and preglazing, much time is saved in changing from the old to the new; the entire cooling-off of the unit is not required; no special care is required in positioning the lining.
3. On account of its single-piece construction it has uniform expansion and contraction (it being remembered that the bottom and top of the furnace is covered by flat top and bottom pieces of refractory material).
4. Having no joints, there is no mortar or cement and different units do not vary in proportion to the skill of the bricklayer or the workman installing them.
5. It is readily installed without the necessity of employing skilled workers.
6. It retains its original shape and size to a greater degree than the furnaces of the prior art, offers no obstruction to the flame, and causes the heat to be applied uniformly to the inside crucible.
7. It makes for quicker heating of the crucible and its life is greatly extended.
8. It remains cleaner and smoother for a longer period of time, and the same applies to the crucible contained therein.
9. Its repair and up-keep, owing to the facts aforesaid, are at greatly reduced time and cost.

The parties making the affidavits of record, being users of appellant's device and who so highly commend it, never thought of doing what appellant did, notwithstanding White's suggestion and their familiarity with the White device, and it seems to us that it was the unobvious thing to do and no doubt was the successful result of a trial which had been intentionally avoided by others.

We are in disagreement with the view of the Board that the smoothness of the inside surface of the liner obtained by appellant is only a question of degree. Appellant seems to have done that which the art tried to avoid for some reason, notwithstanding the fact that the importance of the smoothness of the interior surface was recognized. Appellant solved the problem that confronted White and the art which preceded White, and the gratuitous statement on the part of the Examiner to the effect that it was perhaps impossible to "prepare it [a firing furnace] suitably for shipment and in readiness for a suitable furnace lining" is beside the point. Appellant not only taught how to do it, but the record shows it is successfully done, and it is obvious to us that it could be done in furnaces of certain sizes and dimensions.

As to the rule that it ordinarily does not connote invention to make in one piece what had previously been made in more than one piece, it was freely admitted in oral argument that there are notable exceptions to this rule. Many exceptions are pointed out in appellant's brief, and instances where the rule has been applied are cited by the Solicitor for the Patent Office.

This court has on several occasions passed upon this exact question and made exceptions to the general rule. In *In re Reckford*, 20 CCPA (Patents)

826, 62F.2d 842, 16 USPQ 129, 429 O. G. 3, this court was confronted with a question quite similar to that at bar. It involved a rubber eraser attachment for lead pencils. The court pointed out that the applicant's device was "nonadjustable, integrally formed, simple in construction, producible at low cost, commercially practicable, and adapted to accommodate an eraser" of the proper kind, and held that it was novel, useful, and entitled to patent protection. We there said:

"We are unable to agree that the solution of the problem confronting appellant was as simple as stated by the tribunals of the Patent Office. Neither of the references referred to by the Board of Appeals . . . anticipates the invention defined by the appealed claim. Furthermore, those references do not suggest, either separately or in combination, appellant's novel structure, nor the useful results obtained therefrom. It is true, as stated by the Board of Appeals, that appellant's device is a simple one. However, when considered in the light of its accomplishment and the state of the prior art, its simplicity is the determining factor that brings us to the conclusion that the exercise of the inventive faculties was required to produce it, and that it was not obvious to one of ordinary mechanical skill. In the case of *Potts v. Creager*, 155 U. S. 597, the Supreme Court, among other things, said:

" . . . The apparent simplicity of a new device often leads an inexperienced person to think that it would have occurred to any one familiar with the subject; but the decisive answer is that with dozens and perhaps hundreds of others laboring in the same field, it had never occurred to any one before. The practised eye of an ordinary mechanic may be safely trusted to see what ought to be apparent to every one. As was said by Mr. Justice Bradley, in *Loom Company v. Higgins*, 105 U. S. 580, 591: 'Now that it has succeeded, it may seem very plain to any one that he could have done it as well. This is often the case with inventions of the greatest merit.' . . ."

In *In re Otto et al.*, 28 CCPA (Patents) 1328, 121 F.2d 553, 50 USPQ 149, 532 O. G. 255, the court, in reversing a Patent Office decision relating to an adjustable multiple groove sheave which carried belts for the transmission of power, stated:

" . . . In other words, the only question presented is whether or not, under the particular circumstances of this case, it would amount to invention to make a part integral which in the prior art had been in two pieces. In most instances in which such a question has been presented, it has been held that as a general proposition it does not amount to invention to make integral that which has theretofore been in two or more parts. There are notable exceptions to this rule. The law is well stated in *Canda et al. v. Michigan Malleable Iron Co.*, 124 Fed. 486, 493, as follows:

" . . . While it is true that there is no invention in making into one whole that which was before in the same form, but in detachable parts, when there is no further consequence, yet it is also true that, if such change produces a more useful result, there may be a quality of invention in making it. . . ."

These claimed improvements and beneficial results flowing from appellants' device are not disputed by anyone, and we think that it is a matter of great importance in this case. Something more has been accomplished than merely making one piece out of two. One piece has been made of two under circumstances where beneficial results admittedly are obtained and, in our opinion, bringing about these results required more than the exercise of mere mechanical skill.

We there cited *In re Both*, 18 CCPA (Patents) 863, 46 F.2d 362, 8 USPQ 249, 404 O. G. 536, in which the following was said:

"We have examined the references with much care, and it is apparent that there is nothing novel in the form or make-up of appellant's device, unless it be in the molding of one unit, as we have above indicated. . . ."

" . . . None of the references cited by either the Examiner or the Board of Appeals seem to incorporate the idea which the applicant has suggested, namely, a device consisting of one part completely insulated, to be used as an electric outlet receptacle. There is much merit in his contention that such a device will be safe, economical, and easy to install. It may be claimed that the McBean reference, inasmuch as it shows a cementing of various parts, teaches the art of making a receptacle of one piece, and that applicant's idea is rather that of a

process than of a device. We are of the opinion, however, that there may be, and probably is, a clear distinction between a device made of one or more parts cemented together and one which is made as a whole. * * * Certainly, no one else, so far as the references disclose, has suggested this idea.

To the same effect, see *Krementz v. The S. Cottle Co.*, 148 U. S. 556, 69 O. G. 241, which involved a metal button formed of a single sheet instead of joining several parts together as shown by the prior art.

See also *In re Daniel*, 17 CCPA (Patents) 605, 34 F.2d 995, 3 USPQ 63, 389 O. G. 270; *In re Wickersham*, 22 CCPA (Patents) 969, 75 F.2d 214, 24 USPQ 368, 455 O. G. 747, and *In re Helmond*, 29 CCPA (Patents) 795, 124 F.2d 222, 52 USPQ 101, 538 O. G. 248.

[2], [3] We think in cases like that at bar where the article produced is novel, useful, and not anticipated by the prior art that it should be regarded as involving the element of invention, notwithstanding the simplicity of the inventive thought when once arrived at, and that what appellant has done, judged by any standards announced by the courts, is entitled to patent protection. The decision of the Board of Appeals is reversed.

REVERSED.

U. S. Court of Customs and Patent Appeals

THURSTON V. WULFF ET AL.

No. 5368. Decided November 29, 1947

[164 F.2d 612; 76 USPQ 121]

1. INTERFERENCE—REDUCTION TO PRACTICE—INDEPENDENT CORROBORATION REQUISITE.

Long experience by the courts and others interested in patent jurisprudence has, with singular unanimity, brought forth the emphatic conclusion that independent corroboration of an inventor's testimony is absolutely requisite in determining the acceptability of such testimony as proof of reduction to practice.

2. SAME—PRIORITY—NITROPIMELIC NITRILE.

Held that the Board properly awarded priority of invention of the interference count involved to the senior party, and its decision so doing is affirmed.

APPEAL from the Patent Office. Interference No. 80,858.

AFFIRMED.

James Edwin Archer for Thurston.

Michael L. Looney for Wulff et al.

BLAND, J.:

The sole question involved in the instant appeal from the decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention of the single count in issue to appellees in whether or not there was, on the part of appellant, Thurston, timely reduction to practice.

There is no serious contention in this case that Thurston was not the first to conceive the invention and there is no claim by anyone that if Thurston did not reduce to practice he was diligent during the critical period.

The count in issue is as follows:

1. γ -nitropimelic nitrile.

Testimony was taken by Thurston. Appellees relied upon their filing date—July 26, 1941. Thurston filed his application on December 30, 1941.

In view of our conclusion it will not be necessary to state all the facts disclosed by the record, but we shall set out the salient points thereof which we think necessary to a decision of the case.

γ -nitropimelic nitrile is a compound which is sometimes referred to in the record as 3 nitro-1,5 dicyano petane and may be prepared by reacting acrylonitrile with nitromethane in various solvents.

There is in evidence, as Thurston Exhibit No. 12, a small bottle containing a sample of the compound which Thurston testified was prepared by him on April 5 and 6, 1939. The importance and significance of this exhibit will be commented upon later. The sample is a white, powdery, crystalline substance, having somewhat the appearance of salt.

Thurston has adduced the testimony of seven witnesses, all of whom were employees in various capacities of the American Cyanamid Company of Connecticut. In addition to Thurston, the witnesses testifying on behalf of the junior party were: Donald G. Patterson, John H. Fletcher, Margaret D. Humm, Thelma G. Bills (all of whom were chemists, the latter two being in the analytical laboratory), Robert C. Swain (director of the chemical research division), and James Edwin Archer (patent attorney for the company).

Thurston testified that he had been employed for seven years as a chemist for the American Cyanamid Company, the major part of his work there being in the field of organic nitrogen chemistry and in the field of amino aldehyde resins. Supporting his recital of events by entries in various notebooks, which were introduced in evidence as exhibits, Thurston stated that he first conceived the idea of reacting γ nitro butyronitrile with acrylonitrile to form γ -nitropimelic nitrile on March 22, 1939, and that he began the first preparation of γ -nitropimelic nitrile on April 5, 1939, and completed it on April 6, 1939. According to his testimony, he prepared the compound by the reaction of nitromethane and acrylonitrile in the presence of liquid ammonia, purified the same, and tested the purified product in various ways and determined its melting point.

Thurston identified Exhibit 12, referred to above, as being a sample of the γ -nitropimelic nitrile prepared by him at that time and stated that the inscription on the label of the bottle—"230-1-6-66", "M. P. 65-66", and his name—was in his handwriting, and that the sample was placed in the bottle on April 10, 1939. Thurston testified that he sent a request for an analysis of a sample marked "230-1-6-66" to Mr. W. H. Harding, who was the technical director of the technical service division of American Cyanamid, and that it was the customary practice to route all requests for work through Mr. Harding. This request was made on or before August 2, 1939. Thurston identified a photostat of a report of the Micro Analytical Laboratory of the carbon, hydrogen, and nitrogen analyses of the sample submitted with his request mentioned above, and

he testified that he received this report approximately August 12, 1939, and that the analyses prove that the compound was γ -nitropimelic nitrile. Thurston stated that the bottle and its sample contents were returned to him after completion of the analyses and had been in his custody until he gave the same to Mr. Archer of the patent department. According to Thurston's testimony, Archer was present when he produced γ -nitropimelic nitrile on April 5 and 6, 1939.

Archer testified by deposition, and from his testimony we quote the following pertinent portions:

* * * Deponent observed Dr. Thurston adding nitromethane to liquid ammonia contained in a Dewar flask which resulted in precipitation of some material within a short time. Thereafter Dr. Thurston added acrylonitrile to the contents of the Dewar flask and agitated the reacting mixture which was reddish in color. Shortly thereafter Dr. Thurston showed deponent the product which had been recrystallized from the reacting mixture previously observed, and this product was a white crystalline solid the crystals being rather fine needles;

* * * The foregoing observations of Dr. Thurston's reaction of nitromethane with acrylonitrile in the presence of liquid ammonia and the product thereof took place in the spring of 1939;

* * * During the summer of 1939 deponent requested Dr. Thurston to supply deponent the necessary details covering the reaction of nitromethane and other nitroparaffins with acrylonitrile and the products produced according to that reaction for the purpose of preparing a patent application, and that at that time Dr. Thurston stated that he had never had the sample of white crystalline material which he had obtained by reacting nitromethane and acrylonitrile in liquid ammonia analyzed, and therefore, he thought that this should be done first in order to determine what he had obtained. In deponent's presence Dr. Thurston thereupon placed the white crystalline solid in a small sample bottle and inscribed the Code No. 230-1-6-66 of the preparation of his compound on a label together with the melting point which he had determined, and his name, and affixed the label to the bottle;

* * * Deponent believes and therefore avers that the bottle containing the white needle-like crystalline solid bearing a label having the Code No. "230-1-6-66, M. P. 65-66", Thurston" which has been introduced into evidence as Thurston Exhibit No. 12 is the same bottle and contains the same material which was mentioned in the preceding paragraph.

Archer stated he was shown a report by the analytical division which purported to be an analysis of this sample and, according to Archer, Thurston stated this analysis showed that the white crystalline compound was γ -nitropimelic nitrile. On cross-examination of Archer the following question and answer appear of record:

QX1. You state that on one occasion you saw Dr. Thurston react acrylonitrile with nitromethane in liquid ammonia. How did you identify these compounds? A. I did not analyze them. They were taken from bottles labelled in the customary fashion.

Swain testified that he was employed as a group leader in the research division of American Cyanamid and that Dr. Thurston was a member of the group under his direction in 1939. He stated that he knew that Thurston reacted acrylonitrile with nitromethane and the following is quoted from the cross-examination of this witness:

QX3. You mentioned that you knew that Dr. Thurston reacted acrylonitrile with nitromethane. Did you participate with Dr. Thurston in carrying out that reaction, and if so, to what extent? A. My participation in this particular reaction was mainly that of an onlooker. I was aware of the work being done and remember observing the apparatus during the course of the work.

Swain also testified on cross-examination that in reacting acrylonitrile and nitromethane three compounds theoretically might result, that is to say, "when there is no data to guide the conditions of

the reaction, it could be expected that mixtures will result."

The testimony of Humm and Bills shows that they analyzed a compound in August, 1939, which was sent to them by Dr. Thurston. The report of this analysis, which they identified and which is in evidence as an exhibit, represents the results of a carbon, hydrogen, and nitrogen analysis on a sample of material marked "230-1-6-66."

Patterson, another of the chemists employed by American Cyanamid, testified that γ -nitropimelic nitrile was prepared in his laboratory as a result of a suggestion made to him by Dr. Thurston and that this material was made prior to September 28, 1939, by John Fletcher, a laboratory assistant employed there for the summer. Patterson further testified he had hydrogenated the product made by Fletcher, that he had purified and titrated the hydrogenated product to determine its amine number, and that the test showed the product to be a triamine of the expected composition.

Fletcher's testimony was to the effect that he received orders from Patterson to prepare γ -nitropimelic nitrile from nitromethane and acrylonitrile and that he did not know what became of the material after he prepared it.

The Board, in discussing the proof said:

A summary of all this testimony indicates that Archer saw a process carried out which should allegedly result in the compound of the count. It has not been established that he saw the product isolated and purified. After the alleged purified sample was shown to him by Thurston it apparently remained in Thurston's custody until some later date when it was bottled, given a code number and apparently analyzed. After this analysis was completed, the sample was again returned to Thurston and remained in his custody until the commencement of the present proceedings.

These facts become of considerable importance in the instant case, for Archer, who was the principal corroborating witness, apparently had to rely on Thurston for the identification of the original substance as well as for the reidentification thereof on two later occasions. Archer did not and apparently could not testify of his own knowledge that the product first shown him by Thurston was in fact the product of the process he had previously witnessed. Moreover, Archer could not know of his own knowledge that the product he later saw being labelled 260-1-6-66 was the same as that previously shown to him by Thurston.

Finally, Archer could not know of his own knowledge that the contents of the present Exhibit 12 was the same as that originally placed in the bottle in his presence several years before. His uncertainty on this latter point is clearly shown in his own testimony where he states:

That deponent believes and therefore avers that the bottle containing the white needlelike crystalline solid bearing a label having the Code No. "230-1-6-66, M. P. 65-66", Thurston" * * * is the same bottle and contains the same material which was mentioned in the preceding paragraph.

This testimony clearly shows that Archer commendably recognized that his knowledge concerning the contents of Exhibit 12 is, in the final analysis, dependent on Thurston. The fact that he "believes" the contents to be as stated undoubtedly shows his confidence in Thurston, but for our purposes his testimony is necessarily hearsay, and deponent's complete confidence in Thurston cannot lend any additional weight to such testimony.

It must be further recognized also that it is not only in the interim between the labelling of the compound "during the summer of 1939" and up to "May 1944" that the compound was in Thurston's possession and accordingly that its identity was dependent on him.

As stated before, there is no suggestion in Archer's testimony that he saw the alleged compound isolated. Rather, the product was apparently shown to him sometime after the alleged preparation. From Thurston's testimony it would appear that this period was at least four or five days.

Again, it appears that some time transpired between this first showing which apparently took place "in the spring of 1939" and the second showing at the time of the labelling "during the summer of 1939". In each of these instances the compound came from, and went back into

Thurston's custody. In other words, Thurston showed the compound to deponent in each case.

Under the circumstances it is difficult to see how Archer could know of his own knowledge what the identity of the compound really was at any time, or that he could know that it resulted from the reaction which he had previously observed.

In view of the consistent and strict requirements for corroboration of an applicant's testimony which has been laid down in repeated decisions of the Court of Customs and Patent Appeals, it is not believed that the testimony of Archer suffices to establish that Thurston actually prepared the compound of the count.

At this point a number of authorities were cited, principally decisions of this court. The Board continued:

A further weakness exists in the present case inasmuch as the significance of the analytical tests for C, H, and N are not explained. Thurston stated simply that the tests proved that the compound was γ -nitropimelic nitrile and this is essentially repeated by Archer. In the total absence of explanation as to how this conclusion was reached it is not believed that the tests can be considered so conclusive. It must be emphasized that a test that agrees with the theoretical C, H and N content of a desired compound does not necessarily prove the identity of the same compound. In the instant case there was the additional element of oxygen present which was not determined and no molecular weight determination appears to have been made.

In view of the limited testimony bearing on this test data we cannot find that Thurston has established with reasonable certainty that the compound tested was in fact that called for in the count.

Swain's testimony also relates generally to Thurston's work, but Swain was Thurston's superior and the most that can be ascertained from his testimony is that he saw Thurston react acrylonitrile and nitromethane. It is not clear that he saw any product. He expressed however that the product of such a reaction would be impure and would theoretically consist of a mixture of three compounds. His testimony therefore does not contribute anything essentially toward establishing the preparation and identification of the compound of the count beyond that already testified to by Archer.

Since it cannot be found that the identity of the compound prepared by Thurston has been adequately established it follows that he has failed to establish reduction to practice of the compound of the interference count in 1936 [sic].

Following the work of Thurston in 1936 [sic] there is a further record of the alleged preparation of the compound of the count by Fletcher in 1939. A record of this experiment appears in Exhibits 16 and 17 which are two pages of Fletcher's notebook.

It appears that Fletcher received orders from Patterson to prepare γ -nitropimelic nitrile which compound was later to be hydrogenated to the triamine.

Fletcher reacted nitromethane with acrylonitrile but apparently did not purify the resulting product. He further stated that he did not know what became of the material after he prepared it.

Patterson next testified that he had hydrogenated the product that Fletcher had made and that he had purified and titrated the hydrogenated product to determine its amine number. He stated that the test showed the product to be "a triamine of the expected composition".

Here again as in the case of Thurston's work we have the question of the identity of the product prepared by Fletcher. In view of testimony by Swain that mixtures resulted from the reaction of nitromethane and acrylonitrile, it is difficult to see how Fletcher could have produced a pure product and no purification was apparently carried out by either Fletcher or Patterson.

Therefore, when Patterson says that the product of the reducing step proved to be "a triamine of the expected composition" it does not appear to contribute much toward identity of the original compound from which the amine was made. This is especially true in the absence of any records of the amine tests and the further admission by Patterson that it is not possible to positively identify a compound by its amine number. Since the amine in this case is one step removed from the product of the count it follows that any uncertainty as to the composition and structure of the amine would introduce even greater uncertainty into the composition of the parent material.

It must be found accordingly that it has not been established with reasonable certainty that the product made by Fletcher was in fact the γ -nitropimelic nitrile of the interference count.

Having found that the junior party has failed to establish that he reduced to practice prior to the senior party's filing date it remains only to consider the possibility of early conception coupled with reasonable diligence extending from just prior to the Wulff et al. filing date and up to Thurston's filing date. This issue may be disposed of by observing that during this critical period between the

two filing dates, there is no record of any activity on the part of Thurston.

The result is that the junior party Thurston cannot prevail in this interference.

Certain phases of the testimony other than the pertinent portions we have set forth above may appear in the quotation from the Board's decision. We have quoted the entire discussion of the subject made by the Board because it seems to be a proper resumé of the testimony and its conclusion therefrom is fully justified.

In this court Thurston's chief complaint is against the strictness of the rule, in cases of this character, of the necessity for corroboration of the testimony of an inventor. With great earnestness, appellant has pointed out the hardship on junior parties in chemical cases such as that at bar which results from the strict application of the rule. After pointing out that there are only a few instances in the entire field of law where the strict rule of corroboration is applied, appellant argues that the rule should not be applied with its usual strictness in chemical cases where new compounds emanate from large and well-conducted laboratories in the ordinary course of business and procedure.

Appellant points out that in some instances respectable authority has criticized the application of the patent law rule of the necessity for corroboration and insists that the proper rule to apply is to the effect that if the testimony is convincing, and particularly if it is supported by other facts and circumstances which strengthen the testimony of the inventor, it should be regarded as sufficient. He points out that in well-conducted, large laboratories such as the one involved in the case at bar and in other well-operated business establishments where well-kept books and records are prepared and complete data on experiments properly compiled and filed there is not much opportunity for fraud being perpetrated and that, under such circumstances, there is little likelihood that the inventor's testimony would involve perjury.

We are in sympathy with the contentions of appellant that the application of the harsh rule of independent corroboration, as the doctrine is sometimes referred to, works a great hardship in many cases where there is not the least suspicion of fraud or perjury and where the testimony, under other circumstances, would be regarded as convincing and accepted as sufficiently probative.

Nevertheless, we cannot agree with the proposition that no corroboration of an inventor's testimony is necessary. An inventor's testimony, however, might be corroborated by facts and circumstances other than by an independent witness. Such proof or evidence should be independent of the testimony of the inventor and should not consist of self-serving documents prepared by him or under his direction, nor should it be based upon facts the truth of which depends upon information received from the inventor.

This is not the first time that this court has been confronted with circumstances where, although it seemed reasonable to conclude that the inventions

emanated from the sources claimed by the inventors, who worked in well-conducted laboratories, we were required, by reason of the necessity for corroboration, to reject the proof offered. *Collins v. Olsen*, 28 CCPA (Patents) 1017, 102 F.2d 828, 41 USPQ 220.

[1] In order to liberalize the rule sufficiently to meet the expressed views of appellant and to justify our acceptance of the proof rejected by the Board in this case as establishing reduction to practice, the well-settled practice in this connection would necessarily have to be discarded, and we think more harm would result to patent jurisprudence than any benefits that might be derived by doing so. In other words, long experience by the courts and others interested in patent jurisprudence has, with singular unanimity, brought forth the emphatic conclusion that independent corroboration of an inventor's testimony is absolutely requisite in determining the acceptability of such testimony as proof of reduction to practice.

The Board pointed out the particulars in which appellant's proof has failed to meet the requirements of the law and we cannot express it any better than it is expressed in the Board's decision. Suffice it to say, in conclusion, that there is no corroboration as to the starting material, but even if there were there is no corroboration that the material Thurston bottled in the presence of Archer was the material received by the analysts or that the

material analyzed was the identical material which was later returned to Thurston and then given by him to Archer, the patent lawyer. Under ordinary circumstances it would be reasonable to conclude that events happened just as is claimed. There is no suspicion of any attempt on the part of any of the witnesses, all of whom are of high character, to falsify or make misleading statements. But if the settled rule is applied under circumstances such as those at bar, and we think it must be applied, no other conclusion can be arrived at except that which the Board reached.

[2] Thurston seems to claim in this court that a separate reduction to practice is established by the testimony of Fletcher and Patterson. The Board pointed out, and we think properly, that this testimony has the same defects as that relied upon with respect to Exhibit 12. If Thurston's proof fails by reason of lack of corroboration and proof of identity to meet the requirements of law it is not seen how the weaker testimony of Fletcher and Patterson could be accepted as proof of another and separate reduction to practice.

It follows that the Board properly awarded priority of invention of the interference count involved to the senior party, appellee, and its decision so doing is affirmed.

AFFIRMED.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,805,085, L. J. Grubman, Eye mounting for dolls; 1,865,475, S. Marcus, Movable eye set for dolls; 2,254,232, same, Doll eye and method of making same; 2,254,231, same, Manufacture of doll eyes; 2,280,245, same, Manufacture of doll eye assembly, D. C. N. J. (Newark), Doc. 10914, *Margon Corp. v. Sanico Products Corp. et al.* Consent judgment favor plaintiff for injunction Dec. 30, 1947.

1,865,475. (See 1,805,085.)
1,886,129. (See Des. 118,618.)
1,893,612. (See Re. 20,283.)
2,032,254. (See Re. 20,283.)
2,080,521. (See Des. 118,618.)

2,150,315, Briod & East, Process for producing vitamin food products; 2,150,316, same, Vitamin concentrate and process for producing same, D. C., N. D. Ill., E. Div., Doc. 46c2045, *Vitamins, Inc., v. National Oil Products Co.* Dismissed Jan. 15, 1948.

2,150,316. (See 2,150,315.)
2,177,610. (See Des. 109,444.)
2,202,983. (See Des. 118,618.)
2,254,231. (See 1,805,085.) 2,254,232. (See 1,805,085.)
2,280,245. (See 1,805,085.)
2,291,689. (See Des. 118,618.)
2,372,775. (See Re. 22,720.)

2,390,636, 2,397,229, L. J. Biro, Writing instrument, D. C., N. D. Ill., E. Div., Doc. 46c1869, *Etterpon Sociedad Anonima Financiera et al. v. Hamilton Ross Jet Flow Corp.* Consent decree for injunction Dec. 12, 1947.

2,397,229. (See 2,390,636.)

2,416,204. (See Re. 22,411.)

Re. 20,283 (of 1,893,612), F. W. Caldwell, Propeller; 2,032,254, same, Adjustable pitch propeller, filed Dec. 15, 1947, D. C., E. D. Pa., Doc. 8012, *United Aircraft Corp. v. Senech Corp. et al.*

Re. 22,077. (See Des. 118,618.)

Re. 22,411, E. F. Nelson, Welding organization; 2,416,204, T. Nelson, Vented molding ferrule for electric stud welding, filed Jan. 22, 1948, D. C. N. J., Doc. 10989, *T. Nelson et al. v. K. S. M. Products, Inc., et al.*

Re. 22,720 (of 2,372,775), A. H. Gerhardt et al., Automatic ironing machine, filed Jan. 9, 1948, D. C., N. D. Ill., E. Div., Doc. 48c30, *Horton Mfg. Co. v. Thor Corp.*

Des. 109,444, R. Ehrlich, Sun shield; 2,177,610, same, Eye shield, D. C., S. D. N. Y., Doc. 8/291, *Lapin Products, Inc., v. Merchandise Distributors, Inc.* Order dismissing cause for lack of prosecution Dec. 11, 1947.

Des. 118,618, H. Dreyfuss, Casing for a suction cleaner; Re. 22,077, W. H. Kitto, Suction cleaner; 2,202,983, 2,291,689, V. E. Carlson, same; 1,886,129, D. G. Smellie, Suction cleaner agitator; 2,080,521, H. B. White, Suction cleaner, filed Jan. 6, 1948, D. C., N. D. Ill., E. Div., Doc. 48c11, *The Hoover Co. v. Eureka Williams Corp.*

T. M. 52,661. (See T. M. 54,331.)

T. M. 54,036. (See T. M. 54,331.)

T. M. 54,077. (See T. M. 54,331.)

T. M. 54,331, Gorham Mfg. Co., Electroplated hollow ware, or silver plated flatware, etc.; T. M. 52,861, same, Silver polish; T. M. 54,036, same, Leather purses and hand-bags; T. M. 54,077, same, Umbrellas and parasols; T. M. 54,597, same, Leather writing sets, etc.; T. M. 54,763, same, Sterling and solid silver hollow ware, etc.; T. M. 175,293, same, Pens, pencils, writing paper, etc.; T. M. 177,429, same, Certain named smokers' articles; T. M. 178,224, same, Carving knives, forks, spoons, etc.; T. M. 178,518, same, Certain named articles made in part of sterling silver; T. M. 179,558, same, Certain named crockery and porcelain ware; T. M. 192,793, same, Metal statuary, memorial tablets, etc.; T. M. 193,167, same, Electric lamp or electroliners; T. M. 302,342, T. M. 321,398, same, Clocks, watches, and parts thereof, filed Dec. 19, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1828, *Gorham Mfg. Co. et al. v. Gorham Lamp Corp.*

T. M. 54,597. (See T. M. 54,331.)
T. M. 54,763. (See T. M. 54,331.)
T. M. 175,293. (See T. M. 54,331.)

T. M. 177,429. (See T. M. 54,331.)
T. M. 178,224. (See T. M. 54,331.)
T. M. 178,518. (See T. M. 54,331.)
T. M. 179,558. (See T. M. 54,331.)
T. M. 192,793. (See T. M. 54,331.)
T. M. 193,167. (See T. M. 54,331.)
T. M. 302,342. (See T. M. 54,331.)
T. M. 321,398. (See T. M. 54,331.)

T. M. 355,645, T. M. 390,929, Kaylon, Inc., Pajamas, filed Nov. 3, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1567, *Kaylon, Inc., v. Kalan Uniform Co.*

T. M. 390,929. (See T. M. 355,645.)

T. M. 418,949, Benrose Fabrics Corp., Dresses, blouses, playsuits, pinafores, etc.; T. M. 422,622, same, Textile fabrics in the piece, filed Nov. 19, 1947, D. C., N. D. Ill., E. Div., Doc. 47c1662, *Benrose Fabrics Corp. v. Ben Rose.*

T. M. 422,622. (See T. M. 418,949.)

NOTICES

Extension of Time for Renewing Trade-Mark Registrations: Denmark

By the President of the United States of America A PROCLAMATION

WHEREAS by the act of Congress approved July 17, 1946, 60 Stat. 588, the President is authorized, under the conditions prescribed in that act, to grant an extension of time for the fulfillment of the conditions and formalities for the renewal of trade-mark registrations prescribed by section 12 of the act authorizing the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and protecting the same, approved February 20, 1905, as amended (15 U. S. C. 92), by nationals of countries which accord substantially equal treatment in this respect to citizens of the United States of America:

NOW, THEREFORE, I, HARRY S. TRUMAN, President of the United States of America, under and by virtue of the authority vested in me by the aforesaid act of July 17, 1946, do find and proclaim that with respect to trade-marks of nationals of Denmark registered in the United States Patent Office which have been subject to renewal on or after September 3, 1939, there has existed during several years since that date, because of conditions growing out of World War II, such disruption or suspension of facilities essential to compliance with the conditions and formalities prescribed with respect to renewal of such registrations by section 12 of the aforesaid act of February 20, 1905, as amended, as to bring such registrations within the terms of the aforesaid act of July 17, 1946; that Denmark accords substantially equal treatment in this respect to trade-mark proprietors who are citizens of the United States; and that accordingly the time within which compliance with conditions and formalities prescribed with respect to renewal of registrations under section 12 of the aforesaid act of February 20, 1905, as amended, may take place is hereby extended with respect to such registrations which expired after September 3, 1939, and before June 30, 1947, until and including June 30, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.

DONE at the City of Washington this 30th day of January, in the year of our Lord nineteen hundred and forty-eight and of the Independence of the United States of America the one hundred and seventy-second.

HARRY S. TRUMAN.

By the President:
G. C. MARSHALL,
Secretary of State.

January 31, 1948.

Commissioner's Order No. 5278

Discontinuation of Submission of 3-Year Cases

In view of the great number of applications now awaiting action by the Primary Examiner and the consequent delay in reaching these applications for the first and subsequent actions, Commissioner's Order No. 3331 of November 1, 1935, requiring the submission of all applications pending more than three years to the Commissioner is hereby rescinded.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

February 3, 1948.

Disclaimers

2,009,677.—*Gordon R. Pennington*, Cleveland Heights, Ohio. SHOCK ABSORBER FOR MOTOR VEHICLES. Patent dated July 30, 1935. Disclaimer filed Jan. 26, 1948, by the assignee, *Pennington Engineering Company*.

Hereby enters this disclaimer to claim 37, and related claims 1, 2, 3, 4, 5, 21, 22, 23, 24, 25, 26, 27, 28, and 29 of said patent.

2,317,357.—*Leslie G. S. Brooker and Homer W. J. Cressman*, Rochester, N. Y. DYE INTERMEDIATE. Patent dated Apr. 27, 1943. Disclaimer filed Jan. 17, 1948, by the assignee, *Eastman Kodak Company*.

Hereby enters this disclaimer to claims 5 and 9 of said patent.

2,330,203.—*Leslie G. S. Brooker and William Waldo Williams*, Rochester, N. Y. DYE INTERMEDIATE. Patent dated Sept. 28, 1943. Disclaimer filed Jan. 17, 1948, by the assignee, *Eastman Kodak Company*.

Hereby enters this disclaimer to claim 8 of said patent.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,408,385, E. L. Flood, Drill lubricant, decided Jan. 20, 1948, claim 5.

Pat. 2,405,611, A. L. Samuel, Electric beam amplifier, decided Jan. 27, 1948, claims 1, 2, 3, 4, and 8.

Interference Notice

Radiant Finish Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of C-Z Chemical Company, Yates and Argall Aves., Beloit, Wis., for registration of a trade-mark and trade-mark registered September 26, 1939, No. 371,413, to Radiant Finish Company, 612 N. Michigan Ave., Chicago, Ill. The assignment records of this Office show a transfer of title to this registration to Fuller Finish Company, Chicago, Ill., which has been substituted for said Radiant Finish Company to defend the registration concerned. The notice of such declaration sent by registered mail to the Fuller Finish Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Fuller Finish Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 22, 1948.

Cancellation Notices

Chiquita Coat Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Esquire Sportswear, Inc., 19-21 West 21st St., New York, N. Y., to effect the cancellation of trade-mark registration of Chiquita Coat Co., 247 West 38th St., New York, N. Y., No. 259,215, dated July 23, 1929, and the notice of such proceeding sent by registered mail to the said Chiquita Coat Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Chiquita Coat Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 23, 1948.

Penn Beverage Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by W. A. Haller Corporation, 1429 Walnut St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of Penn Beverage Company, Fitzwater St. east of Broad St., Philadelphia, Pa., No. 261,112, dated September 3, 1929, and the notice of such proceeding sent by registered mail to the said Penn Beverage Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Penn Beverage Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from

the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

January 29, 1948.

Ernest Blood, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Huffman Full Fashioned Mills, Inc., Meeting St., Morganton, N. C., to effect the cancellation of trade-mark registration of Ernest Blood, No. 70,340, dated August 25, 1908, renewed by True Shape Hosiery Co., Somerset and Franklin Sts., Philadelphia, Pa. The assignment records of this Office show a transfer of title to this registration to John Blood & Company, Inc., Philadelphia, Pa., which has been substituted for said Ernest Blood to defend the registration concerned. The notice of such proceeding sent by registered mail to John Blood & Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless John Blood & Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

February 2, 1948.

True Shape Hosiery Co., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Huffman Full Fashioned Mills, Inc., Meeting St., Morganton, N. C., to effect the cancellation of trade-mark registration of True Shape Hosiery Co., No. 154,848, dated May 9, 1922. The assignment records of this Office show a transfer of title to this registration to John Blood & Company, Inc., Philadelphia, Pa., which has been substituted for said registrant to defend the registration concerned. The notice of such proceeding sent by registered mail to John Blood & Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless John Blood & Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

February 2, 1948.

Belle Knitting Corp., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Fabric Specialties Co., Inc., 650 Turner Ave., N. W., Grand Rapids, Mich., to effect the cancellation of trade-mark registration of Belle Knitting Corp., No. 355,157, dated March 8, 1938. The assignment records of this Office show a transfer of title to this registration to The McKay Products Corporation, Baltimore, Md., which has been substituted for said registrant to defend the registration concerned. The Office having been unable to secure service upon The McKay Products Corporation, notice is hereby given that unless its assigns, legal representatives, or other person claiming an interest in the registration shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

February 4, 1948.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,430,684. PORTABLE WELDING GUN. Patented Nov. 11, 1947. Chuck, which may be detachably connected to conventional portable welding guns, insures effective electrical contact with heads of fastener pins while held in the chuck so as to avoid arcing between the pin head and chuck. The jaws of the chuck may be adjusted to receive pin heads of various diameters. The chuck has a tubular metallic shank which is adapted to be threaded onto the outer end of the usual plunger of a welding gun. A hollow body of insulating material having a reduced neck threaded on the outer end of the shank is split longitudinally inwardly to provide a circular series of forwardly diverging resilient jaws. The inner sides of the ends of the jaws are provided with undercut notches for receiving the pin head which is snapped into the jaws. The jaws yield sufficiently to permit their disengagement from pin head after pin is welded to a metal plate. A relatively large metallic contact head within the jaws is yieldingly urged by a light helical spring into effective engagement with pin head. A flexible rod conducts welding current from plunger to contact head. (Owner) Andrew J. Palese, 813 West 8th St., Wilmington, Del. Group 36—19. Reg. No. 9,150.

Pat. 2,431,290. CONTROL GEARING AND LEVER. Patented Nov. 18, 1947. This patent describes gearing by means of which multiple functions are performed by the operation of a single control. The gearing may be adapted to a wide variety of apparatus such as that used for dispensing electricity, gas, or liquids; in connection with telescopes, periscopes, and other optical arrangements; trip (color) control, etc. For example, the device may be used to control a water faucet so that by manipulation of a single control joint flow of hot and cold water, or the separate flow of either hot or cold water, may be accomplished. Several modifications are fully described. (Owner) Emille M. Wildermann. Address correspondence to Francis J. Mangravite, 280 Broadway, New York 7, N. Y. Groups 36—41; 39—11. Reg. No. 9,151.

Pat. 2,098,549. EMERGENCY ALARM AND MOTOR STARTING SYSTEM. Patented Nov. 9, 1937. This fire alarm system may be set so that engines of vehicles at all stations may be automatically and simultaneously started and station doors opened in response to alarms turned in at conventional neighborhood call boxes. Power for these operations is derived from sources separate from the batteries of the vehicles. The system may be controlled and operated independently of the call boxes by an operator at a central fire station. This is important when telephone alarms are received at the central station. The operator may selectively signal one or more of the companies independently of the others, or simultaneously signal all companies. To signal a selected company the operator selects and opens one of a plurality of branch line switches to start engines, open doors, and sound a gong at the station. Intermittent opening and closing of the switch by operator continues to actuate the gong to indicate scene of fire. To signal all companies

and perform the above operations the operator manipulates a master switch in the main alarm circuit in the same way. If desired, the operator may throw a main switch in the main alarm circuit to prevent call box alarms from going further than the central fire station. (Owner) George E. Luke. Address correspondence to Robb & Robb, Woodward Bldg., Washington 5, D. C. Group 36—62. Reg. No. 9,152.

Pat. 2,429,057. DRILL GRINDER. Patented Oct. 14, 1947. Without requiring special skill, twist drills inserted into the holder of this device are ground automatically so that the sides attain correct angle and clearance depth. An adjustable grinding wheel is mounted on a vertical standard so that the wheel rotates perpendicular to the standard. The standard has an offset arm which slants away from the wheel. Pivoted at the upper end of the arm is a drill holder which includes a drill-holding chuck, a shaft having its lower end fixed to the chuck, and a sleeve in which the upper portion of the shaft is slidably and rotatably journaled, enabling the chuck to be swung toward and away from the grinding surface of the wheel. A cam and followers on the sleeve and shaft automatically move the chuck away from the grinding surface as the shaft is rotated. A stop associated with the arm cooperates with the pivoting means on the upper part of the shaft and limits the swing of the holder toward the grinding surface, rotation of the shaft being limited in one direction only by a stop on the cam. (Owner) R. B. Hanford, 223 N. Ingraham Ave., Lakeland, Fla. Group 35—41. Reg. No. 9,153.

Pat. 2,429,559. TUBE CUTTING APPARATUS. Patented Oct. 21, 1947. This machine will cut short tubes or collars along straight or irregular lines. The wheels of a torch carriage frictionally engage and rotate a drum which in turn rotates an operating shaft. One end of the shaft carries mechanism for supporting the tube (or collar) to be cut. A block on the other end of the shaft carries a pair of radially extending parallel shafts having conical shaped pattern rollers on their outer ends. Upon rotation of the operating shaft the pattern rollers engage a pattern and move the operating shaft axially in accordance with the configuration of the pattern, thereby causing the torch to cut the tube along any predetermined path. Tube-supporting mechanism includes spring means so that when a latch is released the spring will throw the cut tube clear of the machine into any suitable receptacle. In event that tubes or collars other than cylindrical are to be cut, drums of the same shape must be employed. (Owner) Rudolph M. Matson, 337 North Finn St., St. Paul 4, Minn. Group 35—42. Reg. No. 9,154.

Pat. 2,199,532. SHUNT WIRE FASTENER. Patented May 7, 1940. A fastener for firmly connecting shunt wires with carbon brushes, preventing short circuits due to loose connections and avoiding the damage resulting from arcing. A tapered socket is bored in brush or formed during molding, the walls threaded to accommodate the convolutions of a tapered helical spring of conductive

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material which forms a terminal for the shunt wire. The shunt wire is formed of twisted strands and is tapered at the end so it may extend into the terminal for substantially the full length thereof. The tapered helical spring tightly grips the twisted-wire conductor and the connection may be soldered. After the spring has been applied to the conductor, it may be screwed into the socket where the conductor will be firmly held by engagement of the convolutions of the spring in the threads of the socket. The terminal is easily inserted or removed by a few turns in the socket. (Owner) Mrs. Kathryn A. Thayer, 1227 East 113 St., Cleveland 8, Ohio. Groups 19—41; 36—11. Reg. No. 9,155.

Pat. 2,427,521. STEAM ELECTRIC SADIROM. Patented Sept. 16, 1947. An electric iron of conventional shape except for V-shaped steam-distributing grooves on under side of base and water reservoir on rear of base. The reservoir extends into body portion, forming part of handle and providing a stand for iron when not in use. A steam-generating and conducting tube, mounted in body adjacent a thermostatically controlled electric heating element, communicates with the reservoir and with grooves in lower face of base. The flow of water is automatically regulated by a valve, which is set according to the kind of clothes to be ironed, and steam pressure is equalized by an equalization conductor portion. (Owner) Louis S. Butman, Merkel, Tex. Group 36—21. Reg. No. 9,156.

Pat. 2,405,720. SLIDE RULE. Patented Aug. 13, 1946. This slide rule is formed with a concavely curved face and a compound magnifying lens built into and forming part of the runner. The lens has a lower convexly curved cylindrical surface conforming substantially to the concave curvature of the rule and an upper convexly curved cylindrical surface which is formed on an axis substantially at right angles to the axis of the lower curved surface of the lens. The lens is mounted so that its lower curved surface is maintained out of contact and in spaced relation with the curved face of the rule. A modification shows the lens incorporated in a double faced slide rule. (Owner) Albert L. Snedaker, 2013 Bryn Mawr Ave., Haddon Heights, N. J. Groups 33—52; 35—65. Reg. No. 9,157.

Pat. 2,428,026. WIRE STAPLE FORMER AND STAPLING APPARATUS. Patented Sept. 30, 1947. Power-driven machine will flatten a continuous piece of wire between a pair of adjustable rollers before cutting sections and forming U-shaped staples. An elongated cylindrical cam mounted for rotation with the drive shaft is provided with four spaced peripheral cam grooves for cam rollers to control movement of various parts in timed relationship. A fixed jaw head is provided and the staple former includes a movable die head with a slidable plunger. Material to be stapled is firmly clamped between the heads, which together with the plunger cooperate to drive a staple through the material and deflect the prongs inwardly. A plunger slidably carried in the fixed jaw head then moves to effectively clinch the prongs. This latter plunger will move beyond the face of the fixed jaw head and eject clinched or loose staples in case an operator fails to supply material to be stapled. The inventor claims that high operating speeds are possible since the heads remain separated for approximately 92% of the time required to complete one operating cycle, which occurs during one revolution of the cam. The drive shaft may be connected to any suitable source of power. (Owner) National Urn Bag Co., Inc., 3408 Northern Blvd., Long Island City, N. Y. Group 35—79. Reg. No. 9,158.

Pat. 2,385,892. CREWLESS GLIDER. Patented Sept. 25, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Crewless glider 607 O. G.—38

will automatically follow a tow plane. A rigid tow bar is connected to tow plane and glider by a pair of universal joints. The universal joint between bar and glider is mounted for rotation within a tube which is rotatably mounted inside nose of glider. Rudder and elevator of glider are connected by pairs of cables to transverse mountings on rear end of tow bar. These cables are actuated in response to changes in angular relationship between tow bar and glider to vary the control surfaces of rudder and elevator. Ailerons of glider are connected by cables to the ends of a pair of horns which are mounted for rotation with the tube inside glider nose. When plane banks, tow bar rotates, causing tube to rotate and actuate ailerons. Modification shown. (Owner) L. W. Van Dusen, 2706 Lytton St., San Diego 10, Calif. Group 37—21—22. Reg. No. 9,159.

Pat. 2,431,847. MAP PROJECTION DEVICE. Patented Dec. 2, 1947. By means of this device a portion of the surface of a curved map may be projected in exact scale and proportion so that a navigation course, such as a great-circle course, may be determined or followed. The device is a transparent globe (upon which a map is reproduced) mounted for rotation within a box having an upper ground glass surface. A source of light adjacent one side of the globe is directed diametrically through the globe and projected by means of a magnifying lens to the ground glass which serves as a viewing screen for a sharp enlarged image of a selected small portion of the globe. (Owner) Van Dusen Engineering Company, 2706 Lytton St., San Diego 10, Calif. Group 39—13. Reg. No. 9,160.

Pat. 2,429,405. KNIFE. Patented Oct. 21, 1947. The blade of this butcher knife is designed so that the forward end may be used for slicing and the rear end used as a chopper to chop bone or gristle. The blade forwardly of the handle is comparatively thick and wide to provide a broad chopper having an abruptly tapered convex cutting edge. The thickness and width of the chopper decreases and merges with the long, narrow, comparatively thin slicing end of the blade. The cutting edge of the chopper portion gradually decreases from an abrupt taper and merges into the thin tapered cutting edge of the slicing end. A modification shows a chopper blade for attachment to conventional butcher knives. (Owner) Clarence A. Dringman, % Ira Le Master, Box 21, North Platte, Nebr. Group 33—51. Reg. No. 9,161.

Pat. 2,432,421. DIRECTIONAL CONTROL FOR BOMBS. Patented Dec. 9, 1947. This patent relates to a method for automatically controlling the trajectory of an aerial bomb after it has been released. The bomb shown includes a radio receiver (responsive to carrier waves) and mechanism which changes the direction of travel from vertical to approximately horizontal when the angle of the bomb fin is altered. A bomb dropped from a plane is thus directed toward the side rather than on top of a vessel or similar target. (Owner) John H. Homrighous, 1029 Wenonah Ave., Oak Park, Ill. Groups 33—X2; 36—61. Reg. No. 9,162.

Des. Pat. 147,934. CUFF LINK. Patented Nov. 18, 1947. Face of one link member has representation of a skull, and face of smaller link has crossbones. (Owner) Theodore F. Strub, 2414 Lawrence Ave., Chicago 25, Ill. Group 34—51. Reg. No. 9,163.

Pat. 2,430,522. DOUBLE WORKER DRILL, REAMER, AND COUNTERSINK. Patented Nov. 11, 1947. A drill assembly for use in metal working, which may be connected with any electric or air power plant. The motor is mounted on an adjustable frame and has a vertical drive shaft with a chuck at end to receive a drill, reamer, or countersink. Vertical L-shaped carriers are adjustably mounted

on the frame for additional drills, reamers, or countersinks. The arm of each carrier is formed with a vertical bearing for a vertical shaft which carries a chuck on its lower end. The motor drive shaft carries a pinion in mesh with a pinion on the end of a horizontal shaft which extends through a transverse bore in each of the carriers. Pinions adjustably spaced along the horizontal shaft and held in position by set screws mesh with pinions mounted on the tops of the shafts of the carriers. (Owner) Alex Melniczak, 1717 South 6th St., Camden, N. J. Group 35—43. Reg. No. 9,164.

Pat. 2,431,543. **CONDIMENT SHAKER.** Patented Nov. 25, 1947. A combination salt and pepper shaker designed for kitchen use. A container is vertically divided into two noncommunicating open-top compartments. One detachable sifter top has perforations for both compartments. A perforated valve plate is slidable over the upper surface of sifter top by means of a projecting finger piece. When valve plate is in normal position perforations in one of its sides and one side of sifter register to dispense contents from one compartment. When valve plate is pushed inwardly perforations in the opposite sides of valve and sifter are brought into registry to dispense contents from other compartment. (Owner) Robert R. Collins, P. O. Box 865, Weed, Calif. Groups 32—29—62; 34—41; 40. Reg. No. 9,165.

Pat. 2,431,447. **SHARPENER OR POINTER FOR PENCILS AND THE LIKE.** Patented Nov. 25, 1947. This invention provides a pencil sharpener which utilizes a manually operable pencil-sharpening device equipped with a housing structure to mechanize and "fool proof" the pointing or sharpening operations. The sharpener head can be readily replaced. Shavings are collected in a removable housing. The article being pointed or sharpened will not be marred during the operation. (Owner) Theodore T. Anderson, 4814 South Ashland Ave., Chicago, Ill. Group 33—51. Reg. No. 9,166.

Pat. 2,430,672. **RECEPTACLE ANCHOR.** Patented Nov. 11, 1947. An anchor for garbage or trash cans. Comprises an iron post having pointed end for driving into ground and a cross bar for anchoring the post under ground or in concrete. A guard is mounted near top of post consisting of a metal strap bent to partly encircle side of can. The handle on one side of can slips over end of the post. A sectional post may be used for adjustment to different height cans. (Owner) Gilman P. Gandrud, Glenwood, Minn. Group 33—24. Reg. No. 9,167.

Pat. 2,431,171. **MAILBOX.** Patented Nov. 18, 1947. The bottom of mailbox is formed by two hingedly mounted panels with downturned flanges. These panels are mounted on parallel rocker shafts which are operated by hand cranks on outside of box for removing mail. Mail is pushed upward between the panels, which swing upwardly and outwardly and drop by force of gravity to hold the mail in jaw-like grip within the box. To remove the mail the cranks are operated, the panel jaws open, and the mail drops out. Top cover permits insertion and removal of mail in ordinary manner if mechanism becomes inoperative. (Owner) Robert A. Gauldin, Box 7016, Houston 8, Tex. Group 33—59. Reg. No. 9,168.

Des. Pat. 147,805. **DOUBLE-BREADED COAT.** Patented Nov. 4, 1947. A sack coat in which the overlapping front portions have two rows of buttons arranged in pairs. The lapels on the overlapping portions meet in the vertical center of the coat and terminate in horizontal lines above the upper pair of buttons. (Owner) John L. McGearry. Address correspondence to Munn, Liddy, Glaccum & Rich, International Bldg., 1319 F Street, N. W., Washington 4, D. C. Group 23—11—31. Reg. No. 9,169.

Pat. 2,429,756. **BREAD SLICE HALVING DEVICE.** Patented Oct. 28, 1947. Device used to re-slice slices of bread of ordinary thickness, forming thin slices suitable for sandwiches. A narrow casing having a wide base for holding it in upright position is provided with a cavity having vertical guide slits for a knife in the ends of the casing. A removable holder for a slice of bread comprises two opposed rigid sheets hinged together at the bottom. Holder with slice placed therein is inserted in casing with means in casing and holder cooperating to properly center holder with sides held apart in casing. Top of holder is pressed together by operator. The usual knife is used for the re-slicing operation. Modifications shown. (Owner) Miner L. Hartmann, 300 South Canon Drive, Beverly Hills, Calif. Groups 33—73; 39—81; 40. Reg. No. 9,170.

Patents Dedicated to the Public

The following patents owned by The Cleveland Twist Drill Company of 1242 East 49th St., Cleveland 14, Ohio, have been dedicated to the people of the United States of America by instruments recorded in the United States Patent Office. The instruments read in part as follows: " . . . does hereby assign, transfer, and dedicate to the People of the United States of America, the entire right, title and interest in and to the said invention and Letters Patent for their free use thereof."

Pat. Re. 19,182. **DRILL AND LIKE IMPLEMENT AND METHOD OF MAKING SAME.** Reissued May 29, 1934. (Original Pat. 1,847,382; dated Mar. 1, 1932.) Group 33—51.

Pat. 1,887,372. **CUTTING AND FORMING TOOLS, IMPLEMENTS, AND THE LIKE.** Patented Nov. 8, 1932. Group 33—51.

Pat. 1,887,373. **REAMER AND THE LIKE.** Patented Nov. 8, 1932. Group 33—51.

Pat. 1,887,374. **DRILL.** Patented Nov. 8, 1932. Group 33—51.

Pat. 1,977,845. **CUTTING AND FORMING TOOL, IMPLEMENT, AND THE LIKE AND METHOD OF MAKING SAME.** Patented Oct. 23, 1934. Group 33—51.

The five patents listed above relate to a process of making a composite drill having primary and secondary cutting edges. Particularly adapted for forming holes in materials of a hard or abrasive nature. The body of the tool is formed of an alloy or other material which is susceptible to heat treatment. The working parts are formed of a hard metal alloy. The working and body parts are formed by casting, grinding, etc., and then secured together. The attaching surfaces are heated to a brazing temperature. The brazing metal is applied to joints between body and working parts for hardening body and providing a secondary cutting edge.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JANUARY, 1948

EX PARTE CONSOLIDATED PRODUCTS COMPANY,
Serial No. 468,954.

In a decision rendered January 5, 1948 (169 Ms. Dec. 566, 76 USPQ 127), *Assistant Commissioner Murphy* reversed the action of the Examiner of Trade-Marks who had refused to register to Consolidated Products Company, of Danville, Ill., under the act of 1905, the mark "KAFF-A" for a butter-milk and vitamin feed for starting and growing calves, on the ground that the mark consists of two descriptive features, "KAFF" being asserted to be a misspelling of the word "calf" and "A" the designation of one of the vitamins which the applicant's feed contains.

It was held that there is no question but that the word "calf" is descriptive of a quality of the goods in issue and also that the expression "KAFF" may be said to be a phonetic spelling of one pronunciation of the word "calf," and that further, it is well-known that the letter "A" is used to designate one of the vitamins, usually used, however, in conjunction with the word vitamin as "Vitamin-A," but that when the two expressions "KAFF" and "A" are brought together as applicant has combined them in the mark "KAFF-A" the mark as presented and used does not immediately convey any definite meaning to the mind of the person seeing or hearing it, but requires some mature thought and consideration before the application of the mark to the goods is understood, so that the mark presumptively possesses trade-mark significance and should be published for opposition, if the applicant will file a separate disclaimer of the exclusive right to use the letter "A."

McKESSON & ROBBINS, INCORPORATED v. BENJAMIN D. SMITH, Opposition No. 24,843.

In a decision rendered January 6, 1948 (169 Ms. Dec. 570, 76 USPQ 129), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences dismissing the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of Benjamin D. Smith, of Utica, N. Y., for registration under the Trade-Mark Act of 1905 of the word "Kil-O-San" as a trade-mark for an insecticide and fly and insect spray, the opposition being based upon the confusion-in-trade clause of the Trade-Mark Act of 1905, and opposer replying upon ownership of registration of the mark "Mor-O-San," renewed by opposer's predecessor, for talcum powder, on the ground that the goods of the parties possess different descriptive properties.

It was held that the Examiner of Interferences was right in ruling that it is manifest that the goods differ so widely in character and use that they must be considered to possess different descriptive properties within the meaning of the statute, for although opposer relies upon the fact that both products are in the form of powder or dust, this is immaterial.

THE AMERICAN THREAD COMPANY v. L. COPLEY-SMITH & SONS LIMITED, Cancellation No. 4613.

In a decision rendered January 6, 1948 (169 Ms. Dec. 569, 76 USPQ 128), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the petition of The American Thread Company, of New York, N. Y., to cancel trade-mark registration No. 411,913, issued February 6, 1945, under the provisions of the act of March 19, 1920, to L. Copley-Smith & Sons, Limited, of Manchester, England, the mark of the registration being the name "Copley's," displayed in reverse printing against a solid diamond-shaped background, appropriated to yarns of wool, yarns of worsted and hand-knitting yarns wholly or mainly of rayon, petitioner relying on its ownership of two renewed registrations for spool cotton, sewing silk and thread, both issued on August 27, 1907, under the act of February 20, 1905, one of the marks so registered being the word "Diamond" and the other being a diamond-shaped figure identical with applicant's background, except that it is enclosed in a narrow border and is broken in the center to form a small concentric diamond.

It was held that it is clear beyond doubt that the goods of the parties have the same descriptive properties and that the Examiner of Interferences was right in ruling that their trade-marks are confusingly similar, for although it is true that the name "Copley's" appears prominently as a part of respondent's mark, nevertheless, the diamond figure is equally prominent, and its use constitutes a substantial appropriation of petitioner's registered diamond figure; also it is the pictorial equivalent of petitioner's registered word.

In response to petitioner's introduction of a number of third party registrations in support of its argument that the representation of a diamond has been so generally used in relation to threads and yarns that it no longer denotes origin of the goods, it was held that if the representation of a diamond is without trade-mark significance, so is the word, so that respondent's argument involves the validity of both of petitioner's registrations, which is not here in issue, and must be presumed.

After noting that in its answer to the petition, respondent included an informal counterclaim seeking cancellation of petitioner's registrations, which was stricken by the Examiner of Interferences, in response to respondent's argument that the Examiner's action in that regard was erroneous, it was held that, if so, it should have been included in the reasons of appeal, or respondent should have presented the matter by petition before the pleadings were settled; clearly it cannot be considered now.

In response to respondent's argument that petitioner has not shown itself to be injured because it has proved no present use of its marks, it was held that a registration under the act of 1905 proves ownership, and ownership implies use, and that in the absence of evidence to the contrary, injury is presumed to result from the inclusion on the register of a confusingly similar mark for merchandise of the same descriptive properties.

VAN CAMP SEA FOOD CO., INC. v. ALBERT ADELMAN, Opposition No. 23,950.

In a decision rendered January 9, 1948 (169 Ms. Dec. 575, 76 USPQ 190), *Commissioner Kingsland* affirmed the action of the Examiner of Interferences sustaining the opposition of Van Camp Sea Food Company, Inc., of Fish Harbor, Terminal Island, Calif., to the application of Albert Adelman, of Detroit, Mich., for registration of the trade-mark "PEP-E" against a picture background showing a sailing boat on the sea, for packed herring, opposer having agreed, by stipulation, to an amendment filed by applicant, which seeks to change the description of applicant's goods to "packed herring cut in small pieces, packed in small containers, and sold in groceries and appetizer stores". The opposition was based on likelihood of confusion in trade, opposer relying upon its use of the trade-mark "Sea-Pep" and its ownership of registration No. 376,405 disclosing the words "Sea-Pep" appearing below the picture of a steamboat, for refined fish oil used as an ingredient in salad dressings and as an ingredient in other manufactured foods; fish oil and fish meal used as a health ration for poultry, live stock, and dogs or other carnivorous animals.

It was held that since the opposer's registration antedates the earliest use alleged by applicant, the only question for decision is the likelihood of confusion between the two marks as used on packed herring and for fish oil, respectively.

It was held that the Examiner of Interferences was right in resolving the doubt on the issue of likelihood of confusion against the newcomer, i. e., the applicant, since a comparison of the two marks shows very considerable similarity in appearance, background and theme, the use of the word "Pep" in both marks against the background of a boat outweighing the specific dissimilarities of the two marks in other respects, for while it may be true that opposer's product is not sold in small jars but in large containers and primarily to farmers and

not through grocery stores, it still remains true that the purchasing public would consider both products as fishery products and foodstuffs which may emanate from the same manufacturing source.

PARFUMS CORDAY, INC., v. BENJAMIN HARRIS (doing business as B. Harris Co.), Cancellation No. 4432.

In a decision rendered January 9, 1948 (169 Ms. Dec. 572, 76 USPQ 188), *Commissioner Kingsland* affirmed the action of the Examiner of Interferences sustaining the petition of Benjamin Harris (doing business as B. Harris Co.), of Los Angeles, Calif., to cancel registration No. 404,440, disclosing the word "Toujenais" as used on perfumes and toilet water, based upon petitioner's allegation that the mark should not have been registered in view of his previously registered marks Nos. 188,741 and 203,799 which show the mark "Toujours Moi" as applied to various toilet preparations and similar articles.

After noting that no issue was raised with regard to petitioner's prior use of his marks, it was held that the two marks involved in the present case are so similar in sound that one may be easily confused with the other by purchasers and sellers who are not familiar with the French language, nor does the fact that the word "Toujenais" has no separate meaning in the French language apart from being respondent's trade-mark obviate the likelihood of confusion between the two marks.

In response to respondent's contention that the Examiner erred in not applying equitable principles of laches and estoppel under section 19 of the Trade-Mark Act of 1946 to the present case, it was held that, in the first place, it is not clear that respondent's mark could be considered a "collective mark" under section 4 of the new act; moreover, if it were true that respondent actually used additional names such as "Congo" and "Bracelet," and referred to the name "Toujenais" only as his business address and designation, a serious issue may be raised as to whether such use constitutes "trade-mark use" at all and might not have made the mark subject to cancellation on the ground that the mark as registered was not used in a trade-mark sense; and finally, no facts are alleged or proven which would substantiate an equitable defense of laches or estoppel, even if section 19 of the act of 1946 were applied to the present proceeding.

EX PARTE VAN CAMP SEA FOODS CO., INC., Serial No. 471,694.

In a decision rendered January 14, 1948 (169 Ms. Dec. 583, 76 USPQ 193), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Van Camp Sea Food Company, of Terminal Island, Calif., under the provisions of the act of February 20, 1905, the mark "SEA CHICKEN" as applied to canned tuna, be-

cause of the refusal by applicant to disclaim the word "SEA" as being descriptive, and on the ground that applicant has claimed a date of first use which is not justified on the record.

It was held that as to the requirement that "SEA" be disclaimed the ruling of the Examiner seems clearly correct.

After referring to a previous decision (562 O. G. 702, 61 USPQ 216) holding that the mark "SEA CHICKEN" had been abandoned, as a result of which a registration thereof was canceled, and to the fact that in its application, filed prior to the cancellation referred to, applicant made the claim of continuous use since March 1, 1930, in response to applicant's argument that it sees no reason why it cannot logically carry back its claim of first use to such actual first date of use, regardless of an intervening period of abandonment, it was held that there can be no logic which will make it proper to use a statement that the mark has been "continuously used" when there has been an intervening period of abandonment sufficient to have resulted in cancellation of the prior registration, and thereby attempt to secure a registration showing use from this earlier date; the inclusion of such a statement would appear to make this application a nullity.

EX PARTE LOMA LINDA FOOD COMPANY, Serial No. 472,876.

In a decision rendered January 14, 1948 (169 Ms. Dec. 581, 76 USPQ 193), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Loma Linda Food Company, of Orlington, Calif., under the provisions of the act of February 20, 1905, "Vegemeat Steaks" as a trade-mark for vegetarian cutlets, made from gluten of wheat, soy sauce, yeast extract, salt, corn sugar, onions, celery, parsley, seasoning and water, the word "Steaks" being disclaimed apart from the mark as shown, in view of a prior registration which discloses the word "VEGATAB" applied to finely powdered desiccated vegetables compressed into tablet form.

After noting that applicant's brief raises only the question of alleged nonuse or abandonment by the prior registrant, in response to applicant's contention that during prosecution of the application an adequate prima facie showing of abandonment and nonuse was made, it was held that, without reviewing the applicant's evidence on this point in detail, the record shows that after the Examiner of Trade-Marks advised applicant of the insufficiency of its showing and suggested further steps to be taken if it were to be established, which suggestion was only partially complied with, and a request made that the application be rejected finally so that an appeal might be taken, and that the decision of the Examiner of Trade-Marks that there was not adequate prima facie showing at that time appears clearly to be correct.

After noting that following the hearing on this appeal applicant attempted to correct this deficiency

in its proof by forwarding to the Patent Office a communication, which, if properly authenticated, would be approximately the equivalent of the evidence which the Examiner suggested be submitted, if available, but instead the election was made by applicant to rely on the evidence then available by requesting final rejection, it was held that this material would therefore not be considered even if properly authenticated, which it was not.

After noting that applicant's brief raises no question as to the similarity of the marks, it was held that it may be therefore that this need not be considered, but to avoid possibility of future question, it was noted that the marks appear quite similar, and if this were successfully questioned it would result in the necessity of holding applicant's mark to be descriptive, for if applicant's statement as to the common use of the syllable "Veg" or "Vege" in food products were accepted as a basis for holding dissimilarity, it would follow that the combination of such a nondistinctive prefix with the word "meat" in its primary meaning of "food in general; anything eaten for nourishment, either by man or beast; * * *" would be merely descriptive of applicant's vegetarian cutlets.

EX PARTE LOMA LINDA FOOD COMPANY, Serial No. 472,875.

In a decision rendered January 14, 1948 (169 Ms. Dec. 580, 76 USPQ 191), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Loma Linda Food Company, of Orlington, Calif., "Vegemeat BURGER," the word "BURGER" being disclaimed, as a trade-mark under the provisions of the act of February 20, 1905, for minced gluten steaks, made from gluten of wheat, soy flour, yeast extract, salt, corn sugar, onions, celery, parsley, seasonings and water, on the same reference and for the reasons set forth in the concurrent decision in *Ex parte Loma Linda Food Company*, Serial No. 472,876, supra.

SOLOMON H. LEVICH v. EDGAR ARNSPACHER, Opposition No. 26,930.

In a decision rendered January 14, 1948 (169 Ms. Dec. 577, 76 USPQ 194), *Assistant Commissioner Daniels* denied a petition requesting the Commissioner of Patents to authorize the institution of opposition proceedings in accordance with the notice of opposition filed on November 7, 1947, by Solomon H. Levich, of Denver, Colo., against an application of Edgar Arnsbacher, of Los Angeles, Calif., for registration of a trade-mark under the Trade-Mark Act of 1905, which was published in the *OFFICIAL GAZETTE* of October 7, 1947, the notice of opposition being accompanied by a fee of \$25.00, together with a letter from the attorney for petitioner which requested that in the event the filing was not within the time limit, consideration be given to a necessary extension as permitted by rule 20.2 of the Rules of Practice, the Examiner having refused

to institute the opposition since it was not filed within the statutory thirty-day period specified in section 6 of the Trade-Mark Act of 1905.

It was held that the application to which opposition was sought to be made was filed and prosecuted under the Trade-Mark Act of 1905, and that no provision in that act permits extension of the time specified in section 6 for filing oppositions.

In response to petitioner's contention that section 13 of the Trade-Mark Act of 1946 covers this situation, it was held that authority for granting an extension of time for filing a notice of opposition given by that section is limited to the registration of a mark upon the principal register under the Trade-Mark Act of 1946 and cannot apply to an application for registration under the Trade-Mark Act of 1905.

It was further held that whether or not petitioner's request for an extension was adequate and in proper form need not be considered since there is no authority for instituting an opposition which was not filed within the statutory time limit.

WEINBERG CORPORATION v. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Opposition No. 24,685.

In a decision rendered January 19, 1948 (169 Ms. Dec. 584, 76 USPQ 218), *Assistant Commissioner Daniels* reversed the action of the Examiner of Interferences who had sustained the opposition of Weinberg Corporation, of Chicago, Ill., to the registration of the mark of Riverside & Dan River Cotton Mills, Inc., of Danville, Va., under the Trade-Mark Act of 1905. The mark sought to be registered consists of the words "Prince Oxford," the word "Oxford" being disclaimed, for use on piece goods composed of cotton, rayon, wool, or synthetic fibres, and mixtures thereof. The opposition was based on the confusion-in-trade clause of section 5 of the Trade-Mark Act of 1905, the notice of opposition alleging prior use and ownership of the trade-mark "Oxford Clothes" for men's suits and overcoats, and setting up ownership by opposer of a registration disclosing a mark consisting of a shield or crest accompanied by the words "Oxford Clothes," the words "Oxford Clothes" being disclaimed, the goods upon which it is used being men's and young men's suits, coats, vests, trousers and overcoats, although opposer did not rely upon that registration as proof of ownership and use, but has taken testimony in support of its claim of use of the mark.

It was held that it hardly seems open to question that the goods are of the same descriptive properties.

After quoting dictionary definitions of the term "Oxford," it was held that there can be no question but that this term as applied to the fabric is a common descriptive term identifying a type of fabric, and as such is generic, so that, in view of applicant's right to use the generic name of its product, "Oxford Clothes" and "Prince Oxford" are not confusingly similar; within the meaning of the statute,

even though, as found by the Examiner of Interferences, these words comprise the only spoken symbol of opposer's mark, for comparison of the mark of opposer in its entirety as actually used on its goods emphasizes the differences between the marks.

It was held that another point raised by opposer dealt with a matter of ex parte nature which was properly disposed of by the Examiner of Interferences and need not be considered.

It was further held that the record does disclose, however, that applicant has used its mark only on cotton fabric rather than on other fabrics listed in the application, so that the Examiner of Interferences has properly required, and applicant has agreed that if the application is granted it must be amended restricting the goods to piece goods composed only of cotton.

EX PARTE NU-FASHION UNDERWEAR CORP., Serial No. 482,636.

In a decision rendered January 21, 1948 (169 Ms. Dec. 593, 76 USPQ 220), *Assistant Commissioner Murphy* affirmed the action of the Examiner of Trade-Marks refusing to register to Nu-Fashion Underwear Corp., of New York, N. Y., under the act of February 20, 1905, the trade-mark "SKYLON" with a design, for ladies' and misses' slips, nightgowns, pajamas, and bed jackets, the word being printed in plain block letters displayed under a shield in the quartered sections of which appear the letters "N," "F," "U," and "C," in view of previously issued registrations including "Skyland Fashions," with the word "Fashions" disclaimed, for women's apparel, including underwear; "SKYTONE," for apparel including men's and women's pajamas; and "STYLON," for hosiery.

After noting that applicant conceded that the goods to which the mark sought to be registered is applied and those of the prior registrations are of the same descriptive properties and that the only issue presented on appeal is that of confusing similarity of the marks, it was held that in the present case, in comparing applicant's mark including "SKYLON" and an accompanying shield with the cited marks, the derivation of the word is unimportant, the non-dominant parts of the mark for which registration is sought must not be given undue weight, and since similarity of sound is of itself sufficient to constitute confusion similarity of marks when the marks are applied to merchandise of the same descriptive properties, the Examiner was correct in holding that confusion in trade would be likely in the concurrent use of applicant's mark "SKYLON" with those of the prior registrants.

EX PARTE MINNESOTA MINING & MANUFACTURING COMPANY, Serial No. 309,589.

In a decision rendered January 21, 1948 (169 Ms. Dec. 589, 76 USPQ 222), *Assistant Commissioner*

Daniels affirmed the action of the Examiner of Trade-Marks refusing to register to Minnesota Mining & Manufacturing Company, of St. Paul, Minn., "SAFETY-WALK" as a trade-mark, under the provisions of the act of February 20, 1905, for sheet material, including paper and cloth, coated on a surface thereof with granular material to provide a wear-resistant non-skid covering for traffic-bearing surfaces such as floors, treads, steps, ramps, roadways, decks, docks, gangways, spring boards, and the like, on the ground that it is descriptive of the character or quality of the goods with which it is used.

It was held that it is considered apparent that the term "SAFETY-WALK" is merely descriptive of the goods on which it is used or of the character or quality of such goods.

EX PARTE MINNESOTA MINING & MANUFACTURING COMPANY, Serial No. 515,324.

In a decision rendered January 21, 1948 (169 Ms. Dec. 591, 76 USPQ 223), *Assistant Commissioner Daniels* reversed the action of the Examiner of Trade-Marks who had refused to register, under the Trade-Mark Act of February 20, 1905, to Minnesota Mining & Manufacturing Company, of St. Paul, Minn., the notation "SCOTCH BOX" as a trade-mark for pressure-sensitive adhesive tape, unless the geographical word "SCOTCH" is disclaimed.

It was held that while a geographical term such as "Scotch" forming a prominent part of a word mark would be required to be disclaimed to secure registration of such a combination mark under the act of 1905 in many instances, in this mark it does not appear to be used in the combination in such a manner that it retains its geographical significance, so that considering the mark as presented, it is at least doubtful that purchasers or prospective purchasers would consider it in a geographical sense, but rather in a fanciful or arbitrary sense, and that as applied to applicant's goods and presented in this application there is at least a reasonable doubt that it is merely a geographical name or term under section 5(b) of the Trade-Mark Act of 1905, and such doubt should be resolved in applicant's favor.

EX PARTE EUREKA VACUUM CLEANER COMPANY (EUREKA WILLIAMS CORPORATION, ASSIGNEE, SUBSTITUTED), Serial No. 461,684.

In a decision rendered January 26, 1948 (169 Ms. Dec. 596, 76 USPQ 230), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register, under the act of February 20, 1905, to Eureka Vacuum Cleaner Company (Eureka Williams Corporation, Assignee, Sub-

stituted) of Detroit, Mich., the mark "EUREKA" for lubricating grease, because of the prior registration, renewed, also for the word "EUREKA" for gasoline.

It was held that it cannot be questioned that the goods possess the same descriptive properties.

It was further held that the trade-marks being identical and appropriated to merchandise of the same descriptive properties, registration was properly refused under section 5 of the Trade-Mark Act of 1905.

In response to applicant's contention that the prior registration must be restricted to gasoline in view of the fact that it was registered during the unexpired term of another registration of the same word by a third party for machine oil (which has since expired), it was held that this cannot change the statutory prohibition against registration of the same mark for goods of the same descriptive properties; whether the prior registration was granted in error or because at that time a different interpretation of the law existed or for some other reason is immaterial.

NEA SERVICE, INC. (STEPHEN SLESINGER, ASSIGNEE, SUBSTITUTED) v. ANGLO-AMERICAN PUBLISHING COMPANY, LIMITED, Opposition No. 25,542.

In a decision rendered January 26, 1948 (169 Ms. Dec. 597, 76 USPQ 230), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the opposition of NEA Service, Inc. (Stephen Slesinger, Assignee, Substituted) of Cleveland, Ohio, to the application of Anglo-American Publishing Company, Limited, of Toronto, Canada, for registration of the mark "Red Rover" for a comic strip, the damage claimed by opposer being predicated upon the confusion-in-trade clause of section 5 of the Trade-Mark Act of February 20, 1905, opposer alleging that there was likelihood of confusion between applicant's mark and that of opposer's prior registration comprising the words "RED RYDER" for comic drawings published in a series in daily and Sunday newspapers. Neither party took testimony.

After noting that no question exists or is raised as to opposer's priority, nor as to the identity of the goods involved, it was held that the only question for decision is whether the marks of the parties are confusingly similar within the meaning of the act.

It was held that the test must be the similarity of the marks, not of the subject matter of the comic strip, or the appearance, garb or activities of the characters involved.

In response to applicant's contention that comic strips, as such, are not purchased by the public as an article of merchandise in competition with others, but that a newspaper or other publication must be purchased by any one who desires a comic

strip, it was held that if comic strips such as applicant's are not articles of merchandise, this might be grounds for refusal of applicant's registration, but that question is not involved in this proceeding, and applicant is precluded from attacking the validity of opposer's registration.

In response to applicant's contention that opposer has the burden of establishing the existence of actual confusion, it was held that no such burden exists.

It was held that there appears to be no reason to consider marks applied to these goods on a different basis than that considered with respect to other articles of merchandise, so that the Examiner of Interferences was right in ruling that the marks are obviously so nearly alike in sound and appearance as to be clearly likely to cause confusion within the meaning of section 5 of the Trade-Mark Act of 1905.

NEA SERVICE, INC. (STEPHEN SLESINGER, ASSIGNEE, SUBSTITUTED) v. ANGLO-AMERICAN PUBLISHING COMPANY, LIMITED, Opposition No. 24,541.

In a decision rendered January 26, 1948 (169 Ms. Dec. 599, 76 USPQ 232), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the opposition of NEA Service, Inc., (Stephen Slesinger, Assignee, Substituted) of Cleveland, Ohio, to the application of Anglo-American Publishing Company, of Toronto, Canada, for registration of the notation "The PURPLE RIDER" as a trade-mark for a comic strip, and further adjudging that applicant is not entitled to the registration for which it has made application. Opposer based its opposition on the same grounds and relied upon the same registration of its trade-mark "RED RYDER" involved in opposition No. 24,542, supra, decided concurrently herewith.

After noting that the appeals in these two opposition proceedings involve the same issues, were argued together, and each of the parties submitted the same brief in both, it was held that the Examiner of Interferences was right in ruling that the marks involved are confusingly similar, and that the comments made in the decision in opposition No. 24,542 apply in this case.

POLK MILLER PRODUCTS CORPORATION v. SKIPPER'S REMEDIES, Cancellation No. 4697.

In a decision rendered January 27, 1948 (169 Ms. Dec. 600, 76 USPQ 232), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the petition of Polk Miller Products Corporation, of Richmond, Va., to cancel registration No. 417,784, of Skipper's Remedies, of Portland, Oreg., issued under the Trade-Mark Act of March 19, 1920, for sarcoptic mange medicine for dogs, flea powder, medicated shampoo, eczema medicine and worm capsules, the trade-mark as registered consisting of the word "SKIPPER'S," above which appears the head of a Samoyed or Siberian Huskydog, and the proceeding being brought under section 2 of the Trade-Mark Act of 1920. Petitioner pleaded prior use and ownership of its mark as shown in two registrations under the act of 1905 for the notation "SKIP FLEA" and in two registrations for a pictorial representation of the head of an English setter, which it owns, these marks being used on flea powder and dog soap.

It was held that registrant's motive in selecting the mark, or the reasons for such selection are immaterial to the question of confusing similarity, since these facts are not known or apparent to the purchasing public.

In response to registrant's contention that petitioner's mark is used on labels which also show the word "Sergeants," it was held that use of this word cannot affect petitioner's rights if the marks involved are confusingly similar.

In response to registrant's contention that there is no similarity in meaning, insufficient similarity in sound, and dissimilarity in appearance, it was held that "SKIP FLEA" and "SKIPPERS" may differ in meaning, if in fact either has any meaning, as applied to these products, but they appear similar in sound and appearance.

After noting that while the Examiner of Interferences found that the word "SKIPPER" was the only spoken term of the registrant's mark and that the pictorial matter was of less importance, it was held that it is unnecessary to differentiate between the pictorial and word portions of the marks as used in this case, and that taking them in their entirety they must be considered so similar that their concurrent use would be likely to cause confusion or mistake in the mind of the public.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 24, 1948

[VOL. 607. No. 41]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 498,818. EVELYN WESTALL, doing business as Parfums Felice Co., New York, N. Y. Filed Mar. 22, 1946.

NOW OR NEVER

FOR PERFUME AND TOILET WATER.
Claims use since Mar. 1, 1946.

Ser. No. 499,480. HARRY BRODE, Flushing, N. Y. Filed Apr. 2, 1946.

GAY
Blade

FOR AFTER SHAVING LOTION.
Claims use since Mar. 1, 1946.

Ser. No. 513,468. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Nov. 29, 1946.

CRACKERJACK

FOR LIPSTICKS, NAIL LACQUER, CREME TINT FOUNDATION, FACE MAKE-UP FOUNDATION, CREME ROUGE, COMPACT ROUGE, AND FACE POWDER.

Claims use since Nov. 8, 1946.

Ser. No. 514,254. COTY, INC., New York, N. Y. Filed Dec. 14, 1946.

Le Soulier de satin

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS AND ROUGES.

Claims use since Dec. 10, 1946.

Ser. No. 514,255. COTY, INC., New York, N. Y. Filed Dec. 14, 1946.

Ballerina Satin Slipper

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.

Claims use since Dec. 10, 1946.

Ser. No. 516,760. CHEMICAL ENTERPRISE LABORATORIES, Fresno, Calif. Filed Feb. 1, 1947.

SOLVO-PLATE

The syllable "Plate" is disclaimed except as a part of the mark.

FOR LIQUID SILVER PLATING COMPOSITIONS ADAPTED TO BE APPLIED DIRECTLY TO METAL SURFACES TO BE PLATED.

Claims use since Feb. 15, 1946.

Ser. No. 518,452. VI-JON LABORATORIES, INC., St. Louis, Mo. Filed Mar. 3, 1947.

Velvet
Night

FOR PERFUMES.
Claims use since Aug. 31, 1944.

Ser. No. 519,626. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed Mar. 27, 1947.

MED KLOVERBLADET

FOR PETROLEUM JELLY, PERFUMED PETROLEUM JELLY, MEDICATED PETROLEUM JELLIES, HAIR TONIC, HAIR DRESSING, POMADE, SHAMPOO, LIP STICKS, LIP POMADE, CAMPHOR ICE, COLD CREAM, AND BABY POWDER.

Claims use since Mar. 12, 1947.

Ser. No. 519,627. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed Mar. 27, 1947.

KLOVER

FOR PETROLEUM JELLY, PERFUMED PETROLEUM JELLY, MEDICATED PETROLEUM JELLIES, HAIR TONIC, HAIR DRESSING, POMADE, SHAMPOO, LIP STICKS, LIP POMADE, CAMPHOR ICE, COLD CREAM, AND BABY POWDER.

Claims use since Mar. 12, 1947.

Ser. No. 521,924. PARKS, DAVIS & COMPANY, Detroit, Mich. Filed May 5, 1947.

SANICYL

FOR FUNGICIDAL PREPARATION IN THE FORM OF AN OINTMENT USED IN THE TREATMENT OF RINGWORM AND OTHER SIMILAR INFECTIONS.

Claims use since Apr. 7, 1947.

CLASS 7

CORDAGE

Ser. No. 519,980. JOHN A. ROWLING'S SONS COMPANY, Trenton, N. J. Filed Apr. 1, 1947.

STEELPLY

FOR WIRE ROPE, CABLE, AND CORD.

Claims use since November 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 517,027. VRATISLAV ZAPLETAL, Vlasim, Czechoslovakia. Filed Feb. 5, 1947.

TESTRA

FOR TEA STRAINERS.

Claims use since Oct. 22, 1946.

Ser. No. 517,331. STERLING PLASTICS CO., Union, N. J. Filed Feb. 11, 1947.

Tavern Toppers

FOR POURING ATTACHMENT FOR BOTTLES, COMPRISING A HOLLOWED CORK FOR INSERTION INTO THE MOUTH OF A BOTTLE AND SECURED TO A METAL OR PLASTIC CAP THAT HAS A SPOUT COVERED BY A HINGED TAPPET WHEREBY LIQUID CAN BE POURED FROM A BOTTLE WITHOUT REMOVING THE ATTACHMENT.

Claims use since Oct. 1, 1946.

Ser. No. 525,180. AVCO MANUFACTURING CORPORATION, Detroit, Mich. Filed June 30, 1947.



No claim is made to color as a feature of the mark. No claim is made to the words "Manufacturing Corporation" except as part of the mark.

FOR SINKS, AND FITTINGS THEREFOR—NAMELY, FAUCETS, SPRAY NOZZLES AND CONNECTIONS, STRAINERS, STRAINER TAIL PIECES, DRAIN PLUGS, DRAIN FITTINGS, AND DRAIN CONNECTIONS.

Claims use since May 23, 1947.

Ser. No. 525,330. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed July 1, 1947.



The representation of the window curtains is disclaimed apart from the mark.

FOR SHOWER CURTAINS.

Claims use since Oct. 4, 1946.

CLASS 17 TOBACCO PRODUCTS

Ser. No. 500,900. ROYAL TOBACCO CORPORATION, New York, N. Y. Filed Apr. 25, 1946.



FOR CIGARETTES.

Claims use since Mar. 1, 1946.

Ser. No. 525,627. P. LORILLARD COMPANY, New York, N. Y. Filed July 2, 1947.

LONDON LIFE

The drawing is lined for the colors blue and gold. No claim is made to the word "London" apart from the mark.

FOR CIGARETTES.

Claims use since early 1912.

Ser. No. 525,629. P. LORILLARD COMPANY, New York, N. Y. Filed July 2, 1947.

ROYAL BENGALS

The drawing is lined for the color gold.

FOR CIGARS.

Claims use since 1901.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 470,205. METALLIC ARTS COMPANY, Cambridge, Mass. Filed May 12, 1944.



FOR ELECTRICAL PANELS FOR MOUNTING ELECTRICAL AND RADIO EQUIPMENT, SUCH AS SOCKETS, TUBES, CONDENSERS, CIRCUIT BREAKERS, FUSE BLOCKS AND THE LIKE; CABINETS FOR HOUSING ELECTRICAL EQUIPMENT AND APPARATUS, SUCH AS SWITCH BOXES, AMPLIFIERS, AND THE LIKE; SWITCHES; AND ELECTRICAL SWITCH CONTROLS FOR INSTRUMENTS REGULATING TEMPERATURE, PRESSURE, RATE OF FLOW AND THE LIKE.

Claims use since Mar. 3, 1943.

Ser. No. 479,542. WHITING CORPORATION, Harvey, Ill. Filed Feb. 7, 1945. Under 10-year proviso.

WHITING

FOR ELECTRIC HOISTS.

Claims use since 1894.

Ser. No. 490,933. CRYSTAL PRODUCTS CO., Kansas City, Mo., assignor to Crystal Products Company, Inc., a corporation of Missouri. Filed Nov. 2, 1945.

Coronet

FOR RADIO RECEIVING SETS AND PARTS THEREOF.

Claims use since Oct. 16, 1945.

Ser. No. 497,640. APEX INDUSTRIES, INC., New York, N. Y.
Filed Mar. 5, 1946.



The word "Industries" is disclaimed.
FOR RADIO RECEIVING SETS, ELECTRIC PHONO-
GRAPHS, AND TELEVISION RECEIVING SETS.
Claims use since May 31, 1944.

Ser. No. 499,278. RAILLEY CORPORATION, Cleveland, Ohio.
Filed Mar. 29, 1946.

PLASTI-SOCKET

The word "Socket" is disclaimed.
FOR ELECTRIC LIGHT SOCKETS.
Claims use since Mar. 1, 1946.

Ser. No. 512,051. COMPAGNIE GÉNÉRALE DE TÉLÉGRAPHIE
SANS FIL, Paris, France. Filed Nov. 5, 1946.

PRIONOTRON

FOR ELECTRIC TUBES AND LAMPS, ELECTRONIC
TUBES, VELOCITY-MODULATED TUBES, RESONA-
TORS FOR VELOCITY-MODULATED TUBES, MAG-
NETIC FOCUSING DEVICES FOR VELOCITY-MODU-
LATED TUBES, PARTS FOR THE ABOVE-MEN-
TIONED LAMPS AND TUBES, SOCKETS FOR THE
ABOVE-MENTIONED LAMPS AND TUBES.
Claims use since May 24, 1946.

Ser. No. 515,019. ATLAS LUBRICATOR MANUFACTURING CO.,
Inc., Rochester, N. Y. Filed Dec. 30, 1946.

KOROD-BAN

Applicant disclaims the word "Korod" apart from the
mark.

FOR BATTERY TERMINAL LUBRICATORS CON-
SISTING OF A PAN AND FELT PAD SURROUNDING
THE BATTERY POST AND LOCATED BETWEEN THE
TERMINAL AND BATTERY CASE.
Claims use since Sept. 3, 1946.

Ser. No. 516,595. ANIMATION, INC., Los Angeles, Calif.
Filed Jan. 30, 1947.

Phantarama

FOR COMBINED ELECTRICAL AND MECHANICAL
ADVERTISING DISPLAY PROJECTORS TO PROJECT
IMAGES INTO SPACE IN FULL COLOR, IN NATURAL
MOVEMENT, WITHOUT THE AID OF A SCREEN SUR-
FACE.

Claims use since Oct. 1, 1946.

Ser. No. 517,598. THE SWARTZBAUGH MANUFACTURING
COMPANY, Toledo, Ohio. Filed Feb. 15, 1947.



FOR DOMESTIC ELECTRIC COOKERS, ROASTERS
AND RANGES.

Claims use since Jan. 1, 1947.

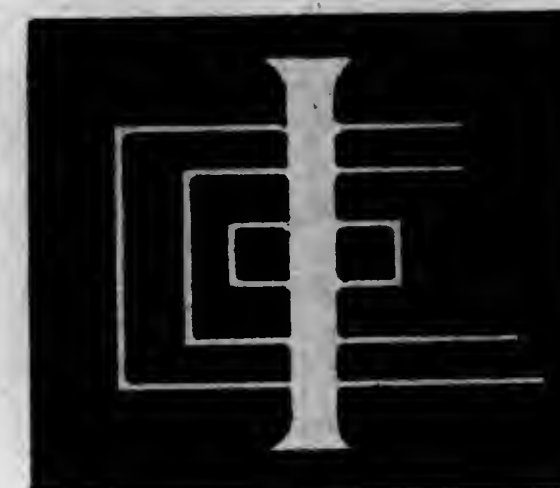
Ser. No. 523,218. DUSTRIC CORPORATION, Chicago, Ill., as-
signor to Richard R. Cook, Chicago, Ill. Filed May
28, 1947.

DUSTRONIC

FOR PORTABLE ELECTROSTATIC DUST COLLEC-
TORS.

Claims use since Apr. 23, 1947.

Ser. No. 525,851. ILLINOIS CONDENSER CO., Chicago, Ill.
Filed July 3, 1947.



FOR ELECTRICAL CONDENSERS.
Claims use since February 1936.

Ser. No. 525,925. NATIONAL CARBON COMPANY, INC., New
York, N. Y. Filed July 3, 1947.

National

FOR BRUSHES FOR USE IN ELECTRICAL APPA-
RATUS AND ELECTRICAL MACHINES; GRANULAR
CARBON FOR USE IN TELEPHONE TRANSMITTERS;
AND TRANSMITTER DISCS; AND CARBON WELDING
ELECTRODES, CARBON PASTE, CARBON RODS, AND
CARBON PLATES, FOR USE IN ELECTRICAL WELD-
ING.

Claims use since about 1902 on brushes for use in elec-
trical apparatus and electrical machines; and since about
1924 on granular carbon for use in telephone transmit-
ters, transmitter discs, and carbon welding electrodes,
carbon paste, carbon rods, and carbon plates, for use in
electrical welding.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND
PARTS THEREOF

Ser. No. 493,389. ARWIN E. ORMSBY, doing business as
Blue Heron Cranes, San Francisco, Calif. Filed Dec.
15, 1946.

BLUE HERON

FOR MANUALLY OPERATED, WHEELED, TRACK-
LESS CRANES AND MANUALLY OPERATED TRUCK-
BED MOUNTED CRANES.

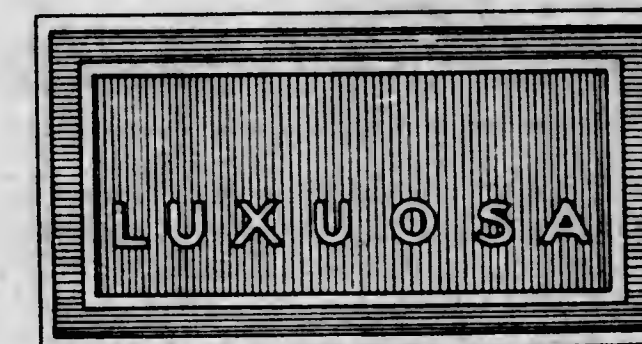
Claims use since June 1, 1933.

Ser. No. 497,311. THE IRWIN AUGER BIT COMPANY,
Wilmington, Ohio. Filed Feb. 27, 1946.

IRWINITE

FOR HANDLES FOR SCREW DRIVERS.
Claims use since Oct. 1, 1945.

Ser. No. 498,622. GILLETTE SAFETY RAZOR COMPANY,
Boston, Mass. Filed Mar. 20, 1946.



The drawing is lined for shading purposes only.
FOR SAFETY RAZORS AND SAFETY RAZOR
BLADES.
Claims use since Mar. 6, 1946.

Ser. No. 508,794. CUTTING ROOM APPLIANCES CORPORA-
TION, New York, N. Y. Filed Sept. 10, 1946.

ELECTROMATIC

FOR CLOTH LAYING MACHINES AND PARTS
THEREFOR, FOR USE IN THE GARMENT MAKING
INDUSTRY.

Claims use since July 20, 1946.

Ser. No. 513,849. SIMPLEX MANUFACTURING CORPORATION,
Oakland, Calif. Filed Dec. 6, 1946.



The words "Dry Poultry Plucker" and the exaggerated
representation of a fowl are disclaimed.
FOR DRY POULTRY PLUCKING MACHINE.
Claims use since Sept. 23, 1946.

Ser. No. 515,994. ARTHUR L. WARMINGTON, Oakland,
Calif. Filed Jan. 20, 1947.



FOR MARINE ENGINES.
Claims use since April 1938.

Ser. No. 516,721. PRACTICAL PRODUCTS COMPANY, Minneapolis, Minn. Filed Jan. 31, 1947.

Carb-u-tator

The prefix "Carb" is disclaimed apart from the mark. FOR APPARATUS FOR WASHING MECHANICAL PARTS CONSISTING OF A CABINET CONTAINING THE PARTS TO BE WASHED AND A SOLVENT WHICH IS AGITATED BY MEANS OF COMPRESSED AIR FLOWING THERETHROUGH.

Claims use since Apr. 22, 1943.

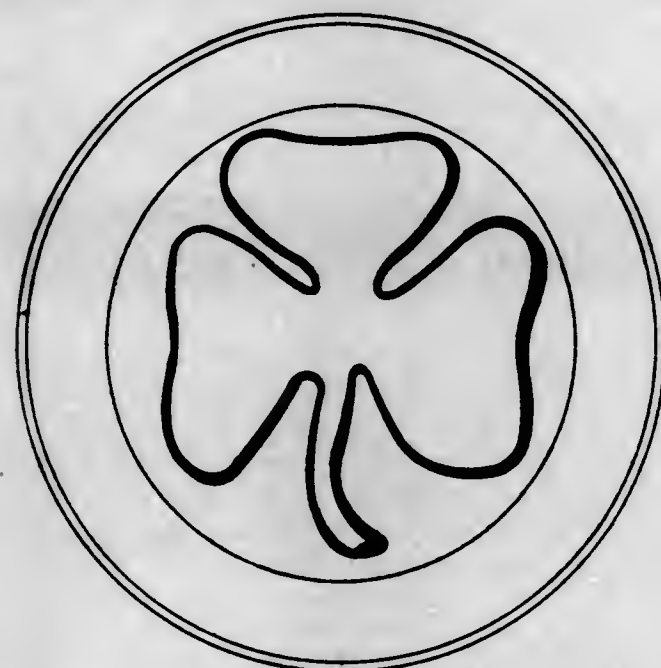
Ser. No. 517,111. ANDRÉ BECHLER, Moutier, Switzerland. Filed Feb. 7, 1947.

Isomatic

FOR AUTOMATIC LATHES FOR THE PRODUCTION OF SMALL PIECES OF HIGH PRECISION UP TO DIAMETERS OF ABOUT 5 MM.

Claims use since Nov. 1, 1946.

Ser. No. 520,752. MALONEY-CRAWFORD TANK & MFG. CO., Tulsa, Okla. Filed Apr. 15, 1947.



FOR OIL AND GAS SEPARATORS WHICH ARE ORDINARILY INSTALLED AT AN OIL WELL TO SEPARATE THE MIXTURE OF OIL AND GAS INTO A SEPARATE OIL STREAM AND A SEPARATE GAS STREAM, AND EMULSION TREATERS WHICH ARE COMPLETE UNITS AND ARE ORDINARILY ARRANGED AT THE OIL WELL AND WHICH SERVE TO SEPARATE OUT THE GAS FROM THE EMULSION OF OIL AND WATER AND BREAKS THE EMULSION AND SEPARATES OUT THE WATER FROM THE OIL SO THAT THE OIL MAY BE DELIVERED TO THE PIPE LINE FREE OF THE WATER CONTENT.

Claims use since Dec. 8, 1945.

Ser. No. 521,009. L. K. FRANKLIN CORPORATION, Los Angeles, Calif. Filed Apr. 19, 1947.

H A N D I M I T E

Applicant disclaims the word "Handi" apart from the mark as shown in the drawing.

FOR COMBINATION BRUSH AND HOSE ATTACHMENT FOR DISH-WATER APPLIANCES.

Claims use since February 1946.

Ser. No. 521,168. AIR-TROL, Chicago, Ill. Filed Apr. 23, 1947.

AIR TROL

No registration rights are claimed for the word "Air" apart from the mark.

FOR AIR POWERED PRESSES AND AIR CYLINDERS, AND FITTINGS THEREFOR.

Claims use since Aug. 24, 1946.

Ser. No. 521,361. DELMAR R. ROGERS, doing business as D. R. Rogers Co., Minneapolis, Minn. Filed Apr. 25, 1947.



FOR HAND-OPERATED AUTOMOBILE JACKS.

Claims use since Dec. 10, 1946.

Ser. No. 522,362. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed May 14, 1947.

VAPOMAT

FOR PORTABLE VAPORIZERS FOR DISPENSING LIQUID INSECTICIDES.

Claims use since Feb. 1, 1947.

Ser. No. 523,574. F. N. INDUSTRIAL CORPORATION, Bergenfield, N. J., assignor to Alkuno and Company, Inc., New York, N. Y., a corporation of New York. Filed June 5, 1947.

VIKINOR

FOR COIN-CONTROLLED NUT VENDING MACHINES.

Claims use since Mar. 10, 1947.

Ser. No. 524,333. KAI OLUF HOYER BISGAARD, Copenhagen, Denmark. Filed June 17, 1947.



FOR OIL AND GREASE GUNS AND PARTS THEREOF FOR MACHINE USE.

Claims use since Nov. 16, 1943.

Ser. No. 524,580. ERNEST A. STIENEN, doing business as Standard Fabricators, New York, N. Y. Filed June 20, 1947.



Applicant disclaims sole use of the surname "Stienen," and the words "Drive" and "Brake" except in connection with the mark.

FOR DYEING MACHINERY FOR TEXTILES AND THE LIKE, INCLUDING DYE TANKS, HOLDERS, EXTRACTORS, DRIERS AND THE LIKE.

Claims use since July 1, 1946.

Ser. No. 525,189. THE CHALLENGER MACHINERY COMPANY, Grand Haven, Mich. Filed June 30, 1947.

DIAMOND

FOR PAPER CUTTING MACHINES OPERATING BY SHEARING ACTION.

Claims use since October 1909.

Ser. No. 525,191. CARL COLBY, Milwaukee, Wis. Filed June 30, 1947.

CHEFETTE

FOR KITCHEN UTENSIL FOR USE IN RICING VEGETABLES.

Claims use since Jan. 1, 1934.

Ser. No. 525,296. CHEMICOLLOID LABORATORIES, INC., New York, N. Y. Filed July 1, 1947.

CHARLOTTE

FOR COLLOID MILLS.

Claims use since Mar. 26, 1925.

Ser. No. 525,372. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed July 1, 1947.

KARBATE

FOR CENTRIFUGAL PUMPS AND PARTS THEREOF; BUSHINGS AND BEARINGS FOR MACHINERY; SCRUBBER, ABSORPTION, FRACTIONATING AND STRIPPER TOWERS AND COLUMNS.

Claims use since about 1939 on bushings and bearings for machinery; and since about 1942 on centrifugal pumps and parts thereof and scrubber, absorption, fractionating and stripper towers and columns.

Ser. No. 525,500. SAVAGE ARMS CORPORATION, Utica, N. Y. Filed July 1, 1947.



FOR MANUALLY OPERATED LAWN MOWERS.

Claims use since Nov. 5, 1945.

Ser. No. 525,502. SAVAGE ARMS CORPORATION, Utica, N. Y.
Filed July 1, 1947.



FOR MANUALLY OPERATED LAWN MOWERS.
Claims use since Nov. 5, 1945.

CLASS 25

LOCKS AND SAFES

Ser. No. 524,262. WINTERS & CRAMPTON CORPORATION,
Grandville, Mich. Filed June 16, 1947.



The word "Grip" is disclaimed apart from the mark.
FOR LATCHES.
Claims use since May 20, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 504,546. GARDNER CINE COMPANY, Los Angeles,
Calif. Filed June 25, 1946.

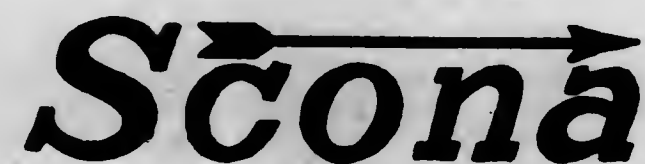


The stippling used in the drawing is for shading purposes only.

FOR PHOTOGRAPHIC EQUIPMENT—NAMELY, SLIDES, MOTION PICTURE FILM, AND TITLING MACHINES FOR MOTION PICTURE FILM.

Claims use since Jan. 3, 1946.

Ser. No. 515,949. GENERAL ANILINE & FILM CORPORATION,
New York and Binghamton, N. Y. Filed Jan. 18, 1947.



FOR PHOTOGRAPHIC GOODS—NAMELY, CAMERAS, SENSITIZED PHOTOGRAPHIC FILM AND SENSITIZED PAPER.

Claims use since Jan. 6, 1947.

Ser. No. 519,449. JULES SCHOCKAERT, Zottegem, Les
Nenuphars, Belgium. Filed Mar. 22, 1947.

TELEPLANNING

FOR ELECTRICALLY OPERATED APPARATUS FOR THE TELEMETRIC TRANSMISSION OF INFORMATION, COMPRISING SENDING APPARATUS AND ONE OR MORE RECEIVING PANELS, LOCATED AT A DISTANCE FROM THE SENDING APPARATUS AND ELECTRICALLY CONNECTED THEREWITH FOR RECEIVING, INDICATING AND SUMMARIZING INFORMATION RECEIVED FROM THE SENDING APPARATUS.
Claims use since July 1946.

Ser. No. 524,486. FRANK SANTULLI, Brooklyn, N. Y.
Filed June 19, 1947.



No claim is made to the words "X," "Cine Products," apart from the mark.

FOR TITLER SET FOR MOTION PICTURE EQUIPMENT.

Claims use since Apr. 4, 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 514,648. ELOGA A. G., Longeau, Switzerland.
Filed Dec. 21, 1946.



FOR WATCHES.

Claims use since May 25, 1928.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

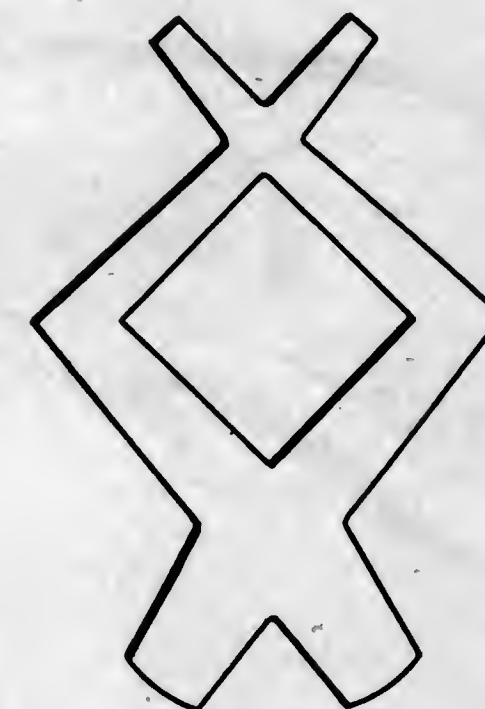
Ser. No. 503,903. MAHAMUD ACRAMA HASSEIN, Buenos Aires, Argentina. Filed June 14, 1946.



FOR BRACELETS, EAR RINGS, ORNAMENTAL CLIPS, AND BROOCHES.

Claims use since May 1942.

Ser. No. 504,471. JOSEPH C. BROWN, doing business as
Brown's Jewelry, Stockton, Calif. Filed June 24, 1946.



FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES).

Claims use since Nov. 17, 1944.

Ser. No. 505,575. DORA GERSTENBLITH, doing business
as Finesse Wristlet, New York, N. Y. Filed July 13,
1946.



FOR WATCH BRACELETS (NOT INCLUDING WATCHES) AND THE LIKE.

Claims use since Feb. 4, 1946.

Ser. No. 510,826. BRADT COMPANY, INC., St. Louis, Mo.
Filed Oct. 14, 1946.



FOR SUNDRY ITEMS OF MEN'S NOVELTY JEWELRY FOR PERSONAL WEAR, SPECIFICALLY, COLLAR AND TIE PINS, TIE CLASPS, CUFF LINKS, METAL WATCH BANDS, MEN'S FINGER RINGS, TIE PINS AND IDENTIFICATION BRACELETS.

Claims use since Sept. 23, 1946.

607 O. G.—39

Ser. No. 525,672. C. D. PEACOCK, Inc., Chicago, Ill.
Filed July 2, 1947. Under 10-year proviso.

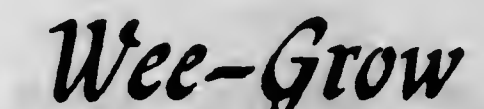
C. D. PEACOCK

FOR JEWELRY FOR PERSONAL WEAR AND ADORNMENT (NOT INCLUDING WATCHES—NAMELY, NECKLACES, CLASPS, BROOCHES, EARRINGS, BRACELETS, ORNAMENTAL PINS AND CLIPS, AND BELT BUCKLES; FINGER RINGS OF PRECIOUS METALS—NAMELY, MEN'S, LADIES', CHILDREN'S AND BABIES', PLAIN, ENGRAVED, PRECIOUS AND SEMI-PRECIOUS STONE MOUNTED, SIGNET, PEARL, CAMEO, CORAL AND MISCELLANEOUS FINGER RINGS; LOOSE STONES BOTH PRECIOUS AND SEMI-PRECIOUS; THE FOLLOWING ITEMS MADE OF GOLD OR SILVER—NAMELY, POCKET KNIVES, KEY RINGS, KEY CHAINS, MESH BAGS, EYEGLASS CASES, CIGAR AND CIGARETTE CASES, CIGAR AND CIGARETTE HOLDERS, AND MATCH BOXES; STERLING AND PLATED SILVER TABLE-WARE—NAMELY, FLAT-WARE AND HOLLOW-WARE; PEARL-HANDLED TABLE-WARE; CARVING SETS AND PIECES WITH GOLD, SILVER AND PEARL HANDLES; GOLD FLAT-WARE AND HOLLOW-WARE; AND MISCELLANEOUS SERVING PIECES OF GOLD, SILVER AND SILVER PLATE.
Claims use since 1871.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 524,808. JOSEPH NIVER, New York, N. Y. Filed
June 25, 1947.



FOR CHILDREN'S CHAIRS ADJUSTABLE IN SIZE AND TABLES.

Claims use since Apr. 29, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 477,842. MAX MARCUS, New York, N. Y. Filed
Dec. 22, 1944.



No claim is made to the word "List" apart from the mark.

FOR TELEPHONE NUMBER INDEX, IN BOOK FORM WITH AN ALPHABETICAL SELECTOR DEVICE.

Claims use since May 6, 1938.

Ser. No. 517,131. HOME FURNISHINGS STYLE COUNCIL, New York, N. Y. Filed Feb. 7, 1947. Under the act of February 20, 1905, as amended June 10, 1938

B.H.F.

FOR WALLPAPER.
Claims use since Mar. 14, 1946.

Ser. No. 525,215. EDWARD C. HEARD, doing business as E. C. Heard Company, Huntington Park, Calif. Filed June 30, 1947.

Pres-to-line

The word "Line" is disclaimed.
FOR COPY HOLDERS FOR TYPISTS.
Claims use since Feb. 21, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 515,093. BARKER, MOORE & MEIN COMPANY, Philadelphia, Pa. Filed Jan. 14, 1947.

FEEDEX

FOR PUBLICATION ISSUED QUARTERLY AND RELATING TO CATTLE AND POULTRY FEED.
Claims use since Mar. 1, 1941.

Ser. No. 522,908. HOME OF ONESIPHORUS, Chicago, Ill. Filed May 23, 1947.

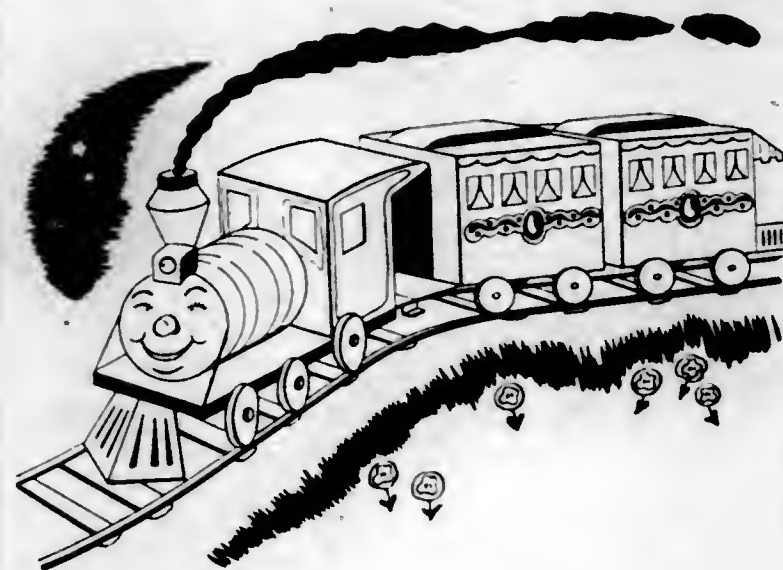
China HARVESTER

No claim is made to the word "China" apart from the mark.

FOR MAGAZINE PUBLISHED AT INTERVALS IN THE INTEREST OF AND CONCERNING A CHRISTIAN MISSIONARY ESTABLISHMENT IN CHINA KNOWN AS HOME OF ONESIPHORUS.

Claims use since Jan. 1, 1947.

Ser. No. 523,049. CHILDREN'S EDUCATIONAL LETTERS CO., Los Angeles, Calif. Filed May 26, 1947.



FOR CHILDREN'S EDUCATIONAL LETTERS SOLD AS SUCH.
Claims use since Apr. 10, 1946.

Ser. No. 524,078. PERRYGRAF CORPORATION, Maywood, Ill. Filed June 12, 1947.

Poker Coach

No claim is made to the word "Poker" apart from the mark.

FOR PRINTED SLIDE-CHARTS SHOWING POSSIBILITIES OF VARIOUS POKER HANDS.

Claims use since Feb. 1, 1947.

CLASS 39

CLOTHING

Ser. No. 492,387. LAWSON PRODUCTS, INC., Pawtucket, R. I. Filed Nov. 29, 1945.

Lawsonit

FOR GIRDLES.
Claims use since Nov. 21, 1945.

Ser. No. 501,486. A. WERMAN & SONS, INC., Brooklyn, N. Y. Filed May 4, 1946.

Ser. No. 522,924. MAY LILLIAN ELLESIN, Pittsburgh, Pa. Filed May 23, 1947.



Applicant disclaims the words "Junior," "De Luxe," "Shoes," and "Correct Fit for Growing Feet" and the outline of the label. The drawing is lined to represent the color brown.

FOR CHILDREN'S LEATHER SHOES.
Claims use since Nov. 20, 1945.

Ser. No. 515,023. COLLEEN COATS INC., New York, N. Y. Filed Dec. 30, 1946.



FOR LADIES', MISSES', AND JUNIOR MISSES' COATS.
Claims use since September 1945.

Ser. No. 516,399. H. W. CUTHBERT, doing business as P. T. Cuthbert & Co., New York, N. Y. Filed Jan. 27, 1947.



FOR HOSIERY.
Claims use since July 1, 1926.

Ser. No. 521,110. BOYCE-LAZARUS COMPANY, Johnstown, N. Y. Filed Apr. 22, 1947.

Bolava

FOR GLOVES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER OR FABRIC, OR COMBINATIONS THEREOF.

Claims use since Dec. 1, 1939.

Ellesin Original "Baboots"

The surname and descriptive wording "Ellesin Original" is disclaimed apart from the mark shown.
FOR BABIES' BOOTEES.
Claims use since September 1946.

Ser. No. 523,521. THE B. F. GOODRICH COMPANY, Akron, Ohio. Filed June 4, 1947.

Click-Tite

No claim is made to the exclusive use of the expression "Tite" apart from the mark.
FOR HEELS AND TOPLIFTS FOR SHOES.
Claims use since May 1, 1947.

Ser. No. 524,180. THE GLOBE TAILORING COMPANY, Cincinnati, Ohio. Filed June 14, 1947.



Applicant is the owner of the trade-mark "Needle Molded Clothes" shown in registration No. 189,336, dated Sept. 16, 1924. The picture of the man is fanciful. No claim is made to the word "Clothes."

FOR MEN'S, YOUNG MEN'S, AND BOYS' CLOTHING, CONSISTING OF TROUSERS, PANTS, VESTS, COATS, JACKETS, AND OVERCOATS.

Claims use since May 1, 1911.

Ser. No. 524,717. OLYMPIC KNITWEAR, INC., New York, N. Y. Filed June 24, 1947.

THE GOBBY WITH THE DUFFLE BAG POCKETS

The words "With The Duffle Bag Pockets" are disclaimed apart from the mark shown.
FOR WOMEN'S, LADIES', AND MISSES' SWEATERS.
Claims use since May 20, 1946.

Ser. No. 525,252. SAGINAW MANUFACTURING COMPANY, York, Pa. Filed June 30, 1947.

GlenGay

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND POLO SHIRTS AND JACKETS FOR SPORT, WORK, AND DRESS WEAR AND TROUSERS.
Claims use since Apr. 1, 1942.

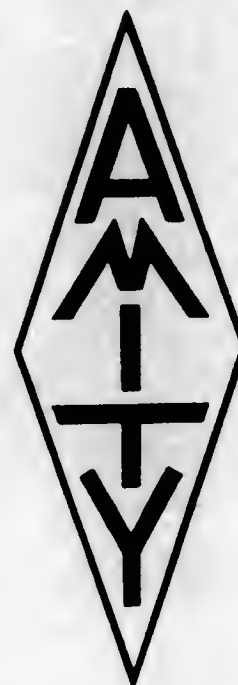
Ser. No. 525,539. CARLA SHOE MFG. COMPANY, Lawrence, Mass. Filed July 2, 1947.

Baroness

FOR SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF.
Claims use since December 1946.

CLASS 40 FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 519,371. AMITY NOTION CO., INC., New York, N. Y. Filed Mar. 21, 1947.



FOR STRAIGHT PINS, SAFETY PINS, HOOKS AND EYES AND LOOP FASTENERS FOR GARMENTS, NARROW ELASTIC FABRICS, COTTON BRAID, GARMENT BELTINGS, SEAM BINDINGS, NARROW LACE TRIMMINGS, NARROW EMBROIDERY EDGINGS AND INSERTIONS, AND RIBBONS IN CUT LENGTHS.
Claim use since 1932.

CLASS 41 CANES, PARASOLS, AND UMBRELLAS

Ser. No. 520,331. ENRICO FAINI, also doing business as Metallurgica Riccardo Faini, Milan, Italy. Filed Apr. 8, 1947.

P I C

FOR UMBRELLAS.
Claims use since Apr. 16, 1941.

CLASS 42 KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 506,995. DALLO FABRICS, New York, N. Y. Filed Aug. 7, 1946.

Dallette

FOR RAYON PIECE GOODS.
Claims use since July 9, 1945.

Ser. No. 507,947. UNITED MERCHANTS AND MANUFACTURERS, INC., New York, N. Y. Filed Aug. 23, 1946.

Ser. No. 515,020. BROSKO INC., Yemassee, S. C. Filed Dec. 30, 1946.



Applicant disclaims exclusive right to the representation of the goods and to the word "Soap."
FOR PIECE GOODS OF WOOL, COTTON, RAYON, AND/OR SILK OR COMBINATIONS THEREOF.
Claims use since July 23, 1946.

Ser. No. 525,406. ROBINSON & CLEAVER LIMITED, London, England. Filed July 1, 1947.



FOR SHEETS, PILLOW CASES, TABLE CLOTHS, NAPKINS, TABLE MATS, LINEN CLOTHS FOR DRYING AND POLISHING TABLE GLASS.
Claims use since July 12, 1938.

CLASS 46 FOODS AND INGREDIENTS OF FOODS

Ser. No. 494,481. BASIC VEGETABLE PRODUCTS CO., Vacaville and San Francisco, Calif. Filed Jan. 9, 1946.

SUN-SPICED

The word "Spiced" is disclaimed apart from the mark.
FOR DRIED ONIONS.
Claims use since Nov. 19, 1945.

HITCHING POST

FOR SALAD DRESSING.
Claims use since Jan. 15, 1946.

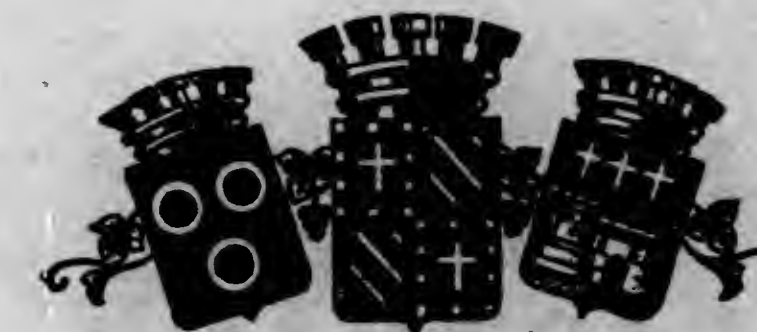
Ser. No. 516,829. CREAMERIES OF AMERICA, INC., doing business as Valleymaid Creameries, Los Angeles, Calif. Filed Feb. 3, 1947.



The words "Ice Cream" and "American" are disclaimed. The representation of a woman is entirely fanciful.
FOR ICE CREAM.
Claims use since Sept. 14, 1946.

CLASS 47 WINES

Ser. No. 505,660. MAISON J. THORIN, Pontanevaux, Saone et Loire, France. Filed July 15, 1946.



FOR WINES.
Claims use since 1928.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 494,584. EDWIN C. STOCK, doing business as Frenchee Cosmetics, Toronto, Ontario, Canada. Filed July 15, 1947.

Frenchée

FOR COSMETICS—NAMELY, PERFUME, COLOGNE, TOILET WATER, SKIN LOTION, ROUGE, LIPSTICK AND LEG TAN.
Claims use since Nov. 3, 1944.

Ser. No. 518,361. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed Sept. 16, 1947.

SYNTACLO

FOR OINTMENT FOR THE TREATMENT OF ECZEMA.
Claims use since September 1946.

Ser. No. 518,362. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed Sept. 16, 1947.

TRYDECYL

FOR OINTMENT FOR THE TREATMENT OF ATHLETE'S FOOT.
Claims use since June 1946.

Ser. No. 519,670. FRED LANE COMPANY, Chicago, Ill. Filed Sept. 3, 1947.

PASTNONE

FOR INHIBITOR OF BACTERIA AND MOLD FORMATION IN FERMENTATION PRODUCTS.
Claims use since Jan. 23, 1947.

Ser. No. 528,948. CROP-SAVER CHEMICAL COMPANY, INC., Chicago, Ill. Filed July 19, 1947. Under section 2f of the act of 1946.

**- KROP -
SAVER**

Applicant claims ownership of registration No. 382,565. FOR LIQUID AND POWDER INSECTICIDE.
Claims use since Mar. 2, 1939.

Ser. No. 529,135. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y. Filed July 22, 1947.

'Quinoxyl'

FOR MEDICINAL PREPARATION, ADMINISTERED ORALLY OR BY ENEMA, FOR USE IN THE TREATMENT OF AMEBIC DYSENTERY.
Claims use since 1929.

Ser. No. 529,385. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Filed July 24, 1947.

H-101

FOR DISINFECTANT AND ANTISEPTIC FOR TOILETS, URINALS, LAVATORIES, FLOORS, REFRIGERATORS, DRINKING FOUNTAINS, AND FABRIC MATERIALS.

Claims use since May 1, 1945.

Ser. No. 529,494. SCI-EFF-EC LABORATORIES, INC., Cleveland, Ohio. Filed July 25, 1947.

SCIVOL

FOR STEAM TREATING COMPOUND IN LIQUID FORM THAT IS ADAPTED TO BE MIXED WITH BOILER WATER SO THAT THE VAPORS OF THE MIXTURE WITH THOSE OF THE WATER WILL PASS THROUGH THE PIPES OF A STEAM SYSTEM AND KEEP THE SYSTEM CLEAN AND FREE FROM SCALE.
Claims use since 1940.

FEBRUARY 24, 1948

U. S. PATENT OFFICE

607

Ser. No. 530,217. LUCIEN LELONG, INC., Chicago, Ill. Filed Aug. 1, 1947.

Corsaire

FOR LIPSTICK.
Claims use since Nov. 7, 1938.

Ser. No. 530,224. LUCIEN LELONG, INC., Chicago, Ill. Filed Aug. 1, 1947.

Solid

FOR COLOGNE.
Claims use since June 2, 1941.

Ser. No. 530,703. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Aug. 7, 1947.

AEROCHAR

FOR CHARCOAL PRECIPITANTS.
Claims use since Feb. 19, 1947.

Ser. No. 530,771. ROUX DISTRIBUTING CO., INC., New York, N. Y. Filed Aug. 7, 1947.

ROULITE

Applicant claims ownership of registration No. 384,608. FOR HAIR COLORINGS, SHAMPOO TINT, AND HAIR DYE.
Claims use since Sept. 21, 1940.

Ser. No. 531,173. ABBOTT LABORATORIES, North Chicago, Ill. Filed Aug. 13, 1947.

Tridione

Applicant claims ownership of registration No. 405,297. FOR ANTICONVULSANT INTENDED FOR USE IN TREATMENT OF THE PETIT MAL TRIAD AND OTHER CONVULSIVE DISORDERS.
Claims use since Apr. 29, 1944.

Ser. No. 531,226. LION CHEMICAL COMPANY, Chicago, Ill. Filed Aug. 13, 1947.

GASONE

FOR CHEMICAL PREPARATION TO PREVENT FREEZING OF WATER IN GASOLINE TANKS.
Claims use since Aug. 6, 1946.

Ser. No. 531,400. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Aug. 14, 1947.

HYDROSECT

FOR INSECTICIDE.
Claims use since May 15, 1947.

Ser. No. 532,554. BROOKFIELD LABORATORIES, Brookfield, Ill. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

Dr. Merrick's

FOR MEDICINAL PREPARATIONS FOR EXTERNAL APPLICATION IN THE TREATMENT OF SKIN INFESTATIONS IN DOMESTIC ANIMALS.
Claims use since August 1942.

Ser. No. 533,203. ROUX DISTRIBUTING CO. INC., New York, N. Y. Filed Sept. 3, 1947.

ROUX

Applicant claims ownership of registration No. 380,307. FOR HAIR COLORINGS, SHAMPOO TINT, HAIR DYE, OIL BLEACH, RINSE FOR THE HAIR, LASH AND BROW TINT, DRAB TONER FOR THE HAIR, DYE SOLVENT, HYDROGEN PEROXIDE FOR THE HAIR, HAIR CRAYON, LACQUER AND BLUING FOR THE HAIR.
Claims use since June 15, 1939.

Ser. No. 533,269. CLARK CLEVELAND, INCORPORATED, Binghamton, N. Y. Filed Sept. 4, 1947.

CELPEC

FOR LAXATIVE OR INTESTINAL REGULATOR.
Claims use since Apr. 23, 1947.

Ser. No. 533,660. ABBOTT LABORATORIES, North Chicago, Ill. Filed Sept. 6, 1947.

MOSIDAL

FOR SEDATIVE PREPARATION INTENDED FOR USE IN TREATMENT OF AIRSICKNESS, CARSIKNESS, AND SEASICKNESS.
Claims use since Aug. 26, 1947.

Ser. No. 533,962. WYETH INCORPORATED, Philadelphia, Pa. Filed Sept. 20, 1947.

ORNAPIN

FOR PENICILLIN IN DOSAGE FORM.
Claims use since Sept. 21, 1945.

Ser. No. 534,310. DAVID ANTHONY MOLINARI, San Francisco, Calif. Filed Sept. 12, 1947.

BRUTE-IN-MAN

FOR PERFUME, TOILET WATER, COLOGNE, COLD CREAM, AND LIPSTICK.
Claims use since May 15, 1941.

Ser. No. 534,312. DAVID ANTHONY MOLINARI, San Francisco, Calif. Filed Sept. 12, 1947.

**CUPID'S
VICTORY**

FOR PERFUME, TOILET WATER, COLOGNE, COLD CREAM, AND LIPSTICK.
Claims use since May 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 535,301. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y. Filed Sept. 23, 1947.

PINNACLE

Applicant claims ownership of registration No. 191,253. FOR TYPEWRITER RIBBONS AND CARBON PAPER. Claims use since 1908.

Ser. No. 535,302. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y. Filed Sept. 23, 1947.

RAINBOW

Applicant claims ownership of registration No. 168,426. FOR TYPEWRITER RIBBONS AND CARBON PAPER. Claims use since 1906.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 534,334. PACIFIC CLAY PRODUCTS, Los Angeles, Calif. Filed Sept. 12, 1947.

ACORN

FOR STRAIGHTS AND STANDARD SIZE SHAPES OF FIRE BRICK, AND FIRE CLAY.
Claims use since 1915.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 530,634. FABER, COE & GREGG, INC., New York, N. Y. Filed Aug. 6, 1947.

GORSE HILL

FOR SMOKING TOBACCO.
Claims use since Nov. 15, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 526,518. RAYTHEON MANUFACTURING COMPANY, Newton, Mass. Filed July 5, 1947.

Radatrange

FOR HIGH-FREQUENCY ELECTRONIC OVENS.
Claims use since July 19, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 530,548. MUNISING WOOD PRODUCTS COMPANY, INC., Chicago, Ill. Filed Aug. 5, 1947.

SUNNY DAY

FOR CLOTHESPIN.
Claims use since March 1931.

Ser. No. 532,897. WORLDBEST INDUSTRIES, INC., Cudahy, Wis. Filed Aug. 29, 1947.

STRETCHMASTER

FOR CURTAIN STRETCHERS.
Claims use since July 25, 1947.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 530,319. KAUFMAN & RUDERMAN, INC., New York, N. Y. Filed Aug. 2, 1947.

**Tailored
Lady**

FOR COSTUME JEWELRY.
Claims use since July 21, 1947.

Ser. No. 530,823. IMPERIAL PEARL SYNDICATE, INC., Chicago, Ill. Filed Aug. 8, 1947.

Imperial

Applicant claims ownership of registrations Nos. 290,417 and 404,912. FOR CULTURED PEARLS, CULTURED PEARL NECKLACES, CULTURED PEARL RINGS, JEWELRY AND ORNAMENTS CONTAINING CULTURED PEARLS, GOLD AND GOLD FILLED JEWELRY SUCH AS EARRINGS, SCARF PINS, CUFF BUTTONS, STUDS, AND BRACELETS.
Claims use since 1933.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 534,770. JOHN H. GRAHAM & CO., INC., New York, N. Y. Filed Sept. 17, 1947.

BISON

FOR MOPS.
Claims use since Mar. 12, 1940.

Ser. No. 538,044. VICTOR SILSON, doing business as Victor Silson Company, New York, N. Y. Filed Oct. 16, 1947.

FLIPPIT

FOR BRUSHES USED FOR THE APPLICATION OF LIPSTICK.
Claims use since Sept. 5, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 515,322. METAL-TEX CORPORATION, Racine, Wis. Filed July 5, 1947.

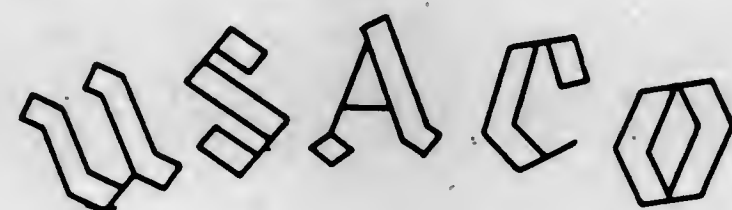
**SPLEND
-AIRE**

FOR PORTABLE, ELECTRIC WINDOW VENTILATOR UNITS.
Claims use since Oct. 21, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND
NONMETALLIC TIRES

Ser. No. 529,929. RAYBESTOS-MANHATTAN, INC., Passaic,
N. J. Filed July 29, 1947.



Applicant claims ownership of registration No. 78,050.
FOR CLUTCH FACINGS AND BRAKE LININGS.
Claims use since 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 512,189. MIDWEST RUBBER RECLAIMING COM-
PANY, East St. Louis, Ill. Filed July 5, 1947.

Mill Line

FOR EMPLOYEES' MAGAZINE.
Claims use since Aug. 30, 1946.

Ser. No. 530,845. RANDOM HOUSE, INC., New York, N. Y.
Filed Aug. 8, 1947. Under section 2f of the act of 1946.

THE MODERN LIBRARY

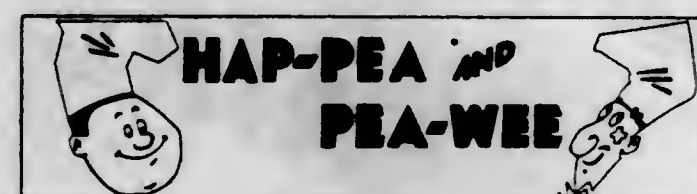
FOR BOOKS.
Claims use since April 1917.

Ser. No. 530,950. NORCROSS, INC., New York, N. Y. Filed
Aug. 9, 1947.

Sweetheart Roses

FOR GREETING CARDS, PRINTED GREETING
FOLDERS, CALENDARS, PRINTED SEALS, AND DEC-
ORATIVE PRINTED TAGS.
Claims use since July 19, 1947.

Ser. No. 531,004. ANDERSEN'S FOODS, INC., Buellton,
Calif. Filed Aug. 11, 1947.



FOR COMIC STRIP.
Claims use since Oct. 4, 1946.

Ser. No. 531,307. BROOKS BROTHERS, New York, N. Y.
Filed Aug. 14, 1947.

The "346" Shop



Applicant disclaims the word "Shop."
FOR BOOKS, CALENDARS, GREETING CARDS,
MAGAZINES, MAPS, PHOTOGRAPHS, PICTURES,
ETCHINGS, PRINTS AND SHEET MUSIC.
Claims use since July 22, 1947.

Ser. No. 531,485. KEYBOARD JR. PUBLICATIONS, INCORPO-
RATED, New Haven, Conn. Filed Aug. 15, 1947.

KEYBOARD JR.

Applicant claims ownership of registration No. 367,839.
FOR PERIODICAL ISSUED EIGHT MONTHS A
YEAR, RELATING TO THE TEACHING OF PIANO
PLAYING.
Claims use since Nov. 28, 1942.

Ser. No. 531,889. CHILD LIFE, INC., Boston, Mass. Filed
Aug. 20, 1947.

CHILD LIFE

FOR MONTHLY PUBLICATION.
Claims use since December 1921.

Ser. No. 531,924. MAGAZINE ENTERPRISES, INC., New
York, N. Y. Filed Aug. 20, 1947.

MANHUNT!

FOR COMIC MAGAZINE PUBLISHED MONTHLY.
Claims use since June 12, 1947.

Ser. No. 532,050. THE NEWSPAPER PM, INC., New York,
N. Y. Filed Aug. 21, 1947.

Ser. No. 527,366. SURREY FOOTWEAR, INC., New York,
N. Y. Filed July 5, 1947.

AGILE TRED

FOR SHOES.
Claims use since June 16, 1947.

Ser. No. 527,613. CONSOLIDATED RETAIL STORES, INC., St.
Louis, Mo. Filed July 5, 1947.

PARIMODIE

Applicant claims ownership of registration No. 246,438.
FOR SHOES CONSTRUCTED OF COMBINATIONS OF
LEATHER, RUBBER, AND FABRIC.
Claims use since Feb. 27, 1927.

Ser. No. 527,614. CONSOLIDATED RETAIL STORES, INC., St.
Louis, Mo. Filed July 5, 1947.

Beverly

Applicant claims ownership of registrations Nos.
254,348 and 328,659.
FOR SHOES CONSTRUCTED OF COMBINATIONS OF
LEATHER, RUBBER, AND FABRIC.
Claims use since Dec. 8, 1925.

Ser. No. 528,294. MANCHESTER HOSIERY MILLS, Manches-
ter, N. H. Filed July 10, 1947.

"Purspare"

FOR WOMEN'S HOSIERY.
Claims use since May 15, 1947.

Ser. No. 528,511. ROCKFORD MITTEN & HOSIERY COMPANY,
Rockford, Ill. Filed July 12, 1947.

*Jury
AWARD WINNER*

FOR HOSIERY.
Claims use since December 1940.

CLAIRE VOYANT

FOR COMIC STRIP IN A DAILY AND SUNDAY
NEWSPAPER.
Claims use since May 10, 1943.

CLASS 39
CLOTHING

Ser. No. 526,521. TEEN-TIMERS, INC., New York, N. Y.
Filed July 5, 1947.



FOR DRESSES FOR GIRLS IN THE SIZE RANGE
8 TO 16.
Claims use since Aug. 19, 1943.

Ser. No. 526,522. TEEN-TIMERS, INC., New York, N. Y.
Filed July 5, 1947.



FOR DRESSES FOR GIRLS IN THE SIZE RANGE
7 to 14.
Claims use since Sept. 12, 1944.

Ser. No. 531,621. SAMUEL FINK, Utica, N. Y. Filed Aug. 16, 1947.



No claim is made to the words "As Durable as the Sphinx" apart from the mark.

FOR MEN'S, BOYS', WOMEN'S, AND CHILDREN'S HOSIERY, UNDERWEAR, SWEATERS, AND SPORTSWEAR—NAMELY, JACKETS, SPORTS SHIRTS, POLO SHIRTS, TEE SHIRTS, BATHING SUITS, AND MITTENS.

Claims use since 1928.

Ser. No. 536,598. FOREST CITY MANUFACTURING COMPANY, St. Louis, Mo. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

Martha Manning

Applicant claims ownership of registration No. 383,086. FOR WEARING APPAREL—NAMELY, WOMEN'S AND MISSES' DRESSES AND FROCKS. Claims use since Sept. 27, 1939.

Ser. No. 536,599. FOREST CITY MANUFACTURING COMPANY, St. Louis, Mo. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

Carole King

Applicant claims ownership of registration No. 358,351. FOR WOMEN'S AND GIRLS' WEARING APPAREL—NAMELY, JUNIOR DRESSES IN COTTONS, RAYONS, SILKS, AND WOOLS FOR STREET AND SPORTS WEAR.

Claims use since May 15, 1937.

Ser. No. 536,600. FOREST CITY MANUFACTURING COMPANY, doing business as Doris Dodson Garment Company, St. Louis, Mo. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

Doris Dodson

Applicant claims ownership of registration No. 353,306. FOR JUNIOR MISSES' STREET, SPORT, AND HOUSE DRESSES.

Claims use since Sept. 15, 1936.

Ser. No. 537,682. FRANK STACK HATS, INC., South Norwalk, Conn. Filed Oct. 13, 1947.



Applicant claims ownership of registration No. 411,471. FOR MEN'S FUR FELT HATS AND MEN'S STRAW HATS.

Claims use since May 1, 1942.

Ser. No. 537,759. WEINSTOCK MANUFACTURING CO., St. Louis, Mo. Filed Oct. 13, 1947. Under section 2f of the act of 1946.

Connie Carter

Applicant claims ownership of registration No. 376,994. FOR WEARING APPAREL—NAMELY, WOMEN'S AND MISSES' HOUSE AND STREET DRESSES.

Claims use since July 1, 1938.

Ser. No. 537,795. GAGE BROTHERS AND COMPANY, Chicago, Ill. Filed Oct. 14, 1947. Under section 2f of the act of 1946.

Gage handcraft

No claim is made to the word "Handcraft" apart from the mark. Applicant claims ownership of registration No. 132,380, renewed.

FOR LADIES' HATS.

Claims use since Jan. 1, 1932; and since Oct. 10, 1894, to the word "Gage."

Ser. No. 537,836. JACK TOBIN, INC., Philadelphia, Pa. Filed Oct. 14, 1947.

Dunya

FOR CHILDREN'S DRESSES. Claims use since Oct. 15, 1935.

Ser. No. 538,250. DEBBY-LOU SPORTSWEAR INC., Boston, Mass. Filed Oct. 18, 1947.

Compliment

FOR WOMEN'S SPORTSWEAR—NAMELY, DRESSES, SUITS, SKIRTS, AND SHORTS, SLACKS. Claims use since July 1, 1947.

Ser. No. 538,251. DEBBY-LOU SPORTSWEAR INC., Boston, Mass. Filed Oct. 18, 1947.

419X

FOR WOMEN'S SPORTSWEAR—NAMELY, DRESSES, SUITS, SKIRTS, AND SHORTS, SLACKS. Claims use since Apr. 7, 1942.

Ser. No. 538,252. DEBBY-LOU SPORTSWEAR INC., Boston, Mass. Filed Oct. 18, 1947.

"Debbi-Lou"

FOR WOMEN'S SPORTSWEAR—NAMELY, DRESSES, SUITS, SKIRTS, AND SHORTS, SLACKS. Claims use since Feb. 5, 1942.

Ser. No. 538,253. DEBBY-LOU SPORTSWEAR INC., Boston, Mass. Filed Oct. 18, 1947.

PLAYOTTE

FOR WOMEN'S DIVIDED SKIRTS. Claims use since June 12, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 527,486. FLAMINGO PRODUCTS, INC., Danville, Ill. Filed July 5, 1947.

Flamingo

FOR BOB PINS. Claims use since Aug. 30, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 511,420. ROYAL DULUTH MILLS COMPANY, Duluth, Minn. Filed July 5, 1947.



The word "Duluth" is disclaimed. The drawing is lined to represent the colors red and blue, and the picture of the man is fanciful.

FOR WOOL FABRICS SOLD BY THE BOLT. Claims use since Oct. 17, 1946.

Ser. No. 532,297. I. B. KLEINERT RUBBER COMPANY, INC.,
New York, N. Y. Filed Aug. 25, 1947.

ALLURON

FOR WINDOW CURTAINS AND DRAPES MADE
OF VINYLITE PLASTIC FILM.
Claims use since November 1944.

Ser. No. 533,581. ISELIN-JEFFERSON COMPANY, INC., New
York, N. Y. Filed Sept. 5, 1947.



No claim is made to the exclusive use of the words
"A" and "Product" apart from the mark. Applicant
claims ownership of registration No. 428,500.
FOR COTTON PIECE GOODS.
Claims use since Mar. 5, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 528,278. THE GREAT ATLANTIC & PACIFIC TEA
COMPANY, New York, N. Y. Filed July 10, 1947.

Sunnyfield RICE GEMS

No claim is made to the exclusive use of the word
"Rice" apart from the mark. Applicant claims owner-
ship of registrations Nos. 244,172, 275,735, 159,362,
182,131, 185,150, 266,268, 283,006, 315,962, 379,638,
380,203, and 396,218.

FOR RICE BREAKFAST CEREAL.
Claims use since Oct. 8, 1941.

Ser. No. 528,279. THE GREAT ATLANTIC & PACIFIC TEA
COMPANY, New York, N. Y. Filed July 10, 1947.

NU-JEMS

Applicant claims ownership of registrations Nos.
244,172, 275,735, and 396,218.
FOR BREAKFAST CEREAL.
Claims use since May 1, 1930.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 506,301. MANUEL FERNANDEZ CO., S. A., Habana,
Cuba. Filed Sept. 2, 1947.

TORRENTE

FOR CORDIALS AND LIQUEURS.
Claims use since Aug. 10, 1925.

Ser. No. 526,596. PUBLICKER INDUSTRIES INC., Philadel-
phia, Pa. Filed July 5, 1947.

PHARMCO

Applicant claims ownership of registration No. 303,807.
FOR PURE ETHYL ALCOHOL.
Claims use since Jan. 18, 1933.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

FEBRUARY 24, 1948

436,790. METAL WORKING MACHINES AND TOOLS—
NAMESLY, GRINDERS, LATHES, AND MILLING
MACHINES. THE R. K. LE BLOND MACHINE TOOL
Co., Cincinnati, Ohio.

Filed July 31, 1944. Serial No. 472,782. PUBLISHED
DECEMBER 2, 1947. Class 23.

436,791. METAL TUBING. TRENT TUBE MANUFACTUR-
ING Co., East Troy, Wis.

Filed August 3, 1945. Serial No. 486,700. PUB-
LISHED NOVEMBER 25, 1947. Class 13.

436,792. PAPERBOARD SHIPPING CONTAINERS.
CONTAINER CORPORATION OF AMERICA, Chicago, Ill.

Filed August 13, 1945. Serial No. 487,071. PUB-
LISHED DECEMBER 2, 1947. Class 2.

436,793. HIGH FREQUENCY ELECTRONIC POWER
GENERATING AND HEATING APPARATUS FOR
USE IN TREATMENT OF MATERIALS, ETC.

RADIO CORPORATION OF AMERICA, New York, N. Y.

Filed October 20, 1945. Serial No. 490,259. PUB-
LISHED NOVEMBER 25, 1947. Class 21.

436,794. NON-ELECTRICAL CAST ALUMINUM COOK-
ING GRILL AND COMBINATION GRILL AND
PLATTER. CONRAD D. MULLER, doing business as

Quincy Electronics Co., Quincy, Mich.

Filed January 19, 1946. Serial No. 495,086. PUB-
LISHED NOVEMBER 18, 1947. Class 13.

436,795. HYDRAULIC PRESSES—NAMESLY, BRI-
QUETTING PRESSES, MOLDING PRESSES, FORM-
ING PRESSES, BLANKING PRESSES, STRETCH-
ING PRESSES, EXTRUSION PRESSES, DIE CAST-
ING PRESSES, AND PUMPS FOR HYDRAULIC

PRESSES. THE HYDRAULIC PRESS MANUFACTURING
COMPANY, Mount Gilead, Ohio.

Filed February 18, 1946. Serial No. 496,788. PUB-
LISHED DECEMBER 2, 1947. Class 23.

436,796. GASOLINE, KEROSENE, BURNING OILS FOR
HEATING, COOKING, OR ILLUMINATING PUR-
POSES, FUEL OILS FOR USE IN INTERNAL COM-
BUSTION ENGINES, DISTILLATE, LUBRICATING

OILS AND GREASES. MILTON OIL COMPANY, St.
Louis, Mo.

Filed March 4, 1946. Serial No. 497,623. PUBLISHED
OCTOBER 28, 1947. Class 15.

436,797. TUBULAR LIPSTICK HOLDERS; VALVE
CONTROLLED, TUBULAR PERFUME, POWDER
AND LOTION DISPENSERS; AND TUBULAR
VALVE-CONTROLLED CONTAINERS FOR CAM-
ERA LENS CLEANER, ALL OF WHICH ARE OF

NON-PRECIOUS METALS AND SOLD EMPTY TO
THE TRADE. RICHARD F. MATTHEWS, Huntington
Park, Calif.

Filed May 4, 1946. Serial No. 501,464. PUBLISHED
NOVEMBER 25, 1947. Class 2.

436,798. ELECTRIC HOISTS. LISBON HOIST AND CRANE
COMPANY, Lisbon, Ohio.

Filed May 9, 1946. Serial No. 501,748. PUBLISHED
NOVEMBER 25, 1947. Class 21.

436,799. RADIO RECEIVING APPARATUS AND PARTS
THEREOF. NEW IDEA, INC., Coldwater, Ohio, as-
signor to Avco Manufacturing Corporation, Detroit,
Mich., a corporation of Delaware.

Filed June 15, 1946. Serial No. 503,992. PUBLISHED
OCTOBER 7, 1947. Class 21.

436,800. CANNED RIPE OLIVES. WM. H. FLOYD, doing
business as Wm. H. Floyd & Co., Los Angeles, Calif.

Filed June 25, 1946. Serial No. 504,539. PUBLISHED
NOVEMBER 25, 1947. Class 46.

436,801. CURTAIN AND DRAPERY HARDWARE—
NAMESLY, DRAPERY BRACKETS, FESTOON ARMS,
FESTOON RINGS, FESTOON HOLDERS, TIE

BACKS, SHADE PULLS, PUSH PINS, SWINGING
CRANES, CURTAIN BRACKETS, EXTENDER
RODS. PLASTI-GLO MANUFACTURING COMPANY, Chi-
cago, Ill.

Filed July 13, 1946. Serial No. 505,616. PUBLISHED
NOVEMBER 18, 1947. Class 13.

436,802. TANK BALLS FOR FLUSH TOILETS. BEN-
NETT SVIRSKY, New Haven, Conn.

Filed July 27, 1946. Serial No. 506,398. PUBLISHED
NOVEMBER 18, 1947. Class 13.

436,803. CHANGE SPEED GEAR BOXES. WYCLIFFE
FOUNDRY & ENGINEERING CO. LIMITED, Lutterworth,
near Rugby, England.

Filed August 23, 1946. Serial No. 507,955. PUB-
LISHED DECEMBER 2, 1947. Class 23.

436,804. AUTOMOBILE REPAIR AND REPLACEMENT
PARTS; PARTICULARLY FOR AUTOMOBILE IG-
NITIONS—NAMESLY, CONTACTS AND CONTACT
POINTS, DISTRIBUTOR CAPS AND ROTORS, CON-
DENSERS, COILS, BRUSHES, BUSHINGS, CUT-
OUT SWITCHES, STARTER SWITCHES, DIMMER

SWITCHES AND RELAYS, STARTER DRIVE
SPRINGS AND PARTS, LIGHT AND HORN RE-
LAYS, VOLTAGE REGULATORS, AND IGNITION
TESTERS OF THE ELECTRIC BULB TYPE. F. &
B. MFG. Co., Chicago, Ill.

Filed August 24, 1946. Serial No. 507,976. PUB-
LISHED NOVEMBER 25, 1947. Class 21.

436,805. FURNITURE GLIDES. FRANK CANNON ENTER-
PRISES, Dayton, Ohio.

Filed August 28, 1946. Serial No. 508,140. PUB-
LISHED DECEMBER 2, 1947. Class 13.

436,806. METAL VASES AND METAL STANDS AND
HOLDERS FOR FLOWERS AND FLOWER POTS.
ARISTON, INCORPORATED, New York, N. Y.

Filed September 4, 1946. Serial No. 508,459. PUB-
LISHED NOVEMBER 18, 1947. Class 13.

436,807. SHOWER CURTAINS MADE OF PLASTIC
SHEETING. U. S. FIBER & PLASTICS CORP., Stirling,
N. J.

Filed October 2, 1946. Serial No. 510,138. PUB-
LISHED NOVEMBER 18, 1947. Class 13.

436,808. TOILET SEATS, TOILET PLUNGERS, DOOR
STOPS, KEY RINGS, NAILS, SCREWS, TACKS,
HOOKS AND EYES, DISH PANS, AND TEA KET-
TLES. VERALIN, INC., Chicago, Ill.

Filed October 12, 1946. Serial No. 510,817. PUB-
LISHED NOVEMBER 18, 1947. Class 13.

436,809. CANNED SPAGHETTI SAUCE, SPAGHETTI
AND BEEF MEAT BALLS, BEEF MEAT BALLS,
RAVIOLI, MACARONI, SPAGHETTI, GRATED
CHEESE, AND RAW SPAGHETTI. CHEF BOY-AR-
DEE QUALITY FOODS, INC., Milton, Pa., now by change
of name American Home Foods, Inc., a corporation of
Ohio.

Filed October 15, 1946. Serial No. 510,881. PUB-
LISHED NOVEMBER 15, 1947. Class 46.

- 436,810. REMOVABLE CAP FOR A GREASE FITTING OF THE TYPE TO WHICH GREASE IS SUPPLIED UNDER PRESSURE BY A GREASE GUN HAVING A FITTING-ENGAGING DISCHARGE SOCKET. ALBERT E. KLINGER, South Bend, Ind. Filed October 18, 1946. Serial No. 511,096. PUBLISHED DECEMBER 2, 1947. Class 23.
- 436,811. ELECTRICALLY ACTUATED PORTABLE TOOLS, SPECIFICALLY, DRILLS AND SAWS. CARL WOLMER, doing business as Portable Electrical Tool Company, Forest Park, Ill. Filed October 24, 1946. Serial No. 511,432. PUBLISHED DECEMBER 2, 1947. Class 21.
- 436,812. WAX CANDLES. EMERY INDUSTRIES, INC., Cincinnati and Mariemont, Ohio. Filed November 1, 1946. Serial No. 511,866. PUBLISHED NOVEMBER 11, 1947. Class 15.
- 436,813. PLUMBING AND STEAM-FITTING SUPPLIES—NAMES, FAUCETS, TAPS, VALVES, AND FITTINGS; AND HARDWARE—NAMES, HINGES AND KNOBS FOR FURNITURE, DOORS, AND WINDOWS. S/A. INDUSTRIAS METALURGICAS "CRB," Sao Paulo, Brazil. Filed November 12, 1946. Serial No. 512,451. PUBLISHED NOVEMBER 18, 1947. Class 13.
- 436,814. PETROLEUM LUBRICATING GREASE AND LUBRICATING OIL. HEMISPHERE TRADING COMPANY, INC., New Orleans, La. Filed November 15, 1946. Serial No. 512,669. PUBLISHED DECEMBER 2, 1947. Class 15.
- 436,815. LIQUID ASBESTOS ROOF CEMENT. THE MONROE COMPANY, INC., Cleveland, Ohio. Filed November 30, 1946. Serial No. 513,521. PUBLICATION WAIVED. Class 12.
- 436,816. LUBRICATING OIL AND MOTOR TUNE-UP OIL. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed December 3, 1946. Serial No. 513,615. PUBLISHED DECEMBER 2, 1947. Class 15.
- 436,817. OILS AND GREASES USED FOR THE PREVENTION OF RUST. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed December 27, 1946. Serial No. 514,914. PUBLISHED NOVEMBER 4, 1947. Class 15.
- 436,818. PLASTIC HOLDERS WITH A BASE METAL CHAIN USED IN CONNECTION WITH AN AUTO IGNITION LOCK TO ASSURE REMOVAL OF THE IGNITION KEY FROM THE LOCK WHEN THE MOTOR IS NOT RUNNING. RUMSEY CHEVROLET, Swarthmore, Pa. Filed January 11, 1947. Serial No. 515,638. PUBLISHED DECEMBER 2, 1947. Class 13.
- 436,819. OIL PREPARATION FOR ADDITION TO PETROL FOR USE IN INTERNAL COMBUSTION ENGINES TO PROMOTE LUBRICATION AND DIMINISH DEPOSITION OF CARBON AND TO ACT AS AN ENERGIZER. BENTLEY MAUDSLEY & Co., LIMITED, London, England. Filed January 24, 1947. Serial No. 516,250. PUBLISHED NOVEMBER 4, 1947. Class 15.
- 436,820. QUENCHING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed January 30, 1947. Serial No. 516,642. PUBLISHED NOVEMBER 18, 1947. Class 15.
- 436,821. LUBRICATING OILS AND GREASES. FREEDOM-VOLVO OIL COMPANY, Freedom, Pa. Filed February 7, 1947. Serial No. 517,123. PUBLISHED DECEMBER 2, 1947. Class 15.
- 436,822. WHISTLE VALVES, AUTOMATIC PRESSURE AND VACUUM RELIEF VALVES, AND CHECK VALVES. SWANSON MANUFACTURING COMPANY, INC., Fort Wayne, Ind. Filed February 10, 1947. Serial No. 517,271. PUBLISHED NOVEMBER 18, 1947. Class 13.

- 436,823. ELECTRIC BOTTLE WARMERS. CHARLES F. FULLER, doing business as New Haven Products Company, New Haven, Conn. Filed February 14, 1947. Serial No. 517,471. PUBLISHED DECEMBER 2, 1947. Class 21.
- 436,824. LAWN SPRINKLERS. MILFORD W. HARTMANN, doing business as M. W. Hartmann Manufacturing and Supply Company, Hutchinson, Kans. Filed February 24, 1947. Serial No. 517,992. PUBLISHED DECEMBER 2, 1947. Class 13.
- 436,825. DUAL PURPOSE SHUT-OFF NOZZLE FOR A FIRE HOSE. GRINNELL COMPANY, INC., Providence, R. I., assignor to Grinnell Corporation, Providence, R. I., a corporation of Delaware. Filed March 4, 1947. Serial No. 518,462. PUBLISHED DECEMBER 2, 1947. Class 13.
- 436,826. ALUMINUM COOKING UTENSILS—NAMES, SAUCE PANS, PERCOLATORS, TEA KETTLES, POTS, AND DOUBLE BOILERS. ALUMINUM GOODS MFG. CO., Manitowoc, Wis. Filed March 7, 1947. Serial No. 518,637. PUBLISHED DECEMBER 2, 1947. Class 13.
- 436,827. LUBRICATING OILS. SUN OIL COMPANY, Philadelphia, Pa. Filed March 11, 1947. Serial No. 518,857. PUBLISHED NOVEMBER 4, 1947. Class 15.
- 436,828. LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa. Filed March 11, 1947. Serial No. 518,858. PUBLISHED NOVEMBER 4, 1947. Class 15.
- 436,829. ELECTRIC RAZORS. ESCORT SALES COMPANY, INC., New York, N. Y. Filed March 18, 1947. Serial No. 519,185. PUBLISHED NOVEMBER 25, 1947. Class 23.
- 436,830. FLEXIBLE METAL TUBING AND CONDUIT, AND FITTINGS FOR CONFINING AND CONVEYING LIQUIDS, GASES, OR SOLIDS. CO-OPERATIVE INDUSTRIES, INC., Chester and Summit, N. J. Filed March 19, 1947. Serial No. 519,261. PUBLISHED DECEMBER 2, 1947. Class 13.
- 436,831. WIRED ELECTRONIC COMMUNICATION SETS OF THE TYPE USING LOUDSPEAKERS FOR DELIVERY AND PICKUP AND ESPECIALLY ADAPTABLE FOR NURSERY USE. LYMAN ELECTRONIC CORPORATION, Springfield, Mass. Filed April 2, 1947. Serial No. 520,048. PUBLISHED DECEMBER 2, 1947. Class 21.
- 436,832. OIL USED FOR THE INSULATION AND FILLING OF ELECTRICAL CABLES AND CABLE JOINTS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed April 2, 1947. Serial No. 520,062. PUBLISHED DECEMBER 2, 1947. Class 21.
- 436,833. GASOLINE. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed April 28, 1947. Serial No. 521,424. PUBLISHED NOVEMBER 11, 1947. Class 15.
- 436,834. BENCH VISES, PIPE VISES, AND COMBINATION BENCH AND PIPE VISES. WILTON TOOL MANUFACTURING CO., Chicago, Ill. Filed May 3, 1947. Serial No. 521,842. PUBLISHED NOVEMBER 25, 1947. Class 23.
- 436,835. CONCRETE BLOCK-MAKING MACHINE. LESLIE C. MILLER SUPPLY, INC., Bedford, Ohio. Filed May 6, 1947. Serial No. 521,998. PUBLISHED NOVEMBER 25, 1947. Class 23.
- 436,836. COMBINATION POCKET PIECE, BOTTLE OPENER, AND KEY CHAIN. OSCAR R. GALTER, Chicago, Ill. Filed June 2, 1947. Serial No. 523,379. PUBLISHED NOVEMBER 25, 1947. Class 23.

- 436,837. RADIO RECEIVING SETS WITH BUILT-IN PHONOGRAPH ATTACHMENTS. AEOLIAN AMERICAN CORPORATION, East Rochester, N. Y. Filed June 17, 1947. Serial No. 524,275. PUBLISHED NOVEMBER 25, 1947. Class 21.
- 436,838. RADIO RECEIVING SETS WITH BUILT-IN PHONOGRAPH ATTACHMENTS. AEOLIAN AMERICAN CORPORATION, East Rochester, N. Y. Filed June 17, 1947. Serial No. 524,276. PUBLISHED NOVEMBER 25, 1947. Class 21.

- 436,839. BARE AND INSULATED ELECTRIC WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y. Filed June 17, 1947. Serial No. 524,320. PUBLISHED NOVEMBER 25, 1947. Class 21.
- 436,840. ELECTRIC CUTOUT BOXES AND FLUORESCENT LIGHTING FIXTURES. THE HUENEFELD COMPANY, Cincinnati, Ohio. Filed June 19, 1947. Serial No. 524,466. PUBLISHED NOVEMBER 25, 1947. Class 21.

ACT OF 1920

These registrations are not subject to opposition.

- 436,841. (CLASS 38. PRINTS AND PUBLICATIONS.) LABOR RELATIONS INSTITUTE, New York, N. Y. Filed July 8, 1944. Serial No. 472,006.

- 436,844. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SOCIETE DES LUNETIERS, EPARTIER, OTTOLINI, COTTET & CIE, Paris, France. Filed Oct. 31, 1945. Serial No. 490,858.

Practical Methods in Labor Relations

FOR PUBLICATION ISSUED TWICE MONTHLY. THE SUBJECT MATTER OF THIS PUBLICATION RELATING TO PRACTICAL METHODS IN LABOR RELATIONS. Claims use since February 1943.

- 436,842. (CLASS 38. PRINTS AND PUBLICATIONS.) TOOL & DIE JOURNAL, Cleveland, Ohio. Filed Feb. 14, 1945. Serial No. 479,824.

TOOL & DIE JOURNAL

FOR MONTHLY PUBLICATION. MORE PARTICULARLY A PUBLICATION CONTAINING ARTICLES RELATING TO MACHINES AND MANUFACTURING PROCESSES. Claims use since March 1941.

- 436,843. (CLASS 12. CONSTRUCTION MATERIALS.) THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed May 23, 1945. Serial No. 483,702.

SWET-PRUF

FOR MASTIC COMPOUND FOR COATING PIPE SURFACES AND THE LIKE TO ELIMINATE CONDENSATION. Claims use since Apr. 17, 1945.

607 O. G.—40

PANORAMIC

FOR EYEGLASS AND SPECTACLE FRAMES AND LENSES THEREFOR. Claims use since July 27, 1943.

- 436,845. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOMINION CHEMICAL CO., INC., New York, N. Y. Filed Jan. 19, 1946. Serial No. 495,017.

RUSTOFF

FOR LIQUID COMPOUND USED TO PREVENT CORROSION AND THE FORMATION OF RUST AND SCALE IN HOT OR COLD WATER SYSTEMS INCLUDING BOILERS, TANKS AND PIPE LINES. Claims use since July 1936.

- 436,846. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KAY-DEE JEWELRY COMPANY, Providence, R. I. Filed Feb. 14, 1946. Serial No. 496,557.

DIA MOND COLORSCOPE

FOR COLORED GLASS FOR INSPECTING DIAMONDS. Claims use since Nov. 29, 1940.

- 436,847. (CLASS 12. CONSTRUCTION MATERIALS.) SOUTHERN STATES IRON ROOFING COMPANY, Savannah, Ga. Filed July 8, 1946. Serial No. 505,260.

EVERWEAR

FOR CAULKING COMPOUND. Claims use since May 30, 1946.

TRADE-MARK REGISTRATIONS RENEWED

- 30,744. "MOSELEY & MOTLEY'S" ETC. AND DRAWING. Registered Oct. 26, 1897. Moseley & Motley Milling Company. Re-renewed Oct. 26, 1947, to Federal Mill, Inc., Rochester, N. Y., a corporation of New York. WHEAT FLOUR. Class 46.
- 63,945. SIGNATURE OF J. J. KEARNEY. Registered July 16, 1907. Stearns Electric Paste Co., Buffalo, N. Y. Re-renewed July 16, 1947, to Stearns' Electric Paste Co., Chicago, Ill., a firm. ANIMAL POISON. Class 6.
- 65,706. "STEPHENS' BLUE BLACK ETC. AND DESIGN. Registered Oct. 15, 1907. Henry Charles Stephens. Re-renewed Oct. 15, 1947, to Henry C. Stephens, Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. WRITING INKS. Class 11.
- 65,980. SIROCCO. Registered Nov. 5, 1907. Samuel Cleland Davidson, Belfast, Ireland. Re-renewed Nov. 5, 1947, to American Blower Corporation, Detroit, Mich., a corporation of Delaware. STOVES, FURNACES, STEAM BOILERS, FURNACE DRAFT APPARATUS, VENTILATING FANS, AND VENTILATING APPARATUS. Class 34.
- 66,042. SIROCCO. Registered Nov. 5, 1907. Samuel Cleland Davidson, Belfast, Ireland. Re-renewed Nov. 5, 1947, to American Blower Corporation, Detroit, Mich., a corporation of Delaware. CENTRIFUGAL FANS, BLOWERS, PROPELLER FANS, CENTRIFUGAL PUMPS, FORGES, TOBACCO CURING MACHINERY, TWYERS, AND OTHER NAMED MACHINERY AND SUPPLIES FOR COOLING AND DRYING PURPOSES. Classes 23 and 34.
- 66,386. "BLUE SEAL" AND DESIGN LINED FOR BLUE. Registered Nov. 26, 1907. Columbia Mill & Elevator Company, Columbia, Tenn., a corporation of Tennessee. Re-renewed Nov. 26, 1947. WHEAT-FLOUR. Class 46.
- 66,757. ACME. Registered Dec. 24, 1907. Acme White Lead & Color Works, Detroit, Mich., a corporation of Michigan. Re-renewed Dec. 24, 1947. COLORS IN OIL, DISTEMPER COLORS, JAPAN COLORS, ENAMELS, FINISHES, WHITE LEAD, LIQUID SLATING, PAINT AND VARNISH REMOVER, PAINTS OF ALL KINDS, STAINS, AND VARNISHES. Class 16.
- 66,918. "RED SEAL" AND DESIGN LINED FOR RED. Registered Jan. 7, 1908. Columbia Mill & Elevator Company, Columbia, Tenn., a corporation of Tennessee. Re-renewed Jan. 7, 1948. WHEAT-FLOUR. Class 46.
- 68,012. DIAMOND EDGE. Registered Mar. 3, 1908. Norvell-Shapleigh Hardware Company. Re-renewed Mar. 3, 1948, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. NON-CUTTING PLIERS, NON-CUTTING PINNERS, WRENCHES, AND PUTTY-KNIVES. Class 23.
- 68,024. VICTOR. Registered Mar. 3, 1908. Shapleigh Coffee Company. Re-renewed Mar. 3, 1948, to Martin L. Hall Company, Boston, Mass., a corporation of Massachusetts. COFFEE AND TEA. Class 46.
- 68,037. CHARIOT DESIGN. Registered Mar. 3, 1908. Shapleigh Coffee Company. Re-renewed Mar. 3, 1948, to Martin L. Hall Company, Boston, Mass., a corporation of Massachusetts. COFFEE AND TEA. Class 46.
- 68,085. SOLIDOGEN. Registered Mar. 10, 1908. H. A. Metz & Co. Re-renewed Mar. 10, 1948, to General Dye-stuff Corporation, New York, N. Y., a corporation of New York. CHEMICAL USED TO TREAT DYED GOODS IN ORDER TO PRODUCE MORE FAST AND STABLE RESULTS. Class 6.
- 68,222. REPRESENTATION OF A TUBE COLORED RED ABOVE AND BELOW THE ANNULAR BAND. Registered Mar. 17, 1908. N. P. Pratt Laboratory, Atlanta, Ga. Re-renewed Mar. 17, 1948, to Pure Carbonic, Incorporated, New York, N. Y., a corporation of Delaware. EPSOM SALTS, SULFATE OF LIME, CARBONIC-ACID GAS, AND SODIUM PHOSPHATE COMPOUNDS. Class 6.
- 68,386. CHAMPION. Registered Apr. 7, 1908. Mary Elizabeth Johnson, trustee. Re-renewed Apr. 7, 1948, to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass., a corporation of Massachusetts. RIFLES, SHOTGUNS, PISTOLS, AND REVOLVERS. Class 9.
- 68,389. REPRESENTATION OF OWL'S HEAD. Registered Apr. 7, 1908. Mary Elizabeth Johnson, trustee. Re-renewed Apr. 7, 1948, to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass., a corporation of Massachusetts. RIFLES, SHOTGUNS, PISTOLS, AND REVOLVERS. Class 9.
- 138,914. NOISELESS. Registered Jan. 11, 1921. The Noiseless Typewriter Company, Middletown, Conn. Renewed Jan. 5, 1948 (Supplemental Register), to Remington Rand Inc., New York, N. Y., a corporation of Delaware. TYPEWRITING-MACHINES. Class 23.
- 143,846. KERR. Registered June 14, 1921. Detroit Dental Manufacturing Company. Renewed Jan. 5, 1948 (Supplemental Register), to Kerr Manufacturing Company, Detroit, Mich., a corporation of Michigan. DENTAL SPECIALTIES, VIZ., PULP-CANAL INSTRUMENTS, BROACH-HOLDERS, TWEEZERS, LIFTERS OR HOLDERS FOR IMPRESSION COMPOUNDS; AND OTHER NAMED DENTAL, MEDICAL, AND SURGICAL APPLIANCES. Class 44.
- 174,290. VERITHIN. Registered Oct. 9, 1923. The Gruen Watch Company, Cincinnati and Time Hill, Cincinnati, Ohio. Renewed Jan. 5, 1948 (Supplemental Register), to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio. WATCHES, WATCH-CASES, AND WATCH MOVEMENTS. Class 27.
- 176,911. PALMYRA. Registered Dec. 4, 1923. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 180,815. "GARLOCK STYLE NO. 35" ETC. Registered Mar. 4, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 180,821. "GARLOCK STYLE NO. 107" ETC. Registered Mar. 4, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 181,171. "GARLOCK STYLE NO. 90" ETC. Registered Mar. 11, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.

- 183,512. GARLOCK STYLE NO. 19. Registered Apr. 29, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 183,513. GARLOCK STYLE NO. 22. Registered Apr. 29, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 183,514. GARLOCK STYLE NO. 24. Registered Apr. 29, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 183,515. GARLOCK STYLE NO. 150. Registered Apr. 29, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 183,516. GARLOCK STYLE NO. 243. Registered Apr. 29, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 183,517. GARLOCK STYLE NO. 900. Registered Apr. 29, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 183,518. GARLOCK STYLE NO. 901. Registered Apr. 29, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 183,550. GARLOCK STYLE NO. 17. Registered Apr. 29, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 184,746. ZENITH. Registered June 3, 1924. Fabriques Des Montres Zenith S. A. Zenith Watch Manufacturing Ltd., Le Locle, Switzerland, a corporation organized under the laws of Switzerland. Renewed June 3, 1944 (as provided by P. L. 517, July 17, 1946). VEHICLE WATCHES, CLOCKS, ALARM CLOCKS, AND PARTS OF CLOCKS. Class 27.
- 192,814. "GARLOCK STYLE NO. 125" ETC. Registered Dec. 9, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 192,816. "GARLOCK STYLE NO. 602" ETC. Registered Dec. 9, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,140. GARLOCK STYLE NO. 15. Registered Dec. 16, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,141. "GARLOCK STYLE NO. 31" ETC. Registered Dec. 16, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,142. "GARLOCK STYLE NO. 53" ETC. Registered Dec. 16, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,143. GARLOCK STYLE NO. 92. Registered Dec. 16, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,144. "GARLOCK STYLE NO. 601" ETC. Registered Dec. 16, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,145. "STYLE NO. 604 GARLOCK" ETC. Registered Dec. 16, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING OR PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,147. "GARLOCK STYLE NO. 144" ETC. Registered Dec. 16, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING OR PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, LEAD, COPPER, IRON, AND BABBITT. Class 35.

- 193,148. GARLOCK STYLE NO. 146. Registered Dec. 16, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,573. GARLOCK STYLE NO. 145. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,575. GARLOCK STYLE NO. 778. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,576. GARLOCK STYLE NO. 777. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,577. GARLOCK STYLE NO. 711. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,578. GARLOCK STYLE NO. 681. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,579. GARLOCK STYLE NO. 605. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,580. GARLOCK—188. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,581. GARLOCK—182. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,582. GARLOCK—175. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,583. GARLOCK STYLE NO. 117. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,584. GARLOCK—108. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 193,585. GARLOCK STYLE NO. 91. Registered Dec. 30, 1924. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 5, 1948 (Supplemental Register). PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.
- 202,812. REMINGTON NOISELESS. Registered Sept. 1, 1925. Remington-Noiseless Typewriter Corporation. Renewed Jan. 5, 1948 (Supplemental Register), to Remington Rand Inc., New York, N. Y., a corporation of Delaware. TYPEWRITING MACHINES. Class 23.
- 209,292. COPELAND. Registered Feb. 16, 1926. Copeland Products, Inc., Detroit, Mich. Renewed Jan. 5, 1948 (Supplemental Register), to Copeland Refrigeration Corporation, Sidney, Ohio, a corporation of Michigan. ICELESS REFRIGERATION SYSTEMS. Class 31.
- 209,407. "DE SOTO" AND DESIGN. Registered Feb. 23, 1926. De Soto Paint Manufacturing Co. Renewed Feb. 23, 1946, to De Soto Paint & Varnish Company, Memphis, Tenn., a corporation of Tennessee. VARNISH AND READY-MIXED PAINTS. Class 16.
- 220,598. KYD KREPE. Registered Nov. 9, 1926. Duplan Silk Corporation. Renewed Nov. 9, 1946, to The Duplan Corporation, New York, N. Y., a corporation of Delaware. SILK PIECE GOODS. Class 42.
- 220,599. DERBY SATIN. Registered Nov. 9, 1926. Duplan Silk Corporation. Renewed Nov. 9, 1946, to The Duplan Corporation, New York, N. Y., a corporation of Delaware. SILK PIECE GOODS. Class 42.
- 220,766. CREPE MONA. Registered Nov. 16, 1926. Duplan Silk Corporation. Renewed Nov. 16, 1946, to The Duplan Corporation, New York, N. Y., a corporation of Delaware. SILK PIECE GOODS. Class 42.
- 229,373. "THE SOUTHERN PHARMACEUTICAL JOURNAL" AND DESIGN. Registered June 28, 1927. Walter Henry Cousins. Renewed June 28, 1947, to Sue Reeves Cousins, Dallas, Tex. MONTHLY PUBLICATION (THE SOUTHERN PHARMACEUTICAL JOURNAL). Class 38.
- 230,232. WESTERN CONSTRUCTION NEWS. Registered July 19, 1927. Western Construction News, Inc. Renewed July 19, 1947, to King Publications, San Francisco, Calif., a co-partnership. SEMIMONTHLY MAGAZINES. Class 38.

- 230,345. DOTMALLOW. Registered July 19, 1927. The Richlite Products Co., Cleveland, Ohio. Renewed July 19, 1947, to William S. Nicholson, Rochester, N. Y. MARSHMALLOWS. Class 46.
- 230,367. "TOPPY". Registered July 19, 1927. The Federal Packing Co., Cleveland, Ohio. Renewed July 19, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. BEEF, MUTTON, LAMB, VEAL, PORK, AND OTHER NAMED MEATS; LARD, TALLOW, AND CASINGS. Class 46.
- 231,348. VITAPHONE. Registered Aug. 16, 1927. The Vitaphone Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 16, 1947. SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS AND THE COMPONENT PARTS OF SUCH APPARATUS. Class 26.
- 232,413. WOCORA. Registered Sept. 6, 1927. The Woolen Corporation of America, New York, N. Y., a corporation of New York. Renewed Sept. 6, 1947. WOOLEN, WORSTED, COTTON PIECE GOODS. Class 42.
- 233,548. NO-MO-RUST. Registered Oct. 4, 1927. The Bird-Archer Company, New York, N. Y., a corporation of New York. Renewed Oct. 4, 1947. CHEMICAL PREPARATION DESIGNED AS A CURATIVE AND PREVENTIVE OF RUST AND CORROSION. Class 6.
- 233,823. IT'S EASY TO PAY—THE PEOPLE'S WAY. Registered Oct. 11, 1927. People's Outfitting Company, Detroit, Mich., a corporation of Michigan. Renewed Oct. 11, 1947. BED SPRINGS, BED FRAMES, BUFFETS, BOOKCASES, BABY CARRIAGES, AND OTHER NAMED FURNITURE AND UPHOLSTERY ARTICLES. Class 32.
- 233,826. WOODLAWN. Registered Oct. 11, 1927. The Winorr Canning Company, Circleville, Ohio, a corporation of Ohio. Renewed Oct. 11, 1947. CANNED VEGETABLES. Class 46.
- 234,050. MANNA. Registered Oct. 18, 1927. The B. Manischewitz Company, Cincinnati, Ohio. Renewed Oct. 18, 1947, to The B. Manischewitz Company, Jersey City, N. J., a corporation of Ohio. CRACKERS AND CRACKER MEAL. Class 46.
- 234,054. "GRIP TITE TAPE" SUPERIMPOSED ON A BLUE CORE. Registered Oct. 18, 1927. Chicago Gum Tape Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 18, 1947. GUMMED AND UNGUMMED PAPER SEALING, VENEER AND STAY TAPES. Class 37.
- 234,069. OLLENDORFF. Registered Oct. 18, 1927. I. Ollendorff Co., Inc. Renewed Oct. 18, 1947, to Ollendorff Watch Co. Inc., New York, N. Y., a corporation of New York. WATCHES, CLOCKS, THEIR CASES AND MOVEMENTS. Class 27.
- 234,098. WARD'S. Registered Oct. 18, 1927. Samuel Ward Manufacturing Co., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 18, 1947. LEATHER PLAYING-CARD CASES, WRITING CASES, BRIEF CASES, PORTFOLIOS, AND POCKETBOOKS. Class 3.
- 234,222. "SELOX" AND OVOID-SHAPED DESIGN. Registered Oct. 18, 1927. The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Oct. 18, 1947. WASHING POWDER. Class 4.
- 234,370. "KREN'S SPECIAL" AND DESIGN. Registered Oct. 25, 1927. Jos. G. Kren. Renewed Oct. 25, 1947, to Joseph G. Kren, Syracuse, N. Y., a firm. BASEBALL BATS. Class 22.
- 234,519. GRAYBAR. Registered Nov. 1, 1927. Graybar Electric Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 1, 1947. AMMETERS, CURRENT METERS, VOLTAMMETERS AND VOLT-METERS. Class 26.
- 234,627. GRAYBAR. Registered Nov. 1, 1927. Graybar Electric Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 1, 1947. ELECTRIC IRONING MACHINES USED FOR LAUNDRY PURPOSES. Class 24.
- 234,655. IT'S EASY TO PAY—THE PEOPLE'S WAY. Registered Nov. 1, 1927. People's Outfitting Company, Detroit, Mich., a corporation of Michigan. Renewed Nov. 1, 1947. RADIO RECEIVING SETS AND PARTS THEREOF—NAMELY, TUNED RADIO FREQUENCY UNITS AND OTHER NAMED UNITS. Class 21.
- 234,714. "DR. E. L. GRAVES TOOTH POWDER" ETC. Registered Nov. 1, 1927. Graves & Meade & Baker Company. Renewed Nov. 1, 1947, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. TOOTH POWDER. Class 6.
- 234,845. HAVANELLO. Registered Nov. 8, 1927. George Zifferblatt, doing business as Geo. Zifferblatt & Co. Renewed Nov. 8, 1947, to The S. Frieder & Sons Company, Philadelphia, Pa., a corporation of Ohio. CIGARS, CIGARETTES, CHEROOTS, AND SMOKING TOBACCO. Class 17.
- 235,020. GRAYBAR. Registered Nov. 8, 1927. Graybar Electric Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 8, 1947. TWISTED-WIRE CABLE. Class 7.
- 235,303. GRAYBAR. Registered Nov. 15, 1927. Graybar Electric Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 15, 1947. RESIN-CORE SOLDER. Class 14.
- 235,349. SEASPRAY. Registered Nov. 15, 1927. Wm. H. Stanley, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 15, 1947. CANNED TUNA FISH. Class 46.
- 235,617. WATEX. Registered Nov. 22, 1927. Wm. Walke & Co., St. Louis, Mo. Renewed Nov. 22, 1947, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. SOAP IN CAKE, FLAKE, POWDER, AND LIQUID FORM, SOAP CHIPS, WASHING FLUIDS. Class 4.
- 235,640. IT'S EASY TO PAY—THE PEOPLE'S WAY. Registered Nov. 22, 1927. People's Outfitting Company, Detroit, Mich., a corporation of Michigan. Renewed Nov. 22, 1947. TEXTILE RUGS, CARPETS, AND FLOOR COVERINGS. Class 42.
- 235,845. ROTARY. Registered Nov. 29, 1927. Moise Dreyfuss. Renewed Nov. 29, 1947, to Moise Dreyfuss Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. WATCHES AND PARTS THEREOF. Class 27.
- 235,936. OH BOY START 'EM AND GROW 'EM. Registered Nov. 29, 1927. Rudy-Patrick Seed Company, Kansas City, Mo., a corporation of Missouri. Renewed Nov. 29, 1947. POULTRY FEEDS. Class 46.
- 235,937. OH-BOY LAY 'EM. Registered Nov. 29, 1927. Rudy-Patrick Seed Company, Kansas City, Mo., a corporation of Missouri. Renewed Nov. 29, 1947. POULTRY FEEDS. Class 46.
- 236,088. DUBREE. Registered Dec. 6, 1927. Maryland New River Coal Co., Philadelphia, Pa., a corporation of West Virginia. Renewed Dec. 6, 1947. COAL. Class 1.
- 236,646. PIGMENTAR. Registered Dec. 20, 1927. E. W. Colledge General Sales Agent, Inc., Jacksonville, Fla., a corporation of Florida. Renewed Dec. 20, 1947. PINE TAR OIL. Class 6.
- 237,004. PARANERVA. Registered Jan. 3, 1928. Norda Essential Oil & Chemical Co., Inc., New York, N. Y., a corporation of New York. Renewed Jan. 3, 1948. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, AND OTHER NAMED PHARMACEUTICAL PREPARATIONS. Class 6.

237,118. "MENNEN" AND PORTRAIT OF GERHARD MENNEN, DECEASED. Registered Jan. 3, 1928. The Mennen Company, Newark, N. J., a corporation of New Jersey. Renewed Jan. 3, 1948. TOILET AND TALCUM POWDERS, ANTISEPTIC POWDER, COLD CREAM, SKIN BALM, AND BABY OINTMENT. Class 6.

237,161. "REGULIN" LINED FOR BLUE AND DESIGN LINED FOR YELLOW AND RED. Registered Jan. 3, 1928. The Reinschild Chemical Co., New York, N. Y. Renewed Jan. 3, 1948, to Regulon Incorporated, New Rochelle, N. Y., a corporation of New York. MEDICINAL PREPARATION FOR THE TREATMENT OF THE INTESTINAL TRACT AND CAPABLE OF ADMIXTURE WITH ALL TYPES OF SOLID FOOD. Class 6.

237,323. CHANTICLEER. Registered Jan. 10, 1928. East Highlands Citrus Association, East Highlands, Calif., a corporation of California. Renewed Jan. 10, 1948. FRESH CITRUS FRUITS. Class 46.

237,454. PLUMA. Registered Jan. 10, 1928. Citrus Fruit Association of Ontario. Renewed Jan. 10, 1948, to Citrus Fruit Growers, Ontario, Calif., a partnership. FRESH CITRUS FRUITS—NAMESLY, ORANGES. Class 46.

237,681. VENTURA. Registered Jan. 17, 1928. American Blower Company. Renewed Jan. 17, 1948, to American Blower Corporation, Detroit, Mich., a corporation of Delaware. NONELECTRIC VENTILATING FANS. Class 34.

237,871. SIMANG. Registered Jan. 17, 1928. Bonney Forge and Tool Works, Allentown, Pa., a corporation of Pennsylvania. Renewed Jan. 17, 1948. CHISELS, DRIFT PINS, PRY BARS, WRENCHES, WRENCH JAWS, HAMMERS, SLEDGES, MAULS, SNIPS, SHEARS, ROCK DRILLS, STONE DRILLS, AND RIVETING TOOLS. Class 23.

237,885. HAPPY TWINS. Registered Jan. 17, 1928. Jacob Feinberg, doing business as J. F. Underwear Company. Renewed Jan. 17, 1948, to J. F. Underwear Company, Allentown, Pa., a corporation of Pennsylvania. CHILDREN'S ATHLETIC WAIST UNION SUITS MADE OF TEXTILE FABRIC AND CHILDREN'S OUTER GARMENTS, AND OTHER NAMED ARTICLES OF CLOTHING. Class 39.

237,898. "MENNEN" AND PORTRAIT OF GERHARD MENNEN, DECEASED. Registered Jan. 17, 1928. The Mennen Company, Newark, N. J., a corporation of New Jersey. Renewed Jan. 17, 1948. SOAPS AND SHAVING CREAMS, LATHERING AND NONLATHERING TYPES, FOR USE IN PREPARING THE BEARD FOR SHAVING. Class 4.

237,989. EQUITY. Registered Jan. 24, 1928. Marathon Rubber Company, Inc. Renewed Jan. 24, 1948, to The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. VEHICLE TIRES AND TUBES COMPOSED WHOLLY OR IN PART OF RUBBER. Class 35.

238,071. SCOUT CABIN. Registered Jan. 24, 1928. John S. Bierhaus, doing business as E. Bierhaus & Sons. Renewed Jan. 24, 1948, to E. Bierhaus & Sons, Vincennes, Ind., a firm. CANNED FRUIT AND CANNED VEGETABLES. Class 46.

238,086. SUNGLOW. Registered Jan. 24, 1928. Maurice Levy, New York, N. Y. Renewed Jan. 24, 1948, to Hygienol Company, Inc., New Rochelle, N. Y., a corporation of New York. POWDER PUFFS. Class 29.

238,149. KEE-PAC. Registered Jan. 31, 1928. C. E. Erickson Co., Inc., Des Moines, Iowa. Renewed Jan. 31, 1948, to The Springfield Leather Products Company, Springfield, Ohio, a corporation of Ohio. LEATHER KEY HOLDERS. Class 3.

238,176. LA MESA. Registered Jan. 31, 1928. Monte Vista Citrus Association, Riverside, Calif., a corporation of California. Renewed Jan. 31, 1948. FRESH CITRUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT, AND TANGERINES. Class 46.

238,268. DELIGHT OF SERENA. Registered Jan. 31, 1928. C. D. Hubbard Fruit Co. Renewed Jan. 31, 1948, to Carpinteria Lemon Association, Carpinteria, Calif., a corporation of California. FRESH CITRUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Class 46.

238,318. VENTURA. Registered Feb. 7, 1928. American Blower Company. Renewed Feb. 7, 1948, to American Blower Corporation, Detroit, Mich., a corporation of Delaware. ELECTRICALLY-DRIVEN VENTILATING FANS. Class 21.

238,535. RICHARDSON'S. Registered Feb. 7, 1928. Thos. D. Richardson Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 7, 1948. CANDY. Class 46.

238,618. "KANSAS STAR" ETC. AND STAR SUPERIMPOSED ON COUNTY MAP OF KANSAS. Registered Feb. 14, 1928. The Western Star Mill Co., Salina, Kans., a corporation of Kansas. Renewed Feb. 14, 1948. WHEAT FLOUR. Class 46.

238,627. GOLD LABEL. Registered Feb. 14, 1928. Sanchez & Haya Company. Renewed Feb. 14, 1948, to Gradiatz, Annis & Co., Inc., Tampa, Fla., a corporation of Florida. CIGARS. Class 17.

238,645. CITY CLUB. Registered Feb. 14, 1928. Broom & Newman, New York, N. Y., a firm. Renewed Feb. 14, 1948. MEN'S WORK SHIRTS, NEGLIGEE SHIRTS, AND DRESS SHIRTS. Class 39.

238,850. "LE GUI DUVELLE" ETC. AND DESIGN. Registered Feb. 14, 1928. Cosmetique Laboratories of America. Renewed Feb. 14, 1948, to Clyde L. Eaton, doing business as Duvelle's, Portland, Oreg. COSMETICS—NAMESLY, TONIC CREAMS, LIQUID BLEACHES, BEAUTY CREAMS, ASTRINGENT LOTION, AND OTHER NAMED PHARMACEUTICAL PREPARATIONS. Class 6.

239,079. "CONTINENTAL" AND REPRESENTATION OF COLONIAL SOLDIER. Registered Feb. 21, 1928. Seacoast Canning Company, Eastport, Maine. Renewed Feb. 21, 1948, to R. J. Peacock Canning Company, Lubec, Maine, a corporation of Maine. CANNED FISH, SPECIFICALLY CANNED AMERICAN SARDINES. Class 46.

239,203. CHAMP. Registered Feb. 28, 1928. C. D. Hubbard Fruit Co. Renewed Feb. 28, 1948, to Carpinteria Lemon Association, Carpinteria, Calif., a corporation of California. FRESH CITRUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Class 46.

239,239. ROMANY. Registered Feb. 28, 1928. Romany Date Co., Inc. Renewed Feb. 28, 1948, to The Hills Brothers Company, New York, N. Y., a corporation of New York. DATES AND PITTED DATES. Class 46.

239,240. COOLITE. Registered Feb. 28, 1928. The Stein Bloch Co. Renewed Feb. 28, 1948, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. MEN'S SUITS, VESTS, TROUSERS, OVERCOATS, AND SACK COATS. Class 39.

239,420. TRUE-TONE MUSICAL JOURNAL. Registered Mar. 6, 1928. Buescher Band Instrument Co., Elkhart, Ind., a corporation of Indiana. Renewed Mar. 6, 1948. PERIODICAL PUBLICATION. Class 38.

239,830. OIL-O-MATIC. Registered Mar. 13, 1928. Williams Oil-O-Matic Heating Corporation. Renewed Mar. 13, 1948, to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan. LIQUID-FUEL-BURNING DEVICES. Class 34.

239,865. DROMEDARY. Registered Mar. 13, 1928. The Hills Brothers Company, New York, N. Y., a corporation of New York. Renewed Mar. 13, 1948. CANNED CRANBERRY SAUCE. Class 46.

239,871. PETER PIPER. Registered Mar. 13, 1928. L. Maxcy, Inc., Frostproof, Fla., a corporation of Florida. Renewed Mar. 13, 1948. FRESH CITRUS FRUITS. Class 46.

239,943. SENATOR. Registered Mar. 13, 1928. Frances Citrus Association, Tustin, Calif. Renewed Mar. 13, 1948, to Frances Citrus Association, Santa Ana, Calif., a corporation of California. FRESH GRAPES, FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, AND FRESH MELONS. Class 46.

240,104. "HYTRON" AND REPRESENTATION OF MAP OF UNITED STATES. Registered Mar. 20, 1928. Hytron Corporation. Renewed Mar. 20, 1948, to Hytron Radio & Electronics Corp., Salem, Mass., a corporation of Massachusetts. THERMIONIC VACUUM TUBES FOR RADIO RECEIVING AND TRANSMITTING APPARATUS. Class 21.

240,337. CARBONOEL. Registered Mar. 27, 1928. Munsch-Protzmann Co. Renewed Mar. 27, 1948, to Henrietta Carnot, New York, N. Y. PREPARATION FOR THE TREATMENT OF SKIN DISEASES. Class 6.

240,568. GREAT WESTERN. Registered Apr. 3, 1928. The Pleasant Valley Wine Company, Rhine, N. Y., a corporation of New York. Renewed Apr. 3, 1948. GRAPE JUICE. Class 45.

240,753. REPRESENTATION OF DESERT SCENE. Registered Apr. 10, 1928. The Hills Brothers Company, New York, N. Y., a corporation of New York. Renewed Apr. 10, 1948. CANDIED CITRON, SHREDDED AND/OR DESICCATED COCOANUT, DRIED CURRANTS, RAISINS, AND OTHER NAMED FOODS AND INGREDIENTS OF FOODS. Class 46.

240,910. JERSUPREME. Registered Apr. 10, 1928. Chopak Textile Co. Inc. Renewed Apr. 10, 1948, to Charmette Fabrics Company, Inc., New York, N. Y., a corporation of New York. WOOLEN JERSEY IN THE PIECE. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

319,379. STYLE WORTH. Registered Nov. 20, 1934. The Berland Shoe Stores, Inc., St. Louis, Mo. WEARING APPAREL FOR LADIES AND MISSES—NAMESLY, HOSIERY, AND SHOES, ETC. Class 39. Corrected as follows: In the original certificate, line 4,

for "State of Missouri" read *State of Delaware*, and in the statement, lines 3 and 4, for "State of Missouri and located" read *State of Delaware, having an office and place of business*.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 145,425. Registered Aug. 2, 1921. NORTHRUP, KING & Co., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.



The word "Sterling" is disclaimed.
FOR GARDEN-SEED.
Claims use since January 1898.

Reg. No. 245,347. Registered Aug. 14, 1928. VELDOWN COMPANY, INC., New York, N. Y. Republished by International Cellulose Products Company, Chicago, Ill., a corporation of Delaware.

SWANFLEECE

FOR CELLULOSE WADDING.
Claims use since January 1927.

Reg. No. 246,685. Registered Sept. 11, 1928. KELLOGG SEED COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Kellogg's

FOR SEEDS.
Claims use since Dec. 7, 1927.

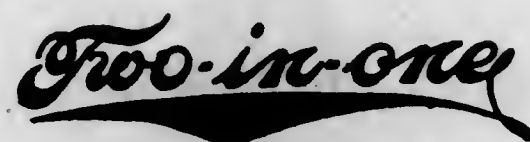
CLASS 2 RECEPTACLES

Reg. No. 111,347. Registered July 11, 1916. THE CHATFIELD & WOODS COMPANY, Cincinnati, Ohio. Republished by The Chatfield & Woods Sack Company, Cincinnati, Ohio, a corporation of Ohio.



FOR PAPER BAGS.
Claims use since Mar. 13, 1915.

Reg. No. 126,640. Registered Sept. 30, 1919. BEMIS BRO. BAG COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



FOR PARCEL-POST MAILING ENVELOPES.
Claims use since Aug. 20, 1917.

Reg. No. 153,421. Registered Mar. 21, 1922. CALIFORNIA CORRUGATED CULVERT CO., Oakland and Berkeley, Calif. Republished by Armco Drainage & Metal Products, Inc., Middletown, Ohio, a corporation of Delaware.

CALCO

FOR METAL GRAIN BINS, METAL WATERING TANKS, METAL WATERING TROUGHS, METAL WAGON TANKS, METAL FEED TROUGHS.
Claims use since Feb. 1, 1916.

Reg. No. 245,747. Registered Aug. 21, 1928. BEMIS BRO. BAG COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

FLEXI-CARTON

The word "Carton" is disclaimed.
FOR PAPER SACKS.
Claims use since Oct. 7, 1927.

Reg. No. 346,382. Registered May 25, 1937. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.

SMART SET

FOR SALT AND PEPPER SHAKERS.
Claims use since on or about Nov. 15, 1936.

CLASS 3 BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 268,608. Registered Mar. 18, 1930. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The word "Leather" is disclaimed.
FOR PORTFOLIOS, POCKETBOOKS, WALLETS, KEY CASES, ALL MADE OF LEATHER.
Claims use since Nov. 1, 1912.

CLASS 4 ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 157,661. Registered Aug. 15, 1922. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

Buckeye

FOR GREEN SOAP, POTASH SOAP, BASE SOAP, VEGETABLE-OIL SOAP, PINE-OIL DISINFECTANT SOAP, DRY-CLEANING SOAP, AND AN OIL-SOAP CLEANSER.
Claims use since about 1905.

Reg. No. 198,595. Registered May 19, 1925. THE REMMERS SOAP COMPANY, Cincinnati, Ohio, assignor to The Remmers-Graham Company, Cincinnati, Ohio. Republished by Acme Chemical Company, Milwaukee, Wis., a corporation of Wisconsin.

Peroxine

FOR SOAP.
Claims use since May 1922.

CLASS 6 CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 185,996. Registered July 1, 1924. THE NORMAN C. HAYNER COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

NORMALINE

FOR GERMICIDE AND DEODORANT.
Claims use since July 1, 1915.

Reg. No. 239,593. Registered Mar. 6, 1928. MALLING-KRODT CHEMICAL WORKS, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

ALBUSOL

FOR ALBUSOL, A SOLUTION OF EGG ALBUMIN EMPLOYED IN THE PROCESSES OF PHOTO-ENGRAVING AND PHOTO LITHOGRAPHY.
Claims use since Aug. 1, 1927.

CLASS 7 CORDAGE

Reg. No. 130,130. Registered Apr. 6, 1920. TUBBS CORDAGE COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

MISSION

FOR ROPE MADE FROM FIBER.
Claims use since June 1, 1918.

Reg. No. 144,955. Registered July 19, 1921. TUBBS CORDAGE COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

VICTORY

FOR ROPE MADE FROM FIBER.
Claims use since June 1, 1918.

Reg. No. 150,523. Registered Jan. 3, 1922. THE PORTLAND CORDAGE CO., Portland, Oreg. Republished by Tubbs Cordage Company, San Francisco, Calif., a corporation of California.

LIFE LINE

The word "Lariat" is disclaimed.
FOR LARIAT ROPES.
Claims use since January 1921.

Reg. No. 215,662. Registered July 20, 1926. JAMES S. KIRK & COMPANY, Chicago, Ill. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

FLAKE

FOR SOAP.
Claims use since about July 1, 1887.

Reg. No. 248,425. Registered Oct. 23, 1928. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.



FOR SOAP.
Claims use since November 1911.

Reg. No. 413,930. Registered May 22, 1945. THE DUMORE COMPANY, Racine, Wis., a corporation of Wisconsin. Republished by registrant.



FOR EMERY WHEELS AND ABRASIVE BANDS.
Claims use since 1913.

CLASS 5 ADHESIVES

Reg. No. 164,851. Registered Feb. 27, 1923. CLARK PAPER & MANUFACTURING CO., Rochester, N. Y. Republished by Clark Stek-O Corporation, Rochester, N. Y., a corporation of New York.

TIK

FOR FLOUR PASTE.
Claims use since Jan. 13, 1922.

LARIAT

Reg. No. 242,167. Registered May 15, 1928. TUBBS CORDAGE COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

SUPERCORE

FOR MANILA ROPE.
Claims use since Jan. 5, 1928.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 367,756. Registered May 30, 1939. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.

HUMI-JAR

The word "Jar" is disclaimed.
FOR WIDEMOUTH GLASS JARS OR CONTAINERS SOLD EMPTY FOR CIGARS AND THE LIKE.
Claims use since on or about July 7, 1938.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 124,850. Registered Mar. 18, 1919. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.



FOR CARBON-PAPER.
Claims use since Jan. 15, 1916.

Reg. No. 125,148. Registered Apr. 15, 1919. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

GOLD BOND

FOR CARBON-PAPER.
Claims use since Jan. 15, 1916.

Reg. No. 158,715. Registered Sept. 12, 1922. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

Flint

FOR CARBON PAPER.
Claims use since June 1, 1907.

Reg. No. 158,716. Registered Sept. 12, 1922. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

GYPSY

FOR CARBON PAPER.
Claims use since June 1, 1910.

Reg. No. 158,717. Registered Sept. 12, 1922. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

ELITE

FOR CARBON PAPER.
Claims use since June 1, 1904.

Reg. No. 158,718. Registered Sept. 12, 1922. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

SILVER

FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since May 1, 1921.

Reg. No. 158,719. Registered Sept. 12, 1922. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

IVORY

FOR CARBON PAPER.
Claims use since June 1, 1902.

Reg. No. 172,001. Registered Aug. 21, 1923. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

ALL AMERICAN

FOR CARBON PAPER.
Claims use since about Apr. 1, 1920.

Reg. No. 172,268. Registered Aug. 28, 1923. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

TRANQUIL

FOR CARBON PAPER.
Claims use since Mar. 7, 1923.

Reg. No. 184,233. Registered May 20, 1924. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

FINE-ELLO

FOR CARBON PAPER.
Claims use since July 17, 1923.

Reg. No. 247,380. Registered Sept. 25, 1928. THE NELSON-EISMANN COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

LILY



FOR TYPEWRITER RIBBONS.
Claims use since May 15, 1913.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 237,068. Registered Jan. 3, 1928. M. J. MERKIN PAINT CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

AQUA-SEAL

FOR BLACK COATING FOR DAMPPROOFING BRICK, STONE, OR TERRACOTTA WALLS ABOVE OR BELOW GROUND, ETC.
Claims use since June 1, 1926.

Reg. No. 245,366. Registered Aug. 14, 1928. ASBESTOS SHINGLE, SLATE & SHEATHING COMPANY, Ambler, Pa. Republished by Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania.

LINABESTOS

FOR ASBESTOS BOARD.
Claims use since January 1919.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 125,033. Registered Apr. 8, 1919. COLUMBIAN ENAMELING & STAMPING COMPANY, Terre Haute, Ind. Republished by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana.



FOR COFFEE POTS, TEA POTS, COFFEE BOILERS, COFFEE BIGGINS, BREAD RAISERS, TEA KETTLES, UTILITY PANS, DANDY COOKERS AND STEAMERS, CHILLI COOKERS, DISH PANS, CEREAL COOKERS, SAUCE PANS, PRESERVING KETTLES.
Claims use since January 1892.

Reg. No. 125,034. Registered Apr. 8, 1919. COLUMBIAN ENAMELING & STAMPING COMPANY, Terre Haute, Ind. Republished by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana.

HOOSIER

FOR COFFEE POTS, TEA POTS, COFFEE BOILERS, COFFEE BIGGINS, BREAD RAISERS, TEA KETTLES, UTILITY PANS, DANDY COOKERS AND STEAMERS, CHILLI COOKERS, DISH PANS, CEREAL COOKERS, SAUCE PANS, PRESERVING KETTLES, ETC.

Claims use since May 25, 1912.

Reg. No. 125,407. Registered May 20, 1919. COLUMBIAN ENAMELING & STAMPING COMPANY, Terre Haute, Ind. Republished by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana.



FOR ENAMELED WARE FOR HOUSEHOLD USE, ETC.

Claims use since June 24, 1914.

Reg. No. 125,865. Registered June 24, 1919. COLUMBIAN ENAMELING & STAMPING COMPANY, Terre Haute, Ind. Republished by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana.



FOR COFFEE POTS, TEA POTS, COFFEE BOILERS, COFFEE BIGGINS, BREAD RAISERS, TEA KETTLES, UTILITY PANS, DANDY COOKERS AND STEAMERS, CHILLI COOKERS, DISH PANS, CEREAL COOKERS, SAUCE PANS, ETC.

Claims use since Jan. 19, 1905.

Reg. No. 136,976. Registered Nov. 9, 1920. THE WAGNER MANUFACTURING COMPANY, Sidney, Ohio, a corporation of Ohio. Republished by registrant.

KRUSTY KORN KOBBS

FOR METAL BAKING PAN FOR CORN-BREAD AND THE LIKE.

Claims use since Feb. 15, 1918.

Reg. No. 161,624. Registered Nov. 14, 1922. SIGNODE SYSTEM, INC., Chicago, Ill. Republished by Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware.



FOR METALLIC BOX STRAPPING AND BOX-STRAPPING SEALS.

Claims use since Nov. 10, 1920.

Reg. No. 241,217. Registered Apr. 17, 1928. DIAMOND CHAIN AND MANUFACTURING COMPANY, Indianapolis, Ind. Republished by The Diamond Chain Company, Inc., Indianapolis, Ind., a corporation of Indiana.

DIAMOND CHAIN

The word "Chain" is disclaimed. FOR MACHINE DRIVE CHAINS, INCLUDING AUTO MOBILE AND BICYCLE CHAINS.

Claims use since 1915.

Reg. No. 247,587. Registered Oct. 2, 1928. THE OSCAR C. RIXSON COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR DOOR AND CASEMENT HINGES, DOOR AND CASEMENT PIVOTS, CASEMENT HOLDERS AND OPERATORS, TRANSOM OPERATORS, DOOR CHECKS (OVERHEAD AND FLOOR), AND DOOR HOLDERS AND STAYS.

Claims use since 1917.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 209,538. Registered Feb. 23, 1926. KLOSTER STEEL CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

"SWED~OIL"

FOR STEEL.
Claims use since Sept. 23, 1925.

Reg. No. 230,894. Registered Aug. 9, 1927. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

JALCASE

FOR HOT-ROLLED AND COLD-FINISHED STEEL BARS.

Claims use since June 23, 1926.

Reg. No. 243,389. Registered June 19, 1928. CHICAGO STEEL FOUNDRY COMPANY, Chicago, Ill., a corporation of Maine. Republished by registrant.

PYRASTEEL

FOR STEEL CASTINGS.
Claims use since November 1926.

CLASS 15

OILS AND GREASES

Reg. No. 121,963. Registered June 11, 1918. THE STAR OIL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SATURN

FOR LUBRICATING OILS AND GREASES.
Claims use since 1897.

Reg. No. 122,288. Registered July 16, 1918. THE STAR OIL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MARS

FOR LUBRICATING OIL.
Claims use since 1897.

Reg. No. 122,289. Registered July 18, 1918. THE STAR OIL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

VENUS

FOR LUBRICATING OIL.
Claims use since 1897.

Reg. No. 124,431. Registered Feb. 11, 1919. THE G. T. WOFFORD OIL CO., Birmingham, Ala. Republished by The Pure Oil Company, Chicago, Ill., a corporation of Ohio.



FOR GASOLINE.
Claims use since Mar. 20, 1918.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 244,776. Registered July 24, 1928. R. N. NASON & CO., San Francisco, Calif., a corporation of California. Republished by registrant.

Lin-o-bone

FOR LACQUER FLOOR COVERING.
Claims use since Mar. 2, 1928.

CLASS 19

VEHICLES

Reg. No. 247,615. Registered Oct. 2, 1928. BUFFALO COMMERCIAL BODY CO. INC., Buffalo, N. Y. Republished by Divco Corporation, Detroit, Mich., a corporation of Michigan.



The representation of the drop-frame, the red color shown on said registration, and the words "Drop-Frame" are disclaimed.

FOR AUTOMOBILES.
Claims use since Nov. 23, 1927.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 66,420. Registered Nov. 26, 1907. THE ELECTRIC RAILWAY IMPROVEMENT CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

ERICO

FOR WIRE BONDS AND ELECTRICAL CONDUCTORS FOR ELECTRICAL APPARATUS AND MACHINES.
Claims use since May 17, 1907.

Reg. No. 69,532. Registered June 16, 1908. APPLETON ELECTRIC COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

UNILETS

FOR ELECTRIC OUTLET-BOXES.
Claims use since Jan. 24, 1908.

Reg. No. 133,096. Registered July 6, 1920. WITHERBEE IGNITER COMPANY, Springfield, Mass. Republished by Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts.

Wico

FOR MAGNETOS.
Claims use since 1908.

Reg. No. 134,605. Registered Sept. 14, 1920. BURGESS BATTERY COMPANY, Madison, Wis. Republished by Burgess Battery Company, Freeport, Ill., a corporation of Delaware.

UNIPLEX

FOR ELECTRIC BATTERIES.
Claims use since June 20, 1919.

Reg. No. 156,710. Registered July 11, 1922. MILWAUKEE ELECTRIC CRANE & MFG. CO., INC., West Allis, Wis. Republished by Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin.



The words "The Milwaukee Crane" are disclaimed. The drawing is lined for red.
FOR ELECTRIC CRANES AND PARTS THEREOF.
Claims use since Apr. 1, 1917.

Reg. No. 174,599. Registered Oct. 23, 1923. CENTRAL RADIO LABORATORIES, Milwaukee, Wis. Republished by Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware.



FOR RADIO SIGNALING APPARATUS AND PARTS THEREOF COMPRISING CONDENSERS, GRID LEAKS, POTENTIOMETERS, RHEOSTATS, SWITCH ARMS AND LEVERS, TRANSFORMERS, AND TUNERS.
Claims use since May 27, 1922.

Reg. No. 217,658. Registered Sept. 7, 1926. CENTRAL RADIO LABORATORIES, Milwaukee, Wis. Republished by Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware.

Radiohm

FOR RHEOSTATS AND RESISTANCE DEVICES FOR RADIO SIGNALING APPARATUS.
Claims use since Jan. 2, 1925.

Reg. No. 223,258. Registered Jan. 25, 1927. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Colorubber

FOR INSULATED ELECTRICAL CONDUCTING WIRES.
Claims use since Aug. 24, 1926.

Reg. No. 231,970. Registered Aug. 30, 1927. W. N. MATTHEWS CORPORATION, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

FUSWITCH

FOR ELECTRIC SWITCHES AND FUSES.
Claims use since about June 1916.

Reg. No. 237,111. Registered Jan. 3, 1928. RAYTHEON MANUFACTURING COMPANY, Cambridge, Mass. Republished by Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware.

Raytheon

FOR RECTIFYING, REGULATING, AND SMOOTHING TUBES AND BATTERY ELIMINATORS.
Claims use since August 14, 1925.

Reg. No. 370,320. Registered Aug. 22, 1939. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.

LOWEX

FOR ELECTRICAL INSULATORS.
Claims use since on or about Mar. 14, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 101,662. Registered Jan. 5, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

TING

FOR GOLF BALLS.
Claims use since Feb. 10, 1911.

Reg. No. 101,663. Registered Jan. 5, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

QUEEN BEE

FOR GOLF BALLS.
Claims use since Jan. 8, 1912.

Reg. No. 101,666. Registered Jan. 5, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

JACK

FOR GOLF BALLS.
Claims use since Feb. 7, 1914.

Reg. No. 102,826. Registered Feb. 23, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

ACE

FOR GOLF BALLS.
Claims use since Sept. 23, 1914.

Reg. No. 102,827. Registered Feb. 23, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

CROWN

FOR GOLF BALLS.
Claims use since Feb. 10, 1914.

Reg. No. 105,005. Registered June 29, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

DEUCE

FOR GOLF BALLS.
Claims use since Nov. 28, 1914.

Reg. No. 107,035. Registered Nov. 9, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Republished by registrant.

TREY

FOR GOLF BALLS.
Claims use since May 29, 1915.

Reg. No. 239,511. Registered Mar. 6, 1928. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TRUE TEMPER

FOR FISHING RODS, HANDLES FOR SUCH RODS, FISHING REELS, GOLF CLUBS AND GOLF CLUB SHAFTS AND HEADS, SKIS, AND SNOWSHOES.
Claims use since July 1924.

Reg. No. 279,124. Registered Jan. 6, 1931. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



FORTUNA

FOR PLAYING CARDS.
Claims use since Jan. 1, 1930.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 79,018. Registered July 26, 1910. TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

IDEAL

FOR TOOL HANDLES.
Claims use since 1897.

Reg. No. 120,927. Registered Mar. 12, 1918. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Republished by Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware.

FEATHER

FOR METAL VALVES OF THE CLASS USED IN AIR AND GAS PUMPS AND COMPRESSORS, VACUUM PUMPS, BLOWING ENGINES, GAS ENGINES, OIL ENGINES, AND THE LIKE.
Claims use since August 1914.

Reg. No. 123,544. Registered Nov. 19, 1918. WILLIAM BREWSTER COMPANY, INC., New York, N. Y. Republished by Frederic B. Squires, New York, N. Y.

Echograph

FOR MACHINE FOR WRITING ON METALS.
Claims use since June 12, 1917.

Reg. No. 133,718. Registered Aug. 3, 1920. THE LETZ MANUFACTURING CO., Crown Point, Ind., a corporation of Indiana. Republished by registrant.

Letz

FOR STOCK FEED CRUSHERS, FEED GRINDERS AND PARTS THEREOF, CORN PLANTERS, AND BURS FOR FEED MILLS.
Claims use since Jan. 1, 1892.

Reg. No. 137,898. Registered Dec. 7, 1920. WALTER KIDDE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant, present location Belleville, N. J.



The word "System" is disclaimed.
FOR MARINE FIRE EXTINGUISHING SYSTEMS, COMPRISING A SERIES OF PIPES LEADING TO THE VARIOUS HOLDS OF THE VESSEL AND ALL TERMINATING IN A CABINET ON DECK OR IN THE CHART-ROOM.
Claims use since Nov. 15, 1919.

Reg. No. 140,845. Registered Mar. 29, 1921. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Republished by registrant.

INTERNATIONAL

FOR PLOWS, GRAIN-BINDERS AND ALL GOODS AS SET FORTH IN THE REGISTRATION EXCEPT HEMP-GATHER BINDERS, HEMP SCUTCHERS, HEMP-BRAKES, HEMP-TOW CLEANERS AND FEEDERS FOR HEMP-SCUTCHERS.

Claims use since about Sept. 1, 1904.

Reg. No. 140,855. Registered Mar. 29, 1921. KELLY AXE MANUFACTURING CO., INC., Charleston, W. Va., and New York, N. Y. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

*KELLY
HAND
MADE*

FOR AXES, HATCHETS, MACHETES, HAMMERS, BUSH-HOOKS AND SCYTHES.
Claims use since January 1890.

Reg. No. 146,160. Registered Sept. 6, 1921. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

AMERICAN GARDENER

FOR HAND CULTIVATORS.
Claims use since Jan. 24, 1920.

Reg. No. 146,672. Registered Sept. 20, 1921. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PARROT BRAND



The word "Brand" is disclaimed.
FOR CERTAIN FARM, GARDEN AND OTHER HAND TOOLS, FORKS, HOOKS, RAKES, HOES, TURF EDGERS, THISTLE, DOCK, OR OTHER WEED CUTTERS, GARDEN TROWELS, WEEDERS, SPADES, AND SHOVELS.

Claims use since May 1, 1920.

Reg. No. 180,144. Registered Feb. 26, 1924. UNION GAS ENGINE CO., Oakland, Calif. Republished by The Union Diesel Engine Company, Oakland, Calif., a corporation of California.

UNION

FOR DIESEL ENGINES.
Claims use since May 25, 1923.

Reg. No. 188,655. Registered Sept. 2, 1924. FOSTER MACHINE COMPANY, Westfield, Mass., a corporation of Massachusetts. Republished by registrant.

FOSTER

FOR CONE WINDERS, TUBE WINDERS, AND GAS-SING MACHINES FOR YARN, THREAD, CORD, TWINE, AND THE LIKE.

Claims use since Jan. 31, 1891.

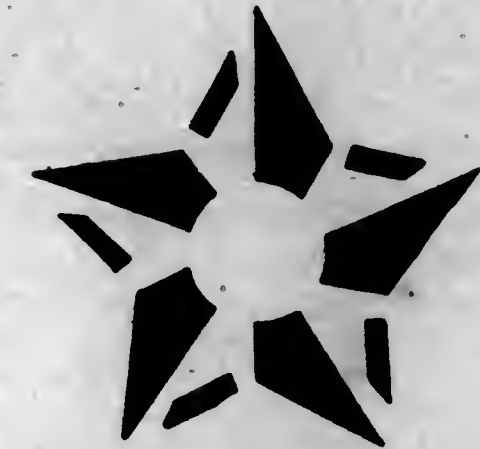
Reg. No. 206,556. Registered Dec. 8, 1925. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

I-D-L

FOR STAMPED-METAL HANDLE TOPS FOR HANDLES FOR SHOVELS, FORKS, AND SPADES.
Claims use since about June 15, 1924.

607 O. G.—41

Reg. No. 233,242. Registered Sept. 27, 1927. BOSTON & LOCKPORT BLOCK COMPANY, East Boston, Mass., a corporation of Massachusetts. Republished by registrant, present location Boston, Mass.



STAR

FOR HEAVY HARDWARE—NAMELY, TACKLE AND HOISTING BLOCKS AND SHEAVES.
Claims use since prior to 1880.

Reg. No. 237,935. Registered Jan. 24, 1928. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

COMET

The drawing is lined for red.
FOR SPADING FORKS, HOES, AND RAKES.
Claims use since on or about July 1, 1926.

Reg. No. 238,027. Registered Jan. 24, 1928. GULLETT GIN CO., Amite, La., a corporation of Louisiana. Republished by registrant.



FOR COTTON-GINNING MACHINERY—GINS, FEEDERS, CONDENSERS, SEED-HANDLING DEVICES, PRESSES, CLEANERS, SEPARATORS, BOLL BREAKERS.

Claims use since 1849.

Reg. No. 238,070. Registered Jan. 24, 1928. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR INTERNAL-GRINDING MACHINES.
Claims use since Apr. 29, 1926.

Reg. No. 238,211. Registered Jan. 31, 1928. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



FOR SPADING FORKS, HOES, AND RAKES.
Claims use since on or about July 1, 1926.

Reg. No. 240,257. Registered Mar. 20, 1928. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind., and Onelda, N. Y. Republished by Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana.

DODGE

FOR POWER TRANSMISSION MACHINERY.
Claims use since 1878.

Reg. No. 244,945. Registered July 31, 1928. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind., and Onelda, N. Y. Republished by Dodge Manufacturing Corporation (1935), Mishawaka, Ind., a corporation of Indiana.

DODGE

FOR SHAFT SUPPORTS, SHAFT HANGERS, BEARINGS, ETC.
Claims use since October 1923.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 110,410. Registered May 23, 1916. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

KORECTAL

FOR OPTICAL LENSES.
Claims use since Jan. 1, 1916.

Reg. No. 162,799. Registered Dec. 26, 1922. KIMBLE GLASS COMPANY, Chicago, Ill., and Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR GRADUATED CHEMICAL AND LABORATORY GLASSWARE.
Claims use since August 1920.

Reg. No. 162,800. Registered Dec. 26, 1922. KIMBLE GLASS COMPANY, Chicago, Ill., and Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR GRADUATED CHEMICAL AND LABORATORY GLASSWARE.
Claims use since Apr. 1, 1921.

Reg. No. 164,311. Registered Feb. 20, 1923. KIMBLE GLASS COMPANY, Chicago, Ill., and Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR GRADUATED CHEMICAL AND LABORATORY GLASSWARE.
Claims use since April 1920.

Reg. No. 183,825. Registered May 6, 1924. HANSON BROTHERS SCALE COMPANY, Chicago, Ill. Republished by Hanson Scale Company, Chicago, Ill., a corporation of Illinois.

HANSON

FOR WEIGHING SCALES.
Claims use since Dec. 28, 1922.

Reg. No. 188,982. Registered Sept. 9, 1924. KIMBLE GLASS COMPANY, Vineland, N. J., and Chicago, Ill. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR GRADUATED CHEMICAL AND LABORATORY GLASSWARE.
Claims use since August 1920.

Reg. No. 238,161. Registered Jan. 31, 1928. THE HALOID COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

RITO

FOR SENSITIZED PHOTOGRAPHIC DEVELOPING PAPERS.
Claims use since April 1920.

Reg. No. 283,107. Registered May 19, 1931. HANSON SCALE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

COOK O METER

The word "Meter" is disclaimed.
FOR KITCHEN SCALES.
Claims use since Dec. 22, 1930.

Reg. No. 377,988. Registered May 21, 1940. KIMBLE GLASS COMPANY, Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR GLASS FUNNELS FOR LABORATORY USE.
Claims use since Nov. 1, 1939.

Reg. No. 379,843. Registered July 30, 1940. KIMBLE GLASS COMPANY, Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.

BLUE LINE EXAX RETESTED

The word "Retested" is disclaimed.
FOR CHEMICAL, SCIENTIFIC, AND LABORATORY GLASSWARE.
Claims use since Aug. 22, 1939.

Reg. No. 380,224. Registered Aug. 13, 1940. KIMBLE GLASS COMPANY, Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.

FRIGIDMASTER

FOR HYDROMETERS.
Claims use since Mar. 8, 1940.

Reg. No. 399,307. Registered Dec. 29, 1942. KIMBLE GLASS COMPANY, Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.

NEUTRAGLAS

FOR CHEMICAL, SCIENTIFIC AND LABORATORY GLASSWARE—NAMELY, GLASS DISTILLATION APPARATUS, GLASS LIQUID AND GAS ABSORPTION APPARATUS, GLASS VESSELS FOR GRAVIMETRIC AND VOLUMETRIC MEASUREMENTS, GLASS GAUGE TUBES, GLASS EXTRACTION APPARATUS, GLASS FILTERING AND SEPARATING APPARATUS, GLASS MEASURING INSTRUMENTS, GLASS SLIDES USED IN MICROSCOPIC WORK, GLASS PRISMS FOR SCIENTIFIC USE, GLASS TEST AND CULTURE TUBES, AND GLASS HYDROMETERS.
Claims use since Dec. 4, 1941.

Reg. No. 421,603. Registered June 4, 1946. KIMBLE GLASS COMPANY, Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.

SHOCKTEMP

FOR HYDROMETER BARRELS.
Claims use since Sept. 17, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 178,791. Registered Jan. 29, 1924. TAUNTON PEARL WORKS, INC., Taunton, Mass. Republished by Pioneer Suspender Company, Philadelphia, Pa., a corporation of Pennsylvania.

PIONEER

FOR CUFF BUTTONS, COLLAR BUTTONS, THE HOLDERS, SOFT-COLLAR HOLDERS, SCARFPINS, BAR PINS, CUFF PINS, LINGERIE PINS, AND BROOCHES FOR PERSONAL ADORNMENT.
Claims use since Nov. 1, 1921.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 249,614. Registered Nov. 20, 1928. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio. Republished by Owens Brush Company, Toledo, Ohio, a corporation of Ohio.

Stapletied

FOR TOOTHBRUSHES.
Claims use since about Feb. 23, 1923.

Reg. No. 333,304. Registered Mar. 17, 1936. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio. Republished by Owens Brush Company, Toledo, Ohio, a corporation of Ohio.

QUALITEX

FOR TOOTHBRUSHES.
Claims use since about Oct. 18, 1935.

Reg. No. 388,370. Registered Jan. 24, 1941. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio. Republished by Owens Brush Company, Toledo, Ohio, a corporation of Ohio.

Anchor-Lockt

The word "Lockt" is disclaimed.
FOR TOOTHBRUSHES.
Claims use since Oct. 1, 1928.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 125,604. Registered May 27, 1919. THE ACME SPECIALTY MANUFACTURING COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.

ACME

FOR TOILET, STAND, WALL, EXTENSION, TRIPLICATE, HAND, EASEL, TRENCH, METAL, AND BATH-ROOM MIRRORS.
Claims use since Nov. 1, 1909.

Reg. No. 218,135. Registered Sept. 21, 1926. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio, a corporation of Ohio. Republished by registrant.

Velvoleum

FOR DESK TOPS FOR OFFICE DESKS AND THE LIKE.
Claims use since Apr. 15, 1926.

CLASS 33

GLASSWARE

Reg. No. 269,225. Registered Apr. 1, 1930. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.



FOR BOTTLES, JARS, JUGS, DECANTERS, AND CRUETS, ALL MADE OF GLASS.
Claims use since Apr. 20, 1929.

Reg. No. 271,523. Registered June 10, 1930. PACIFIC COAST GLASS COMPANY, San Francisco, Calif. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR GLASS BOTTLES, GLASS JARS, GLASS TUMBLERS, GLASS JUGS, AND OTHER GLASS CONTAINERS FOR BEVERAGES AND FOOD PRODUCTS OF VARIOUS KINDS.
Claims use since on or about Feb. 2, 1928.

Reg. No. 303,526. Registered May 30, 1933. OWENS-ILLINOIS PACIFIC COAST COMPANY, San Francisco, Calif. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR GLASS BOTTLES, GLASS JARS, AND GLASS CONTAINERS.
Claims use since Oct. 1, 1926.

Reg. No. 359,502. Registered Aug. 23, 1938. LIBBEY GLASS COMPANY, Toledo, Ohio. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR DRINKING GLASSES AND FOR GLASS DISHES.
Claims use since on or about the 15th day of October, 1937.

Reg. No. 360,944. Registered Oct. 4, 1938. LIBBEY GLASS COMPANY, Toledo, Ohio. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR DRINKING GLASSES, FRUIT CUPS, BERRY DISHES, AND STEMWARE, ALL MADE OF GLASS.
Claims use since 1924.

Reg. No. 388,537. Registered July 1, 1941. KIMBLE GLASS COMPANY, Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.



FOR GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMESLY, BEAKERS, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS.
Claims use since April 1920.

Reg. No. 390,467. Registered Sept. 23, 1941. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.

Duraglas

FOR BOTTLES, JARS, AND JUGS, ALL MADE OF GLASS.
Claims use since about Sept. 4, 1940, on bottles; and on jars since on or about Nov. 12, 1940.

Reg. No. 392,826. Registered Jan. 13, 1942. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.

SYNCRO FLASH

The word "Flash" is disclaimed.
FOR GLASS BOTTLES AND JARS.
Claims use since on or about the 28th day of July, 1941.

Reg. No. 396,024. Registered June 23, 1942. KIMBLE GLASS COMPANY, Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.

NEUTRAGLAS

FOR GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMESLY, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS.
Claims use since Dec. 4, 1941.

Reg. No. 412,400. Registered Mar. 6, 1945. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.



The word "Heat-Treated" is disclaimed.
FOR DRINKING GLASSES.
Claims use since July 25, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING
APPARATUS

Reg. No. 266,667. Registered Jan. 28, 1930. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Redilite

FOR PYROPHORIC CIGAR LIGHTERS.
Claims use since Apr. 1, 1939.

Reg. No. 363,607. Registered Jan. 3, 1939. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

PENCILITE

FOR PYROPHORIC PENCIL LIGHTERS.
Claims use since Sept. 1, 1939.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 130,120. Registered Apr. 6, 1920. STORY & CLARK PIANO COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

STORY & CLARK

FOR PIANOS.
Claims use since 1885.

Reg. No. 134,575. Registered Sept. 14, 1920. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

La Boheme

FOR MUSICAL-INSTRUMENT STRINGS.
Claims use since on or about Jan. 15, 1917.

Reg. No. 134,576. Registered Sept. 14, 1920. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

IL TROVATORE

FOR MUSICAL INSTRUMENTS AND SUPPLIES.
Claims use since on or about Jan. 1, 1915.

Reg. No. 134,577. Registered Sept. 14, 1920. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

*LA
TRAVIATA*

FOR MUSICAL-INSTRUMENT STRINGS.
Claims use since on or about Jan. 15, 1917.

Reg. No. 134,578. Registered Sept. 14, 1920. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

*LA
MELODIA*

FOR MUSICAL-INSTRUMENT STRINGS.
Claims use since Jan. 1, 1915.

Reg. No. 180,317. Registered Feb. 26, 1924. AMERICAN SKEIN & FOUNDRY COMPANY, Racine, Wis., a corporation of Wisconsin. Republished by registrant.



FOR PIANO PLATES.
Claims use since Aug. 1, 1913.

CLASS 37

PAPER AND STATIONERY

Reg. No. 121,998. Registered June 11, 1918. ZELLERBACH PAPER COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

MARINE

FOR WRITING-PAPER, PRINTING-PAPER, CARD-STOCK, AND ENVELOPES.
Claims use since Feb. 8, 1912.

Reg. No. 144,356. Registered July 5, 1921. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

REDIPOINT

FOR MAGAZINE-PENCILS.
Claims use since Nov. 1, 1917.

Reg. No. 160,402. Registered Oct. 24, 1922. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Aristocrat

FOR PENCILS.
Claims use since May 1, 1921.

Reg. No. 160,573. Registered Oct. 24, 1922. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PRINTPACK

FOR WRITING PAPER AND ENVELOPES.
Claims use since May 1, 1922.

Reg. No. 215,641. Registered July 20, 1926. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Better Printing Papers" are disclaimed.
FOR PRINTING PAPER.
Claims use since Nov. 1, 1924.

Reg. No. 231,346. Registered Aug. 16, 1927. SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

*Sengbusch
No-Over-Flow*

The words "No-Over-Flow" are disclaimed.
FOR SPONGE CUPS WITH AND WITHOUT SPONGES.
Claims use since November 1923.

Reg. No. 231,415. Registered Aug. 16, 1927. FILING EQUIPMENT BUREAU INCORPORATED, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

BI-FOCAL

FOR INDEX CARDS, GUIDES, FOLDERS, AND SHEETS.
Claims use since Apr. 6, 1927.

Reg. No. 232,696. Registered Sept. 13, 1927. TRANSO ENVELOPE COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.



FOR MAILING ENVELOPES.
Claims use since about January 1904.

Reg. No. 239,215. Registered Feb. 28, 1928. THE GLOBE-WERNICKE CO., Norwood, Ohio, a corporation of Ohio. Republished by registrant.

*THE
KNOCK-OUT
PUNCH*

The word "Punch" is disclaimed.
FOR HAND PUNCHES FOR PERFORATING OR PIERCING PAPER AND OTHER MATERIAL.
Claims use since Oct. 27, 1925.

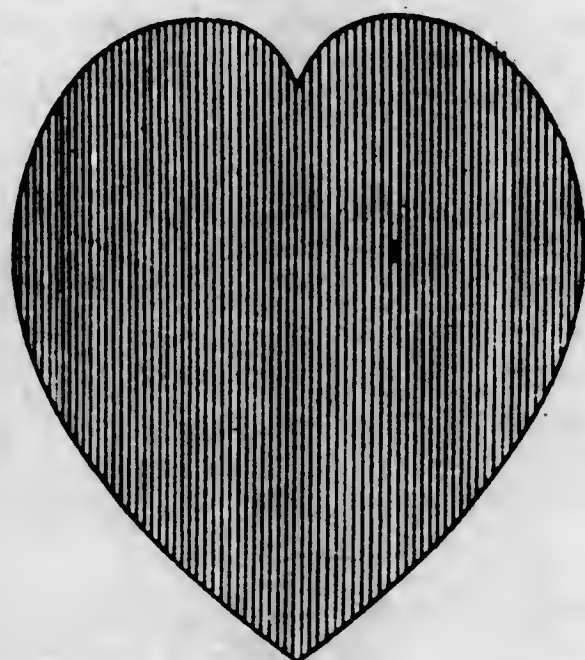
Reg. No. 239,329. Registered Feb. 28, 1928. ZELLERBACH PAPER COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

HIGHWAY

FOR WRITING PAPER, CORRESPONDENCE AND MAILING ENVELOPES, TYPEWRITER PAPERS, COMPOSITION BOOKS, FILLER PADS, BLANK RULED MUSIC BOOKS, QUADRILLE RULED TABLETS, FOOLSCAP PAPER, NOTEBOOKS, MEMORANDUM BOOKS, THEME PAPER, SPELLING BLANKS, TABLETS, RULED LETTERHEADS, LEGAL CAP.

Claims use since May 24, 1926.

Reg. No. 268,961. Registered Mar. 25, 1930. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The drawing is lined for red.
FOR PENCILS, PENS, LEADS, AND RUBBER ERASERS.

Claims use since Sept. 1, 1922.

Reg. No. 276,085. Registered Oct. 7, 1930. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

DandiRite

FOR PENCILS.

Claims use since on or about May 1, 1929.

Reg. No. 342,739. Registered Jan. 26, 1937. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Remite

FOR NOVELTIES MADE OF MOLDED MATERIAL, PARTICULARLY, DESK CALENDARS, WRITING PADS, PENCILS, AND LETTER OPENERS.

Claims use since Jan. 20, 1934.

Reg. No. 363,867. Registered Jan. 10, 1939. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

PRESTO

FOR TELEPHONE INDEX PADS.
Claims use since Aug. 9, 1938.

Reg. No. 412,238. Registered Feb. 27, 1945. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Remembrance Advertising

The word "Advertising" is disclaimed.
FOR BLOTTERS, PENCILS, AND MEMORANDUM PADS.
Claims use since Mar. 1, 1920.

CLASS 38

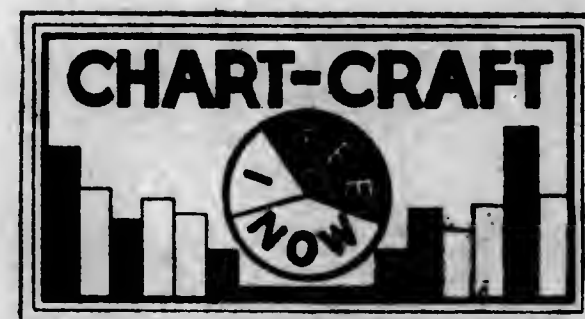
PRINTS AND PUBLICATIONS

Reg. No. 121,044. Registered Apr. 2, 1918. THE CHRONICLE PUBLISHING COMPANY, San Francisco, Calif., a corporation of Nevada. Republished by registrant.

San Francisco Chronicle

FOR DAILY NEWSPAPER.
Claims use since 1865.

Reg. No. 129,735. Registered Mar. 9, 1920. HERMAN A. GROTH, Chicago, Ill. Republished by registrant, present location Oak Park, Ill.



FOR PRINTED BOOKS AND PAMPHLETS.
Claims use since May 13, 1919.

Reg. No. 206,121. Registered Nov. 24, 1925. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Floral Topics

FOR PERIODICAL PARTICULARLY ADAPTED TO FLORISTS AND FLORAL INTERESTS, PUBLISHED FROM TIME TO TIME.

Claims use since on or about June 24, 1925.

Reg. No. 226,592. Registered Apr. 12, 1927. JOHNSTON EXPORT PUBLISHING CO., New York, N. Y., a corporation of New York. Republished by registrant.

AMERICAN EXPORTER

FOR PERIODICAL PUBLICATIONS.
Claims use since Nov. 1, 1877.

Reg. No. 231,019. Registered Aug. 9, 1927. CHAUNCEY P. CARTER, Washington, D. C. Republished by registrant.

THE SYMBOLIST

FOR PERIODICAL PUBLICATIONS.
Claims use since Apr. 1, 1920.

Reg. No. 232,091. Registered Aug. 30, 1927. JOHNSTON EXPORT PUBLISHING COMPANY, New York, N. Y. Republished by Johnston Export Publishing Co., New York, N. Y., a corporation of New York.

EL EXPORTADOR AMERICANO

The lining which indicates the color red is disclaimed.
FOR MAGAZINE.
Claims use since April 1889.

Reg. No. 247,563. Registered Oct. 2, 1928. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

The Burroughs Clearing House

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since October 1916.

Reg. No. 283,431. Registered May 26, 1931. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Remembrance

FOR ETCHINGS, PRINTED ETCHINGS, GREETING CARDS, WATER-COLOR PRINTS, AND GRAVURE ETCHINGS.

Claims use since Mar. 1, 1930.

Reg. No. 290,789. Registered Jan. 19, 1932. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Remembrancetone

FOR ETCHINGS, PRINTED ETCHINGS, GREETING CARDS, WATER-COLOR PRINTS, AND GRAVURE ETCHINGS.

Claims use since June 20, 1931.

Reg. No. 387,935. Registered June 10, 1941. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



FOR CALENDARS.
Claims use since Nov. 1, 1939.

Reg. No. 400,518. Registered Mar. 16, 1943. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Glo-Film

FOR PRINTED SIGNS AND CALENDARS AND DECALCOMANIA TRANSFERS.
Claims use since Jan. 2, 1940.

CLASS 39 CLOTHING

Reg. No. 125,707. Registered June 3, 1919. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR LEATHER, RUBBER, AND CANVAS MEN'S AND WOMEN'S SHOES.
Claims use since Feb. 23, 1912.

Reg. No. 129,118. Registered Jan. 27, 1920. APMX HOSIERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY MADE OF SILK AND MIXTURE OF SILK AND LISLE.
Claims use since January 1901.

Reg. No. 166,081. Registered Mar. 27, 1923. THE CARPENTER SHOE COMPANY, INC., Rochester, N. Y., a corporation of New York. Republished by registrant.

Self - Starter

FOR LEATHER BOOTS AND SHOES.
Claims use since Mar. 15, 1921.

Reg. No. 172,122. Registered Aug. 21, 1923. E. P. REED & Co., Rochester, N. Y., a corporation of New York. Republished by registrant.

MATRIX

FOR SHOES MADE OF LEATHER.
Claims use since about Dec. 31, 1922.

Reg. No. 190,306. Registered Oct. 14, 1924. THE GIFFORD-WELFFENBACH COMPANY, doing business as the Habanix Leather Products Company, Adrian, Mich. Republished by Pioneer Suspender Company, Philadelphia, Pa., a corporation of Pennsylvania.

Peter Bain

FOR BELTS FOR PERSONAL WEAR.
Claims use since about Dec. 1, 1920.

Reg. No. 218,184. Registered Sept. 21, 1926. THE MILLER COMPANY, Dallas and Fort Worth, Tex. Republished by The Hawk & Buck Co., Fort Worth, Tex., a corporation of Texas.



FOR OVERALLS, PANTS, SHIRTS, AND AUTO SUITS ALSO CALLED COVERALLS, ETC., FOR MEN, WOMEN, AND CHILDREN.
Claims use since Apr. 1, 1924.

Reg. No. 232,148. Registered Sept. 6, 1927. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

YOUNG MODERNS

FOR SHOES CONSTRUCTED OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THE SAME.
Claims use since Apr. 10, 1925.

Reg. No. 237,956. Registered Jan. 24, 1928. MEYER-MUELLER-GOODMAN Co., St. Louis, Mo., a corporation of Missouri. Republished by registrant.

INOVATION

FOR NECKTIES AND CRAVATS.
Claims use since Aug. 1, 1927.

Reg. No. 241,125. Registered Apr. 17, 1928. FRANCO CORSET COMPANY, New York, N. Y., a firm. Republished by registrant.

Brevity by Franco

FOR COMBINATION CORSET AND BRASSIÈRE.
Claims use since Aug. 22, 1927.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 114,606. Registered Dec. 19, 1916. THE WILSON FASTENER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



FOR SNAP FASTENERS FOR GARMENTS, DRESSES, AND WEARING APPAREL GENERALLY.
Claims use since June 28, 1916.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 129,858. Registered Mar. 9, 1920. ROYAL EMBROIDERY WORKS, NADAY & FLEISCHER, New York, N. Y. Republished by Dumari Textile Co., Inc., New York, N. Y., a corporation of New York.

FAIRYSPUN

FOR COTTON VOILE.
Claims use since July 9, 1919.

Reg. No. 147,356. Registered Oct. 11, 1921. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

IDEAL

FOR SHEETING, SHEETS, AND PILLOW CASES.
Claims use since 1906.

Reg. No. 161,780. Registered Nov. 21, 1922. JOHN A. GRIFFITH CO. INCORPORATED, Chicago, Ill. Republished by Ross F. Bergh & Co., Inc., Chicago, Ill., a corporation of Illinois.



The disc background is lined for the color yellow.
FOR TEXTILE SUITINGS FOR MEN.
Claims use since Jan. 2, 1922.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 126,706. Registered Sept. 30, 1919. KIMBERLY-CLARK Co., Neenah, Wis. Republished by International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.



FOR FIBROUS MATERIAL MADE FROM PAPER-STOCK IN THE FORM OF A VERY TENUOUS WEB AND USED FOR SURGICAL DRESSINGS.
Claims use since Nov. 14, 1917.

Reg. No. 128,416. Registered Jan. 6, 1920. KIMBERLY-CLARK COMPANY, Neenah, Wis. Republished by International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.

CELLUNAPS

FOR SANITARY NAPKINS MADE FROM TENUOUS AS WELL AS FIBROUS AND ABSORBENT MATERIAL, INTENDED PRINCIPALLY FOR GENERAL COMMERCIAL USE AND ALSO IN HOSPITALS.
Claims use since Apr. 2, 1919.

Reg. No. 215,866. Registered July 27, 1926. CELLOCOTTON PRODUCTS COMPANY, Neenah, Wis. Republished by International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.

CELLUWIPES

FOR ABSORBENT PADS OR SHEETS FOR HOSPITAL USE.
Claims use since Feb. 19, 1926.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 213,971. Registered June 8, 1926. CHOCOLATE PRODUCTS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Nov. 1, 1924.

Reg. No. 237,978. Registered Jan. 24, 1928. **BLANK-BAR EXTRACT & PRESERVING COMPANY**, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Win-you

FOR FLAVORING EXTRACTS USED IN THE PREPARATION OF MALTLESS BEVERAGES SOLD AS SOFT DRINKS.

Claims use since Aug. 1, 1918.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 105,725. Registered Aug. 17, 1915. **HILLS BROS.**, San Francisco, Calif. Republished by Hills Bros. Coffee, Inc., San Francisco, Calif., a corporation of California.

BLUE CAN

The right to the exclusive use of the blue can is disclaimed.

FOR COFFEE.

Claims use since Oct. 15, 1908.

Reg. No. 105,726. Registered Aug. 17, 1915. **HILLS BROS.**, San Francisco, Calif. Republished by Hills Bros. Coffee, Inc., San Francisco, Calif., a corporation of California.

Red Can

The right to the exclusive use of the red can is disclaimed.

FOR COFFEE.

Claims use since Dec. 13, 1913.

Reg. No. 106,424. Registered Oct. 19, 1915. **D. GHIRARDELLI CO.**, San Francisco, Calif., a corporation of California. Republished by registrant.

FLICKS

FOR EATING CHOCOLATE AND CHOCOLATE CANDY.

Claims use since Sept. 1, 1904.

Reg. No. 106,970. Registered Nov. 9, 1915. **HOUSTON PACKING COMPANY**, Houston, Tex., a corporation of Texas. Republished by registrant.

Honeysuckle

FOR BUTTER AND EGGS.

Claims use since June 1, 1914.

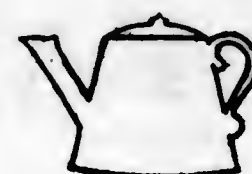
Reg. No. 114,671. Registered Jan. 2, 1917. **AMERICAN CRANBERRY EXCHANGE**, New York, N. Y. Republished by American Cranberry Exchange, Incorporated, New York, N. Y., a corporation of Delaware.

EATMOR

FOR CRANBERRIES.

Claims use since July 26, 1916.

Reg. No. 116,557. Registered May 8, 1917. **SALADA TEA COMPANY, INC.**, Portland, Maine, and Boston, Mass., a corporation of Maine. Republished by registrant, present location Boston, Mass.



FOR TEA.

Claims use since Dec. 31, 1892.

This republication supersedes the republication of the mark in the OFFICIAL GAZETTE of Jan. 6, 1948.

Reg. No. 120,458. Registered Feb. 5, 1918. **WENATCHEE-NORTHERN WAREHOUSE & MARKETING CO.**, Wenatchee, Wash. Republished by Northern Cold Storage & Warehouse Co., Duluth 2, Minn., a corporation of Minnesota.



FOR FRESH APPLES AND PEARS.

Claims use since Sept. 1, 1913.

Reg. No. 122,589. Registered Aug. 27, 1918. **INDERRIEDEN CANNING CO.**, Chicago, Ill. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

Nimrod

FOR CANNED PEAS AND CANNED CORN.

Claims use since Feb. 26, 1918.

Reg. No. 123,132. Registered Oct. 15, 1918. **INDERRIEDEN CANNING CO.**, Chicago, Ill. Republished by The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois.

JOCKEY CLUB

FOR CANNED CORN AND CANNED RED BEANS, CANNED RED KIDNEY BEANS, CANNED PORK AND BEANS.

Claims use since Apr. 26, 1907.

Reg. No. 126,292. Registered Aug. 19, 1919. **THE J. B. INDERRIEDEN CO.**, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PICK OF THE PACK



FOR CANNED CORN AND CANNED BEANS AND PORK WITH TOMATO SAUCE.

Claims use since Jan. 5, 1909.

Reg. No. 127,045. Registered Oct. 21, 1919. **D. GHIRARDELLI CO.**, San Francisco, Calif., a corporation of California. Republished by registrant.



FOR CHOCOLATE.

Claims use since June 1, 1881.

Reg. No. 138,978. Registered Jan. 18, 1921. **FRANK G. JENSEN**, Springfield, Mass. Republished by F. G. Jensen & Sons, Inc., Springfield, Mass., a corporation of Massachusetts.

FOR CANDIED FRUITS, CANDIED NUTS, AND CANDY.

Claims use since Jan. 1, 1882.

Reg. No. 146,314. Registered Sept. 6, 1921. **NORTHRUP, KING & CO.**, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.



The word "Sterling" is disclaimed.
FOR POULTRY AND DAIRY FEED.
Claims use since January 1905.

Reg. No. 163,338. Registered Jan. 9, 1923. **HILLS BROS.**, San Francisco, Calif. Republished by Hills Bros. Coffee, Inc., San Francisco, Calif., a corporation of California.

Hills Bros.

FOR COFFEE.

Claims use since Mar. 1, 1878.

Reg. No. 168,685. Registered May 29, 1923. **WENATCHEE-NORTHERN WAREHOUSE & MARKETING CO.**, Wenatchee, Wash. Republished by Northern Cold Storage & Warehouse Co., Duluth, Minn., a corporation of Minnesota.



FOR FRESH FRUITS—NAMESLY, APPLES.
Claims use since 1912.

Reg. No. 189,040. Registered Sept. 9, 1924. D. GHIRARDELLI COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.



FOR CHOCOLATE AND COCOA FOR COOKING AND BEVERAGE PURPOSES.
Claims use since Mar. 1, 1916.

Reg. No. 193,249. Registered Dec. 23, 1924. AMERICAN CRANBERRY EXCHANGE, INCORPORATED, New York, N. Y., a corporation of Delaware. Republished by registrant.

Eatmor

FOR CRANBERRY SAUCE, CRANBERRY JELLY.
Claims use since March 1920.

Reg. No. 245,996. Registered Aug. 28, 1928. THE ROBINSON MILLING COMPANY, Salina, Kans., a corporation of Kansas. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since about Mar. 14, 1928.

CLASS 50
MERCHANDISE NOT OTHERWISE
CLASSIFIED

Reg. No. 190,853. Registered Oct. 28, 1924. RESPRO INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant, present location Cranston, R. I.

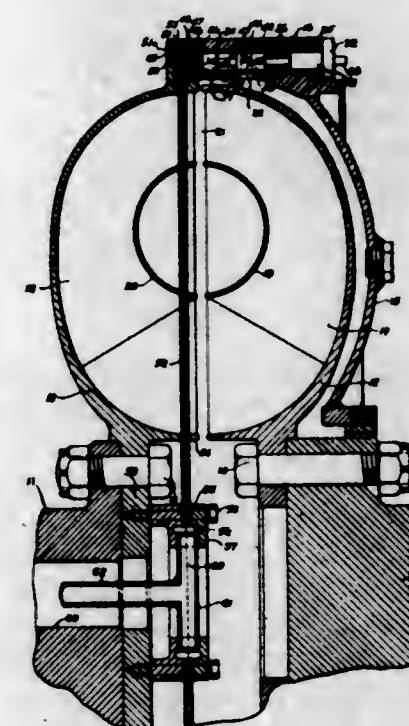
"TUFSTA"

FOR A SHEET FABRIC COMPRISING UNWOVEN COTTON IMPREGNATED WITH AN ADHESIVE.
Claims use since December 1921.

REISSUES

FEBRUARY 24, 1948

22,975
DUMP VALVE FOR HYDRAULIC COUPLINGS
Noah L. Allison, Phoenix, Ariz., assignor to The American Blower Corporation, Detroit, Mich., a corporation of Delaware
Original No. 2,325,090, dated July 27, 1943, Serial No. 358,144, September 24, 1940. Application for reissue September 8, 1947, Serial No. 772,828
11 Claims. (Cl. 60—54)

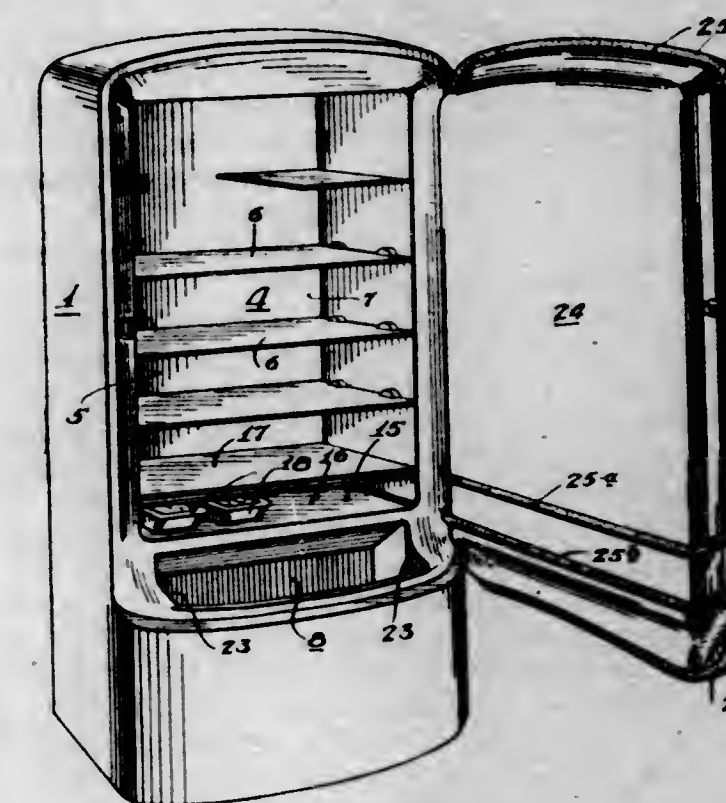


1. In a hydraulic coupling, a primary rotor, a secondary rotor, said primary rotor being adapted to be connected with a prime mover, means for supplying working fluid to said rotors, a casing surrounding said rotors and having a radially arranged discharge channel therein, a discharge opening in said casing, a reciprocable valve member with spaced piston heads adapted selectively to effect communication between said discharge channel and said discharge opening, means for continuously passing working fluid past said valve member from the inlet portion of the discharge channel, means for holding said valve member closed during operation of said coupling, and means for opening said valve member to effect communication between said radial channel and said discharge opening.

22,976
TWO-TEMPERATURE REFRIGERATOR
Donald E. Dailey, Bryn Mawr, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original No. 2,430,456, dated November 11, 1947, Serial No. 515,950, December 28, 1943. Application for reissue December 4, 1947, Serial No. 789,751
18 Claims. (Cl. 62—116)

1. In a refrigerator of the character described, a cabinet having a main refrigerated compartment, a sharp-freezing compartment located below the main compartment, said sharp-freezing compartment being enclosed at the sides and bot-

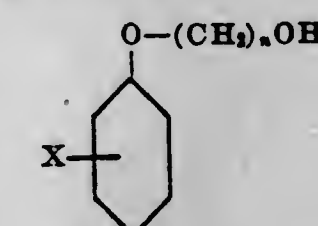
tom and having an access opening in the upper portion thereof, a door constituting a common



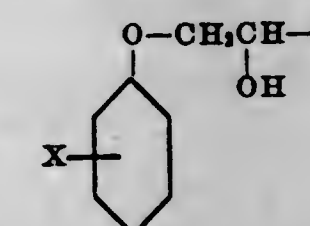
closure for said compartments, and means cooperative with the door when the latter is closed for individually sealing said compartments.

22,977
BLEACHING BATH AND PROCESS FOR BLEACHING COLOR FILM
Frank J. Kaszuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original No. 2,419,900, dated April 29, 1947, Serial No. 627,527, November 8, 1945. Application for reissue July 11, 1947, Serial No. 760,517
17 Claims. (Cl. 95—88)

1. In a process of color photography the method of removing silver from the film after dye-stuff image formation by the action of a bleaching bath which comprises treating said film with such a bath containing a phenoxy alcohol selected from the class consisting of those corresponding to the following formulae:



and



wherein R is alkyl, X is a member selected from the class consisting of hydrogen, alkyl, and halogen, and n is a positive integer of from 1 to 3.

PLANT PATENTS

GRANTED FEBRUARY 24, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

785

ROSE PLANT

Theodore John Morris, deceased, late of Van Nuys, Calif., by Lillian Adele Morris, administratrix, Van Nuys, Calif., assignor to Western Rose Co., Van Nuys, Calif., a copartnership composed of Albert B. Morris and Lillian Adele Morris

Application November 4, 1946, Serial No. 707,649
1 Claim. (Cl. 47—61)

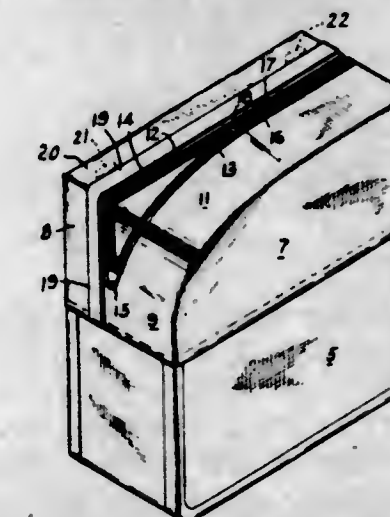
A new and distinct variety of hybrid tea rose plant characterized as to novelty by its profuse blooming habit, continuity of blooming, color of the flower and retention of form and color until blooms fall, substantially as shown and described.

648

PATENTS

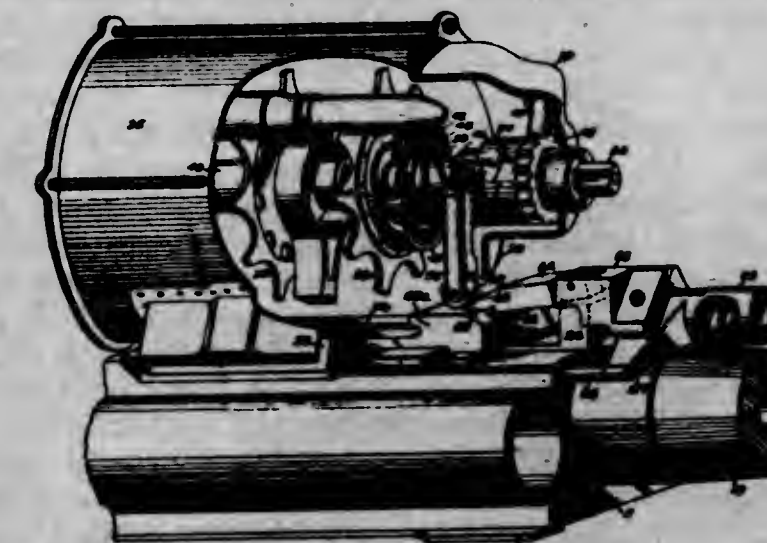
GRANTED FEBRUARY 24, 1948

2,436,369
WATERPROOF MAILBAG COVER WITH PROTECTED OPENING
Mannie Allen, Brooklyn, N. Y.
Application May 26, 1944, Serial No. 537,387
1 Claim. (Cl. 150—52)



The combination with a postal mail bag having an open upper end, of a protecting cover for the mail bag having an open lower end adapted to receive the upper end of the postal mail bag, said cover having a top wall and end walls provided with an opening extending centrally in the top wall and in the end walls to points near the lower edges of the end walls, cooperating rows of slide fastener hooks connected to the side edges of said top and end walls adjacent said opening on one side of the cover, a slide engaging certain of said slide fasteners and movable over a midway position on the top wall to couple said engaged slide fasteners in closed position, a slide engaging the other slide fasteners and movable to a midway position on the top wall to couple said other slide fasteners in a closed position, and a sealing flap connected to said cover on one side of said slide fasteners and adapted to overlap all of said slide fasteners and the slides thereof to prevent admission of rain water to said opening.

2,436,370
AUTOMATIC FIREARM FEED MECHANISM
Albert M. Alexander, Havre de Grace, Md.
Application July 24, 1942, Serial No. 452,156
2 Claims. (Cl. 89—93)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

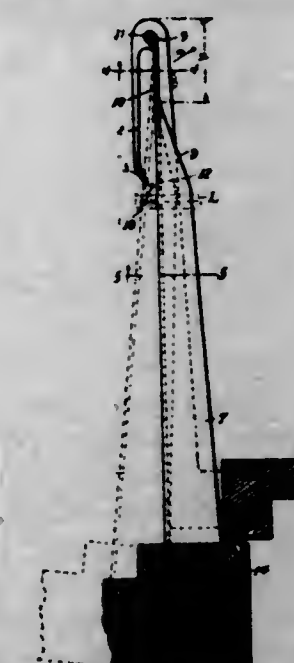


1. In an automatic firearm of the type mounted for limited reciprocation in recoil and counter recoil, and having a receiver and a cartridge feed

607 O. G.—42

mechanism fixed to the gun mount in the region of the receiver, the improvement comprising a gas piston carried by the firearm and in communication with the bore gases of the firearm for rearward motion thereby, means for returning the gas piston to forward position, and means carried by the gas piston constructed and arranged to operate the feed mechanism on reciprocation of the firearm, whereby the feed mechanism is indexed completely on each reciprocation of the firearm regardless of the extent of recoil of the firearm, said feed-mechanism including means for storing energy to operate the feed mechanism, a reciprocal element for imparting energy to said storing means by reciprocation, a spring urging said element in one direction, and a platform contacting said element to limit movement thereof in said one direction; said means carried by said gas piston including a cam pivoted at one of its ends to the gas piston, the other and reduced end of said cam resting upon said platform out of engagement with said reciprocable element when the piston is in forward position, said cam entering between said platform and said reciprocable element during recoil of said piston whereby said cam moves said element in reciprocation away from said platform, said cam being withdrawn from between said platform and said reciprocable element by counter recoil movement of said piston to permit said spring to return said element in reciprocation into contact with said platform.

2,436,371
KNITTING MACHINE NEEDLE AND METHOD OF MAKING SAME
Roy Charles Amidon, Reading, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Application June 14, 1945, Serial No. 599,493
11 Claims. (Cl. 66—116)

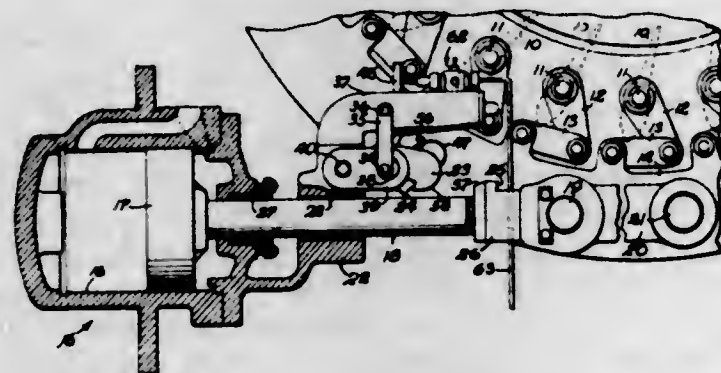


1. In a knitting machine needle having a shank and a hook end and a thread passage into the hook end, and having a thread-passage-closing tongue anchored at one end within the hook, the improvement which includes: a needle having a shank and a hook; a tongue having a longitudinally grooved shank to receive the shank of the needle with the closed edge of the tongue located on the hook-side of the needle.

649

2,436,372

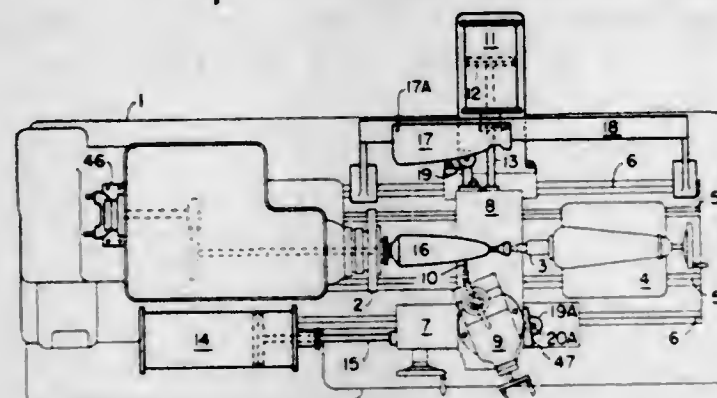
TURBINE GATE LATCH MECHANISM
 Clarence L. Avery, Rockford, Ill., assignor to
 Woodward Governor Company, Rockford, Ill.,
 a corporation of Illinois
 Application June 10, 1944, Serial No. 539,775
 9 Claims. (Cl. 253-122)



1. Mechanism for latching the reciprocable actuating member of wicket gates comprising a shaft extending transversely of and spaced laterally from the line of reciprocation of said member, a link extending along said line and swingable about a fixed axis parallel to and spaced from said shaft, said link being pivotally connected to said shaft eccentrically of the shaft axis, a second link pivotally connected to said shaft and swingable about an axis disposed on the side of said shaft opposite said member, a shoulder on said actuating member spaced along said line from said shaft when said gates are closed and extending transversely of said line, a pawl pivoted on said shaft and interengageable with said shoulder, an actuating arm fixed to said shaft, and a yieldable connection between said arm and said pawl urging the latter past said shoulder.

2,436,373

MACHINE TOOL CONTROL
 Frederick A. Barnes, Cleveland Heights, Ohio,
 assignor to Bailey Meter Company, a corpora-
 tion of Delaware
 Application June 30, 1944, Serial No. 542,920
 11 Claims. (Cl. 90-62)

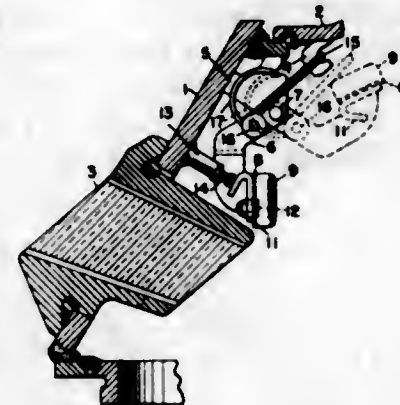


1. A tracer mechanism for a machine tool having a relatively movable work piece and tool and having a pattern with a shape corresponding to the desired shape of the work piece, comprising in combination, a feeler arm adapted to scan the pattern, a structure having near one end a cone pivot and near the other end the stationary part of a control couple, the pivot and part in axial alignment, a pair of opposed discs lying in a plane normal to the said axial alignment and normally contacting at their peripheries, one disc carrying the feeler and pivotable about said cone, the movable part of the control couple carried by the other disc, and parallelogram motion means fastened at one end to said structure and at the other end to the said other disc and movable part whereby deflection of the feeler in any direction about said cone moves the movable part axially in the stationary part of the couple.

2,436,374

COMBINED HATCH COVER LOCK AND HEADREST

Robert E. Birdsall, Detroit, Mich.
 Application May 15, 1945, Serial No. 593,916
 6 Claims. (Cl. 296-1)
 (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a hatch structure having a viewing window therein and a hatch cover with a depending locking projection therefor, a combined cover locking means and head rest comprising a support on said hatch structure, a lever arm having an offset portion pivotally mounted on said support, a head rest member attached to said offset portion of said lever arm, a locking spring member pivoted on an intermediate portion of said lever arm engageable with said locking projection, said lever arm being pivotally movable in one direction to a locking position beyond dead center relative to said locking projection when said cover is in a closed position, and adjustable means carried by said structure and cooperatively limiting the pivotal movement in said one direction of said lever arm when the latter is in said locking position, said locking spring member engaging said locking projection of said hatch cover to lock the latter in closed position when said lever arm is in said locking position, said head rest being immediately adjacent said viewing window when said lever arm is in said locking position.

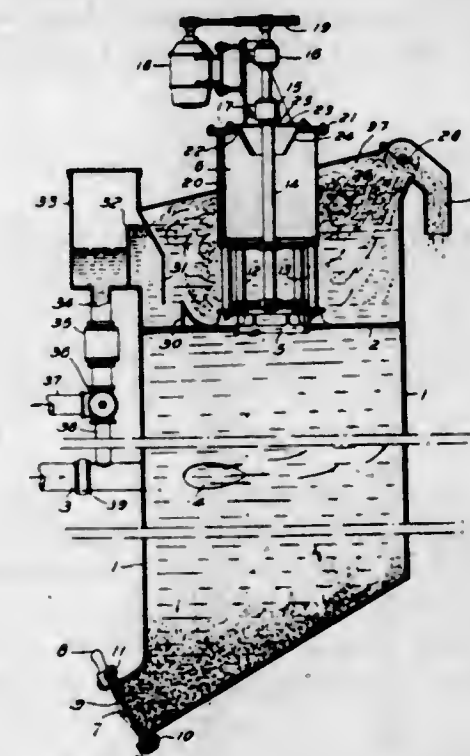
2,436,375

CLARIFIER FOR LUBRICATING COOLANTS BY MEANS OF FROTH FLOTATION

Robert B. Booth, Springdale, and Norman Morash, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
 Application April 19, 1943, Serial No. 483,562
 7 Claims. (Cl. 210-53)

1. A clarification unit, adapted for the continuous removal of substantially all solid contaminants from lubricating coolant contaminated therewith as the coolant is passed therethrough, said solid contaminants varying in size from those too large for practical concentration by froth flotation to those too small to be practically removed by settling, which comprises the combination of a chamber, partitioning means within said chamber adapted to separate said chamber into at least a first section and a second section; a first conduit means for introducing contaminated coolant into said first section; communicating means adapted to pass coolant from said first into said second sections; said first section having sufficient volume that the normal flow therethrough is substantially non-turbulent and the upward component of the fluid velocity therethrough is less than the falling rate of contaminant particles of a size too large for practical

flotation; means within said second section adapted to produce intense aeration and agitation of the coolant therein, whereby the solid contaminants are concentrated in a froth layer above the fluid, said second section being of sufficient volume that the time required to pass a unit volume therethrough is sufficient to permit concentration of substantially all the contaminants therein in

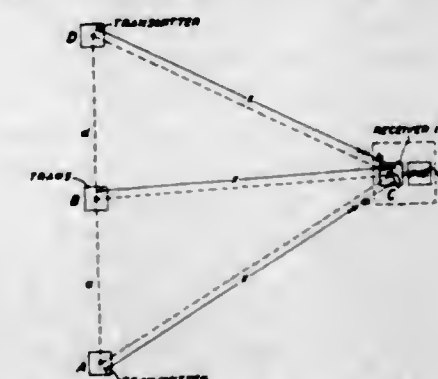


said froth layer; said communicating means being so located as to introduce coolant into said second section at a level below the aerating and agitating means; means adapted to continuously remove contaminant-bearing froth from said froth layer substantially at the same rate it is formed and baffled passage means adapted to remove clarified coolant from said second section.

2,436,376

SYSTEM FOR TRANSMITTING INTELLIGENCE

Ralph Bown, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
 Application March 31, 1944, Serial No. 528,862
 3 Claims. (Cl. 250-11)



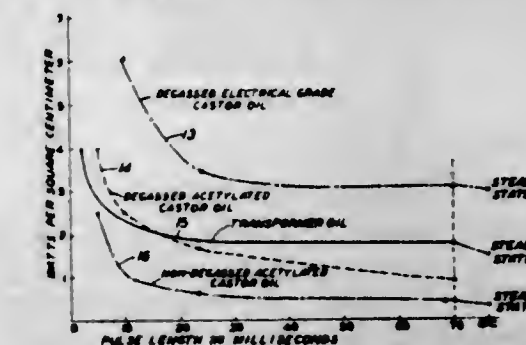
1. In a long range navigational system for mobile craft, a pair of transmitting stations at known fixed positions, each of said stations transmitting a series of pulses, the first pulse of both series being transmitted simultaneously from said stations, the pulses of both series being uniformly spaced and those of one series bearing a vernier relation with respect to those of the other series, a mobile craft remote from said stations, a receiver on said craft for receiving both said transmitted series of pulses, and an indicator associated with said receiver for displaying both series of pulses simultaneously in juxtaposition, whereby the difference in time of travel of one

series of pulses with respect to the other series and the difference between the respective distances to said transmitting stations can be accurately determined with greater facility.

2,436,377

ULTRASONIC COMPRESSIONAL WAVE TRANSMISSION

Howard B. Briggs, Chatham, John B. Johnson, Maplewood, and Warren P. Mason, West Orange, N. J., assignors to Bell Telephone Laboratories Incorporated, New York, N. Y., a corporation of New York
 Application December 27, 1943, Serial No. 515,730
 3 Claims. (Cl. 177-386)

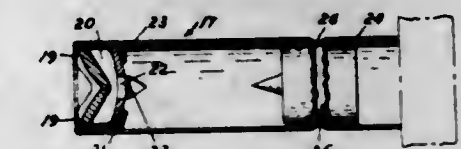


1. The method of increasing the effective range of sound ranging by compressional waves in sea water, consisting of the transmission of high power in pulses of such short duration that cavitation is avoided.

2,436,378

FUZE

Irving S. Chenoweth, Eureka, Ill.
 Application February 7, 1946, Serial No. 646,190
 1 Claim. (Cl. 102-78)
 (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A fuze for explosive shells comprising a cylindrical tube, a primer in one end of said fuze retained against outward motion by returned scallops on the end of the tube, and against inward motion by struck portions on the tube, an annular restriction in the tube, and a cylindrical striker having an annular groove mating said construction, said striker fitting the tube rearward of the groove and having a diameter forward of the groove less than that of the tube and said striker, when engaging said constriction with its groove, being spaced from the end of the tube remote from the primer.

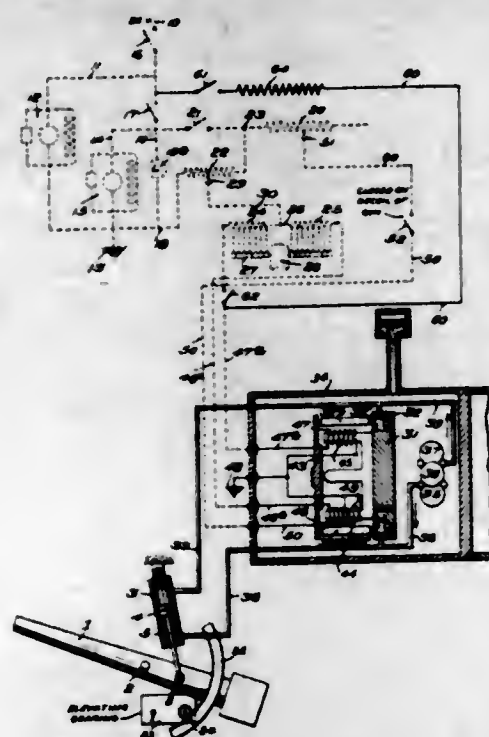
2,436,379

BACKLASH TAKE-UP FOR GUN ELEVATING MECHANISM

George I. Chinn, Detroit, Mich.
 Application January 19, 1944, Serial No. 518,808
 6 Claims. (Cl. 89-41)
 (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In combination with a trunnion-mounted gun of the type having alternately operable manually-actuated mechanical means and automatically-controlled fluid pressure means for selectively positioning the gun about its trunnion axis, means for modifying said fluid pressure means to provide a positioning force biasing said gun

in one direction only to take up backlash in said mechanical means, and means for introducing

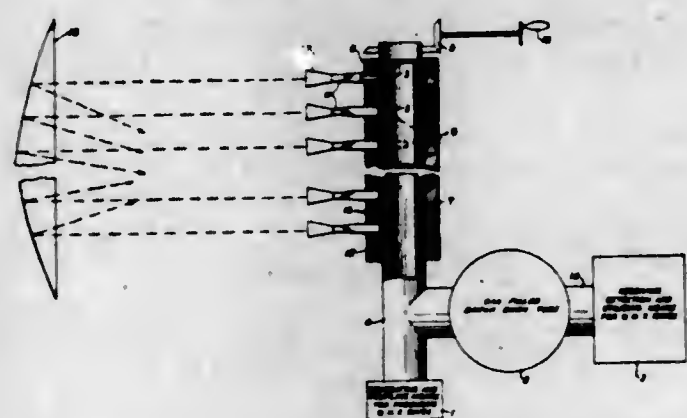


the last named means during operation of said manually-actuated mechanical means.

2,436,380

RAPID SWEEP RADIATING SYSTEM

Cassius C. Cutler, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1944, Serial No. 555,424
6 Claims. (Cl. 250-11)

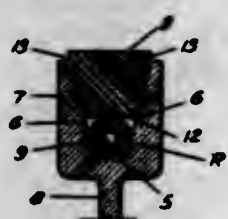


1. A wave guide having a plurality of irises, supplemental wave guides, movable means for opening the irises in succession to said supplemental wave guides, and phase transforming means in each supplemental guide.

2,436,381

LOAD RING FOR V-BELTS

Arthur C. Daman, Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware
Application January 28, 1946, Serial No. 643,908
14 Claims. (Cl. 74-230.7)



1. A load ring for a V-belt, adapted to be installed in the inner portion of a pulley groove, said ring being formed of resilient material and having a cross-sectional shape such that a portion of said ring will normally be spaced from the side walls of said groove, said ring being compressible into engagement with the walls of said groove.

2,436,382
DRY CELL BATTERY OF THE FLAT TYPE
Cyril P. Deibel, Lakewood, Clarence N. Mertes, Berea, and Lewis A. Gray, Lakewood, Ohio; said Mertes and said Gray assignors to said Deibel; Marion Thomas Deibel and The Cleveland Trust Company, executors of said Cyril P. Deibel, deceased, assignors to General Dry Batteries, Inc., a corporation of Ohio
Application July 17, 1943, Serial No. 495,150
12 Claims. (Cl. 136-111)



9. In a dry cell unit comprising a plurality of cells arranged in stacked relation within an outer casing and connected in series and held in electrical contact, each cell comprising a zinc cup having a base portion and side walls, and containing a mass of mix separated from said zinc cup, a carbon button electrode of substantially less cross-sectional area than said cup and than said mass of mix and embedded in the surface of said mass of mix opposite the base of said zinc cup, and a resilient metallic conductor engaging said carbon electrode and separated from said mix and adapted to contact the exterior of the base of the zinc cup of the adjacent cell; the improvement which comprises a wrapping composed of a thin sheet of flexible insulating material impervious to the electrolyte of the cell, extending along the side walls of said zinc cup, across said mass of mix and overlying the edge portions of said carbon electrode and said metallic conductor, said wrapping having an opening through which a portion of said metallic conductor projects to engage said base of the zinc cup of the adjacent cell, the portion of said wrapping extending across said mix and overlying the edges of said carbon electrode preventing contact between the zinc cup, mix and carbon electrode of the cell with which it is associated and said zinc cup of the adjacent cell.

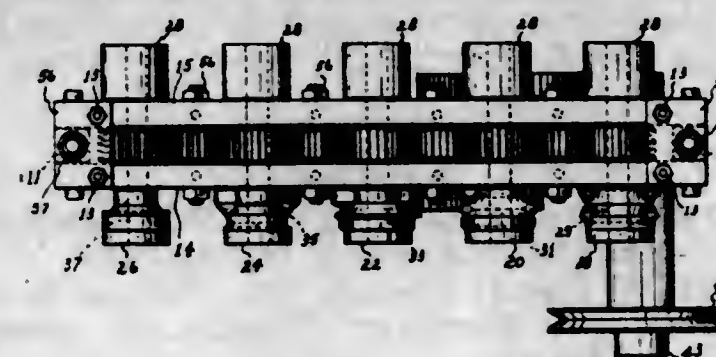
2,436,383

METHOD AND APPARATUS FOR BENDING SHEET MATERIAL

Harold V. Dettman, Chicago, Ill.
Application May 27, 1946, Serial No. 672,366
2 Claims. (Cl. 153-28)

1. In the formation of a sheet metal joint commonly called a "Pittsburgh lock," the method comprising the steps of first forming a slow bending curve bending inwardly toward said metal and at an angle of about 45° with said metal and simultaneously forming a V bend adjacent to said curve, secondly forming an offset from said curve in said metal, said offset being less than 90° but more than 45° while simultaneously forming a

flat section adjacent the offset parallel to but in a different plane than the main body of the metal and simultaneously deepening the V bend formed in the first step and thereafter completing the

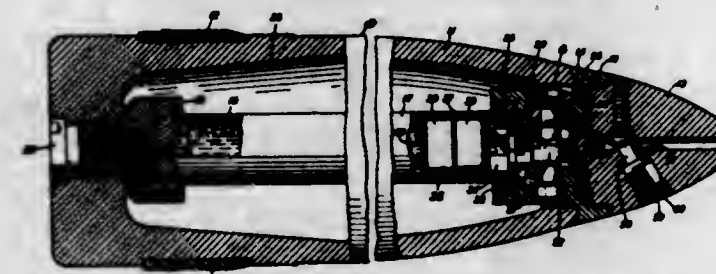


joint by folding the V bend underneath said flat section into parallel alignment with the main body of the metal and said flat portion, the offset formed in the second step being maintained throughout the subsequent operations.

2,436,384

SOUND RECORDING DEVICE

Harvey Fletcher, Summit, John F. Müller, Montclair, and Karl D. Swartzel, Jr., Teaneck, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1941, Serial No. 423,568
12 Claims. (Cl. 274-1)

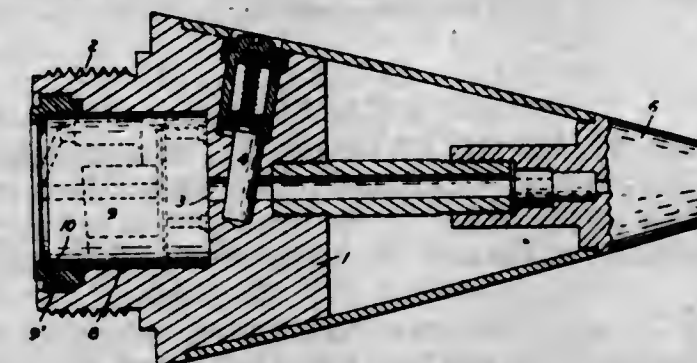


1. In combination, a casing or shell adapted to be moved through a fluid medium with a spinning motion by energy imparted to it at the beginning of its movement, said casing not being provided with means for driving it, a motor member within said casing and coaxially positioned with respect to the longitudinal axis thereof, and means controlled by energy derived from the spinning movement of said casing through said medium for operating said motor member in one direction only during the movement of said casing, said one direction being opposite to the direction of movement of translation of said casing.

2,436,385

DELAY FUSE

John C. Gillette, Washington, D. C., and Braxton H. Tabb, Jr., Arlington, Va.
Application February 15, 1945, Serial No. 577,982
2 Claims. (Cl. 102-74)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



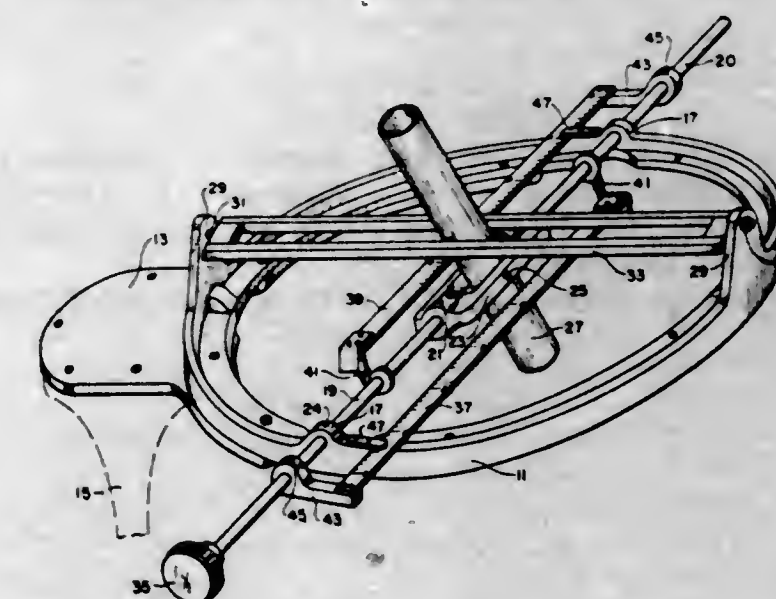
1. In a delay fuse for a shell, a fuse body, a stationary delay fuse casing in said body, a

plunger slidable in said casing, an eccentrically located bore in said plunger establishing communication between the plunger and the explosive charge in a shell, a primer in said bore, a firing pin carried by the casing in line with the primer and adapted to contact said primer upon the forward movement of the plunger upon impact, a transverse recess in the plunger, a slide in said recess responsive to centrifugal force, said slide being provided with a laterally extending lip normally covering the primer to prevent accidental engagement between the primer and firing pin, centrifugal force responsive bolts in the plunger in engagement with the slide to normally lock it against movement, setback means engaging the bolts and operable to release the slide upon the firing of the shell to render the primer available to the firing pin upon impact of the shell.

2,436,386

CALCULATOR

Waldo D. Gossard, Eureka, Calif., assignor to the United States of America, as represented by the Secretary of War
Application February 5, 1946, Serial No. 645,672
5 Claims. (Cl. 33-68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a calculator, a circular base member, mutually aligned bearings sustained by said base member at diametrically opposite positions thereof, a shaft positioned in each of said bearings and adapted to be longitudinally slidable and rotatable, a substantially oval shaped yoke sustained by the inner ends of said shafts with its long diameter aligned with the axes of said shafts, a hollow sighting tube sustained by said yoke and pivotable about the short diameter thereof, a scale parallel to said shafts and frictionally coupled thereto for longitudinal movement therewith, an elongated frame sustained by said base member and pivotable about its long axis, the long diameter of said yoke and the long axis of said frame being perpendicular to each other and in spaced parallel planes, and the sighting tube extending through the frame.

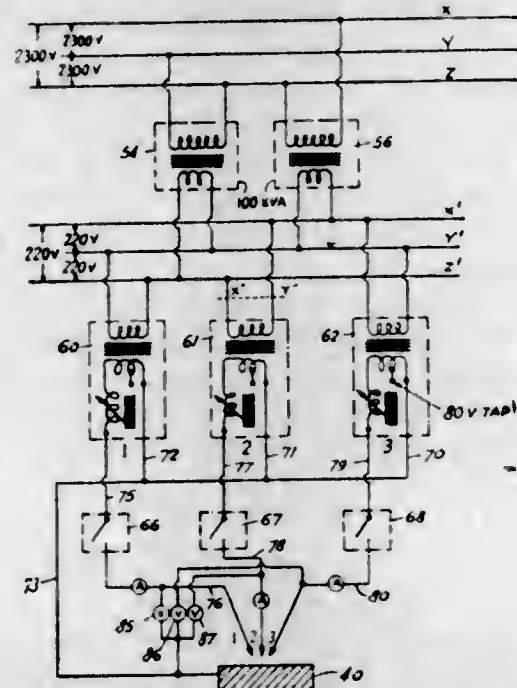
2,436,387

MULTIPLE ELECTRODE ARC WELDING

Isaac Harter and Evan F. Wilson, Akron, and Ernest C. Hoge, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application December 22, 1944, Serial No. 569,320
10 Claims. (Cl. 219-8)

1. In a method of arc welding, maintaining a plurality of metal fusing and metal depositing

electric arcs along a weld zone, energizing the arcs from a single polyphase source, maintaining a uniform phase difference of less than 180° between the arcs, independently and continuously



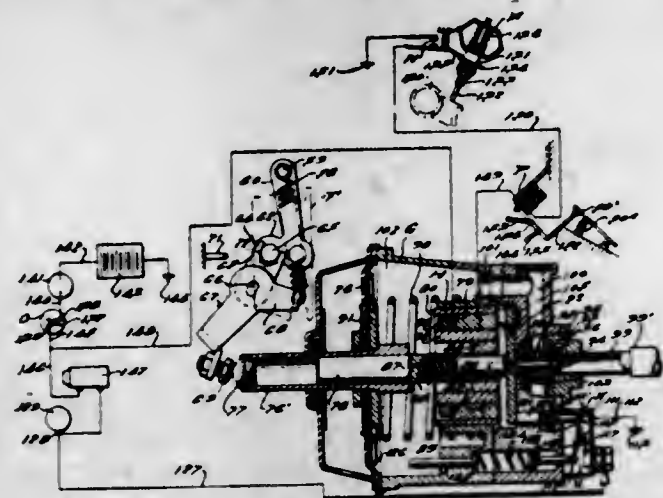
supplying weld metal to each arc as metal is fused thereby, co-ordinating relative movement between said arcs and the weld zone with the rate of fusion, and independently controlling the voltage of each arc.

2,436,388

SERVOMOTOR

Teno Iavelli, Detroit, and Victor E. Matulaitis, Highland Park, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application November 28, 1940, Serial No. 367,584
22 Claims. (Cl. 121-40)



1. In a motor for controlling a vehicle power transmission; a casing structure; an electromagnet assembly fixed within said casing and having a rod-supporting portion; a rod fixed at one end thereof to said rod-supporting portion of said assembly and having a guide portion projecting as a cantilever therefrom; a tubular rod slidably mounted on said cantilever guide portion and adapted for reciprocation relative to said guide portion for controlling operation of said transmission; a pressure fluid operated member operably connected to said tubular rod; and means controlled in part by said electromagnet assembly for effecting operation of said piston.

22. In a fluid servo-motor device, a casing structure providing a working chamber, a pressure fluid operated member operably disposed in said chamber for movement in a predetermined path, a plate-like armature attached to said member, an electromagnet disposed within said casing structure and comprising inner and outer flux-directors and an electrical current-conducting coil interposed between said directors, said armature being engageable in one position of said

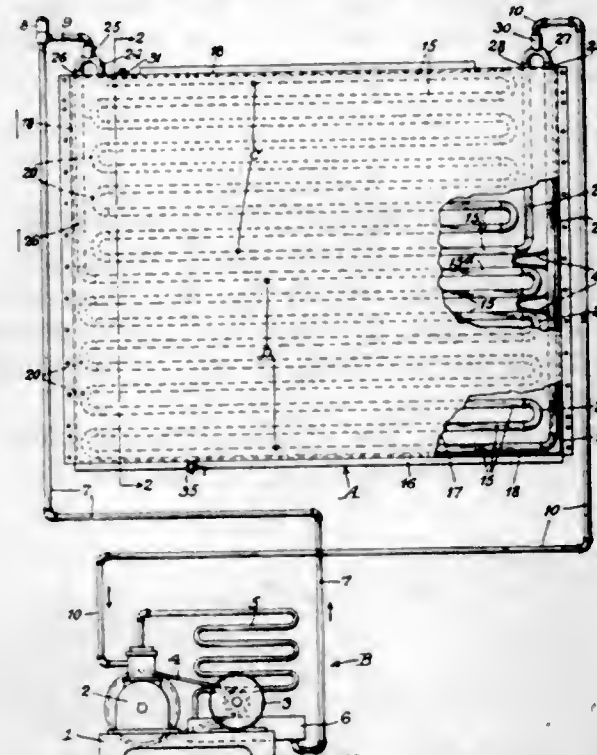
member with said directors in magnetic holding relationship therewith, a spring biasing said member in opposition to said holding relationship, and connecting means between said member and said inner director adapted to constrain said member for effecting its said movement along said path.

2,436,389

REFRIGERATING PLATE AND INTERNAL REINFORCEMENT THEREFOR

Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Company, Chicago, Ill., a corporation of Illinois

Application September 4, 1945, Serial No. 614,420
3 Claims. (Cl. 62-126)



1. In a vacuum plate adapted for use in refrigeration, and adapted to resist heavy pressures, a coil structure including a plurality of parallel rectilinear duct lengths and connecting bends, said rectilinear lengths being generally rectangular in cross section and having outwardly plane top and bottom walls and connecting outwardly plane side walls perpendicular thereto, all of said top walls having outer faces lying in substantially the same plane and all of said bottom walls having outer faces lying substantially in a single plane parallel to said first plane, a housing including walls sealed together around their edges, each said wall abutting against the plane surfaces of one side of said coil structure, and means for maintaining a partial vacuum in the space within said walls and about said coil structure sufficient to maintain said walls firmly pressed against, and in intimate contact with, the opposed generally plane top and bottom surfaces of the coil, said parallel rectilinear duct lengths being sufficient in number and being sufficiently closely spaced to form a reinforcement for said housing walls, and to maintain the outer surfaces of said housing walls generally plane.

2,436,390

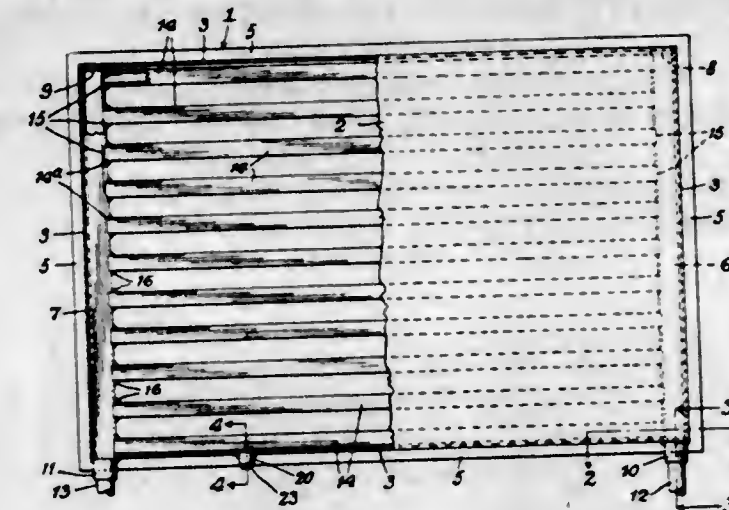
VACUUM PLATE

Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Company, Chicago, Ill., a corporation of Illinois

Application March 18, 1946, Serial No. 655,338
5 Claims. (Cl. 62-126)

1. In a vacuum type cold plate, an outer housing including parallel flexible sheet metal side walls sealed together about their edges in gas tight relationship, the interior of said housing being partly exhausted, an evaporator structure in

the space surrounded by said walls, including headers and evaporator tubes extending between said headers, and inlet and outlet ducts for said headers, the outer surfaces of said sheet metal side walls lying in parallel planes, said headers and tubes having flat surfaces opposed to the in-



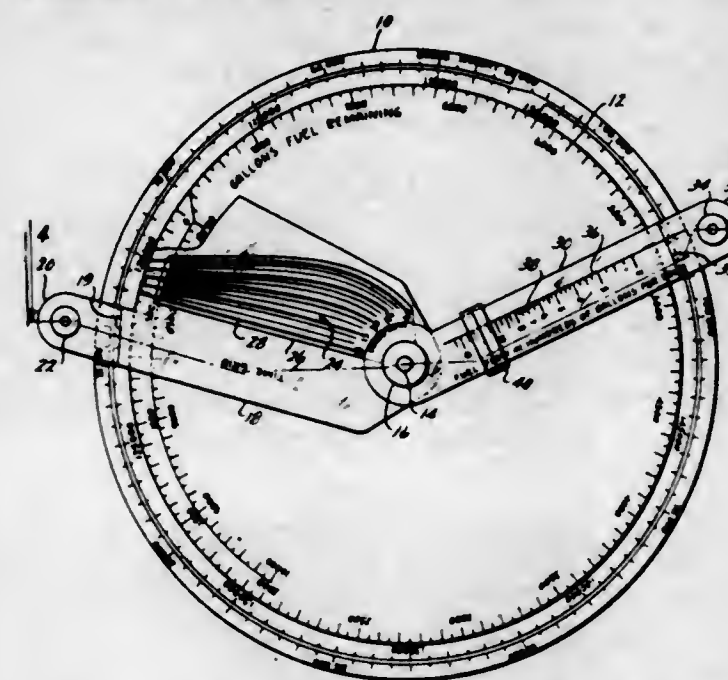
ner faces of said side walls, the number and spacing of evaporator tubes in the partly exhausted interior of the housing being sufficient to maintain the exterior surfaces of the side walls in substantially parallel planes, said tubes being rectangular in transverse cross-section.

2,436,391

CRUISE CONTROL COMPUTER

Ervin Leshner, Philadelphia, Pa.
Application March 22, 1946, Serial No. 656,238

4 Claims. (Cl. 235-78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cruise control computer which comprises an opaque lower disc, a "gross weight" scale circumferentially equally spaced along the outer edge of said lower disc, a concentric opaque upper disc of smaller diameter, a "gals fuel" scale circumferentially equally spaced along the outer edge of said upper disc, one unit on said "gals fuel" scale being equal in angular spacing to six units on said "gross weight" scale, means to lock said discs against relative rotation, a transparent cursor pivotally supported at the center of said discs, means to lock said cursor against rotation with respect to said lower disc, a zero line extending radially from a point near the center of said cursor to said "gals fuel" graduation, a "time grid" graduation comprising a series of curved lines adjacent the zero line extending inward from the "gals fuel" graduation to points near the center of said discs, said transparent cursor having an opaque portion upon which the zero line and the curved lines are

placed, a second transparent cursor pivotally supported at the center of said discs superimposed on the first cursor, means to lock said second cursor against rotation with respect to said lower disc, an index line on the second cursor extending radially from a point near the center to the outer edge of the lower disc, contact portions carried on the cursors operative, when the cursors are brought alongside, to align the said zero line with the said index line, a logarithmic scale progressing radially inward along the said index line, and a transparent runner on said second cursor movable radially therealong and having a hairline alignable with the graduations of said logarithmic scale, the curved lines of the "time grid" being so plotted that the hundreds of gallons per hour set up on the "fuel flow" scale times the fraction of an hour set up on the "time grid" will equal the gallons of fuel on the "gals fuel" scale between the zero line of the first cursor and the index line of the second cursor.

2,436,392

PLOTING BOARD AND PROTRACTOR SQUARE

Ervin Leshner, Philadelphia, Pa.

Application March 22, 1946, Serial No. 656,239

2 Claims. (Cl. 33-76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a plotting board, a T-square, a channel shaped rail secured to the board along one edge, and a guide and clamping part extending downward from the underside of the head of said T-square into the channel of said rail, said guide and clamping part bearing tightly near the top edge of that side of the channel which is nearest the board and nearer the bottom on the other side of the channel, whereby said T-square is locked against movement on said board when said T-square lies flat on said board and free to move on said board when the outer end of the head of said T-square is tilted downwardly.

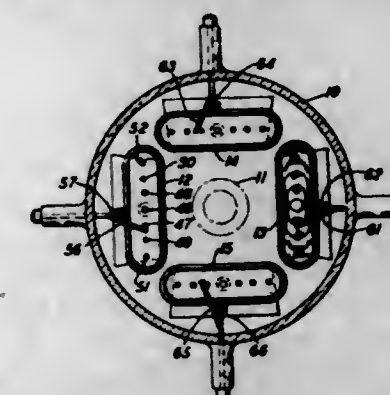
2,436,393

CATHODE-RAY TUBE WITH DISCHARGE TO DEFLECTING PLATES

John B. Maggio, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 29, 1944, Serial No. 570,287

7 Claims. (Cl. 315-2)



1. In a space current device, means for amplifying signal energy, said means including a cathode, an anode and a control element for controlling a discharge between said cathode and anode to thereby vary the potential of said anode with

respect to a fixed potential, means for generating a beam of charge particles and for directing it in a path which passes near but does not touch said anode, whereby said beam is given a deflection which varies with the said variation in potential of said anode; and means upon which said electrons impinge after they pass said anode.

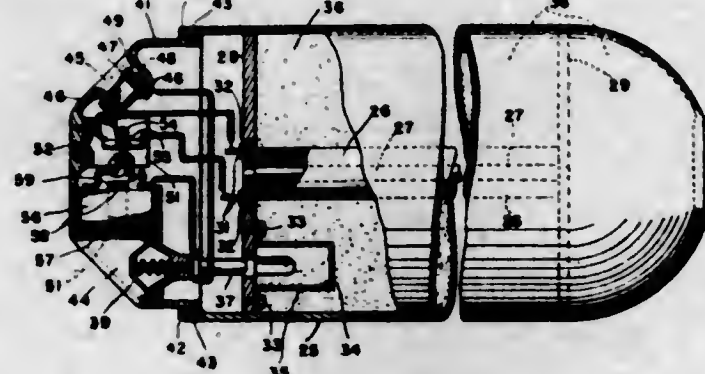
2,436,394

MAGNETIC DETECTOR

Wilson R. Maltby, Washington, D. C., and Robert H. Park, Pluckemin, N. J.
Application June 6, 1941, Serial No. 396,960

9 Claims. (Cl. 102-18)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



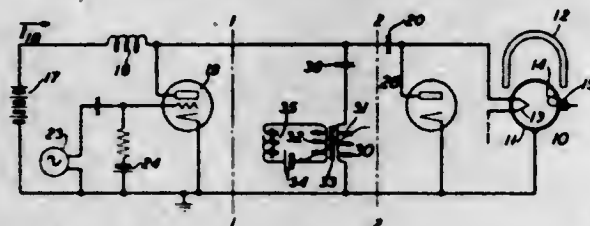
1. In a device of the character disclosed for remotely detecting the approach of a ship containing magnetic material, a search coil arranged within a magnetic field within which the ship moves and extended substantially throughout the length of the device, a linear bar of magnetic material disposed within said coil and adapted to engage lines of force which are substantially straight and parallel to said bar in the vicinity thereof, and flux gathering flanges in magnetic engagement with the ends respectively of the bar, said flanges extending laterally from the bar a distance substantially half the length of the bar whereby the flux within the bar is substantially uniform throughout and engages the search coil substantially uniformly throughout the length thereof.

2,436,395

PULSE GENERATOR

Jack M. Manley, East Orange, N. J., and Eugene Peterson, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 14, 1943, Serial No. 502,282

7 Claims. (Cl. 171-97)



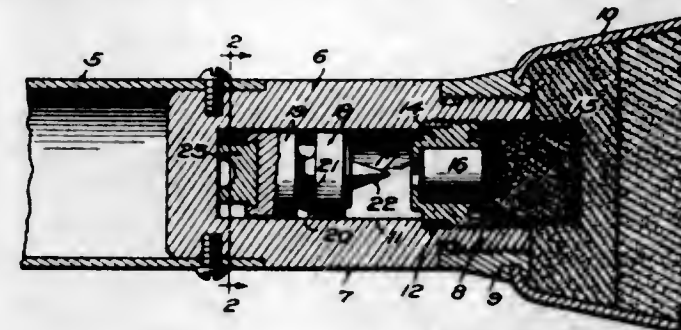
7. In an impulse generator for supplying a unilateral conducting load circuit, a source of direct current, a storage capacitor, an inductor having a readily saturable magnetic core of high permeability and flux densities below saturation, circuit connections for providing a path for the discharge of said capacitor to said load circuit through said inductor including a blocking capacitor, switching means for intermittently establishing a path for the flow of current from said source through an inductive circuit whereby said capacitor is charged by the surge developed upon the interruption of said path, and means for so polarizing said core that during the period

of charging said capacitor the magnetization varies from substantially the saturation point in one direction to the saturation point in the opposite direction.

2,436,396

INERTIA ACTUATED MAGNETIC FUZE FIRING PIN

James F. McCaslin, Cleveland, Ohio
Application March 6, 1945, Serial No. 581,261
1 Claim. (Cl. 102-73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

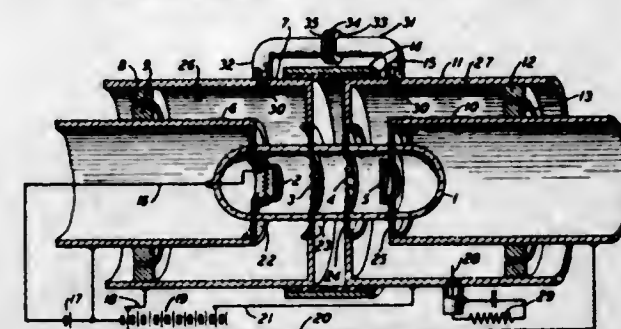


A projectile fuze comprising a housing of non-magnetic material, a primer charge disposed at the forward end of the said housing, the rearward end of said housing having an opening, a plug of magnetic material secured in said opening, a firing pin slidably engaged within the said housing and a permanent magnet secured to the said firing pin and engageable with said plug whereby said firing pin is held by magnetic attraction to said plug at the rearward end of said housing opposite that occupied by the said primer charge and is restrained in its longitudinal movement within the said housing, said firing pin being responsive to deceleration of the fuze upon impact to move forward against the attraction of the magnet to actuate the primer charge.

2,436,397

Jack A. Morton, Warren Township, Somerset County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 8, 1942, Serial No. 454,112

14 Claims. (Cl. 315-6)



1. A high frequency oscillator circuit comprising an electron discharge tube containing at least four planar electrodes namely an electron emitting cathode, a plate electrode, a first grid electrode between the cathode and the plate electrode and a second grid electrode between the first grid electrode and the plate electrode, a high frequency circuit comprising a substantially closed electrical resonator system comprising coaxial conducting members external to the said electron discharge tube and which includes the electron emitting surface of the cathode and the first grid electrode, a second high frequency circuit comprising a substantially closed electrical resonator system comprising coaxial conducting members external to the electron discharge tube and which includes the plate electrode and the second grid electrode and means for causing a flow of electrons along

at least a portion of a path extending between the cathode and the plate electrode comprising a source of electric potential connected to each of the said electrodes and to at least one other said electrode whereby suitable potential differences are maintained between the various electrodes, the potential differences being such that the potential of the second grid electrode is maintained positive with respect to the cathode and to the other two electrodes and also such that the electron transit time between the second grid electrode and the plate electrode is substantially the period of one-half cycle of the resonant frequency of the second high frequency circuit.

2,436,398

ULTRA HIGH FREQUENCY OSCILLATOR
Jack A. Morton, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 28, 1943, Serial No. 500,321

6 Claims. (Cl. 315-4)

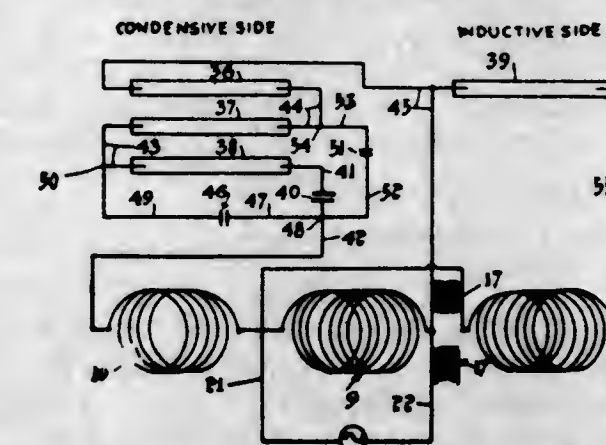


1. A regenerative electron tube oscillator comprising, an electron tube having an electrode enclosing part including a cathode and two cold electrodes, and a single cavity resonator which, in combination with the interelectrode capacitances of the tube, constitutes a parallel resonance inductor-capacitor circuit for determining the frequency of said oscillator, at least the electrode enclosing part of said tube being within said resonator and constituting a closure means at one end thereof, the cathode being connected to said end, a substantial portion of the inductor-capacitor circuit being directly coupled between said cathode and one of said cold electrodes and the other cold electrode being connected to the inductor portion of said resonator intermediate the above said connection points of the cathode and first-mentioned cold electrode.

2,436,399

FLUORESCENT TUBE LIGHTING SYSTEM
Max Nathanson, Montreal, Quebec, Canada
Application August 24, 1946, Serial No. 692,906

7 Claims. (Cl. 315-323)



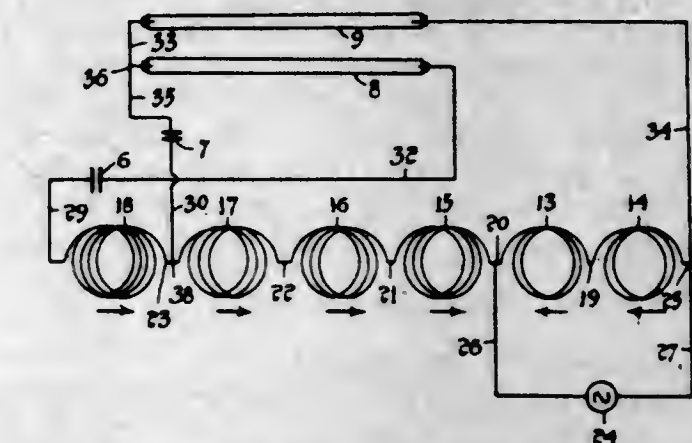
1. In a fluorescent tube lighting system, a source of alternating current energy, a plurality of fluorescent tubes connected in series with each other across said source, and a high by-pass impedance connected respectively to one terminal of said source and to a series connection between adjacent tubes, and a low impedance in series with all of said tubes and connected to the same terminal of said source as the first impedance,

the impedances being in series across one of said tubes and being of such values that after the remainder of said tubes have become conductive the break-down voltage will be applied to said one of said tubes, all of said tubes being operated in series with each other at a voltage substantially lower than the sum of the break-down voltages required for each tube.

2,436,400

FLUORESCENT TUBE LIGHTING SYSTEM
Max Nathanson, Montreal, Quebec, Canada
Application March 20, 1947, Serial No. 736,009

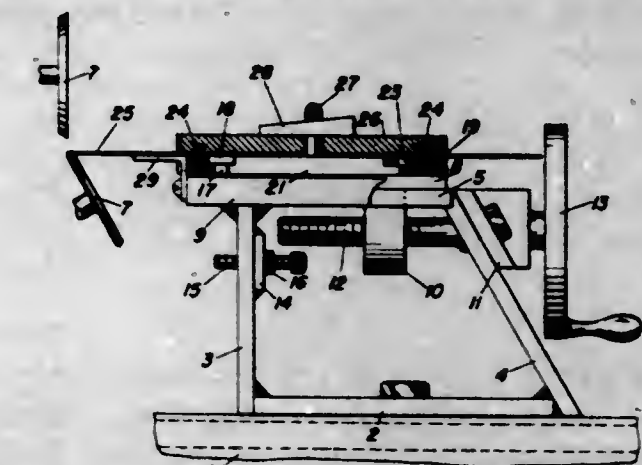
2 Claims. (Cl. 315-278)



1. In a fluorescent tube lighting system, a source of alternating current energy having a plurality of voltage connection terminals including end terminals and an intermediate terminal, a plurality of fluorescent tubes connected in series with each other across said source, and a high by-pass impedance connected respectively to said intermediate terminal of the said source and to a series connection between adjacent tubes, and a low impedance in series with all of said tubes and connected to one of said end terminals of said source, the impedances being in series across one of said tubes, and being of such values that after the remainder of said tubes have become conductive the break-down voltage will be applied to said one of said tubes, all of said tubes being operated in series with each other at a voltage substantially lower than the sum of the break-down voltages required for each tube.

2,436,401

CUTTING MACHINE ATTACHMENT
Russell D. Petersen, Bremerton, Wash.
Application October 16, 1945, Serial No. 622,661
3 Claims. (Cl. 164-63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



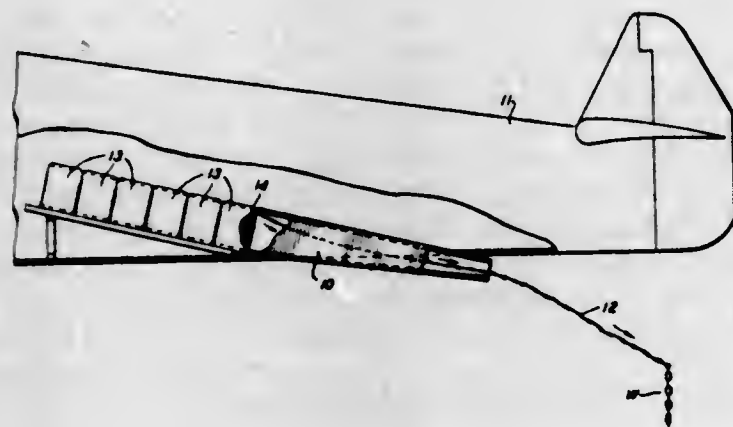
1. In a device of the character described, a frame, a bed supported on said frame, means for adjusting the bed longitudinally with respect to the frame, a guide pin on said bed having an enlarged and substantially straight sided head elongated in a direction transverse to the direction of adjustment of said bed, a pair of transversely spaced brackets on said bed, and

an adapter movably supported on said bed and including a plate having an elongated slot slidably receiving said pin, the width of the head of said pin approximating the width of said slot, whereby engagement of the head within the slot guides movement of the adapter to straight paths transverse to the direction of adjustment of said bed, said plate having surface portions cut away adjacent the ends of said slot adapted to rotatably receive the head of said pin to permit rotary movement of the adapter when the adapter is at an end of its path of straight travel, said brackets cooperating with the side edges of said plate to limit rotary movement of the adapter, said adapter having means adapted to secure a sheet of material therein, said last named means comprising an upstanding loop formed on said plate, a second plate of substantially similar outline to said first named plate and having a slot adapted to receive said loop, and a wedge element adapted to fit under said loop to secure said second named plate on said first named plate.

2,436,402

METHOD OF LAYING COMMUNICATION LINES

Ralph K. Potter, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 8, 1944, Serial No. 553,272
2 Claims. (Cl. 175-376)



1. The method of laying communication wires from airborne vehicles which comprises storing in echelon aboard the vehicle suitable containers each housing a preformed package of wire, splicing the lengths of wire in the packages to form a continuous unbroken length of wire, securing to the starting end of the length of wire so formed a suitable weight, throwing said weight into space to accurately position the wires as they come to rest, and paying said wires by the forward motion of said vehicle uninterruptedly out of said vehicle from the first and succeeding packages through a suitable guide as said vehicle traverses a predetermined course at high speed.

2,436,403

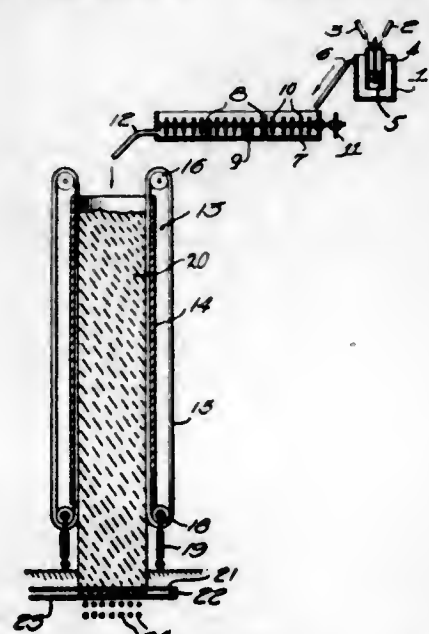
APPARATUS FOR THICKENING HYDROSOLS

Howard H. Reynolds, Belmont, Mass., assignor to The Davison Chemical Corporation, Baltimore, Md.

Application June 20, 1945, Serial No. 600,501
3 Claims. (Cl. 252-359)

1. An apparatus for treating an inorganic oxide hydrosol to thicken the same, comprising a horizontal open trough, a plurality of weirs dividing the trough into compartments, means for introducing a hydrosol into one end of the trough, said weirs being of varying heights decreasing

from the inlet to the discharge end of the trough, and movable agitators within the trough for

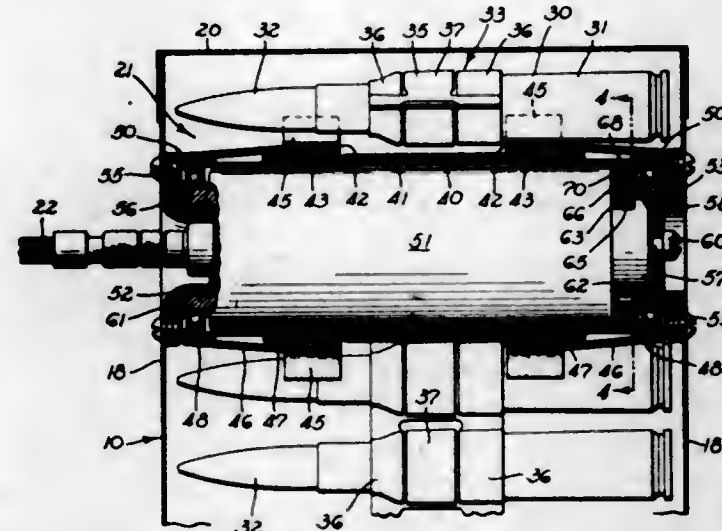


agitating the hydrosol in the several compartments.

2,436,404

AMMUNITION BOOSTER FOR AUTOMATIC GUNS

Claude C. Slate, Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application May 27, 1942, Serial No. 444,755
13 Claims. (Cl. 89-33)



1. In a booster device of the character described, the combination of: a cylindrical primary rotary means providing a motor cavity; a cylindrical secondary rotary means journaled on said primary rotary means, said secondary rotary means being adapted to engage a device to be driven thereby; resilient means yieldingly interconnecting said two rotary means; a motor in said motor cavity; and means operatively connecting said motor in driving relation with said primary rotary means, said motor being housed in the primary rotary means.

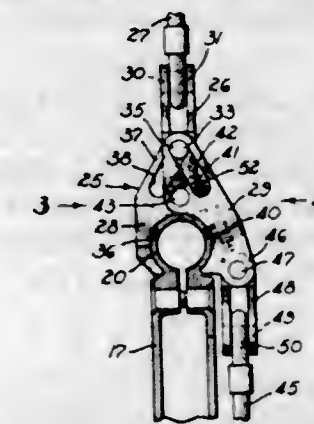
2,436,405

MEANS FOR ENGAGING AND HOISTING BOMBS AND OTHER OBJECTS

Claude C. Slate, Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application September 16, 1942, Serial No. 458,605
20 Claims. (Cl. 89-1.5)

1. A hoisting implement of the character described, comprising: support means; a pair of jaws pivotally interconnected for opening and closing movement about a pivot axis, each of said jaws having a portion extending beyond said axis and having a slot in said portion, said slots of the two jaws crossing each other and being in

sliding engagement with said support means whereby a hoist load imposed on said support means by the two jaws tends to hold the jaws

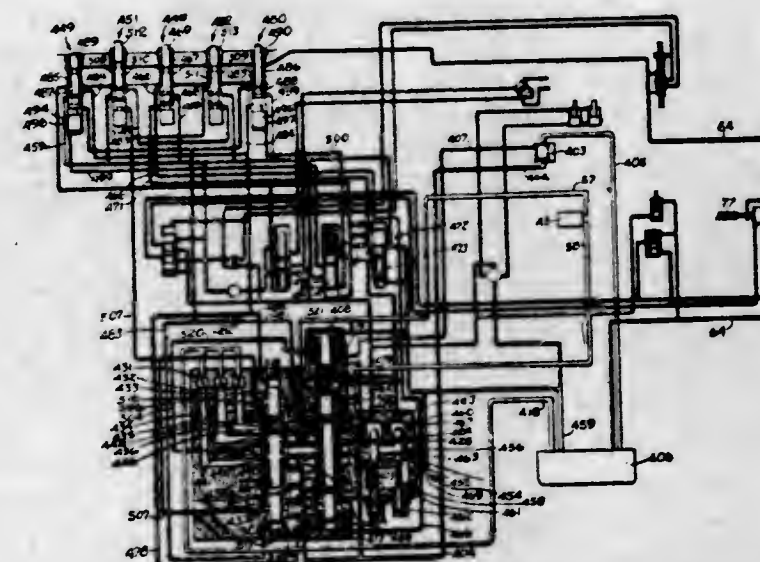


closed; and elastic means interconnecting said support means and one of said jaws to urge said two jaws to open position.

2,436,406

HYDRAULIC TRANSMISSION FOR MACHINE TOOLS

Ira J. Snader, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Original application December 2, 1937, Serial No. 177,693, now Patent No. 2,251,961, dated August 12, 1941. Divided and this application August 3, 1940, Serial No. 351,040
10 Claims. (Cl. 121-45)

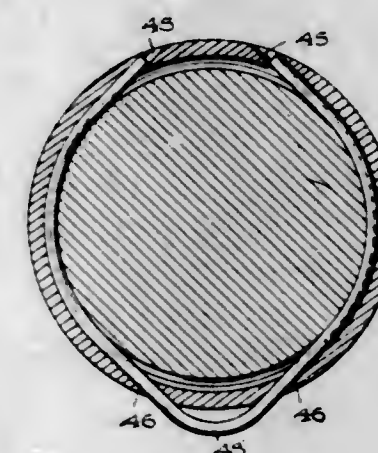


1. A hydraulic operating mechanism for a reversible machine element comprising, in combination, a reversible motor having inlet and outlet motor lines for driving said element at selected feed and rapid traverse rates of movement in both directions, an exhaust line, a fluid pressure supply line, a direction control valve reversibly adjustable into opposite limit positions to connect said motor lines respectively and reversibly to said pressure and exhaust lines and movable into an intermediate stop position to interconnect said motor lines and said exhaust line, three independently adjustable flow restriction orifices arranged in parallel, an orifice selection valve reversibly adjustable into opposite limit positions to connect one or the other of two of said orifices respectively in said exhaust line, and adjustable into intermediate position to connect the third orifice in said exhaust line, and means automatically operable upon movement of said element into different predetermined positions to adjust said selection valve respectively to connect one of said orifices for control of the feed rate of said element in one direction of movement, another of said orifices for control of said feed rate in the other direction of movement, and the third of said orifices for control of the rapid traverse rate of said element in either direction of movement.

2,436,407

FLUID-TIGHT JOINT

William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1945, Serial No. 572,031
3 Claims. (Cl. 220-46)

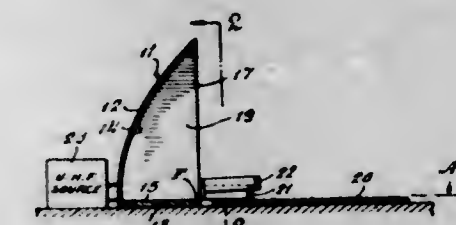


3. A readily separable fluid-tight connection between partially telescoped parts comprising a thick straight walled cylinder and a rigid, thick walled head for the same, a channel of non-circular section cut into one of the confronting surfaces, a resilient packing ring of circular section compressed in said channel to deform into contact with the other surface, a groove of semi-circular section preformed in each of said surfaces and more remote from the cylinder interior than the packing ring, said grooves cooperating to form a circular tunnel and a smooth cylindrical wire substantially filling said tunnel to secure the parts together, the outer of the telescoped parts being provided with two pairs of closely spaced, opposite directed bores tangential to said tunnel, said pairs being disposed substantially 180° apart for the introduction and removal of said wire.

2,436,408

RADIO WAVE REFLECTING TRANSDUCER SYSTEM

Gerold L. Tawney, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application May 27, 1943, Serial No. 488,695
30 Claims. (Cl. 250-11)



1. A reflecting transducer system comprising a concave reflector having beam forming surface portions producing a directive axis, means mounting said reflector with its directive axis substantially at ground level, and electromagnetic wave energy translation means positioned adjacent said axis for cooperation with said reflector.

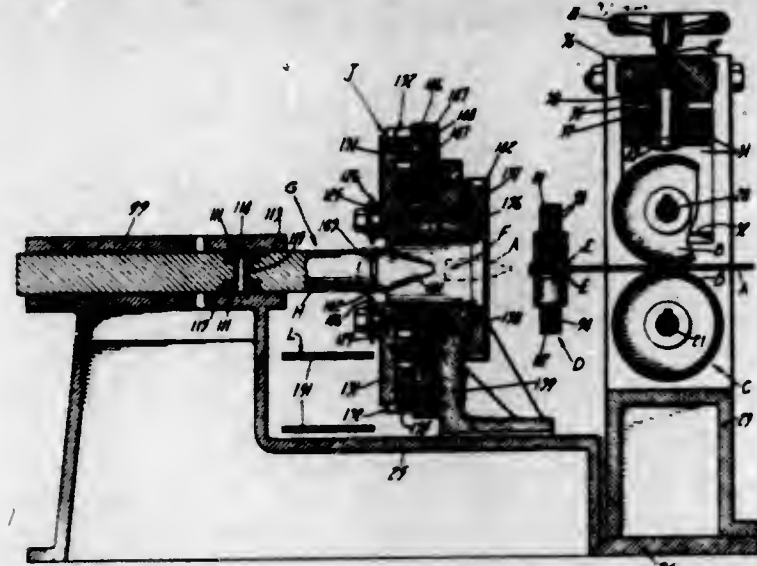
2,436,409

MACHINE FOR MAKING CAN BODIES FROM FLATTENED TUBING

Ivan D. Thornburgh, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1943, Serial No. 512,830
9 Claims. (Cl. 153-2)

1. In a machine for making can bodies from tubing that has been flattened into double walled

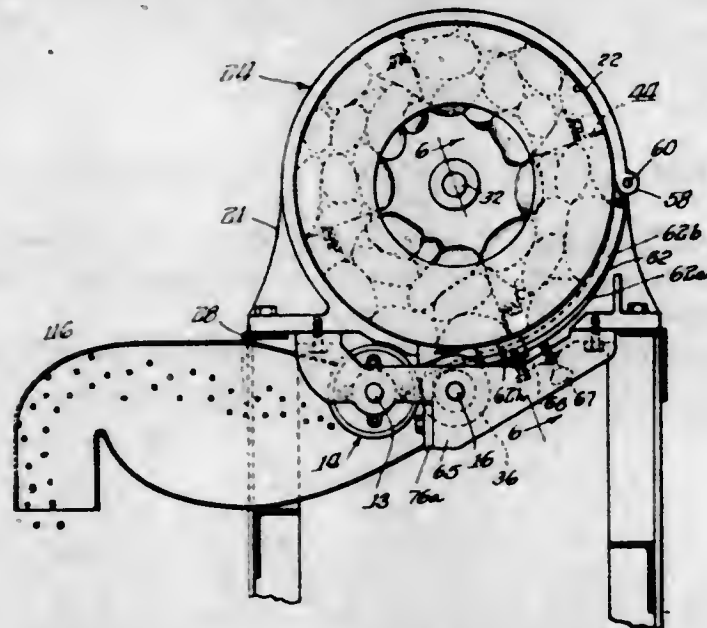
ribbon form for convenience in shipment and storage, the combination of means for spreading apart the walls of the flattened tubing adjacent one end thereof to open the tubing, a retractable support element for receiving and supporting the opened end of the tubing, cutter devices for sev-



ering a length of said tubing while on said support element to produce a partially formed can body, and actuating means for withdrawing said support element from the severed length of said tubing to release the partially formed can body for subsequent operations.

2,436,410 ADJUSTABLE CASING FOR ROTARY DRUM TYPE FRUIT AND VEGETABLE DICING MACHINES

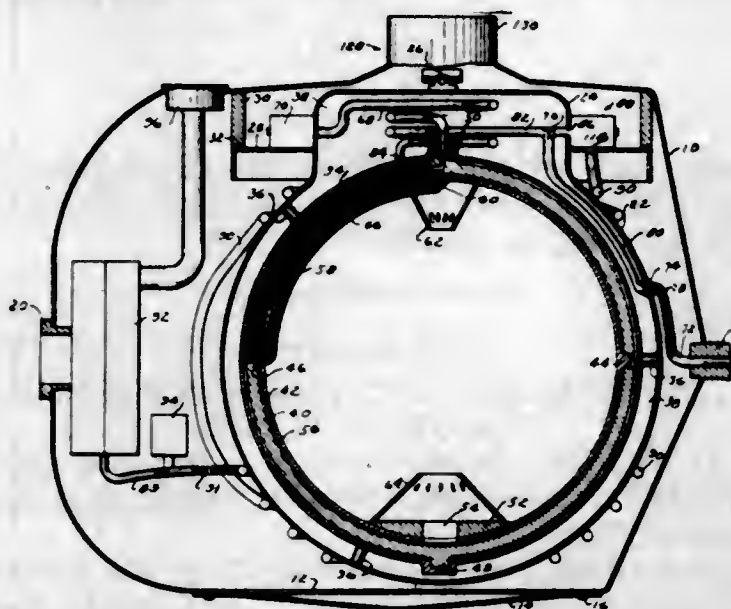
William E. Urschel and Joe Richard Urschel,
Valparaiso, Ind.
Application December 17, 1942, Serial No. 469,276
7 Claims. (Cl. 146-164)



1. In a machine of the class described, in combination with a cylindrical casing adapted to contain a quantity of material to be sliced, a drum adapted to rotate within said casing to centrifuge the material against the inner wall of said casing, a portion of the periphery of said casing having a shiftable arcuate sector adapted adjustably to shift relatively to the remaining portion of the inner wall of said casing, means for so adjusting said sector, means for stationarily mounting a slicing knife opposite to and facing the outer free end of said arcuately swingable portion of said casing whereby upon centrifuging said material to slice a section from the material, and means cooperating with said adjustably shiftable casing sector and adjustable relatively thereto and the peripheral walls of said drum whereby the space between said arcuate portion and the periphery of the rotating drum is maintained at all times to proper

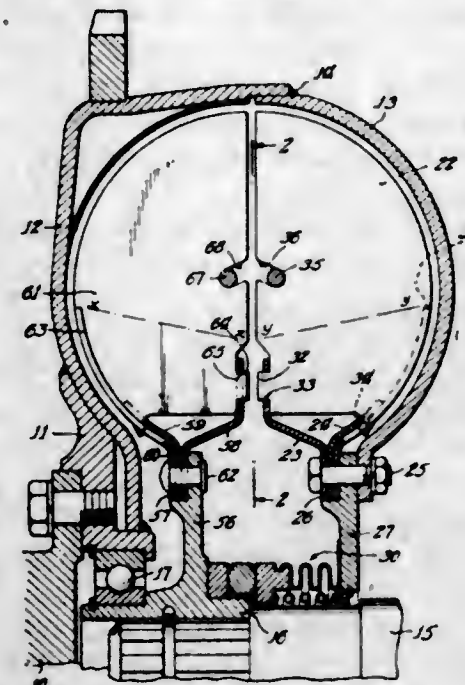
running clearance regardless of the thickness of the slice said means preventing the lateral discharge of material from the opening between the drum and the side walls of the sector.

2,436,411 PORTABLE LIQUID OXYGEN UNIT John A. Weaver, Detroit, Mich. Application December 11, 1945, Serial No. 634,329 11 Claims. (Cl. 62-1) (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a portable unit for storing liquid phase oxygen and controlling its conversion into gas phase oxygen, a heat insulated oxygen containing means, a relief valve, a passageway connecting the upper portion of said oxygen containing means to said relief valve, a pressure responsive valve having an inlet and an outlet opening, a passageway connecting the lower portion of said oxygen containing means to said inlet opening, a warming coil outside said oxygen containing means having one end connected to said outlet opening and the other end connected to a demand regulator, said pressure responsive valve being closable by a predetermined rise in pressure in said warming coil, and a second relief valve connected into said warming coil.

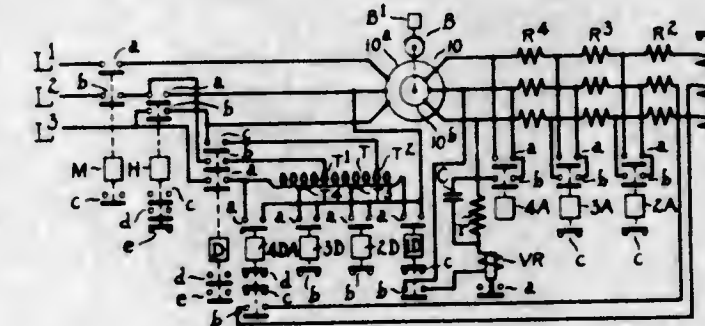
2,436,412 FLUID COUPLING Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois Original application April 5, 1941, Serial No. 387,019. Divided and this application April 26, 1945, Serial No. 590,349 7 Claims. (Cl. 103-115)



6. In a hydraulic torque transmitting device having a housing of toroidal section, a rotary ele-

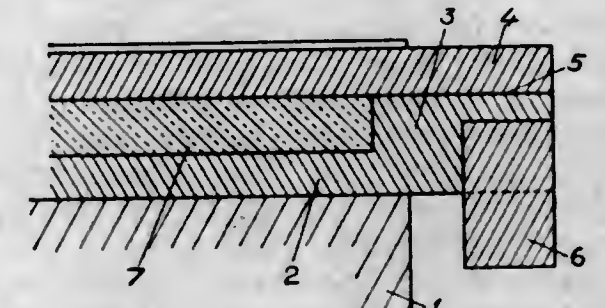
ment in said housing having a plurality of vanes drivingly associated therewith, in combination with a radial flange on said rotary element, and a hub member for supporting said vanes, said hub member comprising diverging washers drivingly connected to said flange, at least one of said washers being slotted, and said vanes having means cooperating with the slots to effect the driving connection between the vanes and rotary element, said vanes having other means adapted to overlie the other of said washers and anchored thereto.

2,436,413 CONTROLLER FOR ALTERNATING- CURRENT MOTORS Ralph P. Anderson, Cleveland, Ohio, assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware Application April 8, 1943, Serial No. 482,273 25 Claims. (Cl. 172-152)



1. The combination with an alternating current motor for lowering loads varying between an overhauling value and a non-overhauling value, of means for controlling said motor through control of its secondary circuit, and means to connect said motor to a supply source and to effect voltage unbalance of the primary of said motor, said two means affording means to be set for different predetermined actions of said motor in lowering according to the setting of said means thereby to provide different lowering speeds selectively, said motor for the slowest lowering speed being caused by said means to produce a torque opposing lowering of all loads but following a curve such as to insure against hoisting operation at minimum load.

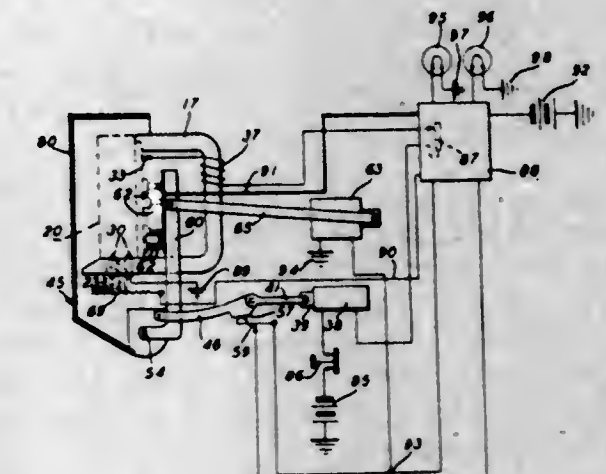
2,436,414 ROTOR FOR ASYNCHRONOUS MACHINES Helge Arnemo, Vasteras, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden Application May 9, 1944, Serial No. 534,734 In Sweden October 25, 1943 2 Claims. (Cl. 172-120)



1. In an electric slip coupling for ship propulsion, a solid iron bar rotor body having bars for the short-circuit winding comprising a lower bar of a material of low specific resistance, an upper bar of a material of high specific resistance spaced from the lower bar, distance pieces joining the adjacent ends of the lower and upper

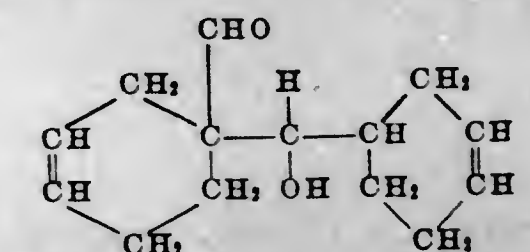
bars to each other and so located that the length of the space between the bars is approximately the same as the axial length of the rotor iron, a bar of a solid magnetic material in said space, and at least one thinner filling band of a metallic nonmagnetic material flanking the bar in said space.

2,436,415 ELECTRICAL TESTING APPARATUS Edwin Arnold, Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York Application October 19, 1943, Serial No. 506,847 7 Claims. (Cl. 175-183)



1. A testing apparatus comprising a support for an article to be tested, a cover for the article, means to support the cover for movement into a closed position, to cover the article on the support, and into an open position away from the support and article, electrically operable means adapted, when energized, to move the cover into its closed position, and means actuable by the article when disposed on the support to cause energization of the said operable means.

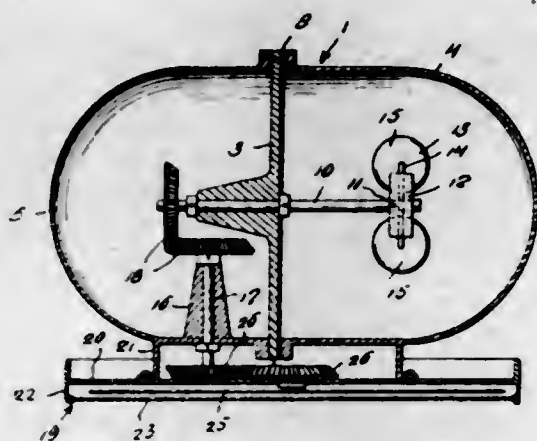
2,436,416 Δ³-TETRAHYDROBENZALDOL Joseph E. Bludworth, Corpus Christi, Tex., and Donald P. Easter, Washington, D. C., assignors to Celanese Corporation of America, a corporation of Delaware No Drawing. Original application January 22, 1944, Serial No. 519,352. Divided and this application April 25, 1946, Serial No. 664,981 1 Claim. (Cl. 260-598) As a new compound, Δ³-tetrahydrobenzaldol,



2,436,417 INCLINOMETER John F. Bogen, San Diego, Calif. Application June 29, 1944, Serial No. 542,724 2 Claims. (Cl. 33-215)

1. An inclinometer comprising a housing including a pair of complementary sections, a partition between said sections providing a pair of chambers, a shaft journaled in the partition and projecting into the chambers, a shaft journaled in one of the chambers at right angles to the first named shaft, gears operatively connecting said

first named shaft to said second named shaft, an indicator mounted on the housing, said indicator including a dial, a shaft journaled in said dial, a pointer fixed on the third named shaft and cooperable with the dial, gears operatively connecting the second named shaft to the third named shaft, and gravity operated means on the

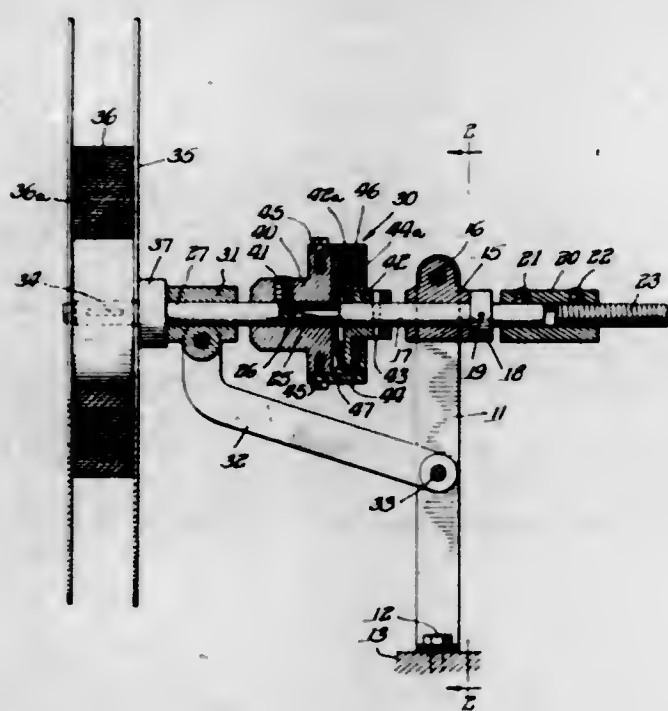


first named shaft in the other chamber for actuating said first named shaft, said means including a bearing fixed transversely on the first named shaft, a substantially U-shaped shaft having an intermediate portion journaled in the bearing, and weights on the end portions of said substantially U-shaped shaft.

2,436,418

WINDING MECHANISM

Arthur J. Bradford, Chicago, Ill., assignor, by mesne assignments, to Motion Picture Engineering Corporation, a corporation of Illinois
Application September 23, 1943, Serial No. 503,464
16 Claims. (Cl. 242—55)

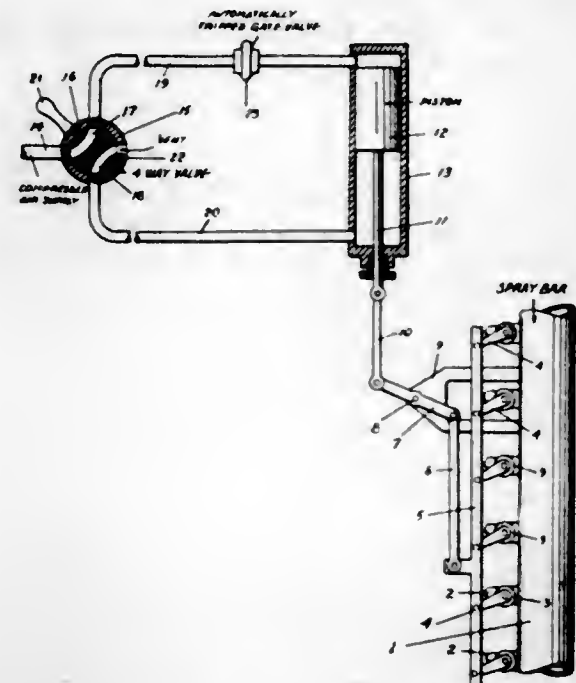


1. A winding mechanism comprising a driving shaft adapted to be connected to a source of driving power, a driven shaft, a friction clutch connecting said driving and driven shafts, a reel mounted upon the driven shaft upon which an elongated strip of material is adapted to be wound and accumulated, a fixed bearing bracket within which the driving shaft is rotatably supported, a shiftable bearing within which the driven shaft is rotatably mounted, a fixed member, and a link pivotally connecting said fixed member and shiftable bearing, said reel and driven shaft being movable axially in response to the weight of the accumulated material upon the reel to control the action of the clutch to thereby control the strip tension during the winding operation.

2,436,419
AUTOMATIC VALVE-ACTUATING MECHANISM

Horace A. Cartwright, Gallon, Ohio
Application November 27, 1943, Serial No. 511,986
3 Claims. (Cl. 299—34)

1. In portable vehicle apparatus for distributing bituminous materials on road surfaces, a receiver for such materials having an outlet, a spray bar communicating with the outlet, said bar being provided with a plurality of valve-controlled discharge nozzles, motion-transmitting means uniting the valves of said nozzles for simultaneous operation, a cylinder, a piston slidably mounted in said cylinder, a rod movable with said piston and extending exteriorly of said cylinder for connection with said motion-transmitting means, means for delivering an operating fluid under



pressure to either end of said cylinder, said means including a manually controlled valve and an automatically operated valve, and a movable actuating lever depending from said automatic valve, said lever being disposed for physical engagement with a road-positioned trip device which is cooperative with said lever to effect the opening of said automatic valve while the apparatus is in linear motion on the road surface.

2,436,420

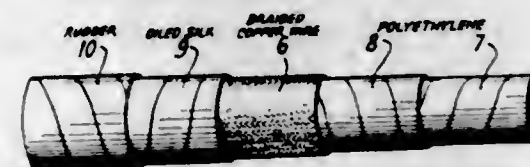
METHOD OF COATING FERROUS METAL ARTICLES WITH CORROSION-RESISTANT PLASTIC

Erith T. Clayton, Baltimore, Md.
No Drawing. Application December 29, 1943,
Serial No. 516,088
1 Claim. (Cl. 117—75)

A method for cladding ferrous metal surfaces under atmospheric pressure and temperature conditions so as to render the same corrosion proof and capable of withstanding without damage strains resulting from dimensional changes in the metal caused by bending or other deformations including coating a ferrous metal base with a layer comprising coarse zinc dust substantially free from oxides, the particles size averaging about 200 mesh, said dust being incorporated in an air-drying oil-modified polyhydric alcohol-polycarboxylic acid resin to form an intermediate penetrable bonding layer having a roughened surface, then applying a coating of a cashew nut shell liquid-paraformaldehyde reaction product that is polymerizable at atmospheric temperatures, which coating penetrates the first applied intermediate bonding layer, and drying the composite coating to polymerize both the first coating and the final coat on the base.

2,436,421
FLEXIBLE WAVE GUIDE FOR ULTRA HIGH FREQUENCY ENERGY

Edward Cecil Cork, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application May 12, 1943, Serial No. 486,715
In Great Britain February 3, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 30, 1962
7 Claims. (Cl. 178—44)

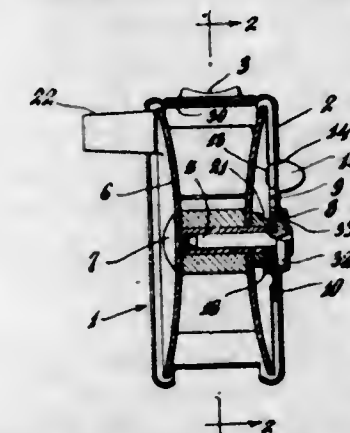


1. A flexible wave guide for the transmission of ultra high frequency energy comprising a single hollow conductor, said hollow conductor being composed of a plurality of conductive strands braided and individually insulated from one another in order to reduce ultra high frequency losses, a layer of oiled silk surrounding said hollow conductor, and a flexible strip of insulating material of low energy loss at ultra high frequency, said flexible strip being wound into a tubular form and located inside said hollow conductor for supporting it.

2,436,422

TROUT REEL

Francis Dashman, New York, N. Y.
Application May 7, 1946, Serial No. 667,873
2 Claims. (242—84.6)



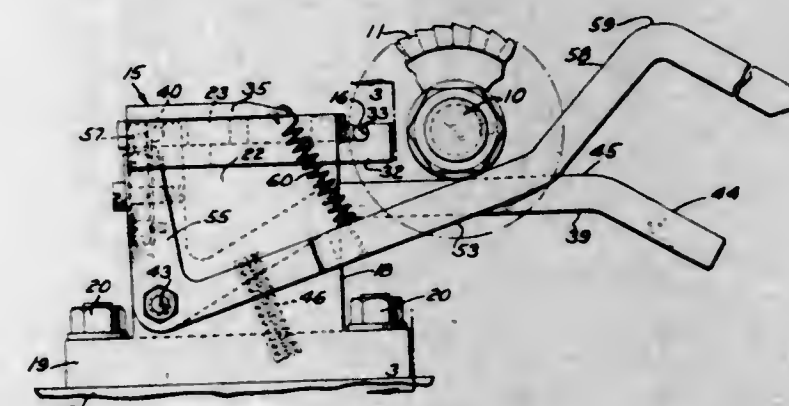
1. In a device of the character described, a circular reel case having a vertical wall and a circular perforated horizontal wall which is bulged outwardly at both extremities so as to form two annular grooves between which there is a circular rim portion, a spindle extending from the center of said vertical wall into said case, a reel having diverging concavo-convex flanges being rotatably carried by said spindle and having at one side a hub which is provided with an annular groove and with a ratchet wheel, a latch pivotally attached to the interior of said case and adapted to engage said annular groove, a threaded pin secured to said latch and extending through a slot which is in an outwardly bulged portion of said vertical case wall, a lock nut screwed upon that portion of said pin which protrudes over the outer side of said vertical wall, a knob having a stud which is extended from the outer side of said vertical wall through a radial slot in the latter into said case, a pawl being adapted to engage said ratchet wheel and being pivotally secured to that portion of said stud which projects over the inner surface of said vertical wall, a pair of resilient arms attached to the inner side of said vertical wall and pressing with their extremities upon two opposite sides of said pawl, a collar ring attached to the outer side of the circular horizontal

wall of said case by means of a ring frame in such a manner that it is in spaced relation to that radial perforation through which the fishing line passes, and a reel seat being secured to the outer side of said case and being adapted to connect said case to a fishing rod, the outer diameter of said reel flanges being substantially the same as the inner diameter of the rim portion of said circular horizontal wall so that said reel cannot revolve without overcoming some frictional resistance between the rear reel flange and said rim unless the periphery of the reel flanges is adjacent said outwardly bulged annular grooves in said circular wall portion, all substantially as described.

2,436,423

MATERIAL WORKING APPARATUS

Frank Dowd, Belleville, and William J. Keller, Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1944, Serial No. 542,454
11 Claims. (Cl. 90—18)

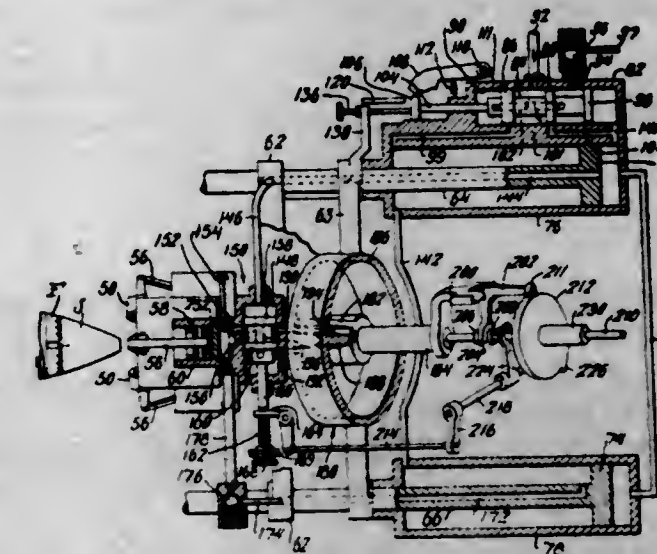


1. A material working apparatus comprising a rotatable material working element, a spindle therefor rotatable about a fixed axis, and a unit, for feeding material to the element, mounted for movement relative thereto through successive operating cycles, relatively movable clamping members in the unit, and a cam-like element movable with the unit relative to the spindle and actuated thereby to cause relative movement of the clamping members to cause clamping of the material during a given portion of each operating cycle.

2,436,424

FLUID-PRESSURE-OPERATED MECHANISM

Fred C. Eastman, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 28, 1942, Serial No. 456,564
17 Claims. (Cl. 89—6)

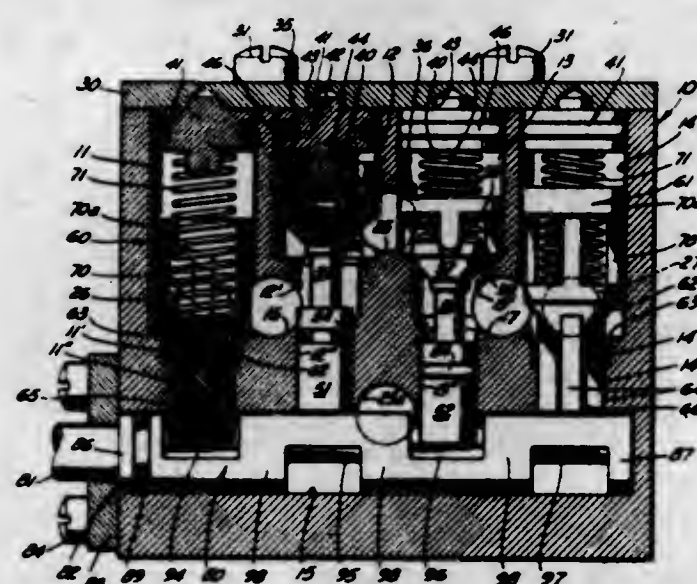


2. In a machine for operating on work pieces, a work-engaging member, fluid-pressure means

for moving said work-engaging member into engagement with a work piece, fluid-pressure means for turning said work-engaging member while it is in engagement with said work piece, means for holding at least part of the work against movement during the turning movement of the work-engaging means, fluid-pressure means for operating said holding means, and fluid-pressure-operated valve means for causing operation of all said fluid-pressure means according to a predetermined cycle.

2,436,425

HIGH-PRESSURE FOUR-WAY VALVE
Alexander V. Fioretta, West Los Angeles, Calif.
Application September 18, 1943, Serial No. 502,943
4 Claims. (Cl. 277-20)



3. In a valve assembly, the combination of a valve block formed with two adjacent intake valve chambers and two exhaust valve chambers outside of said intake valve chambers, all of said chambers being arranged in line with one another and extending from one face of said block to adjacent the opposite face thereof, a valve seat for a poppet valve around each of said chambers dividing said chambers into upper and lower portions, poppet valves in said chambers adapted to seat on said valve seats, spring seat cages integral with the top of each valve and comprising an annular portion united to the valve top by circumferentially spaced longitudinal struts to provide fluid flow openings, springs in said chambers having inner ends seated in said cages to urge said valves into fluid sealing engagement with said valve seats, removable spring seats in said chambers engaging the outer ends of said springs, fluid sealing means disposed between the peripheries of said spring seats and the walls of said chambers to form fluid tight seals for the outer ends of said chambers, and a cover plate secured to such one block face and engaging said spring seats to retain the same in fluid sealing engagement with said chambers.

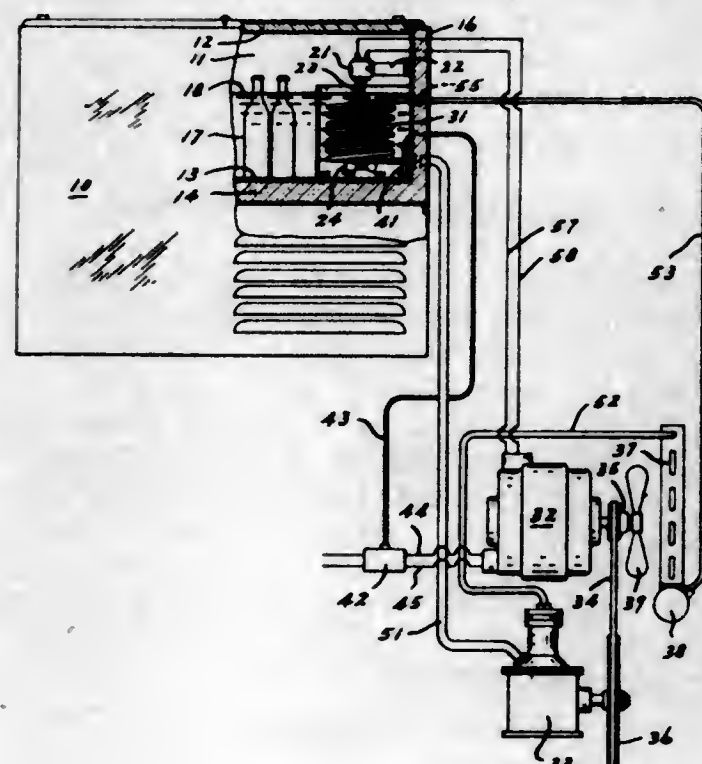
2,436,426

REFRIGERATION APPARATUS INCLUDING A DIRECT-CURRENT COMPRESSOR MOTOR AND AN ALTERNATING-CURRENT AGITATOR MOTOR

Mortimer W. Fish, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 19, 1945, Serial No. 583,580
5 Claims. (Cl. 62-141)

1. A bottled beverage cooling and storing apparatus comprising in combination, a cabinet

having a compartment therein in which bottled beverages are stored, a body of liquid in said compartment at least partially submerging the bottled beverages therein, a closed refrigerating system associated with said cabinet and including an evaporator for cooling the body of liquid in said compartment and a refrigerant liquefying unit, an agitator for circulating the liquid in said com-

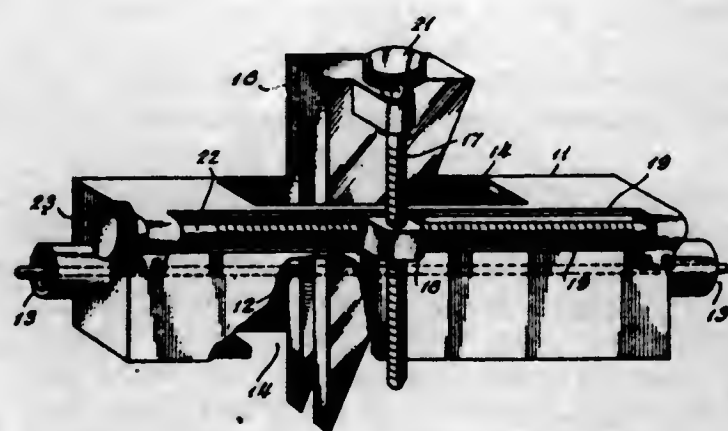


partment, an electric motor for operating said agitator, said refrigerant liquefying unit comprising a compressor, a condenser and a direct current operated dynamoelectric machine for driving said compressor, said machine having current converting mechanism incorporated therein for supplying alternating current for said agitator motor, and electrical conducting means connecting said mechanism and said motor.

2,436,427

IMPEDANCE TRANSFORMER

Edward L. Ginzton, Wantagh, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application February 18, 1943, Serial No. 476,356
23 Claims. (Cl. 178-44)



21. High frequency energy transmission apparatus comprising a section of coaxial transmission line including an axially slotted outer conductive member and a coaxial inner conductive member, and a dielectric body of variable axial contour adjustably supported within said slot for transverse movement with respect to said inner and outer conductive members.

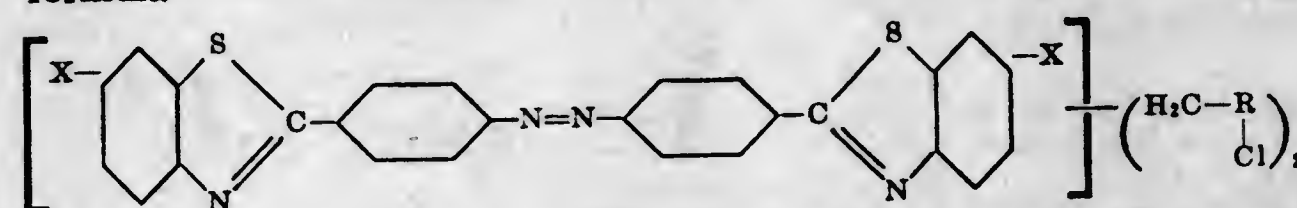
2,436,428

QUATERNARY AMMONIUM SALTS OF DI-BENZTHIAZYL AZO BENZENES

Norman Hulton Haddock and Clifford Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application April 13, 1945, Serial No. 588,239. In Great Britain May 8, 1944
6 Claims. (Cl. 260-158)

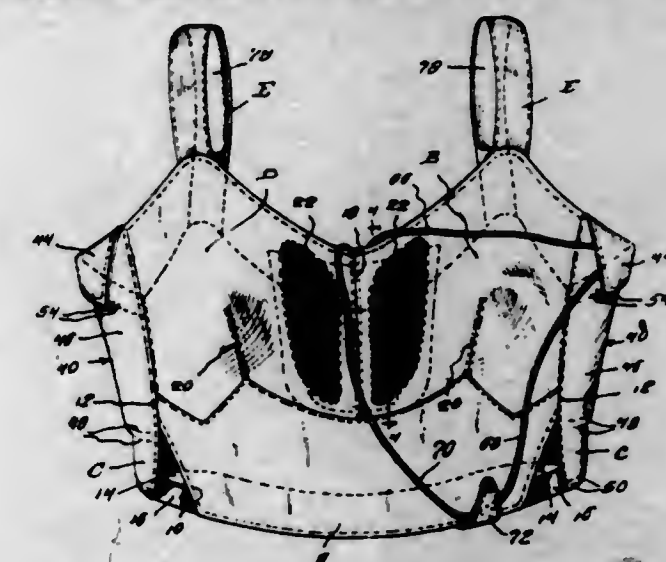
1. A quaternary compound represented by the formula



wherein R is one of the group consisting of pyridine, tetramethylthiourea, triethylamine and dimethylcyclohexylamine; each X is one of the group consisting of hydrogen, methyl and ethoxy; and wherein the CH₂ group and chlorine are joined to a nitrogen of R.

provided with a vertical elongated opening, the openings in the fulled sections being positioned contiguous to said seam, a pocket adapted to receive a hearing aid amplifier unit secured to the rear sides of said fulled sections and extending across the openings in the latter, each of said openings being covered with an open-mesh fabric, a back part, and a side part intermediate said back part and said lower and upper front parts, said side part having an end joined to the complementary edge of the lower front part and to the complementary side edge of the fulled section of

said upper front part and having its other end joined to the complementary edge of said back part, each side part embodying an upper portion forming a back wall, a lower portion folded over upon

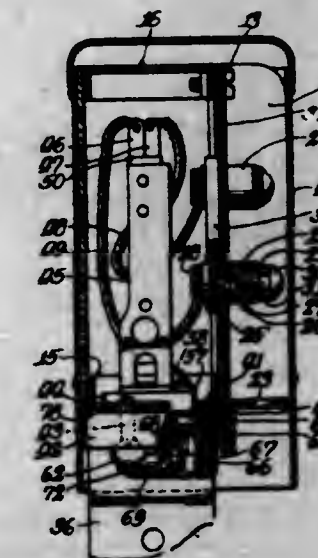


the back wall and secured to the latter adjacent its lower end thereof to form a pocket for the reception of a battery therein, and a closure flap carried by said back wall and foldable over the front wall thereof for closing said pocket.

2,436,431

TELEPHONE TERMINAL

Walter C. Hasselhorn, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application June 21, 1943, Serial No. 491,615
5 Claims. (Cl. 173-330)



1. A device for testing the impinging forces of plural spray portions discharged under pressure from a fuel injection nozzle, comprising a housing, a plurality of targets pivotally supported therein in spaced relation to said nozzle and to each other and adapted to deflect in a plane coincident with the axis of said spray, the target nearest the nozzle being provided with an opening for the passage of one of the spray portions, and means to obtain separate measurements of the deflections as measures of the impinging forces of the plural portions of said spray.

2,436,430

TWO-PURPOSE BODY GARMENT

Gladys M. Hart, Portland, Oreg.
Application April 10, 1945, Serial No. 587,577
1 Claim. (Cl. 2-42)

In a breast-supporting brassiere, a lower front part of a length to extend across the front of the body of the wearer at about the waistline, an upper front part formed of two fulled sections joined together by a vertical seam positioned medially of the front of the brassiere and arranged above said lower front part and connected to the latter, each of said fulled sections being

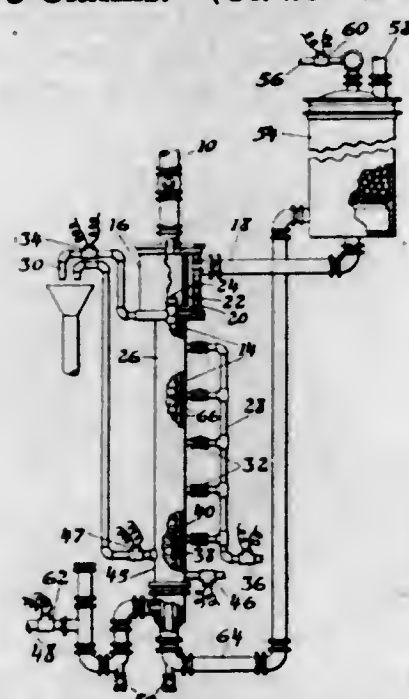
1. A terminal structure of the type described comprising a substantially closed chamber formed by side walls and end walls, one of said walls being removable, flanges along one side and the bottom of said removable wall forming in effect extensions of the bottom and the corresponding side wall of said closed chamber, terminals on said removable wall, a terminal mounting within

said closed chamber for connection with said terminals on said removable wall, said bottom flange having a line wire opening through which line wires may extend upwardly for connection to said terminals, and a hood slidably mounted over said closed chamber and said flanges, the bottom end wall of said closed chamber being provided with an opening therein to provide access for a connection with said terminal mounting in said closed chamber.

2,436,432

METHOD FOR MAKING HYDROCHLORIC ACID

Frederick L. Hunter, Lake Bluff, Ill., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
Application February 26, 1943, Serial No. 477,219
5 Claims. (Cl. 23-154)



1. In the art of producing hydrochloric acid from hydrogen chloride and water, the improvement which includes the steps of passing a minor proportion of hydrogen chloride in countercurrent contact flow with water to produce dilute hydrochloric acid, passing the major proportion of hydrogen chloride in concurrent contact flow with said dilute acid while cooling with countercurrent out-of-contact flow of heat exchange medium and collecting a strong hydrochloric acid at a point remote from the point of initial concurrent contact.

2,436,433

PROCESS FOR COATING POLYVINYL ALCOHOL FILM

Walter John Jebens, Plainfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1943, Serial No. 484,309
6 Claims. (Cl. 117-138.8)

1. The process which comprises coating a water-soluble polyvinyl alcohol film or sheet with a solution of a water-insoluble polyvinyl acetal resin as such, an aliphatic aldehyde containing not more than 4 carbon atoms, and an acid catalyst in a volatile organic solvent, and thereafter heating for a length of time sufficient to effect reaction and solvent removal whereby to form a strongly anchored water-insoluble, heat-sealable coating on said polyvinyl alcohol film.

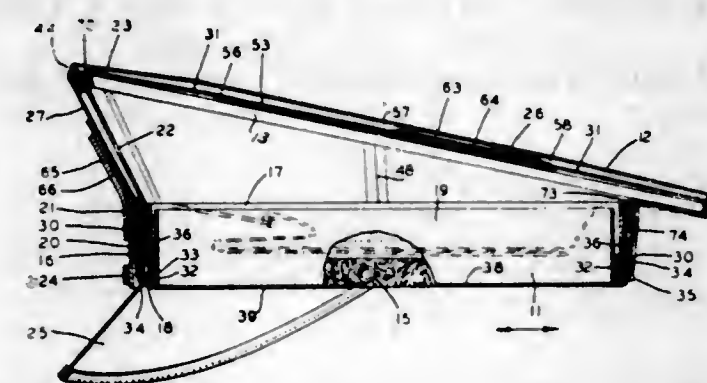
2,436,434

INTERCHANGEABLE HAT CONSTRUCTION

Abraham I. Josephs, New York, N. Y.
Application October 11, 1943, Serial No. 505,714
5 Claims. (Cl. 2-195)

1. An interchangeable crown hat construction

comprising: a main band of annular form; a frontal support element connected to the main band, said frontal support element having front and rear surfaces and an upper edge; sweatproofing means connected at the forward end thereof to the upper edge of the frontal support element forming therewith a rearwardly opening pocket

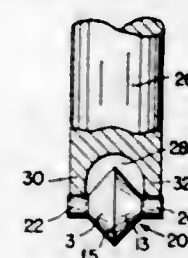


and connected at the rear end thereof to the rear portion of the main band; a crown detachably engageable with said band and adapted to be disposed outwardly and above the sweatproofing means; a resilient stretcher ring detachably disposed between opposed portions of the sweatproofing means and engageable at the forward portion of said ring within said pocket.

2,436,435

HARDNESS PENETRATOR

Carleton V. Kent, East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application February 26, 1945, Serial No. 579,857
1 Claim. (Cl. 73-85)



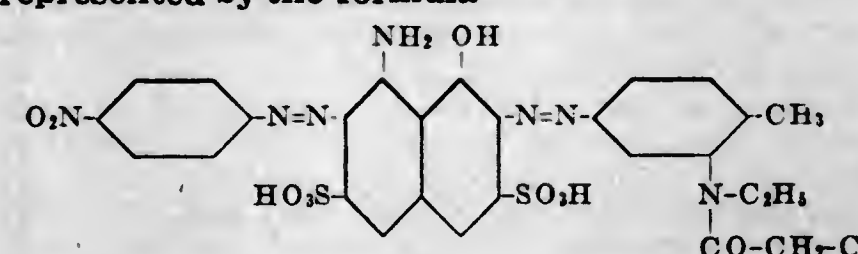
A penetrator for hardness testing machines adapted to make a lenticular impression, comprising, in combination, a hardened piece whose cutting edge is formed by the intersection of two conical surfaces, means for loading any part of said circular cutting edge, said means including bearings on the axis of said cones and a shank having bearing surfaces so spaced as to transmit an axial load from the shaft axis to the specimen along a diameter of the circular cutting edge which is normal to the specimen.

2,436,436

DISAZO DYESTUFFS

Arthur Howard Knight and William Elliot Stephen, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 6, 1943, Serial No. 485,928. In Great Britain May 6, 1942
1 Claim. (Cl. 260-185)

The disazo dye which in the form of its acid is represented by the formula



2,436,437 PENCIL WITH MAGAZINE AND PUSH TYPE FEED

August K. F. Koch, Detroit, Mich.
Application January 11, 1945, Serial No. 572,397
2 Claims. (Cl. 120-17)

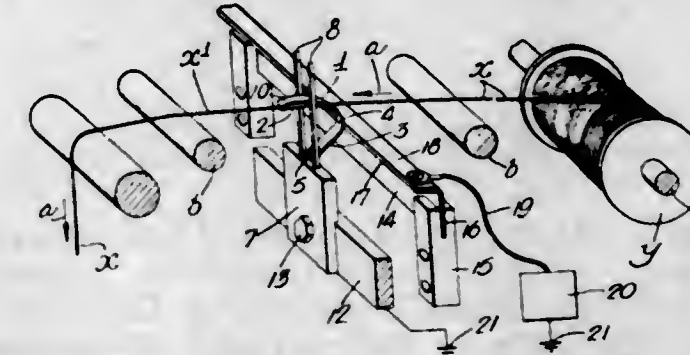


1. A pencil including a tubular casing, an axially movable magazine therein one extremity of which projects outwardly beyond the rear end of the casing, a split tapered collet on the other extremity of the magazine, said casing having a counterbore therein into which the collet extends, an annular disc in the counterbore into which the collet extends, a spring extending between the base of the counterbore and the disc tending to force the latter outwardly, said collet being adapted to be contracted by said disc upon inward movement of the magazine, a second split collet in the casing in axial alignment with the first collet and having a portion of increasing diameter toward its forward extremity, said casing having an inwardly tapered bore portion for coaction with said second collet portion of increasing diameter to contract said second collet upon inward movement of said second collet, and means tending to retain said second collet in engagement with said tapered bore portion.

2,436,438

STOP MOTION FOR LOOMS, ETC.

Julia Kyner, Zionsville, Pa.
Application February 6, 1946, Serial No. 645,832
12 Claims. (Cl. 139-353)



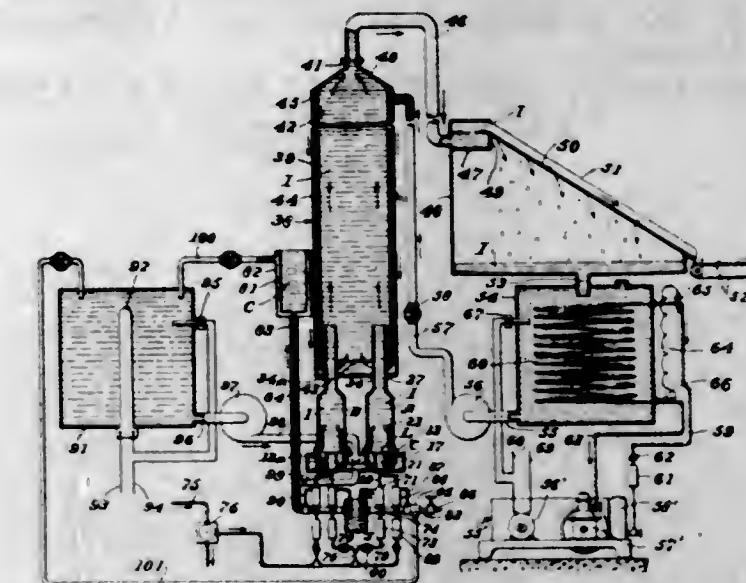
1. A slack and breakage detector for an axially running normally tensioned rectilinear yarn, comprising an inherently resilient unitary element including a foot a leg and a body portion successively interconnected and relatively angularly arranged in a common plane coincident with said yarn, guide means at opposite sides respectively of said body portion to insure positioning and retention of said yarn thereon, means for rigidly

supporting said foot in predetermined relation to said yarn to effect flexing of said element to and retention of said element in an inactive position in said plane by said yarn when running normally therein, and means intersecting said plane for engagement with said element under reactive inherent reverse flexing thereof when released by slack or breakage developing in said yarn, whereby the running of said yarn will be discontinued.

2,436,439

CAPSULATING APPARATUS

John H. Lincoln and Lyle E. Branchflower, Seattle, Wash., assignors to Laucks Laboratories, Inc., Seattle, Wash., a corporation of Washington
Application August 15, 1944, Serial No. 549,562
15 Claims. (Cl. 18-1)



12. Capsulating apparatus comprising a vertical tubular member, an upwardly open cup disposed in the lower portion of said tubular member in peripherally spaced relation thereto, means closing the space between said member and cup below the top of the latter, a vertical tubular deflector immediately above said cup peripherally spaced within said tubular member and with its lower edge spaced outwardly of said cup, a tank into the bottom of which the upper end of said tubular member is connected, said upper end being reduced in cross sectional area above the top of said deflector, means for maintaining a substantially constant level of liquid capsulating material in said cup, means for discharging drops of content substance into the capsulating material, and a body of liquid hardening as to said capsulating material in said tank and tubular member and immiscible with said capsulating material and having an interface with said capsulating material, the specific gravities of the content substance, capsulating material, and immiscible liquid being such that the drops of content substance will rise through the capsulating material while gathering a covering thereof and the thus constituted pellets will rise through the immiscible liquid.

2,436,440

LOADING PLATFORM

Albert Arthur Losch, Rydalmere, New South Wales, Australia, assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application December 18, 1946, Serial No. 717,015
In Australia December 21, 1945
4 Claims. (Cl. 214-41)

1. Improvements relating to loading platforms for use with bulldozers, comprising a plurality of arch members spaced apart and connected by a plurality of transverse members, and ramp plates

disposed upon said transverse members, said ramp plates extending from ground level upwardly and

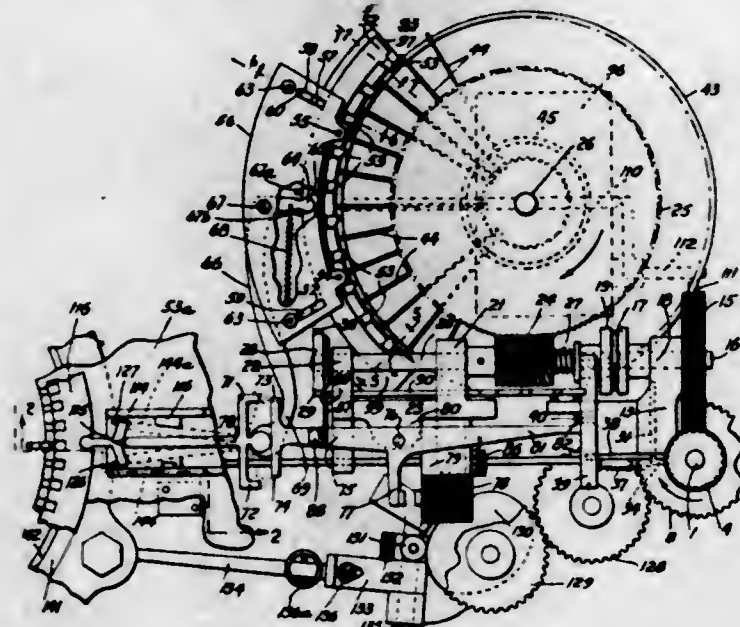


terminating so as to leave an opening through which soil may be pushed into a truck within the said arch members.

2,436,441

PRINTER FOR MORSE CODE SIGNALS

Richard E. Mathes, Silver Spring, Md., assignor to Radio Corporation of America, a corporation of Delaware
Application February 22, 1945, Serial No. 579,257
7 Claims. (Cl. 178-26)



1. In printers for codes having characters of unequal length, a plurality of code members, said code members having a mark position, a space position and a neutral position intermediate thereof, a plurality of printing members, means for selecting predetermined ones of said code members for movement to mark and space positions during the last half of each dot cycle of the received signals of a code character, means for starting the operation of the first-mentioned means during the first half of the first dot cycle of the received signals of a code character, means for positioning the unselected code members in neutral position, said selected code members after said movement and said unselected code members in neutral position having slots to receive a member for printing the code character of the received signals, and means for stopping the operation of said first-mentioned means and starting the movement of said printing member into said slots in the first half cycle of the space immediately following the last dot cycle of the received signals of the character.

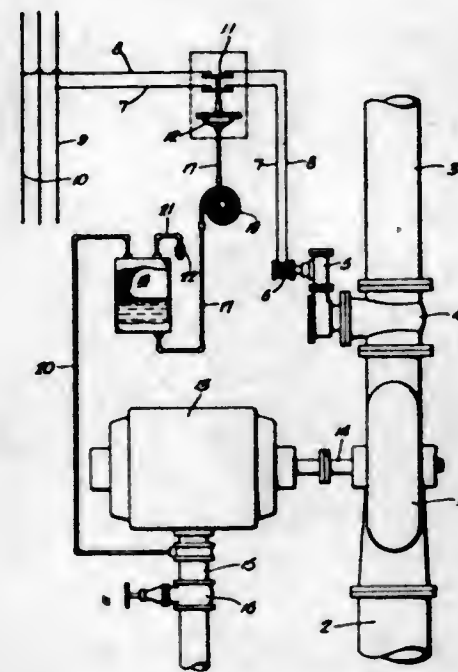
2,436,442

PUMP CONTROL SYSTEM

Theodore C. M. Mauch, Indianapolis, Ind., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application June 18, 1946, Serial No. 677,607
8 Claims. (Cl. 103-40)

1. In a pumping system, a centrifugal pump having inlet and discharge pipes, a steam turbine

operatively connected to said pump to drive the same, a steam supply line to said turbine, a check valve in the pump discharge pipe normally open during operation of the pumping system, valve operating mechanism including pressure responsive means constructed and arranged to effect closing of said check valve upon the pressure in said steam supply line falling below a predetermined value, a pressure line connecting from said steam supply line to said pressure responsive

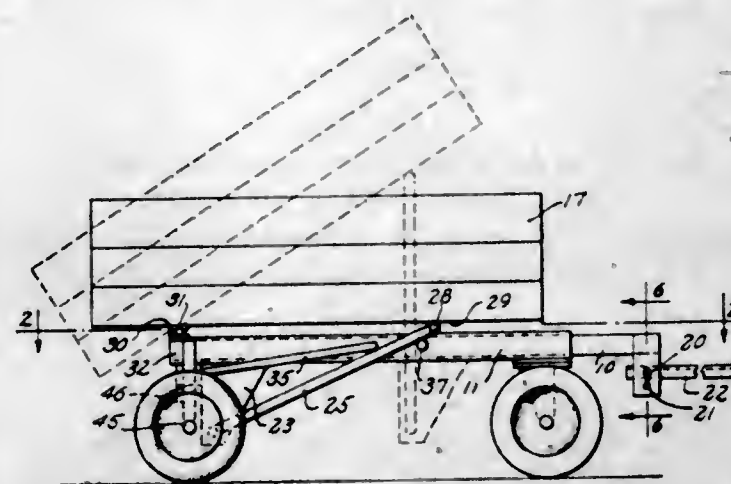


means, a cooling coil in said pressure line for condensing steam therein, a closed chamber in said pressure line intermediate the steam supply line and said cooling coil to receive excess condensate from the latter, and means connecting the interior of said chamber to the atmosphere operable in the event of sub-atmospheric pressure in the steam supply line to prevent withdrawal of the condensate from said chamber and cooling coil.

2,436,443

SELF-DUMPING FARM WAGON

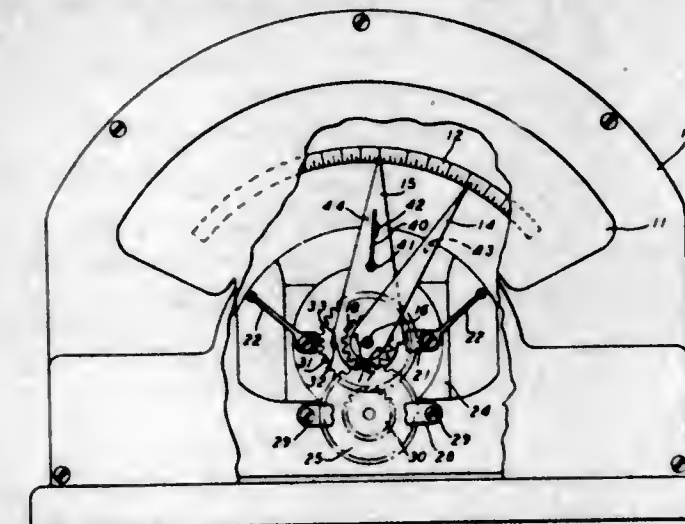
Louis M. Melsenhelder, Correctionville, Iowa
Application March 7, 1947, Serial No. 733,155
7 Claims. (Cl. 298-19)



1. In a wagon having a body mounted on front and rear wheels through suitable supporting gear, a hinge pivotally attaching the rear portion of the body to the rear end of the gear, a tongue slidably mounted and longitudinally disposed in the gear, said tongue having a downwardly extending arm at the rear end, a transversely disposed bar on the upper surface of the gear, levers pivotally connecting the arm extending downward from the rear end of the tongue to the transversely disposed bar, said transversely disposed bar positioned below the under surface of the wagon body, and fulcrum elements on the gear upon which the levers are slidably mounted.

2,436,444
**PREDETERMINED-CURRENT-DROP
RELAY SYSTEM**

De Witt D. Merrick, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 30, 1943, Serial No. 496,819
3 Claims. (Cl. 175-320)

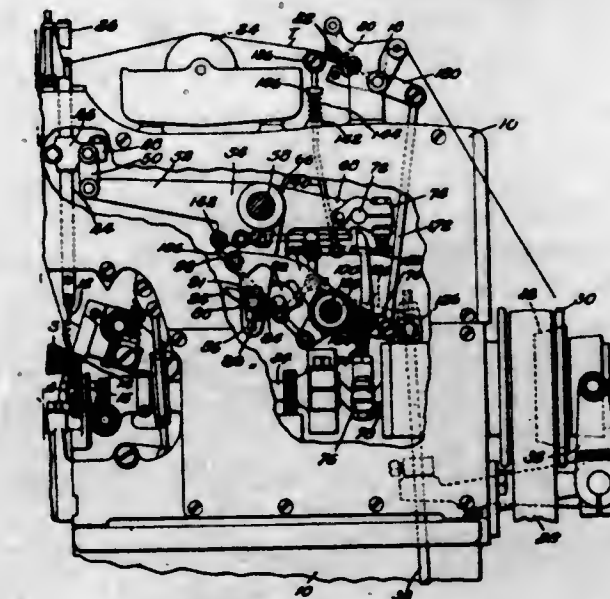


1. A control apparatus comprising an ammeter unit actuable by an electrical current in an electrical circuit, a scale, a hand movable by the unit relative to the scale between a zero position and a given high position to indicate the amperage of the electrical current, an element, means operatively connecting the hand and element to cause movement of the element in one direction at a given ratio relative to the movement of the hand, means to hold the element against return movement, and means actuable by the return of the hand to the element to cause termination of the conduction of the electrical current through the circuit.

2,436,445

SHOE SEWING MACHINE

Lloyd G. Miller, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 2, 1944, Serial No. 520,767
13 Claims. (Cl. 112-219)

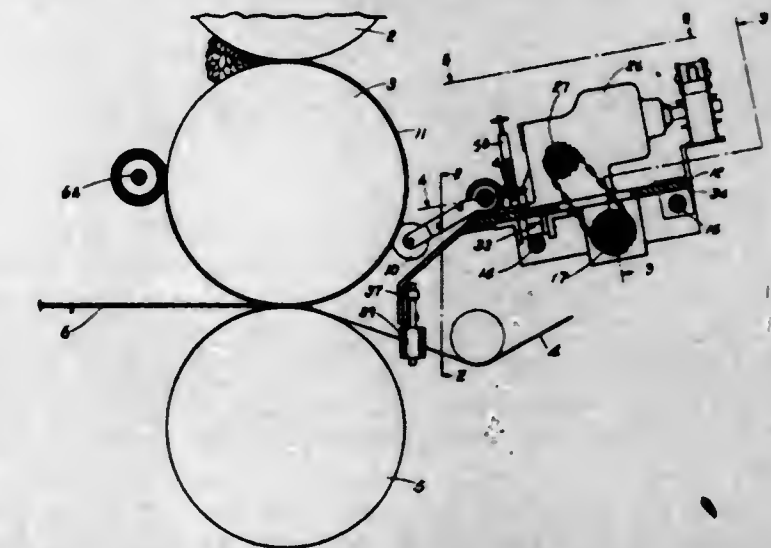


1. In a sewing machine, the combination with stitch forming devices, a main sewing shaft and trains of driving mechanism for actuating the stitch forming devices from the sewing shaft, at least one of said trains of mechanism comprising coupling elements relatively movable to connect one of the actuated devices to and disconnect it from the shaft, and yielding depressible treadle connections acting when depressed to cause the

coupling elements to be held in connecting relation, of means responsive to tension on the sewing thread for rendering the treadle connection ineffective to cause the coupling elements to be held in connecting relation.

2,436,446

CALENDERING AND APPARATUS THEREFOR
George B. Nichols, Barberton, Ohio, assignor to Selberling Rubber Company, Barberton, Ohio, a corporation of Delaware
Application August 3, 1944, Serial No. 547,925
4 Claims. (Cl. 117-110)

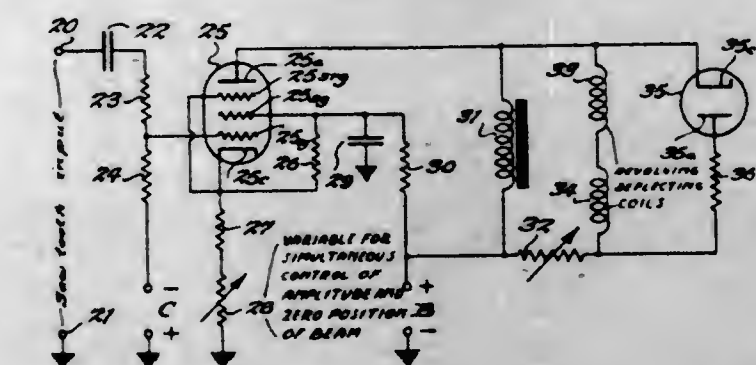


1. An improved calender for the treatment of fabric with plastic which comprises an intermediate calender roll, means on the feed side of the calender adjacent the bite formed by said calender roll for trimming the plastic while in sheeted form on said calender roll, means for locating an edge of the fabric just before it enters the bite, and means operated by said locating means for moving said trimming means laterally across said calender roll to both sides of the fabric edge so as to make the trimmed edge of the plastic parallel with said edge of the fabric in the bite.

2,436,447

SWEEP CONTROL FOR PANORAMIC OSCILLOSCOPES

Alden Packard, Kenmore, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.
Application May 23, 1944, Serial No. 536,943
6 Claims. (Cl. 315-24)

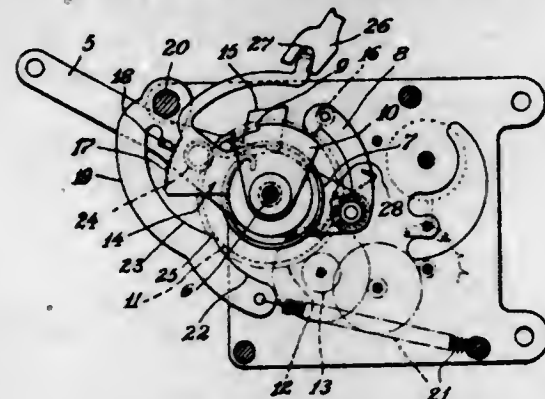


1. The combination with a cathode ray oscilloscope, of rotary deflecting coils surrounding said oscilloscope, a vacuum tube amplifier supplied with sawtooth waves, means for supply both the direct and alternating current output of said amplifier to said deflecting coils, a resistance in the cathode lead of said amplifier, and means for varying the effective value of said resistance whereby variation thereof varies the amplitude of deflection of the electron beam of the oscilloscope while maintaining the inner end of the deflected trace at the center of the oscilloscope screen.

2,436,448

AUTOMATIC TIMER FOR TOASTERS OR OTHER APPARATUS

Lester E. Padelford, North Arlington, N. J., assignor to The Oiljak Manufacturing Co., Inc., Montclair, N. J., a corporation of New Jersey
Application November 22, 1946, Serial No. 711,544
5 Claims. (Cl. 161—1)

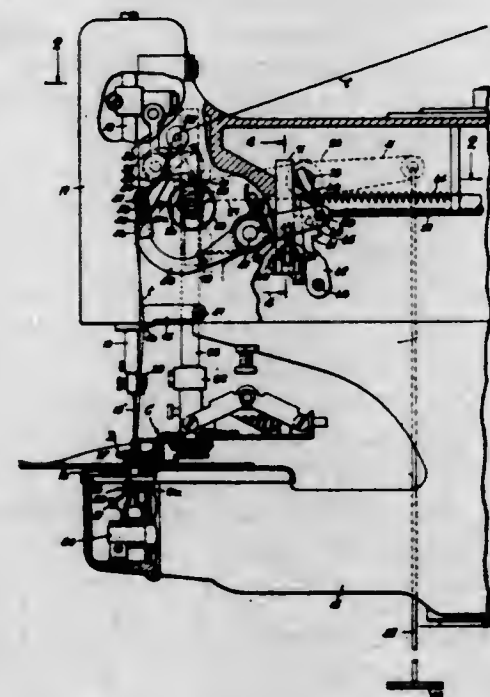


1. A timer comprising an escapement, a spring tensioned lever for powering said escapement, means for coupling said lever to said escapement, a timing cam for effecting uncoupling of said lever from the escapement, said timing cam being shiftable into different positions of timing adjustment, a spring tensioned locking lever, companion toothed detent elements on said locking lever and timing cam engageable in different relations in the different positions of said timing cam, said locking lever and said spring tensioned lever having companion cam and roller elements engageable in the movement of said spring tensioned lever to effect release of said companion detent elements in one range of travel of said spring tensioned lever and to permit engagement of said companion detent elements in another range of travel of said spring tensioned lever.

2,436,449

SEWING MACHINE

Joseph H. Pikul, West Newton, Mass., assignor to The Reece Corporation, a corporation of Maine
Application April 19, 1944, Serial No. 531,706
11 Claims. (Cl. 112—242)



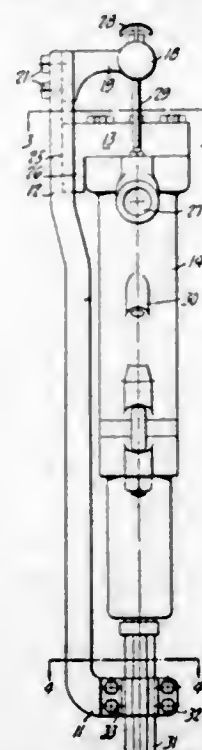
1. In a sewing machine, the combination with a reciprocating needle and three successive thread tensioning devices of which one endmost device is movable with the needle and the intermediate device is a thread clamp operable to grip and release the needle thread, of mechanism providing a thread guide between a first pair of devices consisting of said endmost and the intermediate devices and a thread pull-off between a second pair of devices consisting of said inter-

mediate and the other endmost devices, said mechanism being movable in one direction to slacken the thread between said first pair of devices and to draw extra needle thread from a thread supply between said second pair of devices while said clamp is closed, and also movable in the opposite direction to cooperate with the descending needle in drawing said extra thread between said first pair of devices while said clamp is open.

2,436,450

PERCUSSION TOOL

Vernon L. Price, San Jose, Calif.
Application October 24, 1942, Serial No. 463,275
2 Claims. (Cl. 255—51)

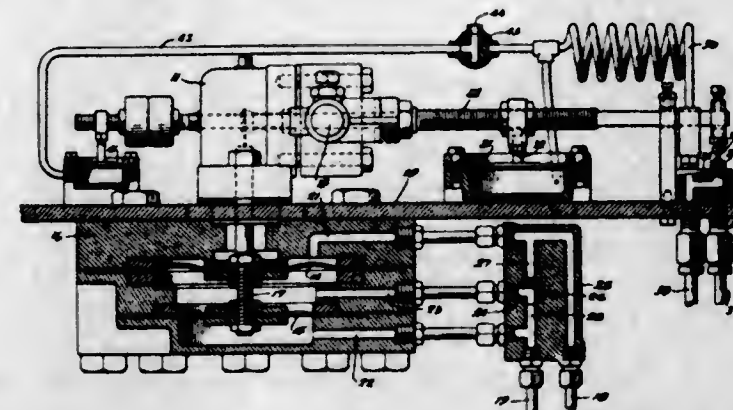


1. A percussion tool of the shell mounted type comprising a frame member, a handle on the upper end of the frame member, a member projecting downwardly from the handle portion of the frame, a positive grip tool retainer means carried by the lower end of the frame, a percussive means supported on a tool gripped by the retainer means, an upwardly projecting sleeve member on the percussive means to receive the member projecting downwardly from the handle portion of the frame.

2,436,451

MEASURING INSTRUMENT

Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application March 22, 1945, Serial No. 584,072
6 Claims. (Cl. 137—153)



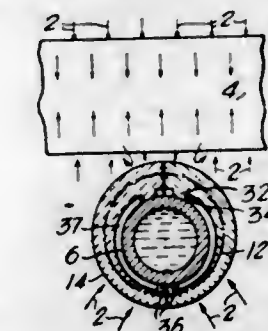
1. A measuring instrument comprising a pivoted balance beam, diaphragm means responsive to a condition to be measured to urge the beam in one direction, diaphragm means connected to the beam to urge it in the other direction, means responsive to the balance of the forces acting on the beam to produce a regulated fluid pressure,

the last named diaphragm means being connected to said means to be responsive to the regulated fluid pressure, one of the diaphragm means including a pair of separate diaphragms, and a valve to equalize the pressure across one of the diaphragms to make it ineffective thereby to change the operating range of the instrument.

2,436,452

WATER-COOLED FURNACE SUPPORTING MEMBER

William E. Schmidt, Chicago, Ill.
Application May 26, 1943, Serial No. 488,580
21 Claims. (Cl. 263—6)

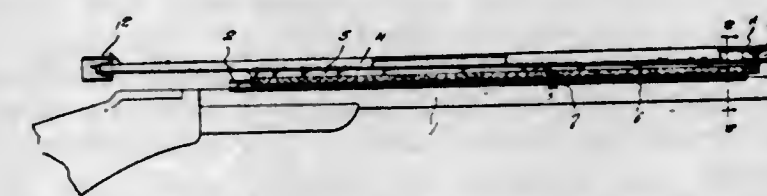


1. An improved water-cooled furnace supporting member comprising a barrier surrounding said water-cooled member, said barrier being spaced from said member a substantial distance throughout the majority of the periphery of said member to provide a dead air space therebetween.

2,436,453

GUN SIGHT

Walter E. P. Schulz, Sheridan, Mont.
Application January 30, 1945, Serial No. 575,220
4 Claims. (Cl. 33—47)



1. A sight attachment for a barreled firearm, comprising a longitudinal guide rail secured to the top surface of the barrel of the firearm and extending throughout the major portion of the length of the barrel, said guide rail having undercut opposite longitudinal side portions extending throughout the length of the rail, and a sighting tube element having a flattened under portion to rest slidably on said guide rail, said flattened under portion of the sighting tube element having longitudinal gripping portions at opposite sides thereof to slidably and interlockingly engage the undercut longitudinal opposite side portions of said guide rail, and releasably interengageable securing means being provided between said guide rail and said sighting tube element to releasably fasten the sighting tube element in a selected longitudinal position on said guide rail.

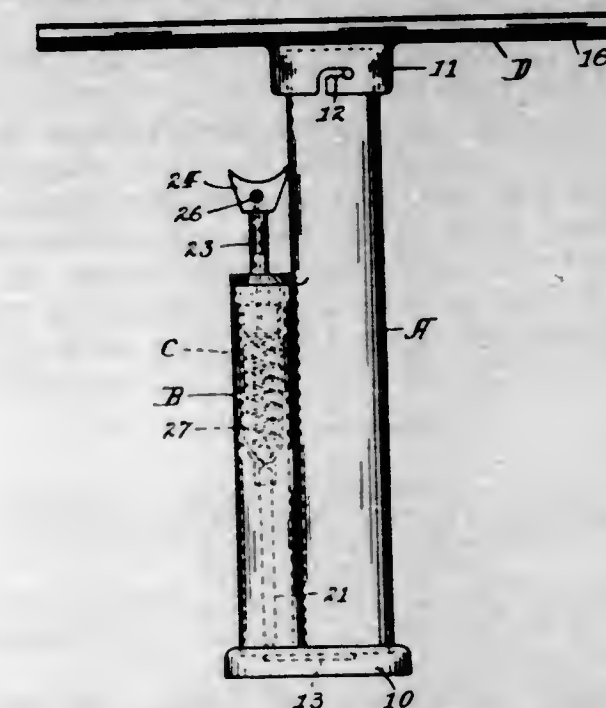
2,436,454

SELF-CONTAINED WINDOW CLEANING IMPLEMENT

Elmo Richard Sensenbach and Everett E. Shaver, Los Angeles, Calif., assignors to Wizard Mfg. Co., Inc., a corporation of California
Application March 23, 1945, Serial No. 584,268
1 Claim. (Cl. 15—126)

In a self-contained cleaning implement, having a reservoir, a cleaning element fixed on said reservoir, a pumping element connected with said reservoir having a tubular plunger and a manually engageable actuator, said actuator having an

orifice connected with said plunger in close proximity to said cleaning element and said plunger being freely rotatable in said pumping element to

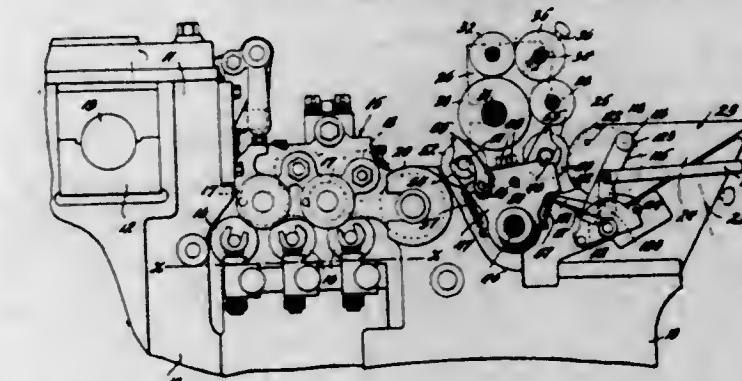


permit directing a spray from said orifice on a surface to which the cleaning element is simultaneously applied.

2,436,455

INKING MECHANISM

Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application March 8, 1944, Serial No. 525,560
14 Claims. (Cl. 101—350)



1. In a printing press or a like machine, having a supporting frame upon which are mounted a liquid fountain and fountain roller, and a roller for receiving liquid to be distributed; the combination of an intermediate set of working rollers comprising a drum, a rider roller, and an axially reciprocating roller bearing upon said rider roller, a pair of swinging ductor rollers, one adapted to oscillate between said fountain roller and said drum and the other to oscillate between said drum and said receiving roller, said ductor rollers being mounted in bearing brackets all of which have a common pivotal axis, a common actuating shaft upon which said brackets are mounted, and resiliently yielding means individually and directly connecting said brackets to said shaft to cushion the contact of said ductor rollers with those rollers which they touch.

2,436,456

HYDROCARBON RESIN-SULFURIZED OIL COMPOSITION

Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application February 18, 1943, Serial No. 476,337
13 Claims. (Cl. 260—23)

1. A composition of matter comprising a mixture of from 10 to 90% of a sulfurized oil with

from 90 to 10% of a resin resulting from the polymerization of hydrocarbons contained in a hydrocarbon oil which has been physically separated from tar produced in the vapor phase pyrolysis of petroleum oil and which hydrocarbon oil is free from and of greater volatility than the pitch of said tar, said hydrocarbons boiling between 210° C. and 350° C. and being polymerizable by the addition to said hydrocarbon oil of a catalyst and being also polymerizable by the application to said hydrocarbon oil of heat alone and being present in said hydrocarbon oil in amount greater than 5% of the total hydrocarbon oil boiling between 210° C. and 350° C.

2,436,457
SULFURIZED OIL-AROMATIC OIL COMPOSITIONS

Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 19, 1944, Serial No. 523,117

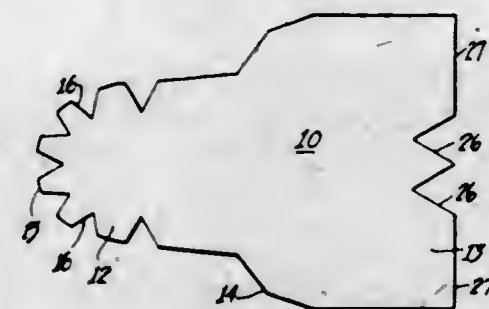
8 Claims. (Cl. 106—249)

1. A composition of matter comprising 10% to 90% of a sulfurized fatty oil and 90% to 10% of a hydrocarbon oil which has been physically separated from tar produced in the vapor phase pyrolysis at average temperatures above 1300° F. of petroleum oil and which hydrocarbon oil boils above 210° C. but is free from and of greater volatility than the pitch of said tar, said hydrocarbon oil having an aromatic hydrocarbon content of at least 90%, and also being substantially free from resin-forming material.

2,436,458
SHOE CONSTRUCTION

Robert Stile and Philip Eisenberg, Brooklyn, N. Y.
Application December 21, 1944, Serial No. 569,162

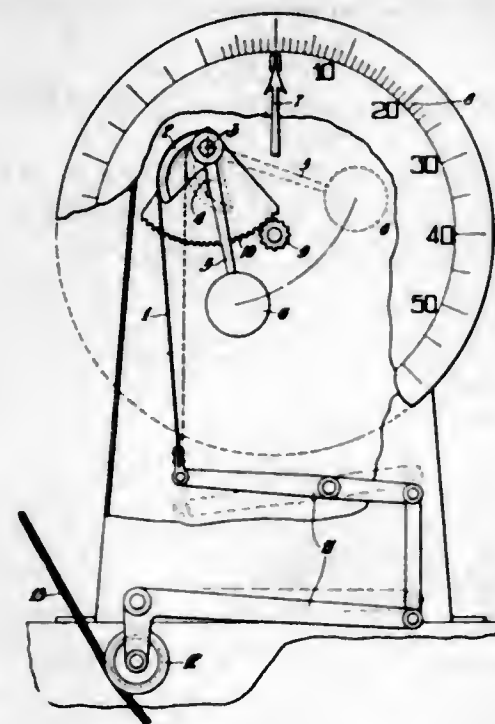
4 Claims. (Cl. 36—11)



1. A shoe fabricated from a blank consisting of a semi-circular front edge having several substantially uniformly spaced V-shaped notches therein, the side edges of said blank flaring towards the back, said flaring starting at approximately that part of the blank which when the shoe is fully formed is in the region of the instep, the back edge of the blank having a pair of V-shaped notches one to either side of the center of said back edge, the side edges of each of said notches being stitched together whereby to draw up the blank into the shape of a shoe having a sole, sides, front and back portions in a unitary structure, and a top piece for closing the shoe-formed-shape at the upper front thereof and completing the shoe structure, said top piece being sewed to the forward portion of the shoe around the free edges thereof, said flared edge portions extending from the instep to the back of the shoe and being adapted to be turned over to form a cuff.

2,436,459
ROPE TENSION MEASURING DEVICE
Daniel D. Symmes, West Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 31, 1943, Serial No. 489,215

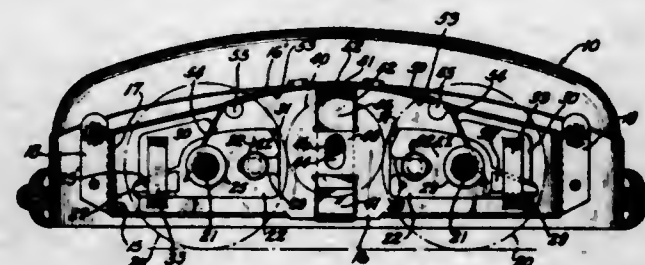
2 Claims. (Cl. 73—144)



1. A rope tension measuring device comprising a sheave adapted to engage a rope the tension of which is to be measured, a motion multiplying lever system including a bell crank, a lever pivoted intermediate its length, a link connecting the long arm of the bell crank to one end of the lever, the lever being substantially parallel with the long arm of the bell crank, said sheave being pivoted on the short arm of the bell crank, a fulcrumed cam sector, a flexible band having one end attached to the cam sector and the other end to the free end of the lever, a weighted pendulum connected with the sector to apply force to the band and to provide an increasing force with increasing displacement, and means for indicating the amount of displacement of the sector.

2,436,460
WHEEL MOUNT FOR CARPET SWEEPERS
Berthold Thiele, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 1, 1941, Serial No. 405,003

5 Claims. (Cl. 15—48)



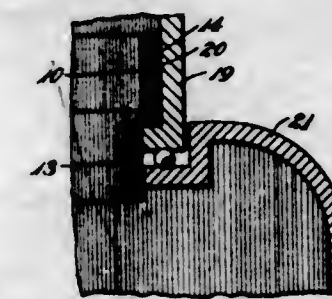
1. In a carpet sweeper of the character described, the subcombination of a sheet metal end bracket including a body portion having a pair of bearing pads pressed inwardly therefrom, a headed guide stud secured to the body portion adjacent one of said bearing pads, a guide strap cut from the body portion and offset inwardly therefrom and disposed adjacent the other of said bearing pads, a plate engaging said bearing pads and having one end slotted and interfitted with said guide stud for rocking and sliding movement, the other end of said plate having a reduced extension slidably interfitted with said guide strap, and an inwardly directed stub axle carried by said plate.

2,436,461
CRASH PAD FOR WAR TANKS OR OTHER VEHICLES

Forest G. Tritt, Sherman, and Wilbur A. Miller, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application May 14, 1942, Serial No. 442,950

10 Claims. (Cl. 154—43)



6. A crash pad structure for a war tank or other vehicle, comprising a thin metal backing member of substantially the same size and configuration as a localized section of the vehicle structure and adapted to be secured to said localized section, a sheet-like element of plasticized polyvinyl halide sponge of an appreciable thickness slightly smaller in size than the area of the backing member and secured to the backing member, a relatively thin and impervious envelope of plasticized polyvinyl halide adhered to substantially the entire surface of the assembly of backing member and sponge rubber element, and securing means located at the areas of the backing member left uncovered by the sponge rubber element for securing the backing member to the localized section of the vehicle structure.

2,436,462
REMOTE CONTROLLED PARKING WINDSHIELD WIPER MOTOR
Raymond E. Utter and Delbert Henry Stoltenberg, Toledo, Ohio
Application December 1, 1944, Serial No. 566,068

2 Claims. (Cl. 121—97)



2. In a device of the class described, a motor having a casing including a member movable therein when subject to a fluid pressure differential, primary chamber ports located on opposite sides of said movable member, a valve seat on said casing including a suction supply port and secondary chamber ports adjacent thereto, the secondary ports and the primary chamber ports leading to fluid passages, automatic valve means associated with said valve seat and controllable by the movable member for connecting the suction supply port alternately with one secondary port and the other secondary port to the atmosphere to obtain reversal of pressure differential for the operation of said movable member, remote control valve mechanism having fluid passages forming continuations of the passages of the pri-

mary chamber ports and valve seat ports, said continuation passages leading to ports on said control valve mechanism located adjacent to a vent port in communication at all times with the atmosphere, the remote control valve mechanism operable in one position to connect the suction supply to the primary chamber ports through the secondary chamber ports for the operation of the movable member and in a second position to connect one of the primary chamber ports directly to the suction supply and the other primary chamber port to the vent port on the control valve mechanism to park the movable member in one position.

2,436,463
ONION FLAVORED MELON STUFFING
Edward Van Dellen and Richard N. Ball, Visalia, Calif.

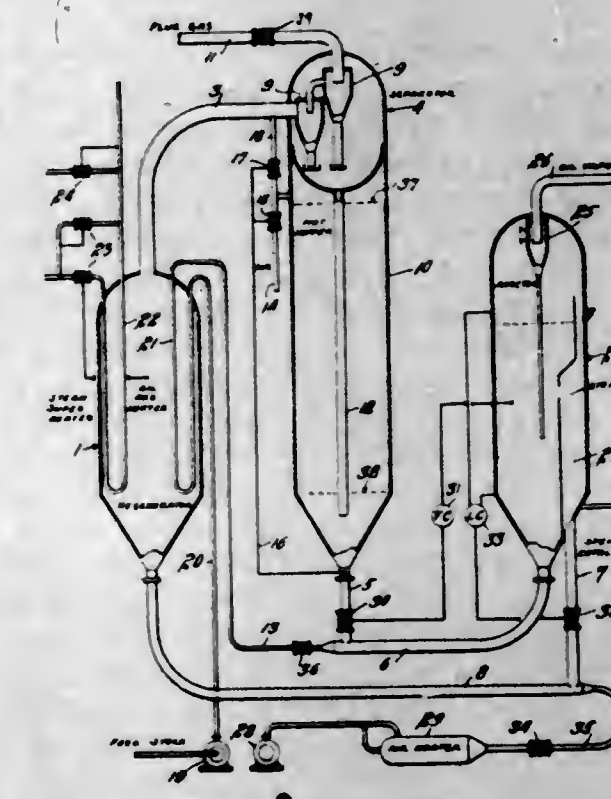
No Drawing. Application March 24, 1945, Serial No. 584,737

5 Claims. (Cl. 99—100)

1. A method of imparting onion flavoring to olives and stuffing therefor, which consists in first pitting the olives and placing them in a brine solution, placing onion material in said solution and contiguous to said olives, thereafter stuffing the olives with a flavorless, flavor-absorbing edible material.

2,436,464
FLUID CATALYTIC CRACKING
Edward M. Van Dornick, New York, N. Y.
Application June 4, 1946, Serial No. 674,196

3 Claims. (Cl. 196—52)

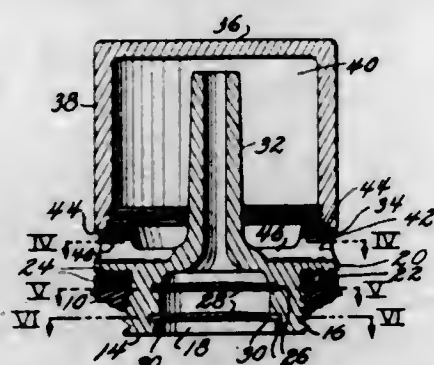


1. The herein disclosed process of fluid catalytic treatment comprising flashing an oil feed stock in finely divided hot catalyst and flowing same as a fluid suspension upwardly in a conversion zone, removing oil vapors from the top of said conversion zone and withdrawing spent catalyst from the bottom of said conversion zone, combining combustion supporting gas with the spent catalyst withdrawn from the bottom of the conversion zone and passing the same in fluid suspended state upwardly into the bottom of a vertically extended regenerating zone, removing regenerated catalyst suspended in the gases of regeneration from the top of the regenerating zone, separating regenerated catalyst from the gases of regeneration and delivering the regenerated catalyst in a confined, vertically elongated column downwardly into the bottom of a surrounding ver-

tically extended enclosing holder, superimposing pressure on the catalyst collecting in the holder about the confined column and releasing the gases of regeneration under controlled back pressure to combine with the static pressure in the confined column to balance the superimposed pressure on the catalyst collecting in the surrounding holder and feeding regenerated hot catalyst from the bottom of the holder under such balanced pressures and at greater than the gases of regeneration pressure into contacting relation with the oil to be vaporized.

2,436,465

UNDERWATER BATTERY VENT PLUG
Harland D. Wilson, Toledo, Ohio
Application July 9, 1945, Serial No. 603,831
13 Claims. (Cl. 136-177)



13. In an electric storage battery, a cell having a plate pack and an electrolyte therein, a cover for said cell provided with an aperture therethrough, a plastic seal between said cell and cover exposed to pressure from within and without said cell, a plug having threaded connection with said aperture and having a cylindrical portion extending toward the cell interior, a plurality of baffles in spaced relation in said cylindrical portion providing non-aligned by-passes, said plug having a seat-providing rim overhanging the closure about the aperture and providing an elongated tubular extension away from the aperture in the opposite direction from the cylindrical portion and in communication therewith, a compressible gasket between said rim and closure, a dome for the tubular extension provided with a skirt engaging said seat and providing a chamber around the extension, said extension terminating in the chamber away from said rim, and registering cut-outs in said skirt and rim forming a duct from said chamber to the dome exterior, said plug and dome providing the sole passage between the cell interior and exterior by means of which the pressures from within and without the cell acting against said seal are equalized.

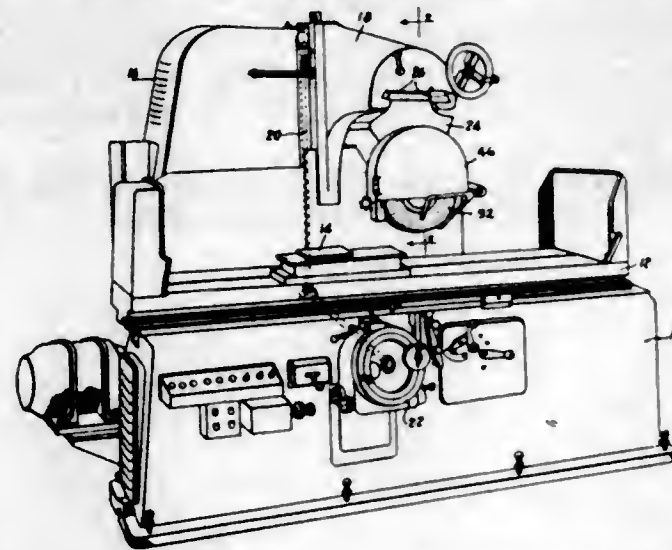
2,436,466

METHOD AND APPARATUS FOR GRINDING AND LAPPING

John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application September 27, 1945, Serial No. 618,813
9 Claims. (Cl. 51-45)

9. In a surface grinding and lapping machine, a frame, a work table reciprocally mounted on said frame, a grinding wheel spindle mounted on said frame for radial and axial movement relative to said work table, a grinding wheel, resilient means interconnecting said grinding wheel to said spindle, means for slowly reciprocating said work table, means for intermittently or rapidly reciprocating said wheel spindle in axial direction, means for selectively driving said wheel at

a high rotative speed or at low rotative speed, and means for radially adjusting said grinding

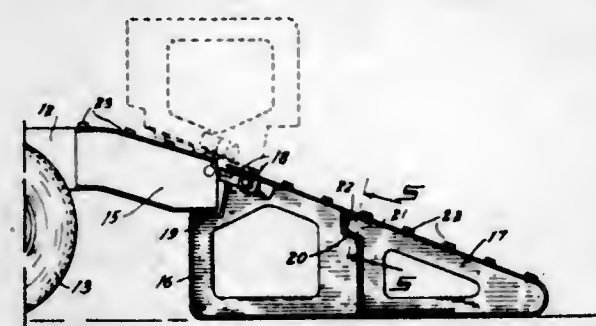


wheel and spindle to predetermined positions relative to said work table.

2,436,467

VEHICLE RAMP

Henry A. Winter, Denver, Colo., assignor to Patents, Inc., Denver, Colo., a corporation of Colorado
Application August 27, 1946, Serial No. 693,251
5 Claims. (Cl. 214-85)

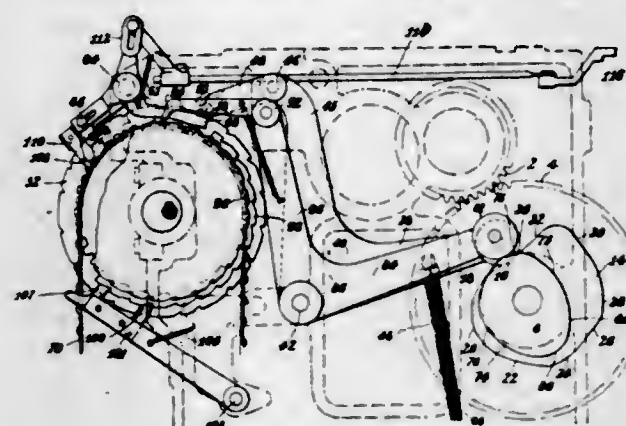


1. A combination chock block and ramp for a heavy duty trailer comprising: a first block member having an inclined upper surface; means hingedly connecting said first block member to said bed so that when lowered, it will form a downward incline from the rear of said bed and when raised and folded will rest on said bed to form a backstop; a second inclined block; means for securing said second block to said first block to form a continuation of the inclined upper surface thereof; and a forwardly projecting shelf on said first block positioned to receive and support the rear extremity of said bed.

2,436,468

PATTERN MECHANISM FOR KNITTING MACHINES

Paul W. Bristow, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application February 21, 1946, Serial No. 649,259
14 Claims. (Cl. 66-155)



1. In combination with a knitting machine, controlling mechanism comprising primary and

secondary controlling devices, cyclically operating means for advancing the primary controlling device, said advancing means having, in each cycle of its operation, a forward movement between its extreme positions comprising a plurality of forward steps without substantial reversal of its movement between the steps, followed by a return movement between its extreme positions, advance of the primary controlling device occurring in said steps, cyclically operating means for advancing the secondary controlling device, said advancing means for the secondary controlling device having, in each cycle of its operation, a forward movement between its extreme positions comprising a plurality of forward steps without substantial reversal of its movement between the steps, followed by a return movement between its extreme positions, said cycles of operation of the two advancing means occurring at the same frequency, and means controlled by the primary controlling device for selectively determining the operativeness or inoperativeness, to advance the secondary controlling device, of the forward steps of the advancing means for the secondary controlling device.

2,436,469

EGG HOLDER

John J. De Luce, Minneapolis, Minn.
Application March 19, 1946, Serial No. 655,509
6 Claims. (Cl. 294-104)



1. An egg server having in combination, a pair of elongated members having handle portions at one end adapted to be grasped together in one hand of the operator, a cup comprising circumferentially spaced diverging resilient leaves secured respectively to the other end of each of said members, said cups being hingedly connected and facing in the same direction when separated whereby said handle portions and cups may be swung to cause the open ends of said cups to approach each other to embrace the end portions of an egg and come into substantially coaxial relation, said egg being held by pressure on said handle portions.

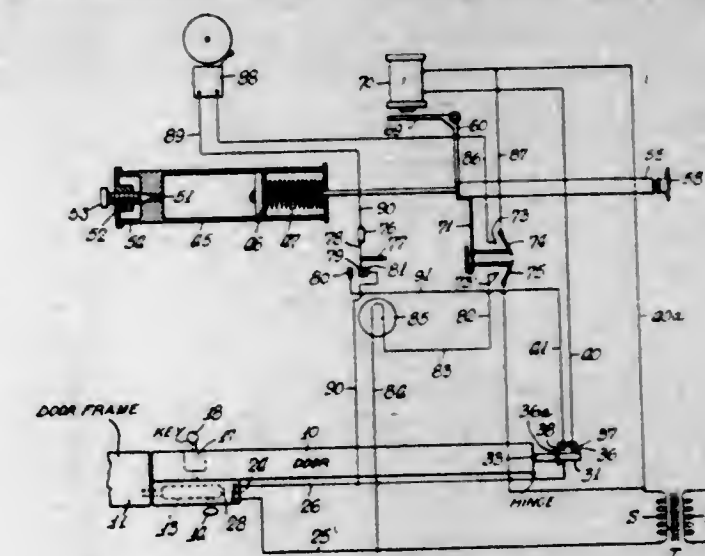
2,436,470

ELECTRIC BURGLAR ALARM SYSTEM

George L. Fleming, New York, N. Y.
Application September 11, 1946, Serial No. 696,131
12 Claims. (Cl. 177-314)

9. Alarm mechanism for a closure having, in combination, an audible alarm, a circuit for said alarm connected to a source of current therefor, a closure frame switch having a plurality of contacts one of which is mounted on means controlled

by different positions of the closure for setting said alarm into action, a switch for the circuit having contacts controlled by said frame switch, means for movably mounting the contacts of said

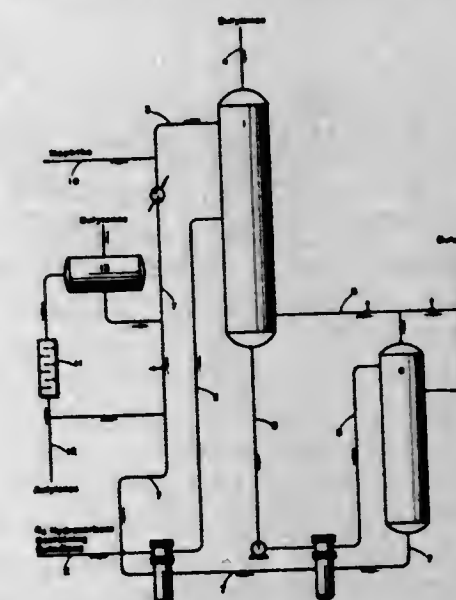


last mentioned switch including latching means therefor and means for restraining the setting means in accordance with some predetermined time controlled movement.

2,436,471

VAPOR PHASE EXTRACTION

William B. Franklin, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application May 13, 1946, Serial No. 669,273
6 Claims. (Cl. 260-681.5)



1. In a process in which a mixture of gaseous hydrocarbon constituents is scrubbed with an aqueous metallic salt solution which is liquid and capable of selectively taking up at least one of said constituents, the step of adding to the scrubbing liquid an amount of a hydrocarbon carrier liquid not substantially in excess of 0.1% by volume of the scrubbing liquid which is immiscible therewith and chemically inert to the scrubbing liquid and to the gaseous constituents undergoing treatment and having strong solvent power for said gaseous constituents.

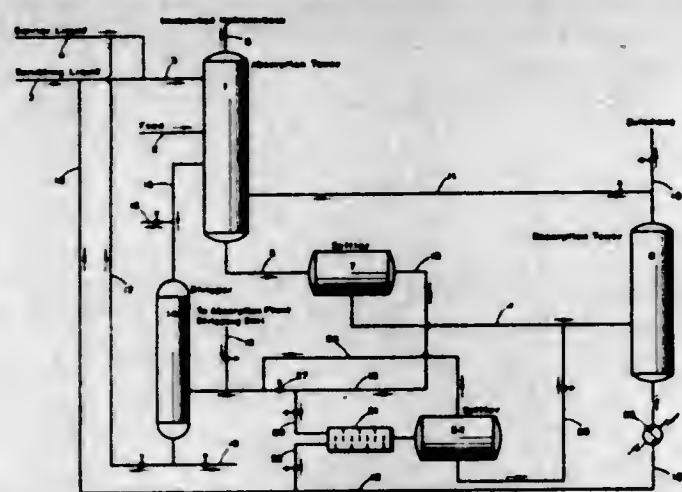
2,436,472

VAPOR PHASE SOLVENT EXTRACTION PROCESS

Edward F. Wadley, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application May 13, 1946, Serial No. 669,347
6 Claims. (Cl. 260-681.5)

1. In a process in which a mixture of gaseous hydrocarbon constituents is scrubbed with an

aqueous metallic salt solution which is liquid and capable of selectively absorbing at least one of said constituents, the steps of adding to the scrubbing liquid at least 3% by volume thereof of a hydrocarbon carrier liquid chemically inert to and immiscible with the scrubbing liquid and chemically inert to the gaseous constituents un-



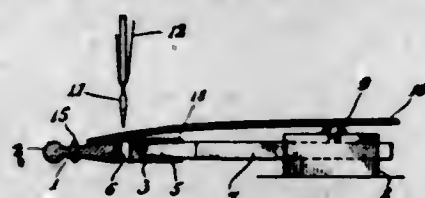
dergoing treatment but having strong solvent power for said gaseous constituents, separating the scrubbing liquid containing absorbed constituents from the carrier liquid containing dissolved constituents and separately recovering absorbed and dissolved hydrocarbon constituents from said liquids.

2,436,473
STAPLING MACHINE
Anthony D. Gillas, Brooklyn, N. Y.
Application May 22, 1947, Serial No. 749,728
3 Claims. (Cl. 1-3)



1. In combination with a staple machine, a hingeable, extensible arm rigidly attached to said staple machine, a rigid base member bent upward and back upon itself at its rear end forming a forwardly extending arm spaced apart from said base member, said forwardly extending arm hinged to said hingeable arm, an anvil rigidly attached to the front end of said base and angularly disposed thereto, said angular anvil being parallel to the base of said staple machine when said machine is in depressed position.

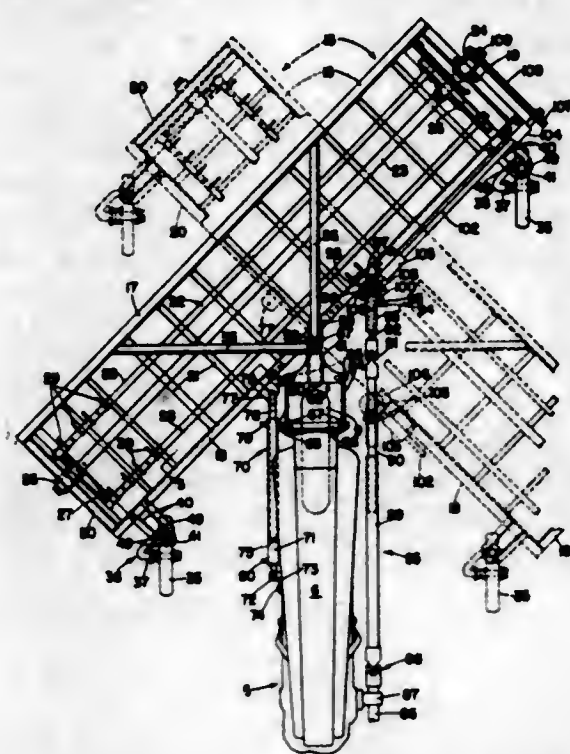
2,436,474
UMBRELLA TIP AND MOUNTING HOLDER THEREFOR
Irving Hollander, New York, N. Y.
Application June 18, 1946, Serial No. 677,596
3 Claims. (Cl. 112-114)



2. The combination of a metal tip to be secured to the cloth cover of an umbrella and fitted upon the outer end of a rib thereof, a rod to hold said tip, means for holding the rod in fixed position, and a support to which the rod is affixed, the tip having a cavity in one extremity to receive snugly the end of said rod to mount it in position for fastening the cover thereto, the tip having a transverse bore through which thread can be passed by a needle to sew the cover to the tip, and an indicating notch at the entrance to the

cavity, the end of the rod being bevelled, and the inner end of the cavity being inclined to the length thereof to match the end of the rod, so that, when the ends of the rod and cavity fully abut, the tip is mounted on the rod, with the bore in line with said needle.

2,436,475
SIDE DELIVERY RAKE
Frank D. Jones and Miles H. Tuft, Ottumwa, Iowa, assignors to Deere Manufacturing Co., a corporation of Iowa
Application October 13, 1943, Serial No. 506,110
19 Claims. (Cl. 56-377)

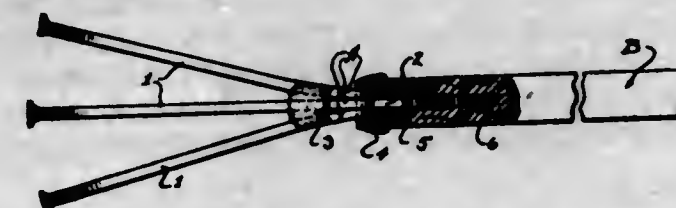


1. A side delivery rake comprising a tractor having a narrow longitudinally extending body supported on a dirigible wheel beneath the forward end thereof, a rake frame disposed in front of said tractor, means for mounting said frame on the forward end of said tractor including a pair of vertically spaced parallel links swingably connected to the forward end of said tractor and extending forwardly therefrom and a supporting member mounted on the forward ends of said links and having bearing means connected with said frame providing for horizontal swinging movement from a diagonally disposed normal operating position extending along one side of said tractor wheel and across the path of the latter to an opposite diagonally disposed position extending along the other side of said tractor wheel and across the path of the latter, a rake reel rotatively mounted in said frame, means receiving power from the tractor engine and flexibly connected with said reel for driving the latter in either of said positions of the rake, and means under control of the tractor operator for swinging said rake frame from either of said positions to the other to place said rake in an effective crop moving position to rake a swath in the path of said wheel when making a turn in either direction.

2,436,476
METHOD OF MAKING GARDEN TOOLS
Louis F. Kulsh, Kenosha, Wis.
Application June 11, 1945, Serial No. 598,868
2 Claims. (Cl. 76-111)

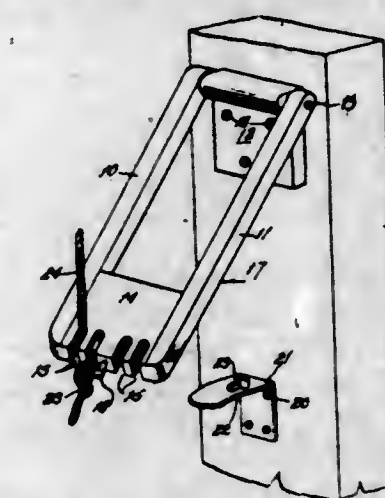
1. A method of producing a spring toothed garden tool consisting of assembling a series of separate spring teeth at their shank base, abutting a threaded plug to the base, depositing a

mass of metal thereon, subjecting said mass to a welding heat to develop a solid joint, whereby



the teeth adjacent the joint are rendered pliable to be selectively spread apart or drawn together.

2,436,477
CLOTHESLINE STRETCHING DEVICE
Richard C. Lewis, Chicago, Ill.
Application March 1, 1946, Serial No. 651,126
3 Claims. (Cl. 211-119.15)



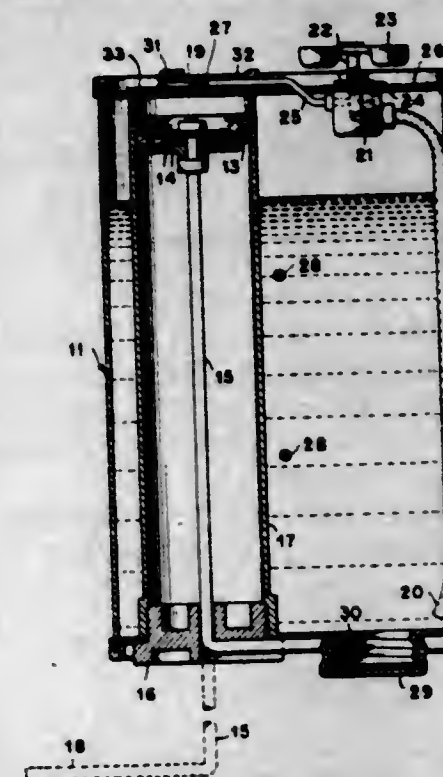
1. A clothesline stretching device comprising a stretcher having a fixed upper member adapted to be attached to a support, a pair of spaced side rails pivotally attached to said upper member, a bottom member attached to the lower portions of said side rails, said bottom member having at its bottom portion a plurality of clothesline receiving slots, and a detent attached to said bottom member, and a holding member attached to a support and having a resilient tongue with a tear shaped opening therein, said tongue positioned and adapted to be contacted by said detent and to yield to removably receive said detent within said tear shaped opening, and hold said stretcher.

2,436,478
DEVICE FOR PRODUCING AEROSOLS
Arthur W. Lindquist, Chester N. Husman, and Herman O. Schroeder, Orlando, Fla., assignors to United States of America, as represented by the Secretary of Agriculture
Application September 6, 1944, Serial No. 552,860
1 Claim. (Cl. 299-88)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

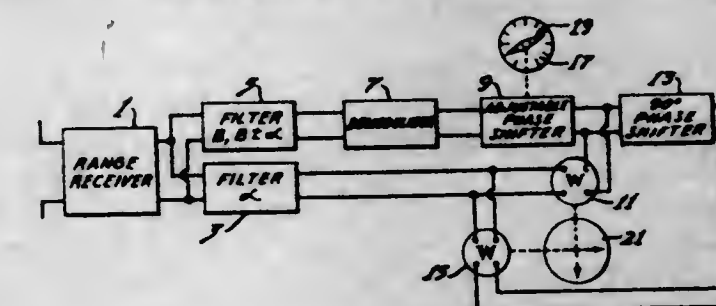
A device for producing aerosols comprising a container for holding a liquid, an air pump in said container, said container having a plurality of apertures for the discharge of air from said pump, capillary tubes on the outside of the container, each terminating at a point in the path of air discharged from one of said apertures, a valve, said capillary tubes being connected to the outlet of said valve, a shield slidably mounted on said container for covering the ends of said tubes when the device is not in use and for uncovering said ends when the device is to be used, a hood secured to said container in the line of movement of said slide for engaging the end of said slide when the slide is in a position covering said ends, a dip tube within the container having one end connected to the inlet of said valve and the other end disposed near the bottom of said container, said pump having a reciprocable plunger rod

extending from the bottom of the container, the outer end thereof being provided with a handle



to fit against the bottom of the container when the plunger is in a retracted position.

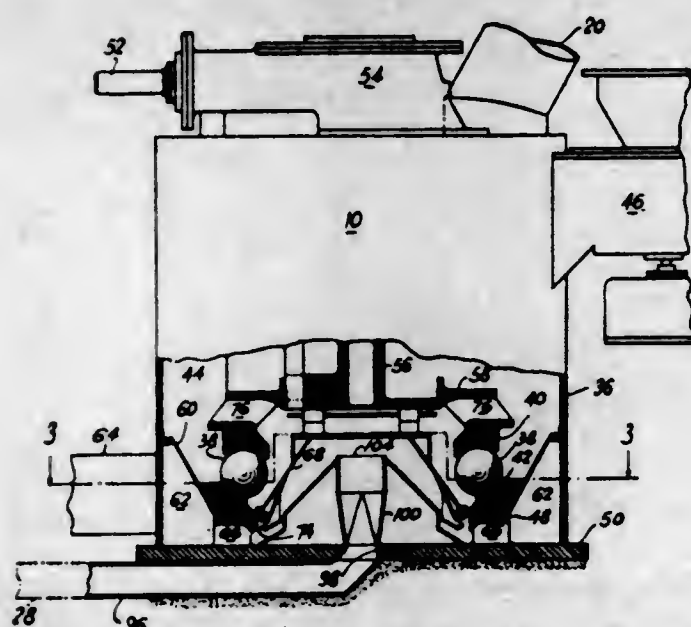
2,436,479
COURSE INDICATOR SYSTEM FOR RADIO RANGES
David G. C. Luck, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 22, 1945, Serial No. 636,970
8 Claims. (Cl. 250-11)



1. In a course indicator for omnidirectional radio ranges, including means providing a reference phase signal and a directional phase signal, and course bearing selector means for shifting the phase of one of said signals in accordance with the bearing of a predetermined course, visual indicator means for said bearing selector comprising a scale and pointer providing both direct and reciprocal bearing indications and having two differently marked portions for providing visual distinguishability between said direct and reciprocal indications, a unitary indicator device including two orthogonally related pointers and respective deflection means, means responsive to the phase relationship between said phase shifted signal and the other of said first-mentioned signals to actuate one of said deflection means to deflect one of said orthogonal pointers to show deviation from said course, means responsive to the phase relationship between said two last-mentioned signals to actuate the other of said deflection means to deflect the other of said two orthogonal pointers to show the sense of said course, said indicator means including, in co-operative relationship with said last-mentioned pointer, a scale having two portions differently marked like respective differently marked portions of said bearing indicator means.

7. A system for indicating the phase relationship between two alternating voltages comprising a unitary indicator device having two pointers crossing each other and normally centered ver-

the lower portion of an enclosing housing, said housing having an outlet leading from its upper portion, said elements comprising a member formed with a grinding surface arranged annularly about a vertical axis and a circle of grinding members arranged coaxially with said surface and adapted to cooperate therewith for pulverizing material fed into said housing at a location above said grinding elements, means forming an annular throat concentric with and adjacent a circumference of said annular grinding surface, means for causing a stream of carrier air to flow



upwardly through said throat for transporting pulverized material particles to and through said outlet, means for admitting a portion of said carrier air to a zone within said housing displaced inwardly and upwardly from the entrance to said annular throat, means for directing said portion to a surrounding annular zone below and adjacent said throat, means for separately admitting another portion of said carrier air to said annular zone, means for causing said portions to become mingled within said annular zone, and means for directing said mingled portions upwardly through said throat to provide said stream of carrier air.

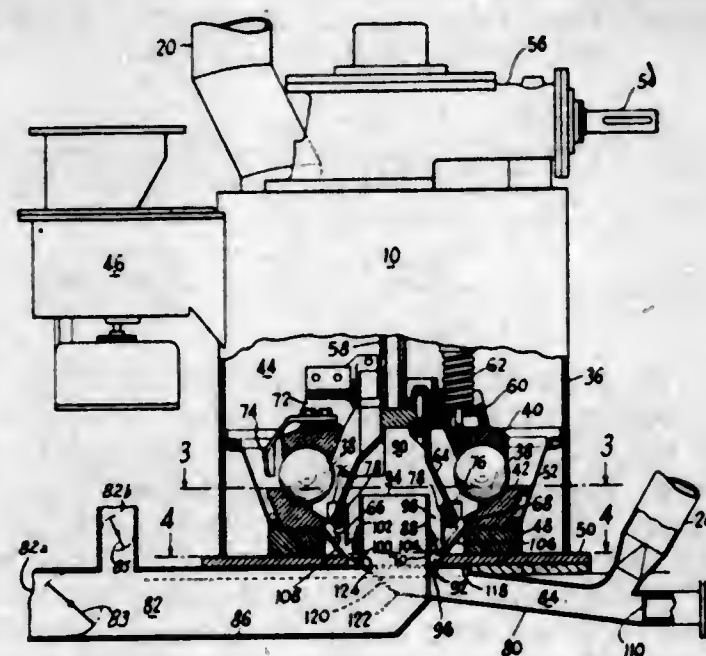
2,436,488

AIR SWEEP PULVERIZER FOR USE IN CLOSED-CIRCUIT PULVERIZED MATERIAL TRANSPORT SYSTEMS

Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application December 11, 1943, Serial No. 513,841
10 Claims. (Cl. 241-48)

1. In a pulverizer having grinding elements in the lower portion of an enclosing housing, said housing having an outlet leading from its upper portion, said elements including a member formed with a grinding surface arranged annularly about a vertical axis between a material inlet circumference and a material outlet circumference disposed at different radial spacings from said axis, means for feeding material to be pulverized to a region adjacent said inlet circumference, means forming an annular throat adjacent said outlet circumference, means for causing air to flow through said throat for transporting particles of pulverized material to and through said outlet, means for admitting said air to said pulverizer in separate upwardly directed concentric streams of which an inner stream is composed of relatively clean air and an outer stream is composed of air in which pulverized material particles are suspended, said inner air stream being admitted to the interior of said housing at a level higher than the level of admission of said outer particle-

suspending stream, means defining an annular space in the region below and adjacent said throat, means for causing said streams to be-

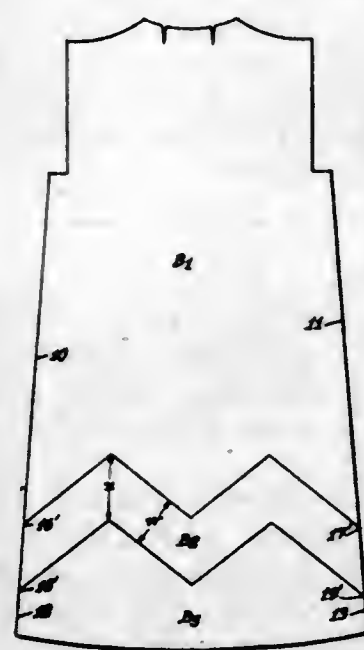


come mingled in said annular space to form a substantially homogeneous fluent mixture, and means for directing said mixture upwardly through said throat.

2,436,489

FUR COAT CONSTRUCTION

Moses J. Schiffrin, New York, N. Y.
Application July 17, 1946, Serial No. 684,195
1 Claim. (Cl. 2-65)



A fur coat body of "mouton" having a back section and two front sections joined to opposite edges of the back section; each of said sections consisting of an upper part forming the major area of the section, having an undulating lower edge, and cut from a single skin; a lower part forming a minor area of the section, having an undulating upper edge, and also cut from the single skin from which said upper part is cut; said upper and lower parts in each section being separated by an insert having an area no greater than the area of said lower part and shaped to correspond to the space between said upper and lower parts and sewed to the opposed edges thereof, the insert in each section being cut from a single skin of "mouton," the ends of the insert on the back section registering with the adjacent ends of the inserts in the front sections to form a continuous stripe around said body.

2,436,490

PRODUCTION OF MONOHALOCYCLO-ALKANES

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 29, 1944,

Serial No. 528,628

12 Claims. (Cl. 260-648)

1. A process which comprises reacting a naphthenic hydrocarbon with a halo-olefin in the presence of a Friedel-Crafts metal halide catalyst at a temperature of from about -30°C . to about 25°C .

2,436,491

METHOD OF PRODUCING A CYCLO-OLEFIN

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application April 27, 1944,

Serial No. 533,055

4 Claims. (Cl. 260-666)

1. A process which comprises reacting a naphthenic hydrocarbon with a halo-olefin in the presence of a halide catalyst of the Friedel-Crafts type and subjecting the resultant halonaphthene to dehydrohalogenation to yield an unsaturated compound.

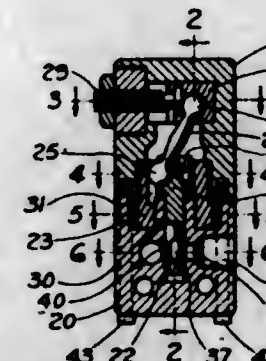
2,436,492

PUMPING UNIT FOR MECHANICAL LUBRICATORS

Ralph H. Shepard, New York, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York

Application June 6, 1946, Serial No. 674,858

9 Claims. (Cl. 184-33)



1. A pumping unit for mechanical lubricators comprising a housing having an inlet passage, an outlet passage and a cylinder, a rotary and reciprocating piston in the cylinder having a duct for alternately placing the inlet passage and the outlet passage in communication with the cylinder as the piston rotates, a driving gear within the housing concentric with and keyed to the piston and in axially slidable relation to the piston, an eccentric pivot carried by the piston and serving as means to key the gear to the piston, a fixed pivot laterally displaced with reference to the piston axis, said pivots being connected together, and means for rotating the gear and thereby rotating and reciprocating the piston.

2,436,493

MECHANICAL LUBRICATOR

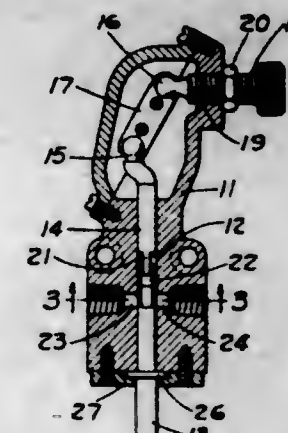
Ralph H. Shepard, New York, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York

Application July 5, 1946, Serial No. 681,511

7 Claims. (Cl. 184-27)

1. In a mechanical lubricator, comprising a housing having an inlet passage, an outlet passage and a cylinder, a rotary and reciprocating piston in the cylinder, a rotary drive shaft within

the cylinder and projecting exteriorly thereof, the drive shaft having a port for alternately placing the inlet passage and the outlet passage in communication with the cylinder as the shaft rotates, means forcing the piston to rotate in unison



with the shaft, an eccentric pivot carried by the piston, and a fixed pivot laterally displaced with reference to the piston axis, said pivots being connected together, rotation of the shaft rotating and reciprocating the piston.

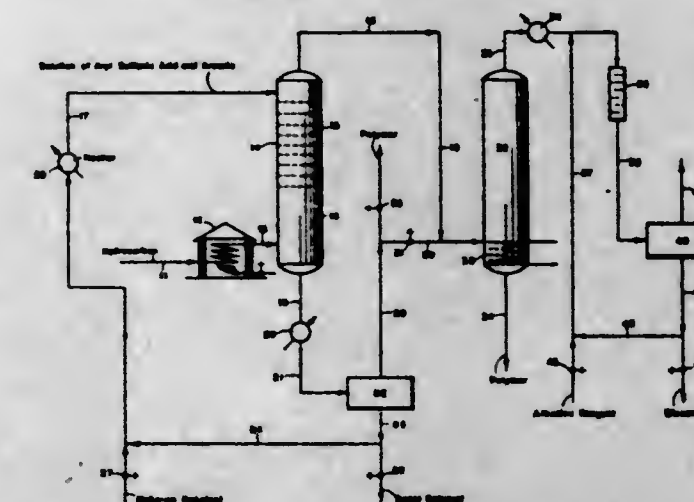
2,436,494

METHOD FOR TREATING A HYDROCARBON FEED STOCK WITH A SOLUTION OF TOLUENE SULPHONIC ACID AND SODIUM META ARSENITE

George H. Shipley, Jr., Baytown, and Glenn W. Wilson, Jr., Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Original application May 12, 1945, Serial No. 593,456. Divided and this application March 7, 1947, Serial No. 733,236

5 Claims. (Cl. 260-674)



1. A process for treating a hydrocarbon feed stock which comprises contacting the feed stock with a solution comprising a major portion of aryl sulfonic acid and a minor portion of sodium meta arsenite dissolved in an organic solvent at a temperature within the range from 100°F . to 400°F .

2,436,495

PROCESS AND APPARATUS FOR ADSORPTIVELY AND CATALYTICALLY TREATING HYDROCARBON OIL

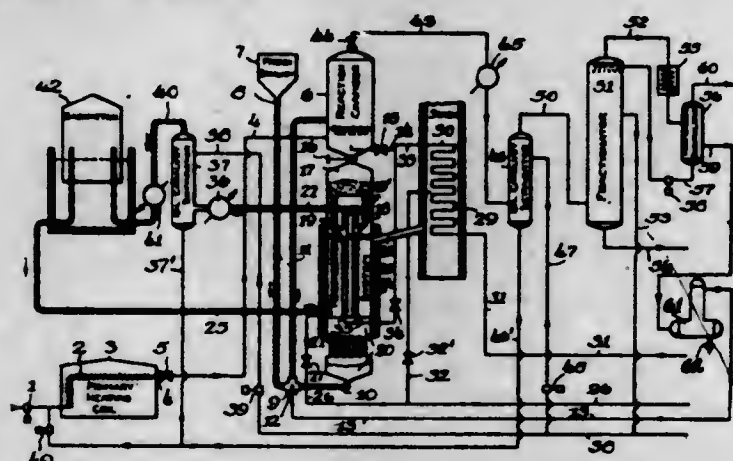
Arthur D. Smith, Park Ridge, Ill., assignor to Adsorptive Process Company, Chicago, Ill., a corporation of Nevada

Application December 26, 1945, Serial No. 637,186

7 Claims. (Cl. 196-52)

1. In a catalytic oil conversion apparatus comprising a preheating coil with charging means thereto and an effluent line therefrom connecting to a conversion drum; a fresh catalyst supply line leading to a fluid actuated eductive means adapted to inject catalyst particles to said conversion drum, a vapor line leading from said drum

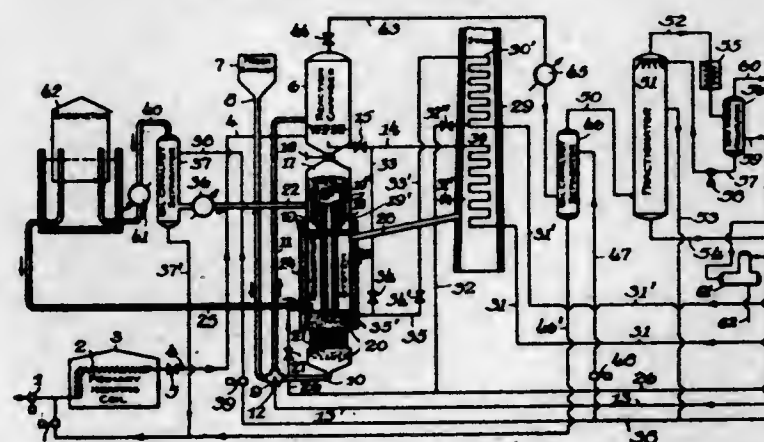
to an oil-catalyst separator, means for feeding wash oil to said separator and means for introducing resultant oil-catalyst slurry withdrawn from said separator to said preheating coil, a vapor line leading from said separator to a fractionator and a recycle oil line leading from said fractionator to the means feeding wash oil to said separator, a vapor line leading from said fractionator to a condenser and a flow line leading from said condenser to an accumulator, a flow line leading from said accumulator to a stabilizer and a vapor line leading from said stabilizer for supplying a fluid actuating medium to said educative means, a valve controlled spent catalyst discharge line leading from said conversion drum to a catalyst regenerator, said regenerator comprising a charge hopper and a discharge hopper connected by a plurality of tubular means whose longer lower sections extend through a combustion chamber in vertical disposition and whose upper sections terminate in Y bends having lateral or longer branches respectively connecting to said charge hopper and shorter vertically disposed branches to manifolds which in turn connect to a gas main, a gasometer receiving said main and a return gas line from said gasometer to said combustion chamber, a breeching leading from said combustion chamber to a stack, a superheating steam coil disposed in said stack and terminating in a plurality of jet means adapted to introduce superheated steam into each lower section of said plurality of tubular means, auxiliary heating means for said combustion chamber and said steam superheating coil, and a regenerated catalyst line leading from the discharge hopper of said catalyst regenerator to said educative means.



3. In a cyclic process for the catalytic conversion of hydrocarbons wherein a fluid hydrocarbon obtaining at a transforming temperature is contacted in a conversion zone with dispersed catalyst particles with attendant conversion of a portion of said fluid hydrocarbon into gasoline and another portion into carbon and wherein the catalyst particles become spent through adsorption of said carbon: the steps of discharging the spent catalyst particles from said conversion zone to a multi-chambered regeneration zone disposed in a combustion zone; flowing said spent catalyst particles through the regeneration zone under exclusion of free oxygen in countercurrent to steam superheated to such temperature that metathesis occurs between said carbon and said steam and producing thereby regenerated catalyst particles and a combustible gas comprising carbon monoxide and hydrogen; conducting said gas to and effecting combustion thereof in said combustion zone; respectively employing heat so generated to externally heat said regeneration zone and the hot products of such combustion to superheat said steam; and dispersing said regenerated catalyst particles in a stream of fluid hydrocarbon with introduction thereof to said conversion zone under the conditions aforesaid.

2,436,496 PROCESS FOR THE CATALYTIC TREATMENT OF HYDROCARBON OIL

Arthur D. Smith, Park Ridge, Ill., assignor to Adsorptive Process Company, Chicago, Ill., a corporation of Nevada
Application January 11, 1946, Serial No. 640,591
6 Claims. (Cl. 196—52)

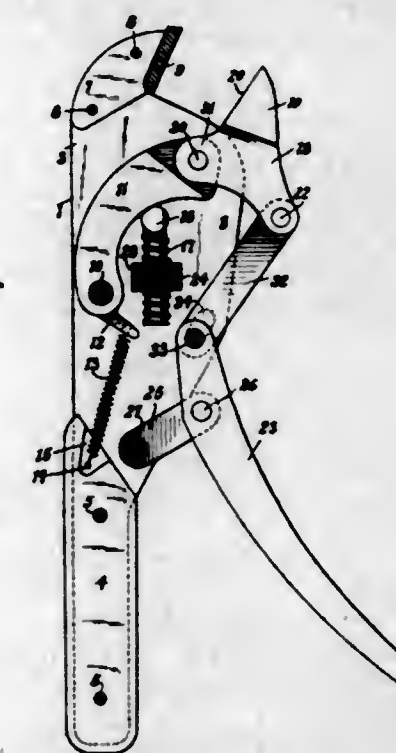


1. A process for the catalytic conversion of hydrocarbons which comprises: introducing to a conversion zone a stream of fluid hydrocarbon preheated to a transforming temperature and a second stream of fluid hydrocarbon containing dispersed catalyst particles, effecting upon comminglement of said streams conversion of a portion of said fluid hydrocarbon into gasoline of high anti-knock value and another portion into carbon with concomitant adsorption of said carbon by said catalyst particles, releasing converted and unconverted hydrocarbon vapor from said conversion zone to an oil-catalyst separation zone and freeing therein said vapor from entrained catalyst particles as an oil-catalyst slurry dispersed in a stream of wash hydrocarbon oil, conducting the washed vapor to a fractionation zone and discharging therefrom said gasoline of high anti-knock value as a vapor and recycle oil as a liquid, condensing the gasoline vapor to liquid gasoline and returning recycle oil to the oil-catalyst separation zone as said wash oil, commingling the oil-catalyst slurry with the first mentioned stream of fluid hydrocarbon, discharging from said conversion zone to a regeneration zone disposed in a combustion zone catalyst particles coated with adsorbed carbon and flowing such particles through the regeneration zone in countercurrent contact with superheated steam commingled with free oxygen wherein such oxygen is present in quantity only sufficient to combine with a predetermined minor portion of said adsorbed carbon, respectively effecting in said contact combination of said minor portion with said free oxygen and metathesis between the major portion of said adsorbed carbon and said steam with production of regenerated catalyst particles and a combustible gas comprising carbon monoxide, carbon dioxide and hydrogen, conducting the combustible gas to said combustion zone, and dispersing the regenerated catalyst particles in said second stream of fluid hydrocarbon with introduction thereof to said conversion zone in the manner aforesaid.

2,436,497
WRENCH WITH TOGGLE-ACTUATED PIVOTED JAW
Francis A. Snell, Binghamton, N. Y., assignor, by mesne assignments, to BMC Manufacturing Corporation, Binghamton, N. Y., a corporation of New York
Application March 23, 1945, Serial No. 584,431
13 Claims. (Cl. 81—84)

1. In a tool of the character described, a frame including a fixed jaw, a movable jaw, a pair of

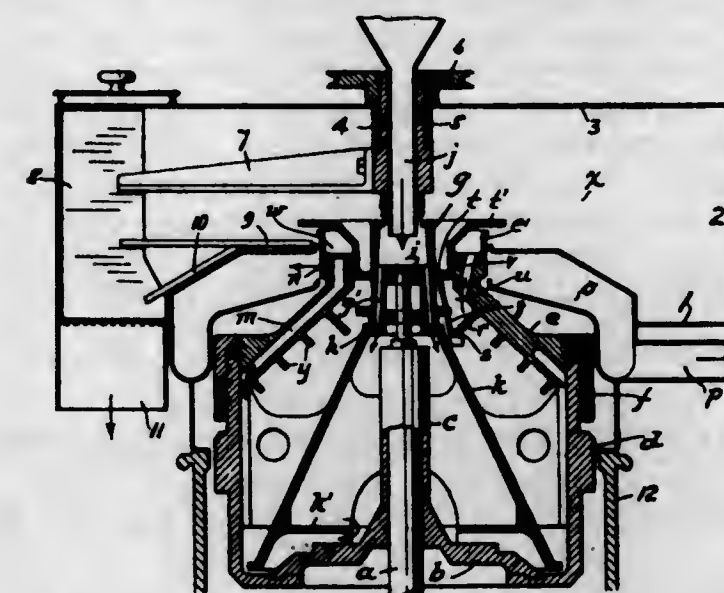
links, each link being pivoted at one of its ends to the frame, the pivot for one of the links having a limited shifting movement relative to the pivot for the other link, said links having their



ends remote from their pivots pivotally attached to the movable jaw, an actuating handle pivotally connected to the shifting pivot, and a link pivoted at one end to the actuating handle and at its other end to the frame.

2,436,498 APPARATUS FOR USE IN THE CENTRIFUGAL SEPARATION OF SERUM FROM CHEESE CONSTITUENTS

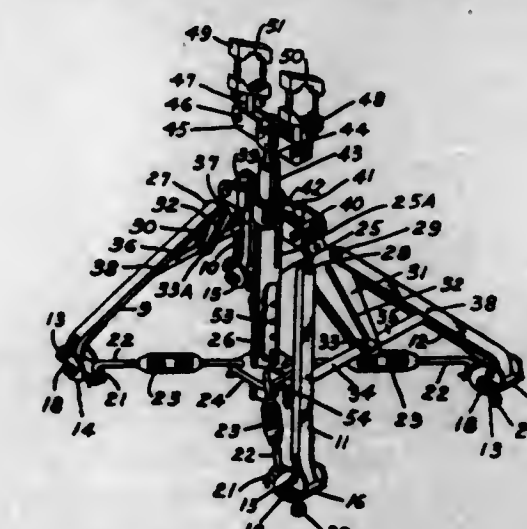
George J. Strezynski, Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application May 5, 1944, Serial No. 534,238
12 Claims. (Cl. 233—4)



1. A centrifuge adapted especially for the separation of cheese constituents from whey or serum of higher specific gravity, comprising a rotatable bowl body and bowl top, a bowl neck carried by, and rotatable relatively to, the bowl, a frusto-conical partition carried by said neck and dividing the bowl into an inner chamber for receiving and distributing the mixture to be separated and an outer separating chamber, means providing a passage between said chambers, a feed tube from which the mixture to be separated flows through said neck into said inner chamber and thence into said outer separating chamber, said separating chamber having a peripheral outlet for the heavier separated constituent and an annular outlet for the lighter separated constituent between the bowl top and the bowl neck and parti-

tion, and a plow rotatable with said neck and partition and located approximately at the outlet for the lighter separated constituent and adapted to prevent clogging of said outlet.

2,436,499
TRUCK SADDLE MOUNT
Chester Williams, Ypsilanti, Mich.
Application November 30, 1945, Serial No. 631,898
8 Claims. (Cl. 280—33.44)



1. In a device of the character described, the combination of a telescoping vertical member, oppositely disposed pairs of diverging legs secured to said vertical member, pivotable clamps at the ends of said diverging legs adapted to engage a truck frame, adjustable means connecting said clamps with said vertical member, and means at the end of said vertical member for supporting the front axle of a second truck.

2,436,500
WEEDER
Robert L. Anderson, Youngstown, Ohio
Application November 14, 1946, Serial No. 709,714
1 Claim. (Cl. 294—50.8)

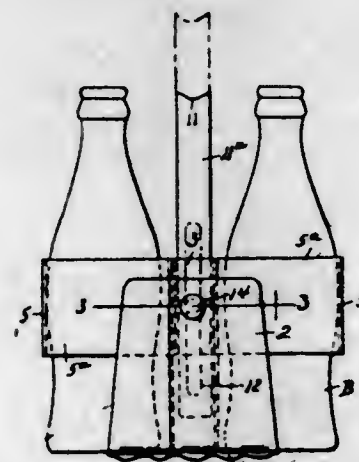


In a weeding tool having a handle member with a ground engaging knife formed on one end thereof, and a pivotally mounted clamping member, and means for remotely actuating the same, a bent section in the said knife member forming a transversely broad groove therein inwardly from the blade edge thereof, the said clamping member having a curved end portion of a contour similar to that of the said bend in the knife and positioned for registry therewith when moved in a clamping action as upon a weed to be removed.

2,436,501

BOTTLE CARRIER

Ludwig S. Baier, Milwaukee, Oreg.
Application May 3, 1946, Serial No. 666,863
5 Claims. (Cl. 224-48)

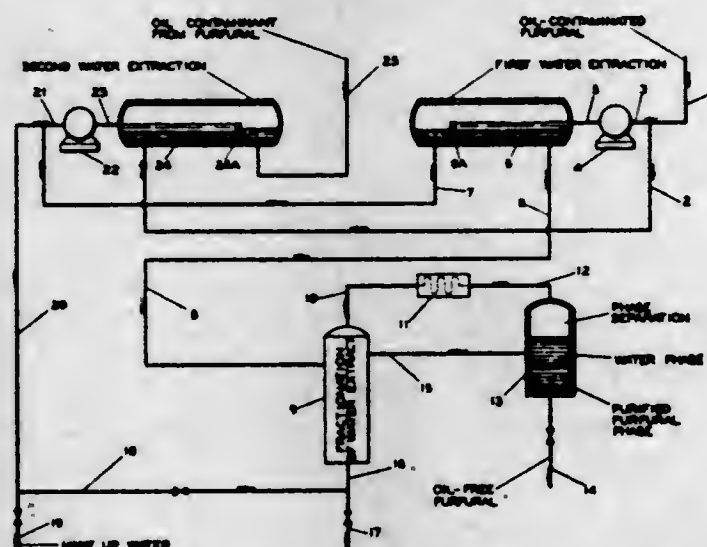


1. A bottle carrier comprising a bottom plate with upstanding ends, said ends having vertical grooves; side plates having bent-over parts one of which bent-over parts of each side plate being vertically grooved to fit into the vertical grooves of said upstanding ends, the other bent-over part of each side plate having a bent-over end edge to fit within the vertical groove of the first bent-over part of the side plates and providing therewith a vertical channel; a handle member having legs projected into said channels, said legs being provided with longitudinal slots and said bent-over parts of said side plates and said upstanding ends having bolt holes aligning with one another; and suitable fasteners secured through said holes.

2,436,502

FURFURAL RECOVERY

Charles Keith Buell and Charles F. Weinaug, Borger, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application February 8, 1945, Serial No. 576,856
2 Claims. (Cl. 260-347)



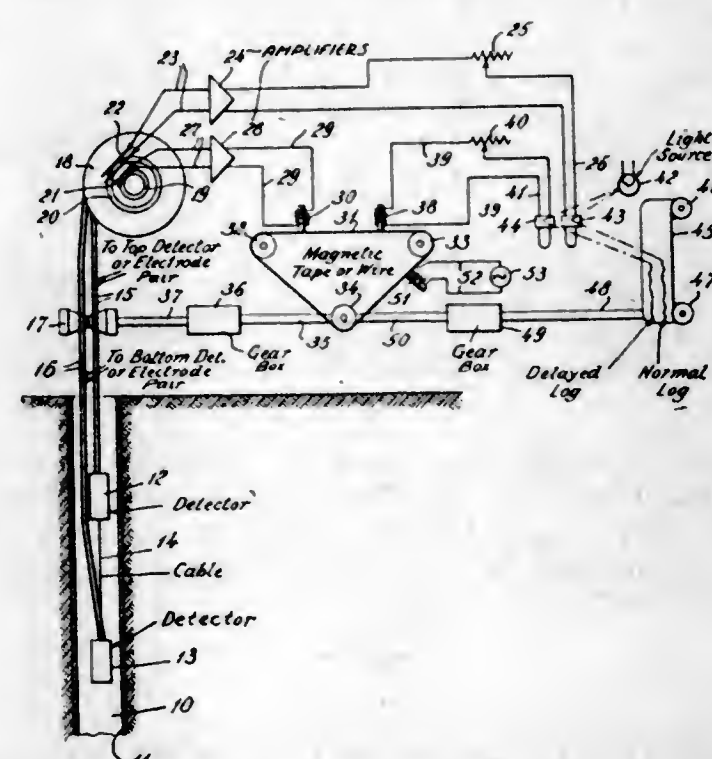
1. The process of recovering furfural from admixture with foam producing oils which are not readily removed from furfural by distillation which comprises extracting such furfural-oil mixture with water at a temperature in the range from 90° to 150° F., controlling the quantity of water used in the extraction so that the resulting aqueous phase is from 50 to 25 per cent saturated with furfural, separately withdrawing said aqueous phase and a resulting oil phase, subjecting said aqueous phase to fractional distillation in a fractionation column and thereby separating it into an overhead fraction of furfural and water in azeotropic proportions and a bottoms fraction of water, condensing said overhead and causing the liquid condensate to sepa-

rate into a water phase and a furfural phase essentially free of oils, withdrawing said water phase and refluxing said column therewith, and separately withdrawing said furfural phase as the product of the process.

2,436,503

DELAYED WELL LOGGING

James Y. Cleveland, Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1944, Serial No. 569,345
10 Claims. (Cl. 164-0.5)

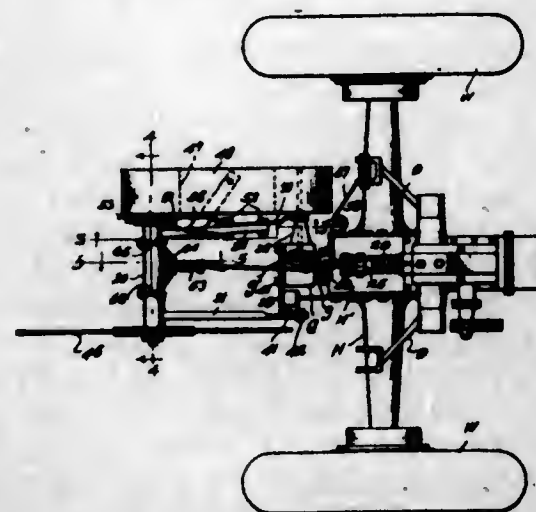


1. A method of positioning a perforator in a previously logged well that comprises the steps of simultaneously traversing the well with a well logging detector and a perforator which are maintained in vertically spaced relationship so that the detector will lead the perforator, said well logging detector producing electrical signals characteristic of the strata penetrated by the well as it traverses the well, transmitting the signals to the surface of the earth, delaying the signals a predetermined period of time, said period of time being that required for the perforator to reach the stratum where the signals were produced, and recording the signals in coordination with the depth at which they were produced.

2,436,504

LOG SAWING ATTACHMENT FOR TRACTORS

Allen D. Dunklee, Bowesmont, N. Dak.
Application March 23, 1944, Serial No. 527,819
1 Claim. (Cl. 143-43)



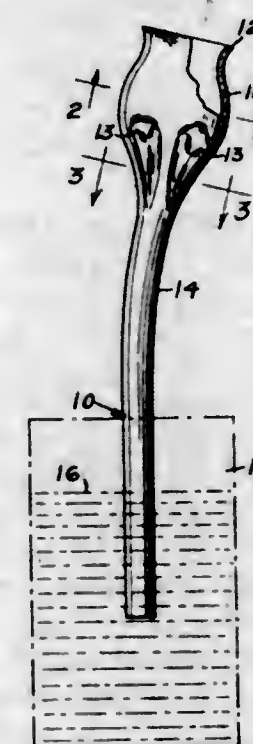
In combination with a tractor having hydraulic lift apparatus including power-operated vertically

movable lift arms and a draft-sensitive element for controlling the operating means for said lift arms, said tractor further including a rearwardly extending power take-off shaft, a sawing attachment comprising a saw-carrying frame pivotally mounted upon the rear of the tractor for vertical swinging movement and including a rotary saw, means operatively connecting said saw with the power take-off shaft of the tractor, and means operatively connecting said saw-carrying frame with one of said lift arms for raising said frame to withdraw the saw from the work, said last-named means including a flexible member attached to the frame at one end and to one of the lift arms at the other end, and guide pulleys around which said flexible member passes, one of said guide pulleys being attached to said draft-sensitive element for controlling the lift apparatus in accordance with the resistance offered to withdrawal of the saw from the work.

2,436,505

PILL DOUSER

John H. Du Rall, Mounds, Ill.
Application August 24, 1945, Serial No. 612,399
1 Claim. (Cl. 128-222)



A device of the class described, comprising a tube having a curved portion, a bowl body opening outwardly and merging with one end of the tube, said body being oval shaped longitudinally and oval shape in cross section and of a size adapted to be inserted in the mouth of a person, said body having indentations to provide restricted areas forming interior seats without interfering with the flow of fluid through the tube and body when a solid object is within the body, and a mouth flange rim at the outward opening of the body.

2,436,506

FISHING TOOL

Charles R. Edwards, Houston, Tex.; Frances Robertha Edwards, executrix of said Charles Ross Edwards, deceased
Original application May 13, 1940, Serial No. 334,947. Divided and this application May 1, 1945, Serial No. 591,374
11 Claims. (Cl. 294-86)

8. A releasable overshot comprising a housing, a gripping member and a pack-off member positioned therein, a wash pipe connected to said housing, said wash pipe including a plurality of

fluid passages, and a safety joint associated with said housing and wash pipe operable to release

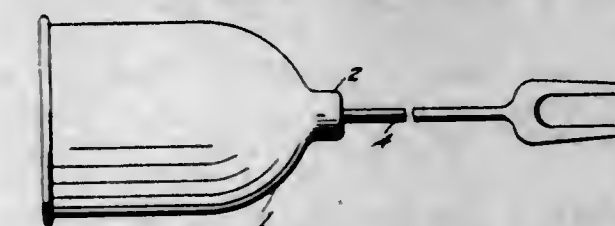


said wash pipe from said housing when said wash pipe becomes stuck in a well bore.

2,436,507

HAND SHIELD FOR COOKING UTENSILS

Frances E. Ellwood, Manhattan Beach, Calif.
Application March 25, 1946, Serial No. 656,963
2 Claims. (Cl. 2-17)

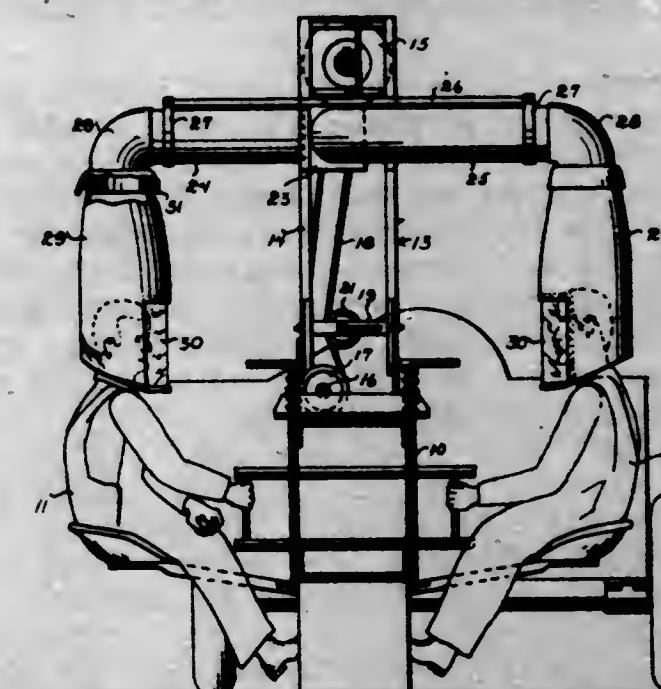


1. In a hand shield for a cooking utensil having a shank, a handle attachable to said shank in axial continuation thereof, the inner end of said handle terminating in a cylindrical portion behind which is an annular shoulder, and a cup-shaped frame having a perforation in the bottom thereof for passage of the shank of the utensil therethrough and made with a cylindrical recess at the bottom thereof for fittingly receiving the cylindrical end portion of the said shoulder abutting the inner frame surface at the entrance to said recess.

2,436,508

MACHINE MOUNTED HOOD DEVICE FOR PROTECTING ATTENDANTS FROM DUST

Glen Fairbanks, Twin Falls, Idaho, assignor of one-half to Edward Babcock, Twin Falls, Idaho
Application March 18, 1947, Serial No. 735,449
3 Claims. (Cl. 98-115)



1. A dust removing and air conditioning device for farm machines which comprises a frame

adapted to be connected to a farm machine and to extend upwardly to a high elevation, a blower connected to the top of the frame, drive means extending downwardly from the blower and adapted to be connected to a moving part of the machine whereby the blower will be operated, and transversely extending pipes extending from the blower toward the sides of the machine, bracing means extending from the frame to support the outer ends of the pipes, and means including hoods depending from the outer ends of the pipes through which fresh air from the blower will be delivered, said hood being of flexible material and adapted to be extended over the heads of workmen on the machine, said hoods having windows through which the workmen can gaze.

2,436,509

METHOD FOR OBTAINING GRANULAR ALUMINA

Charles L. Faust, Columbus, Ohio, assignor, by mesne assignments, to Reconstruction Finance Corporation, a corporation of the United States
No Drawing. Application May 10, 1945,
Serial No. 593,097

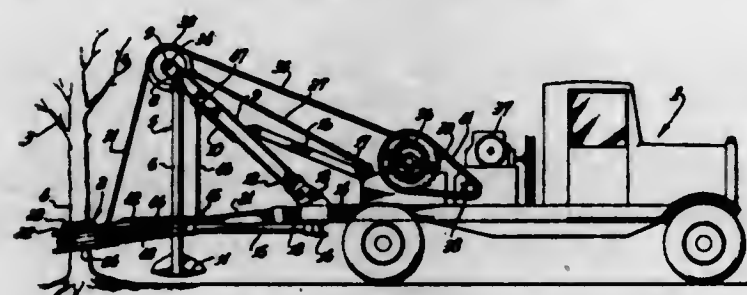
13 Claims. (Cl. 23—143)

1. In a process for obtaining an insoluble, solid, apparently crystalline hydrate of a trivalent metal from a crystalline alum containing said trivalent metal as a part of its crystalline structure, the steps which comprise dispersing said crystalline alum in a mixture of a concentrated aqueous solution of an hydroxide selected from the group consisting of alkali metal hydroxides and ammonium hydroxide with a solution-inhibiting agent selected from the group consisting of glycerine, ethanolamines and pyridine, and allowing the mixture to stand until the negative ion of the alum has been substantially completely replaced by the hydroxyl ion.

2,436,510

TREE PULLING APPARATUS

Herbert N. Ferguson, Fontana, Calif.
Application March 24, 1945, Serial No. 584,643
2 Claims. (Cl. 254—139.1)



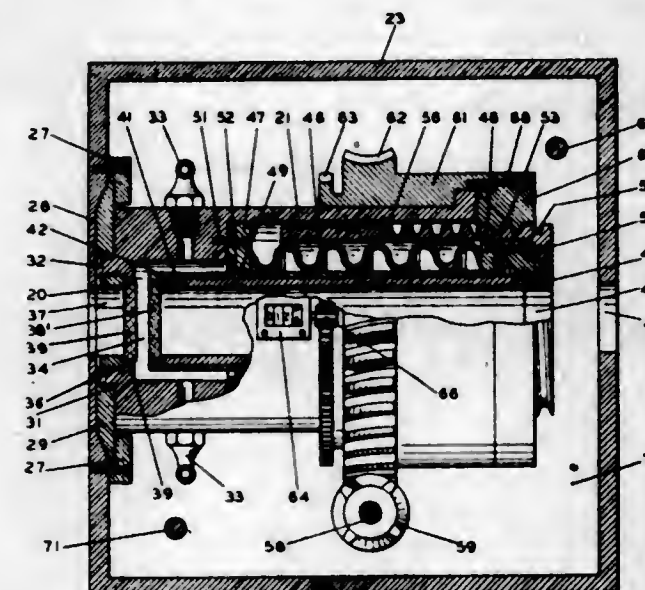
1. A tree pulling apparatus comprising: a vehicle; pulling means pivotally mounted on said vehicle for swinging movement about a horizontal axis and extending outward from said vehicle in a substantially horizontal direction, whereby the outer end thereof moves substantially vertically upon such swinging movement; power means mounted on said vehicle; lifting mechanism operable by said power means and connected to said pulling means for swinging said pulling means upward about said horizontal axis; two spaced coacting jaws provided with curved gripping faces directed toward one another, mounted on said pulling means adjacent the outer end thereof for rotation about substantially parallel axes eccentric with respect to said faces, and biased downwardly about said axis by gravity; the spacing of said faces from the respective axes of rotation of said jaws increasing progressively in an upward direction; and means cooperating with

said jaws to cause them to rotate upward about their respective axes upon downward movement of said pulling means and to permit them to rotate downward about their respective axes upon upward movement of said pulling means.

2,436,511

RADIATION ABSORPTION CELL FOR OPTICAL TESTING APPARATUS

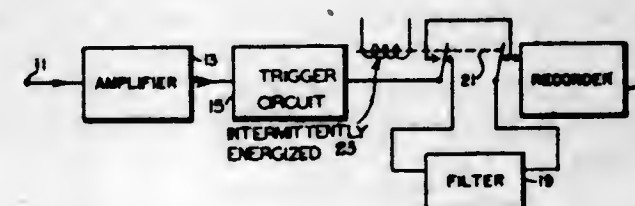
William E. Flatford and Francis W. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application September 7, 1943, Serial No. 501,506
4 Claims. (Cl. 88—14)



1. In an optical testing apparatus, a radiation absorption cell comprising in combination an outer cylinder, a first transparent plate closing one end of the outer cylinder, an inner cylinder in telescoping relationship with the outer cylinder, a second transparent plate closing the corresponding end of the inner cylinder, a bellows sleeve connecting the opposite end of the inner cylinder to the outer cylinder, whereby an expansible fluid-tight chamber is formed with relatively movable transparent walls, means to move the plates together and apart, means to supply fluid to the chamber under suitable absolute pressure and means to indicate the distance between the plates.

2,436,512

PULSE FREQUENCY SELECTIVE RECORDER
John M. Hollywood, Washington, D. C., assignor to the United States of America, as represented by the Secretary of War
Application January 17, 1946, Serial No. 641,841
1 Claim. (Cl. 234—1.5)

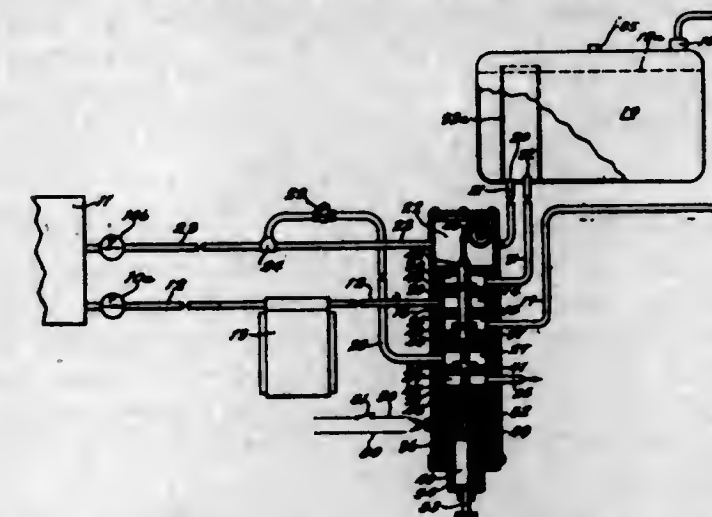


A combination for recording pulse signals including signals of predetermined pulse frequency, comprising a square wave generator controlled by successive pulses to generate successive half cycles of square wave output, means to apply the output of said square wave generator to a recorder alternately directly and through a filter, said filter having a pass band of one-half the predetermined pulse frequency, whereby signals of said predetermined pulse frequency are continuously recorded and signals of other pulse frequencies are intermittently recorded.

2,436,513 LUBRICATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Robert J. Hostetter, Los Angeles, Calif., assignor to The Garrett Corporation, Aircor Research Manufacturing Company Division, Inglewood, Calif., a corporation of California

Application July 17, 1942, Serial No. 451,252
14 Claims. (Cl. 123—196)

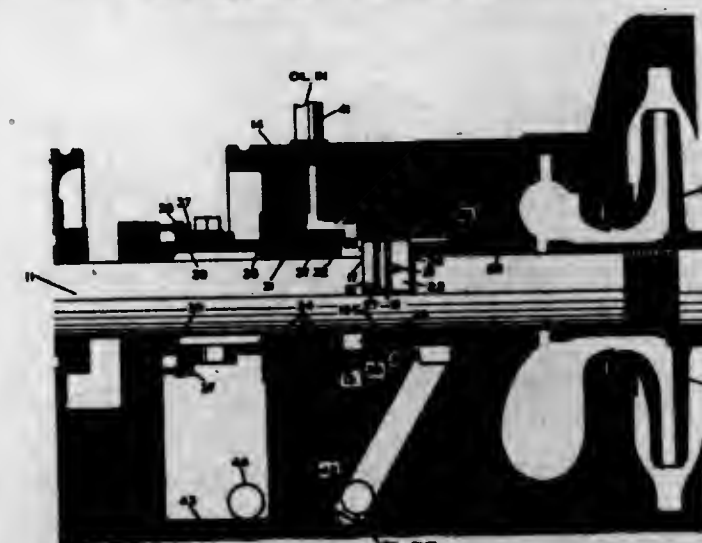


1. In the lubricating system of an internal combustion engine, the combination of: means for moving a stream of lubricating oil over a circulatory route into and out of the engine, said means including an oil reservoir having a main portion; normally inoperative means for locally introducing a lubricant diluent of low viscosity into the said oil stream between said reservoir and the engine; temperature controlled means bypassing the main portion of said reservoir for establishing a circulatory route exclusive of said main reservoir portion and inclusive of said introducing locus; and independently acting means for synchronously relating the operation of said introducing means and said bypassage means so that the oil stream will pass through said bypassage means during the time of introduction of diluent into said oil stream.

2,436,514

MECHANICAL SEAL FOR CENTRIFUGAL PUMPS

Gerald P. Jennings, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 26, 1945, Serial No. 630,955
2 Claims. (Cl. 103—111)



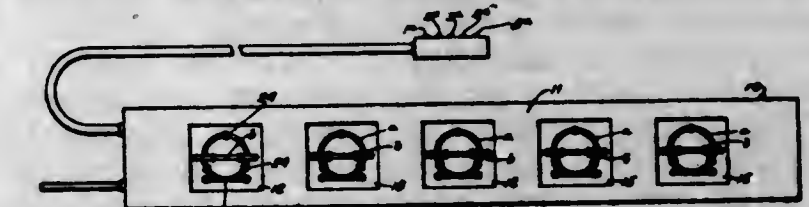
1. In a high pressure pipe transportation system in which a liquid is pumped by a multistage centrifugal pump having two dual packing assemblies, one assembly adapted to seal the high pressure end of the pump volute and the other assembly adapted to seal the low pressure end of the pump volute, and each packing assembly consisting of an inner metal-to-metal seal and an outer packing ring seal and each packing assembly disposed in a stuffing box containing seal

oil, the method of maintaining in a sealed and leakproof condition said metal-to-metal inner seal comprising passing seal oil through the stuffing box at the high pressure end of the pump volute at a pressure greater than the high pressure stage discharge pressure, reducing the pressure on the seal oil and subsequently passing said seal oil through the low pressure stuffing box at the low pressure end of the pump volute at a pressure above the discharge pressure of the low pressure stage of the centrifugal pump, and cooling the oil prior to passage through either stuffing box.

2,436,515

SYSTEM FOR VISUAL CODE SIGNALING

Graves M. Jones, Beaumont, Tex., and Otha A. Akin, New Orleans, La.
Application December 18, 1945, Serial No. 635,807
3 Claims. (Cl. 177—337)

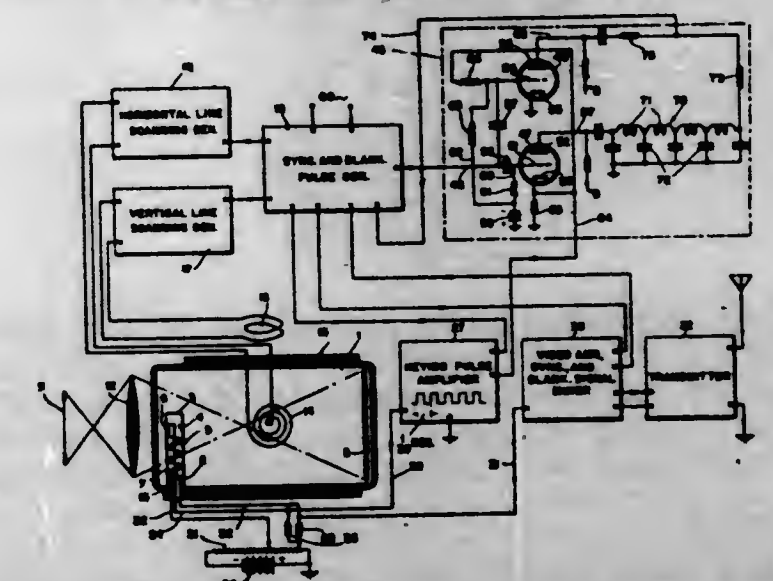


3. System of visual signaling by a dot and dash code comprising a panel, a rectilinear arrangement of luminous tubes extending longitudinally of said panel at an adjacent series of stations in number equal to the maximum of code characters in any letter in the code alphabet, there being a dot and dash tube at each station, the dot tubes being circular and the dash tubes being straight and positioned diametrically with respect to said dot tubes in a common longitudinal line, said tubes being independently electrically energized, and a control circuit for each tube including a switch, said switches being arranged as a keyboard for convenient selective simultaneous group manipulation of the same.

2,436,516

TELEVISION RELIEF PICTURE SYSTEM

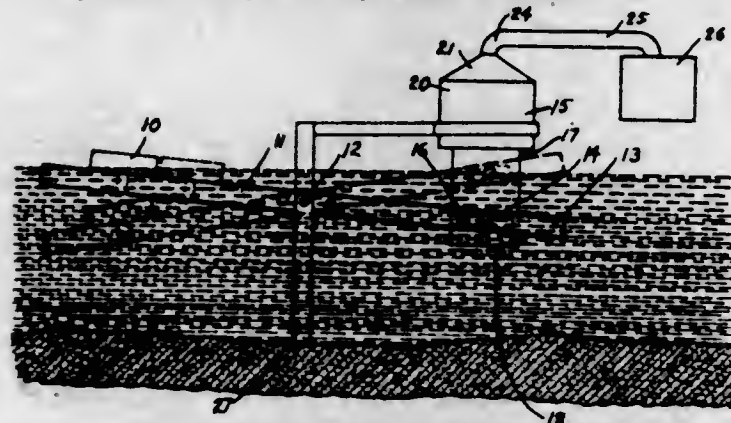
Christian C. Larson and Clyde E. Hallmark, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application March 29, 1945, Serial No. 585,538
23 Claims. (Cl. 178—6.5)



20. The method of transmitting and receiving television pictures in relief comprising the steps of deriving successive groups of picture signals representative of an object to be transmitted, transmitting said groups of picture signals, receiving said groups of picture signals, reproducing said successive groups of picture signals to obtain successive complete television images, and periodically displacing one of said television images with respect to another one of said television images.

2,436,517 WAVE PUMP

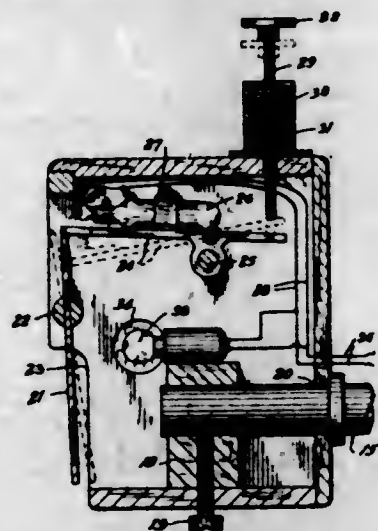
Norman M. Lewis, Olton, Tex.
Application August 19, 1946, Serial No. 691,506
3 Claims. (Cl. 103-69)



1. A wave motor comprising in combination, a rigid support for placement in water having a substantial wave action movement therein, a lever having a plurality of fulcrum holes for adjustably positioning the lever on said support and providing a relatively long arm on one side and a relatively short arm having an elongated slot at the other side, an adjustable float mountable on said long arm, an adjustable connection on the short arm, a hollow cylinder adjustably attached to the elongated slot in the short arm by said connection and operated thereby, a housing for the cylinder to operate in and carry water entrained therein and raise it to a higher level than that of the operating waves, and a conductor for carrying off said pumped water to an extraneous location.

2,436,518 HOSPITAL BED SIGNAL

William R. Lieffers and Richard T. Adams,
Denver, Colo.
Application February 12, 1945, Serial No. 577,560
1 Claim. (Cl. 200-52)



A bed patient's signal operating device comprising: a supporting device; a signal box supported by said device alongside of the patient, said box being closed on its sides, top, bottom and back and having an open front; a horizontal pivot shaft extending across said open front above the middle thereof; a swinging panel mounted on said pivot shaft and extending vertically above and below the latter to form a front in said box; a cross-shaft extending across the upper portion of said box parallel to said pivot shaft; a tilting platform hinged on said cross-shaft and extending forwardly to rest on and be supported by the upper edge of said panel when the latter is in a vertical position and to be released by said panel when the bottom of the latter is swung inwardly; and a circuit closing device operable in consequence of the tilting of said platform when released by said panel, the

sides of said box being cut back opposite the lower portion of said panel to allow the latter to be contacted by the patient's body when the latter is placed across the front of said box.

2,436,519 MANUFACTURE OF FLAKED CEREAL-SOYA PRODUCT

Charles E. Luke, Irwin, Pa., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 11, 1943,
Serial No. 505,808
7 Claims. (Cl. 99-83)

1. The process of making a toasted, flaked cereal product having a high protein content from cereal grain having a low protein content, which comprises mixing soya bean flour containing not over about 15 percent of oil with cereal grain particles appreciably larger than flour size, cooking the mix, forming flakes from the mix, and toasting the flakes.

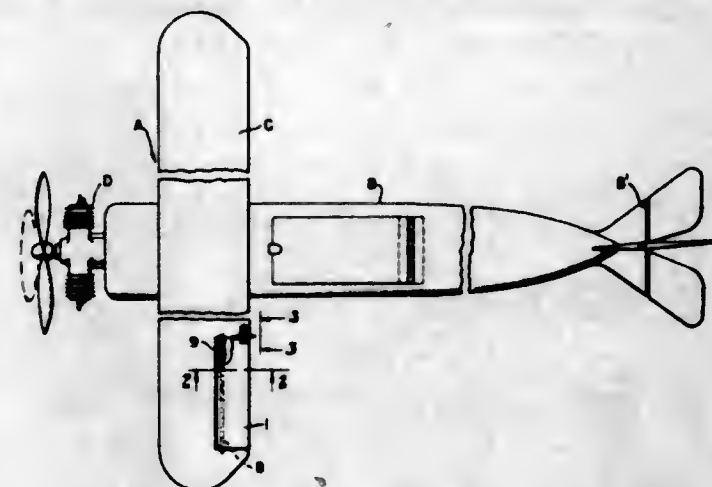
2,436,520 GRAIN REFINING MAGNESIUM ALLOYS

Charles H. Mahoney, Harley C. Lee, Allan L. Tarr, and Pierre E. Le Grand, Boulder City, Nev., assignors, by mesne assignments, to Reconstruction Finance Corporation, a corporation of the United States
No Drawing. Application May 3, 1944,
Serial No. 533,928
7 Claims. (Cl. 75-67)

1. The method of producing magnesium base alloys of fine grain structure which comprises melting a magnesium base alloy and then treating the molten alloy with a hydrocarbon in which carbon is released in active form at the temperature of treatment.

2,436,521 TORQUE STABILIZER FOR AIRCRAFT

Neill F. McGaffey, Inglewood, Calif., assignor to Radioplane Company, Van Nuys, Calif., a corporation of California
Application October 31, 1944, Serial No. 561,212
5 Claims. (Cl. 244-76)

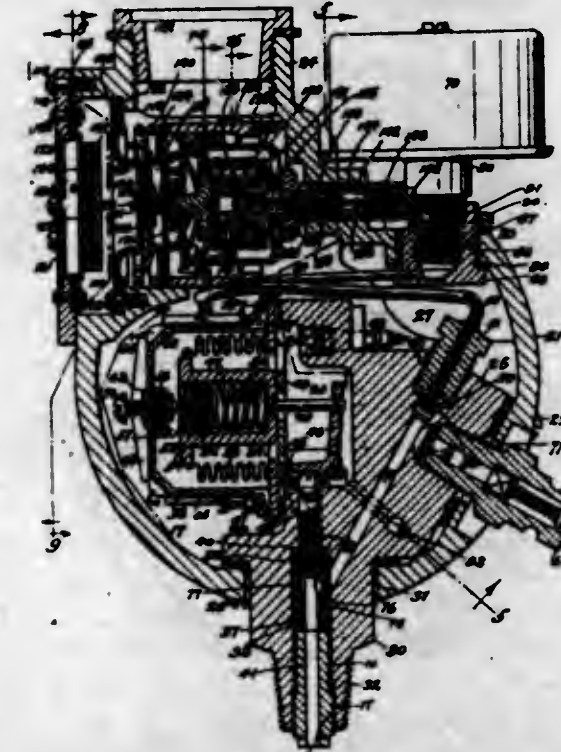


3. In a pilotless, radio-controlled airplane: an auxiliary airfoil mounted in a spanwise cutout in the trailing edge region of the wing for rotation in a vertical plane; airfoil biasing means normally tending to urge said airfoil into a downwardly deflected position; a spring loaded detent member pivotally mounted on the body of the wing to extend into juxtaposition with the inboard end of said auxiliary airfoil at its trailing edge and having a spring urged tendency to rotate into engagement with the trailing edge of the airfoil, said airfoil and said spring loaded detent member at all speeds below a predetermined

value being spring-maintained in angular contact with each other below the wing; and means in said detent and in said airfoil and responsive to aerodynamic pressures on the airfoil above said predetermined value, for disengaging the airfoil from said detent in said deflected position and ly into locking relationship with another portion of the detent.

2,436,522 BREATHING APPARATUS

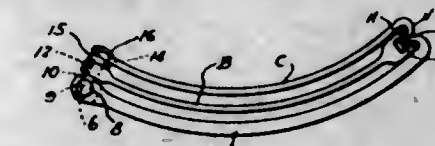
Phillip E. Meldenbauer, Jr., Lancaster, N. Y., assignor to Scott Aviation Corporation, Lancaster, N. Y., a corporation of New York
Application December 1, 1944, Serial No. 566,080
13 Claims. (Cl. 137-153)



1. A breathing apparatus comprising a case having a gas delivery chamber and a respiration chamber, means for conducting gas from said delivery chamber to said respiration chamber having a valve seat, a valve member movable toward and from said seat, an aneroid having a bellows diaphragm and front and rear heads at opposite ends of the diaphragm, an aneroid tube connected with the rear head of the aneroid, and provided with an external screw thread, an adjusting tube having an internal screw thread which receives the external thread of said aneroid tube and also provided with an external screw thread which engages with an internally threaded opening in the case, and a stem connected with the front aneroid head and operatively connected with said valve.

2,436,523 HAIR CURLER

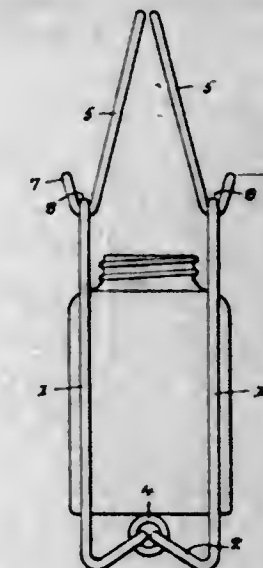
Isaac Meohas, Long Beach, Calif.
Application November 23, 1946, Serial No. 712,024
7 Claims. (Cl. 132-41)



1. A hair curler comprising the combination of three limbs, one of said limbs being curved in the form of an arc with a clamping lip at one end and having hinging and pivoting means at the other end, another limb with an arc similar to the arc in the first mentioned limb and being attached at one end to the above mentioned hinging and pivoting means, a third limb with an arc similar to that of the two above mentioned limbs and also being attached to the hinging and pivoting means above described.

2,436,524 CANNING RACK

Lucile M. Oberman, Escondido, Calif.
Application June 3, 1946, Serial No. 673,977
1 Claim. (Cl. 224-48)



A canning rack, comprising a pair of U-shaped side members having legs with their lower ends bent upwardly and inwardly, the ends of the legs being also bent towards each other, a tube receiving the bent ends of the legs and acting as a hinge, and handles having portions to detachably engage the side members.

2,436,525 LINER SETTING AND CEMENTING TOOL

Roland E. O'Donnell, Midland, Tex.
Application April 19, 1943, Serial No. 483,601
2 Claims. (Cl. 166-1)

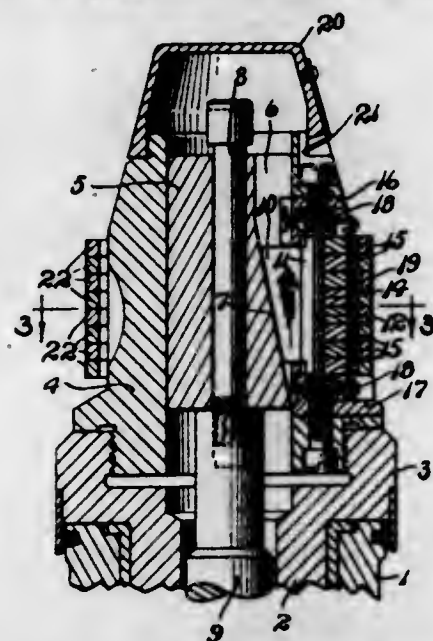


1. In combination, a liner for use in oil wells having a collar provided with supporting slots, a mandrel adapted to be connected on tubing and having latching means cooperating with the slotted collar of said liner to connect the liner to the mandrel, said latching means including a case integrally secured on the mandrel and having J-slots therein, pins mounted in floating position between the main body of the mandrel and said case, said pins having studs projecting through the J-slots in said case and, when in the upper portion of said J-slots, extending into the supporting slots on the collar of said liner, both said mandrel and said case having variations in diameter in the annular space between the two to provide guiding means to move said pins radially inwardly in response to relative rotational and longitudinal movement of said mandrel with respect to said pins to withdraw the studs on said pins from the slots in the collar of said liner.

2,436,526

PISTON RING ARBOR

Holly M. Olson, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application April 1, 1946, Serial No. 658,817
7 Claims. (Cl. 279—2)

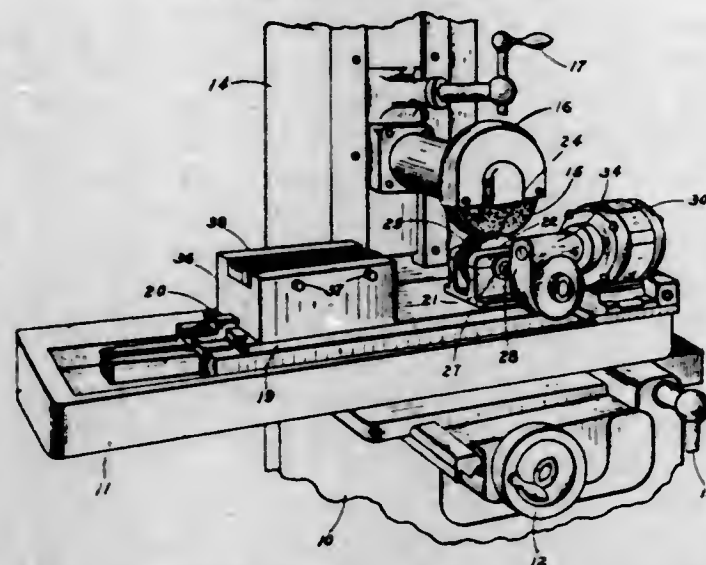


1. An arbor comprising, a body adaptably mounted for rotation about its longitudinal axis, said body having a plurality of spaced longitudinal openings in its sides, said openings being elongated in the direction of the length of the body and said body having an axial passage therethrough, an actuating member mounted for reciprocable movement within said passage, said actuating member having a plurality of inclined faces, one in opposition to each of said openings through the body; means for moving said actuating member selectively in either direction, and radially positioned expanding members located one in each opening and at its inner side having an inclined face to bear against an associated inclined face on the actuating member, a plurality of ring casting engaging jaws disposed in side by side relation to each other at each of the openings in the body, yielding means between each of said plurality of jaws and the outer side of each of said radially expanding members, and yielding means acting on said jaws to normally press them inwardly.

2,436,527

MACHINE TOOL

Louis F. Polk and Willis Fay Aller, Dayton, Ohio, assignors to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application August 21, 1944, Serial No. 550,379
8 Claims. (Cl. 125—2)



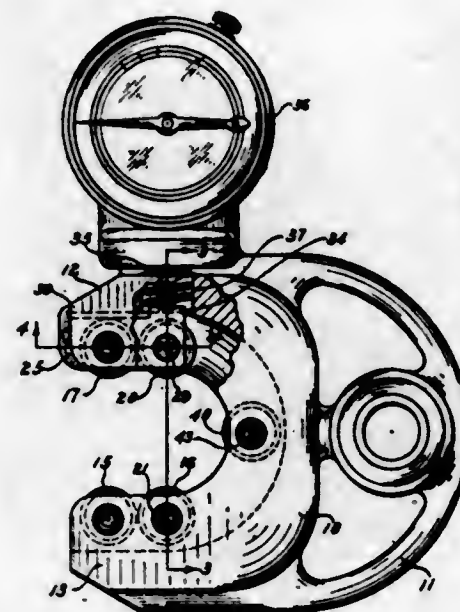
1. A self-contained crusher wheel and drive unit adapted to be fixed on the reciprocable work table of a surface grinder for operation back and forth with the work in a plane directly below

the grinding wheel of the surface grinder, said unit comprising a base having a wheel mount, a crusher wheel rotatably supported on said mount and having a surface form similar to that to be imparted to the grinding wheel of the surface grinder, an electric motor carried by said base, and a positive speed reducing drive connection between said motor and said crusher wheel.

2,436,528

SCREW THREAD GAUGE

Louis F. Polk and Willis Fay Aller, Dayton, Ohio, assignors to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application November 10, 1944, Serial No. 562,778
2 Claims. (Cl. 33—199)

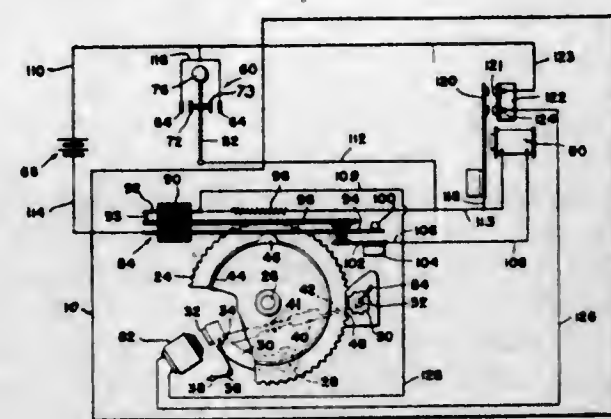


1. A gauge for checking threads comprising a support, an annularly ribbed rotatable anvil mounted on said support, a second annularly ribbed anvil, a pivot block in which said second anvil is rotatably mounted, said anvils being arranged in opposed relation and having only a few ribs for gauging pitch diameter, a set of rotatable anvils having more than two thread engaging ribs for checking thread lead, one of the anvils of said set being arranged adjacent said second anvil on a shaft which constitutes a pivotal support for said block whereby said block is movable to bodily move said second anvil towards and from said first anvil, and an indicator having an operating member engaged and moved by said block.

2,436,529

INERTIA TRIPPING MECHANISM

Jackson H. Pressley, Marion, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application May 5, 1944, Serial No. 534,231
9 Claims. (Cl. 274—1)



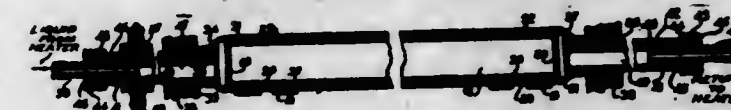
2. In an automatic phonograph including a tone arm and a record-changing mechanism, a first electrical circuit comprising a tone arm

switch, a relay including a switch, said relay being responsive to the closure of said tone arm switch, a second electrical circuit comprising an electromagnet operatively associated with said record-changing mechanism adapted to start the record-changing cycle upon closure of said relay switch, a transfer switch responsive to movement of said record-changing mechanism to hold said second circuit closed during the change cycle, means associated with said record-changing mechanism to open said circuits at the completion of the change cycle, and auxiliary means common to the first and second circuits and operatively associated with said transfer switch to automatically prevent the energization of said circuits after the change cycle is completed.

2,436,530

ROLL FOR IRONERS

Joseph B. Sando, Kansas City, Mo., assignor to Western Laundry Machinery Company, a corporation of Missouri
Application July 17, 1943, Serial No. 495,180
In Canada June 11, 1943
8 Claims. (Cl. 38—65)

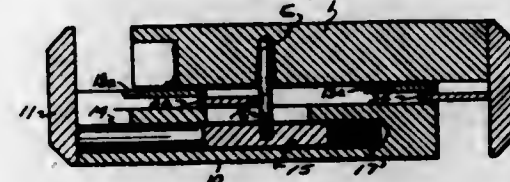


1. In a flat work ironer, a roll, and means for heating said roll comprising means providing an annular restricted passage adjoining the ironing surface thereof, means for passing live steam through said passage lengthwise of said roll and means for accelerating the rate of flow of steam therethrough comprising a steam chest of said ironer connected with the discharge end of said passage.

2,436,531

CONTAINER CLOSURE

Robert C. Shipley, Kalamazoo, Mich.
Application October 3, 1945, Serial No. 620,022
5 Claims. (Cl. 206—1.5)



1. In a container comprising a pair of cooperating members held together in closed position by a plurality of interlocking flanges and movable out of closed position by slidably disengaging said flanges, closure means cooperating therewith comprising: a pin supported by one of said cooperating members in a direction substantially perpendicular to the line of relative movement between the said cooperating members as the interlocking flanges thereof are engaged and disengaged and movable in container closing direction in response to and in container opening direction against resilient means on a line parallel to said line of relative movement; stop means limiting the movement of said pin in response to said resilient means; an opening in the other of said cooperating members located and aligned to receive said pin at said stop means when said cooperating members are placed together for interlocking; a surface of said pin and a surface defining said opening being inclined with respect to each other in a direction such that the pin will be by such opening defining surface moved against said resilient means as said co-

operating members are brought fully together and said pin thereby moves into said opening, such that when said cooperating members are fully interlocked said pin is by at least a portion of the contacting wall of said opening held against the urging of said resilient means, slightly away from said stop means whereby the force of said resilient means is constantly effective in holding said cooperating members in fully interlocked position.

2,436,532

PRODUCTION OF 4-KETO PIMELIC ACID

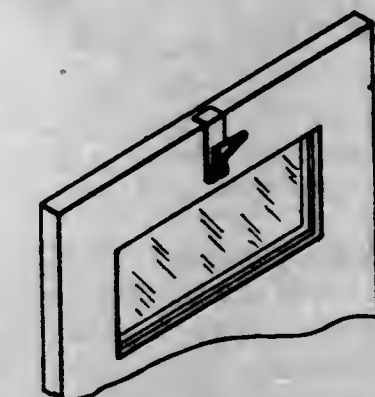
Fred G. Singleton, Pittsburgh, Pa., assignor to H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 24, 1945, Serial No. 579,689
4 Claims. (Cl. 260—537)

1. In the method of making 4-keto pimelic acid in which furfural is reacted with fused sodium acetate and acetic anhydride in a step for producing furylacrylic acid, the furylacrylic acid is reacted with an alcohol in the presence of hydrogen chloride in a step for producing an ester of 4-keto pimelic acid, and 4-keto pimelic acid is recovered from said ester, the improvement which comprises, dissolving in hot water the reaction products containing impure furylacrylic acid from the furylacrylic acid producing step, acidifying the resulting heated solution with a mineral acid to free substantially all of the furylacrylic acid, cooling the acidified solution to form crystals of furylacrylic acid in a mother liquor, separating said crystals from the major portion of the cooled mother liquor to recover an impure product containing said crystals and residual impurities from said mother liquor, employing said impure product in the ester producing step to produce an impure ester of 4-keto pimelic acid, acid hydrolyzing said impure ester to produce a heated aqueous solution containing dissolved 4-keto pimelic acid, cooling the last-mentioned solution to produce crystals of 4-keto pimelic acid in a mother liquor and separating the last mentioned crystals from their mother liquor to obtain an increased yield of substantially pure 4-keto pimelic acid.

2,436,533

DOOR HOOK

Floyd L. Thompson, Los Angeles, Calif., assignor to Pat Thorne, Los Angeles, Calif.
Application July 25, 1946, Serial No. 686,070
3 Claims. (Cl. 248—301)

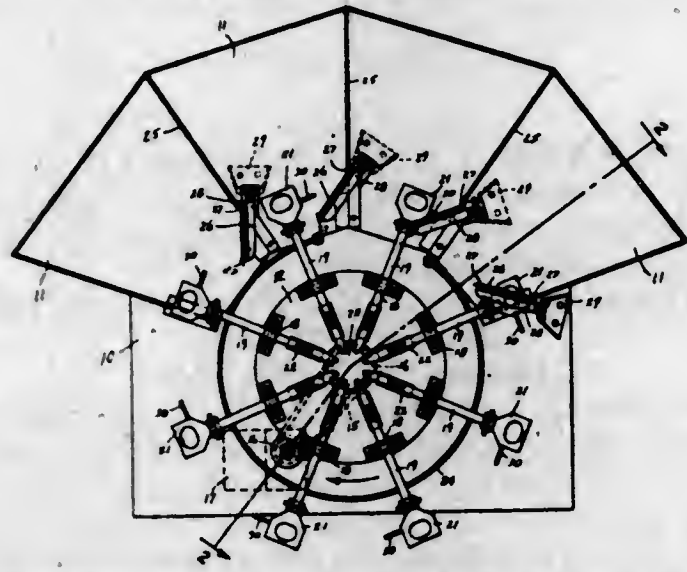


1. An integral support including an upright sheet metal plate having a hooked-jaw and penetrating teeth at its upper end, a pair of upwardly bent front retaining hooks at its lower end, a forwardly projecting generally V-shaped supporting hook intermediate its ends, and a pair of laterally projecting fastening lugs on the lower leg of the supporting hook engaged in said retaining hooks.

2,436,534

MECHANISM FOR WEIGHING AND DISCHARGING ARTICLES INTO SELECTED COMPARTMENTS

Donald B. Tolley, Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind., a corporation
Application March 31, 1944, Serial No. 528,881
5 Claims. (Cl. 209-121)

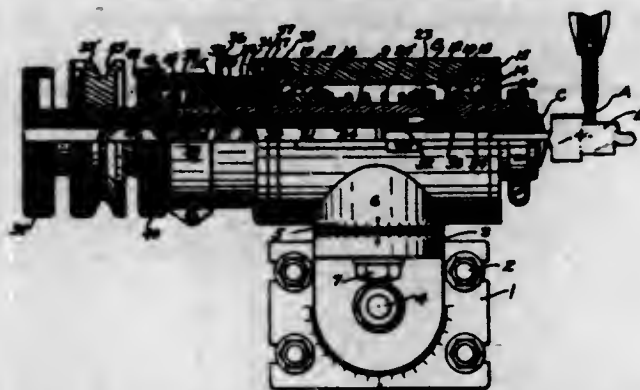


5. A weight grader including a plurality of sorting bins for receiving articles graded according to their relative weights, a plurality of scales, each of said scales being provided with an article supporting tray, means for supporting said scales and bins for movement relative to each other with the scales above said bins, a directing roller pivotally mounted adjacent each bin, said rollers extending in progressively stepped planes, and a selecting member associated with each scale positioned for engagement by one of said rollers depending upon the article carrying position of the scale, said selecting members being operative to elevate their respective trays to by-pass one of said rollers upon engagement therewith, or depress its respective tray for causing the article carried thereby to be ejected into the associated bin by the engaged roller.

2,436,535

GRINDING MACHINE

Paul H. Walther, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application June 28, 1944, Serial No. 542,478
5 Claims. (Cl. 51-232)

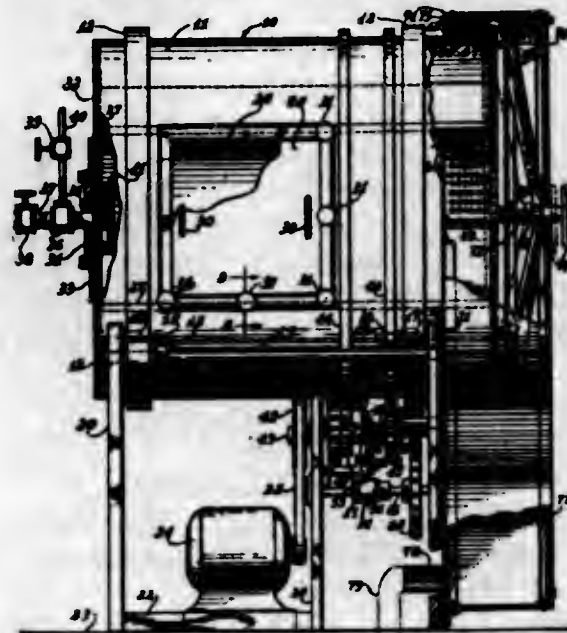


1. In a work holder for grinding machines, a base, a cylindrical housing supported by said base, a spindle axially positioned in said housing, bearings interposed between said spindle and housing whereby said spindle is capable of rotatable and axial movement, a spring in said housing normally urging said spindle in one direction, a cam and a cam follower carried by the housing and spindle individually and operable to shift said spindle during rotation against the tension of said spring, means threaded on said spindle and engaging said housing for shifting the former to render said cam inoperative, and a chuck carried by said spindle.

2,436,536

LAUNDRY MACHINE PROVIDED WITH END DRAIN MEANS

Edward A. Wheeler, Chicago, Ill.
Application June 27, 1946, Serial No. 679,805
5 Claims. (Cl. 68-144)

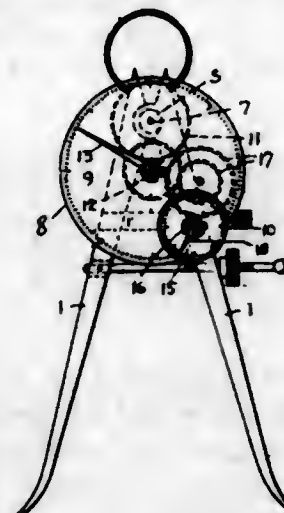


1. In a laundry machine of the character described, drum means rotatably confined and provided with perforated peripherally cylindrical drain means confined to a comparatively small portion of its outer peripheral surface, an annular housing enveloping the said drain means defining a valve opening therebetween, stationary drain means encasing the said annular housing, and valve means secured to the said stationary drain means adapted to establish communication through the said valve opening between the said drain means and the said stationary drain means.

2,436,537

MICROMETER CALIPER

Robert A. Wilkinson, North Hollywood, Calif.
Application November 14, 1945, Serial No. 628,397
2 Claims. (Cl. 33-148)



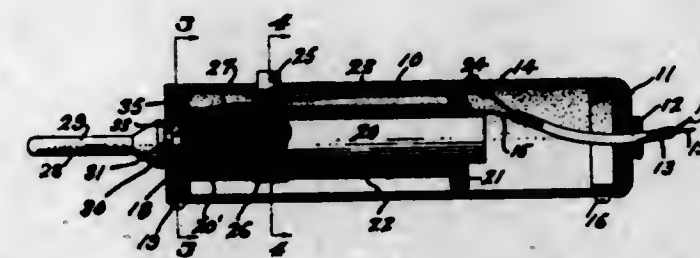
2. A micrometer calipers, having two legs provided with a pivot pin connection, said pin being fast to one of said legs to move therewith and having a longitudinal axial perforation, a drive shaft secured within said perforation to move with said pin, an inches dial, a gear upon said drive shaft, a pinion meshing with said gear, an inches hand upon the shaft of said pinion, a thousandths dial located within said inches dial and separate therefrom, a second pinion having a gear train connection with the shaft of said first named pinion, a thousandths hand upon the shaft of said second pinion, said thousandths dial having an arcuate portion thereof projecting without the circumference of said inches dial for manipulation purposes, manipulable means for shifting said second pinion out of mesh with said gear train during such manipulation, a circular case the outer face of which forms said inches

dial, said case being spaced laterally of said legs, said gear, said gear train, both pinions, and said manipulable means being located within said case, and an anchor for said case fast to one of said legs.

2,436,538

ELECTROMAGNETIC SURGICAL PROBING INSTRUMENT

Lewis O. Wing, Sr., Sacramento, Calif., assignor to California Magnet Company, Sacramento, Calif., a partnership
Application July 14, 1944, Serial No. 544,915
4 Claims. (Cl. 128-1.4)

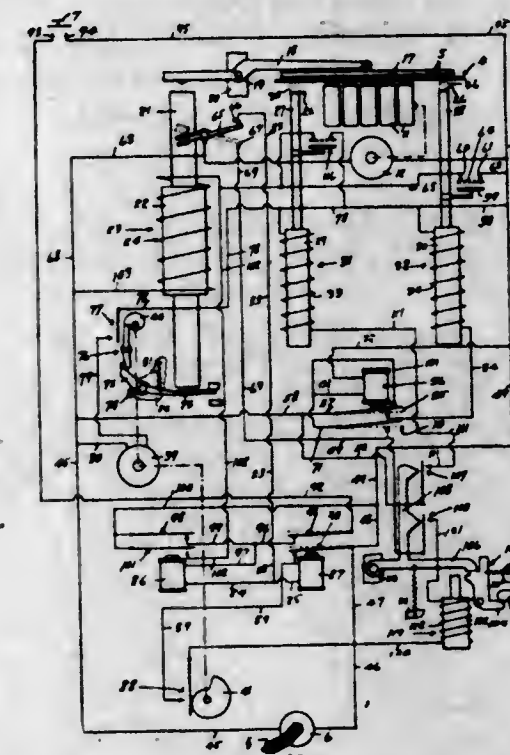


1. A surgical instrument comprising: a hollow casing; a closure at each end of the casing; a soft magnetically permeable metal core in said casing; a normally open circuited coil of wire on said core within the casing; said core extending through the closure at one end of the casing and having a socket formed in such end; means mounted on the casing for closing the circuit of the coil; a magnetically permeable blade seated against the socketed end of the core; the inner end of the blade extending into the socket in the core normally to be freely rotatable therein and having a groove formed in such inner end; a ball mounted in the casing and spring means yieldably holding said ball in said groove.

2,436,539

TIME RECORDING DEVICE

Elbert V. Abbott, San Francisco, Calif., assignor to Electric Time Recording Register Company, San Francisco, Calif., a copartnership consisting of Thomas Harris and Elbert V. Abbott
Application May 22, 1944, Serial No. 536,730
2 Claims. (Cl. 234-53.5)



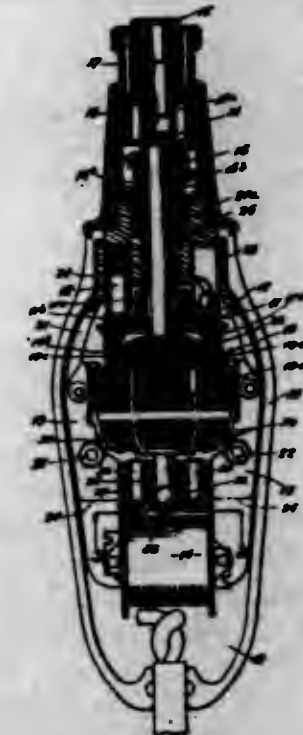
1. In combination with an electrical circuit having a time indicator therein arranged and adapted to be electrically actuated for recording the time of such actuation on a record sheet, and a source of electricity for said circuit connected therewith, a circuit indicator in said circuit separate from said time indicator actuable for making a symbol on said sheet, means actuated

by connecting said circuit with said source after a disconnection therebetween for simultaneously actuating said time indicator and said circuit indicator for recording the time and said symbol, means in said circuit operative for automatically rendering said circuit indicator inoperative upon a single actuation of said circuit indicator following the operation of connecting said circuit with said source and as long as said source is so connected, and means actuable by disconnecting said source from said circuit for rendering said circuit indicator operative for actuation thereof upon such reconnection.

2,436,540

HAND-HELD POWER TOOL

William F. Allenby, Stratford, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application August 31, 1944, Serial No. 552,185
7 Claims. (Cl. 172-36)

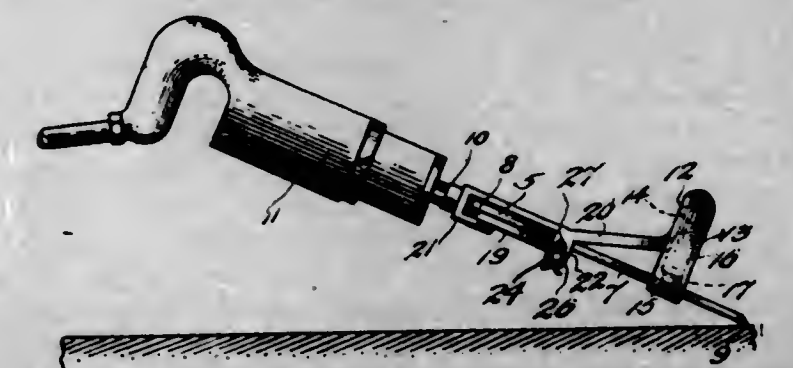


1. In a portable tool having a driving motor, a cast-metal skeleton frame for rigidly supporting the armature and field of the motor in fixed relative positions; an insulating casing enclosing the motor and skeleton frame; means carried by the skeleton frame for mounting a tool to extend exteriorly of the casing; and heat-responsive switch means mounted within the casing, for automatically opening the motor circuit in response to overheating of the motor, said switch means being exposed to and receiving heat from the motor armature by radiation, convection and conduction.

2,436,541

MECHANICAL CHIPPING TOOL

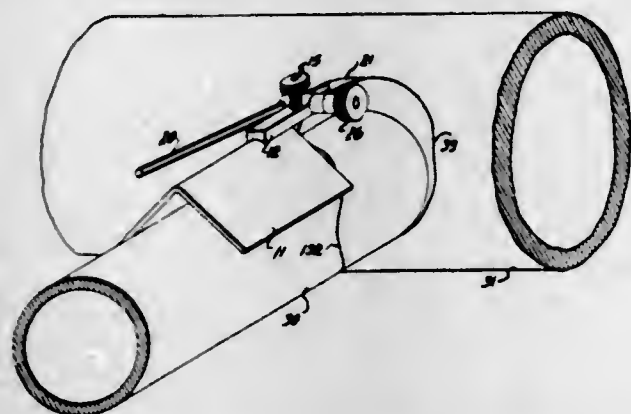
Emery Emil Baseler, Hollywood, Calif.
Application March 8, 1946, Serial No. 653,219
3 Claims. (Cl. 20-168)



2. A mechanical chipping tool comprising, an elongated plate formed with a plurality of parallel slots extending longitudinally from one end thereof, said slots defining spaced, chisel-like

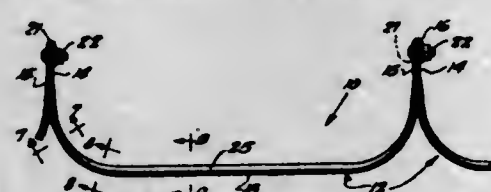
blades connected at one end by the body portion of said plate, an adaptor shank on said body portion for attachment to a hammer head, a yieldable handle adjacent the free ends of said blades, a pair of side members carried by said handle straddling said plate adjacent the free ends of said blades, an intumed portion at one terminal of each of said side members, said intumed portions engaging the underside of said plate, a transversely extending channel connecting said side members medially of their length, a resilient block in said channel, said block bearing against the upper surfaces of said blades, and means for attaching said handle to said plate.

2,436,542
PIPE JUNCTURE MARKING DEVICE
Russell A. Black, Los Angeles, Calif.
Application June 27, 1944, Serial No. 542,394
7 Claims. (Cl. 33-21)



7. A device for scribing the juncture lines of a pipe or cylindrical element and a body to be joined thereto comprising a member having inclined contact surfaces adapted to be fitted over said element, a scriber carried by said member for scribing a line on said element, spring means for pressing said scriber against said element, a second elongated scriber for scribing a line on said body and for guiding said member along the surface of said body during movement of said member about said element whereby to cause said scribes to scribe said juncture lines on said element and on said body, and means on said member supporting said second scriber for lengthwise adjustment and for adjustment about an axis extending transversely of the length thereof.

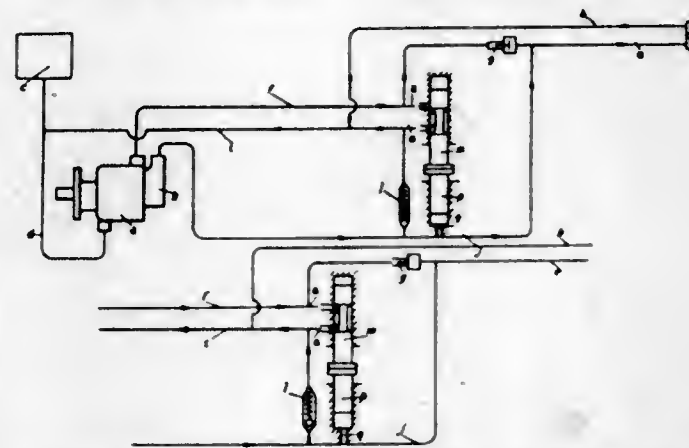
2,436,543
ROOF CONSTRUCTION
John F. Blaski, Chicago, Ill.
Application July 11, 1945, Serial No. 604,424
6 Claims. (Cl. 108-1)



1. A structural panel adapted for use in multiple in a roof or the like comprising a relatively thin blank marginally bent to form a trough-shaped member having a substantially segmental cylindrical longitudinal configuration, the bottom of the member and the major extent of the sides thereof being provided with a plurality of corrugations disposed transversely of the member, the depth of the corrugations being a maximum over substantially the entire width of said bottom and gradually decreasing on both sides toward zero at the free edges of said sides, whereby said graduated corrugations provide the said segmental cylindrical configuration without buckling

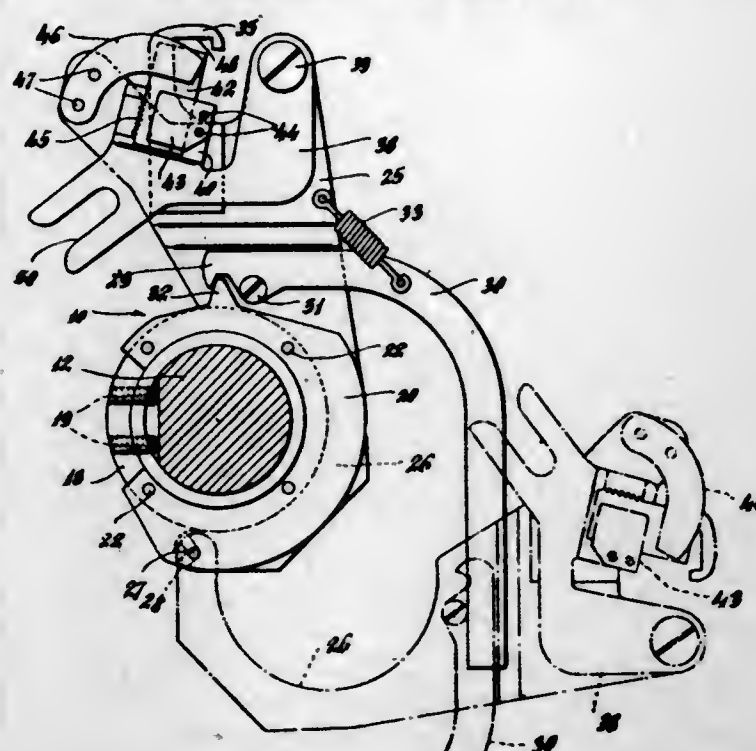
of the member, one longitudinal edge of the panel being provided with an outwardly turned-over lip adapted to overlie the adjacent upturned lip of a neighboring panel.

2,436,544
CONTROL GEAR FOR HYDRAULIC PUMPS
Thomas Edward Beacham, London, England
Application August 30, 1943, Serial No. 500,549
In Great Britain August 20, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 20, 1962
12 Claims. (Cl. 103-41)



1. A hydraulic pressure supply system comprising a main pump, an auxiliary pump, a common supply line, a main delivery line from the main pump to the common supply line, an auxiliary delivery line from the auxiliary pump to the common supply line, a control valve responsive to pressure existing in the common supply line and positioned in the main and auxiliary delivery lines for withdrawing fluid therefrom, and means in said control valve for withdrawing fluid in quantities proportional to the rise in pressure in the supply line, whereby the fluid pressure in the supply line operates to vary the delivery to the supply line from a maximum downwards in infinite decrements until the delivery falls below the output capacity of the auxiliary pump.

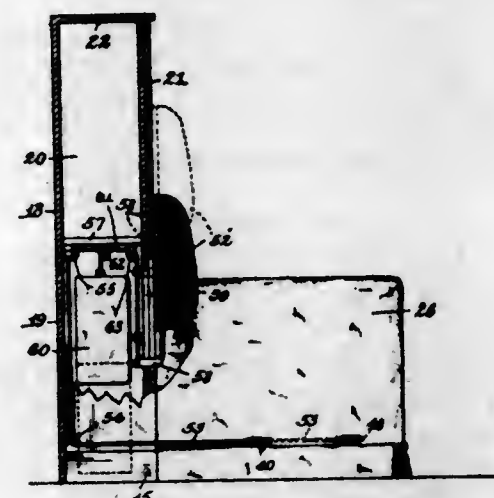
2,436,545
HOOK AND KNIFE UNIT FOR CHENILLE MACHINES
Walter A. Behrens, New York, N. Y.
Application March 20, 1946, Serial No. 655,837
11 Claims. (Cl. 112-79)



1. A hook and knife unit for chenille machine comprising a member fixedly mounted on a unit-oscillating shaft, a member movable relative to said fixed member, means for releasably locking

said movable member to said fixed member in a predetermined normal position relative thereto, a hook carried by the movable member, a plate mounted on the movable member for oscillation thereon, a knife carried by said plate for movement thereby in an arcuate path toward and away from said hook, and means in the plate for disengageably connecting the plate to means for oscillating the same independently of the unit-oscillating shaft.

2,436,546
CONVERTIBLE STUDIO BED AND COUCH
Marion C. Binenkorb, Middletown, N. Y.
Application September 5, 1944, Serial No. 552,791
2 Claims. (Cl. 5-18)

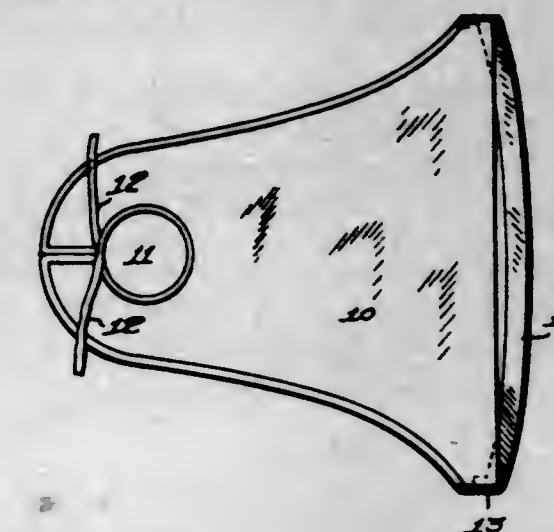


2. An article of furniture in the form of a convertible bed and couch, comprising a main frame having a book case at its rear end, a slidable frame movable completely into said main frame so that its rear portion extends into the lower end of said book case and adapted to be drawn partly out of said main frame so that its front end extends a distance beyond the front end of said main frame, bedding supported on said slidable frame, a back-rest disposed at an angle to the upper surface of said bedding in front of said book case and adapted for vertical movement, means for guiding said back-rest along said book case, flexible connections between opposite ends of said slidable frame and corresponding ends of said back rest, pulleys secured to said main frame over which said flexible connections pass, said flexible connections serving to cause said back-rest to be moved upwardly when partly withdrawing said slidable frame from said main frame and for causing said slidable frame to be moved inwardly when lowering said back-rest, and counter-weight mechanism connected to said flexible connections to assist in the movements of said slidable frame and back-rest.

2,436,547
CHILD'S BIB
John A. Boccleri, Brooklyn, N. Y.
Application June 4, 1946, Serial No. 674,205
2 Claims. (Cl. 2-49)

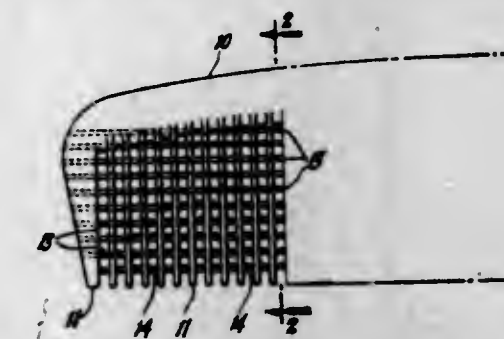
1. In bib formations for use by a child when seated on a high chair, wherein the bib is removably carried by the neck of the child with the opposite end zone of the bib extending onto the top of the tray of the chair, the combination with a bib of such type, of resilient means carried by the bib for removably securing the tray-carried end of the bib to and in temporarily anchored relation with the tray, said means permitting child movements under variable resistance conditions while maintaining such secured end in such relative position on the tray in the presence

of such child movements and said resilient means comprising an elastic band having its opposite



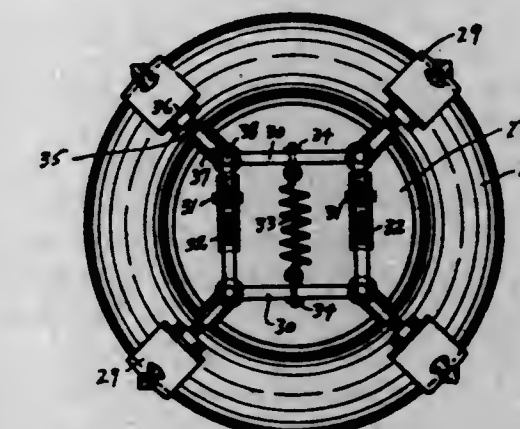
ends secured to side portions of the bib within the tray-secured end zone.

2,436,548
HAIR COMB
Herbert L. Booth, Staten Island, N. Y.
Application March 23, 1946, Serial No. 656,711
6 Claims. (Cl. 132-12)



6. A hair comb having a plurality of small openings in its teeth, said openings being arranged in substantially parallel closely spaced rows extending generally lengthwise of said comb from end to end thereof with the openings in each said row being substantially coaxially aligned; a tuft firmly frictionally held in each said opening and extending in opposite directions from the tooth at substantially right angles thereto into the spaces between the tooth and the adjoining teeth.

2,436,549
TRACTION DEVICE
Hugh N. Boyer, near Canfield, Ohio
Application May 1, 1945, Serial No. 591,252
2 Claims. (Cl. 152-225)



2. A traction device for an automotive wheel and tire comprising a pair of oppositely disposed U-shaped frame members hinged and slidably affixed to one another and having spring means normally urging the said frame members toward one another, connection means on said frame members and traction shoes adapted to overlie said tire loosely affixed to said connection means.

2,436,550

DESULFURIZATION OF TRIISOBUTYLENE

Richard C. Brandon, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 2, 1946,

Serial No. 666,839

5 Claims. (Cl. 260-677)

1. A process for desulfurizing polymerized isobutylene to a sulfur content of less than 0.01% comprising treating said polymerized isobutylene in the liquid phase with a dehydrated alumina containing no more than 3% water.

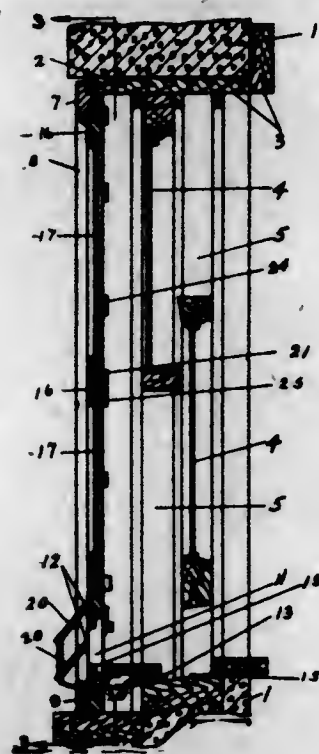
2,436,551

VENTILATING LOUVERS FOR STORM WINDOWS

Frederick P. Chelton, Baltimore, Md.

Application July 19, 1944, Serial No. 545,634

2 Claims. (Cl. 98-97)



1. A storm window for adjustable and spaced placement in front of an original conventional window, comprising an outside frame having an upper rail and lower rail arranged for attachment to said original window, a window sash and glass removably attached to said frame, and positioned in front of the sash and glass of said original window, a crosspiece under the sash forming a support therefor and spaced above said bottom rail and forming an intervening opening between itself and the lower rail of the frame, a supplementary shutter hinged to said lower rail on the interior surface of the frame and closable upwardly in a vertical position to close the opening and to arcuately travel downwardly on its hinges to a horizontal position to unobstruct said opening, and a pair of primary shutters hinged at their upper edges to swing from above and joined to operate together and adjustably close, said opening and overlapping the exterior face of the frame and cross piece opposite to said supplementary shutter and overlap each other so as to form an angular slide for rain striking them and guide same away from said opening.

2,436,552

INSULATED FLEXIBLE SUPPORT FOR THERMALLY CONDITIONED TOOLS

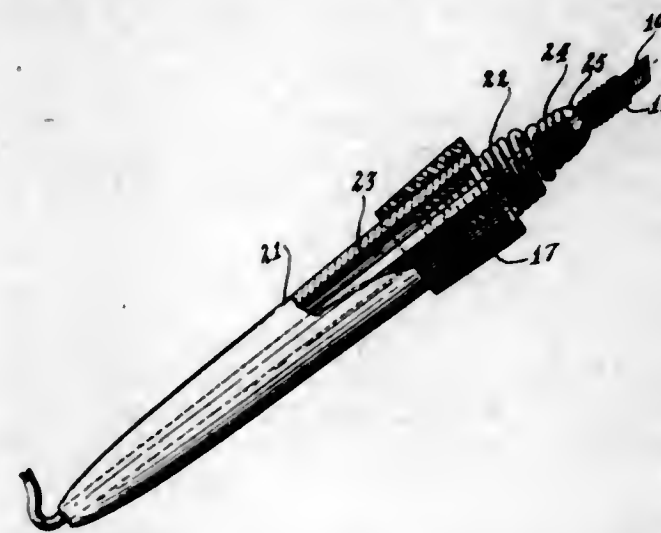
Earl H. Cooper, Chicago, Ill.

Application November 19, 1946, Serial No. 710,909

6 Claims. (Cl. 219-21)

1. In a thermally conditioned instrument, coil spring holding means having a reduced forward portion and an enlarged rearward portion, a tool

bit secured to the said reduced forward portion, and a hollow handle secured to the said enlarged



rearward portion, and insulated hand grip means removably confined about the outer portion of the said enlarged rearward portion.

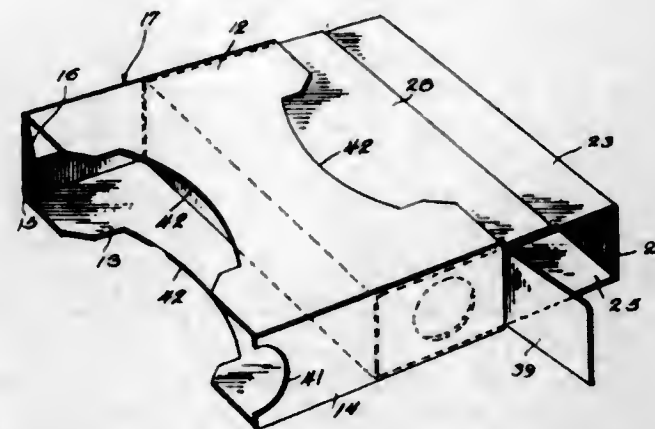
2,436,553

DISPENSING CARTON

Robert de S. Couch and Earl C. Potter, Chicago, and Edgerton A. Throckmorton, Dundee, Ill.; said Potter and said Throckmorton assignors to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application March 29, 1945, Serial No. 585,512

9 Claims. (Cl. 229-10)



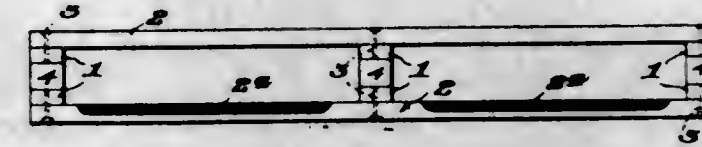
1. In a folded dispensing carton of the slide-box type, an open-sided sleeve, a compartmented open-ended slide member slidably receivable in said sleeve through the open sides thereof, said slide member comprising a pair of spaced coextensive walls, a pair of side walls, at least one interior partition wall disposed in a plane normal to the direction of slide of said slide member, said partition wall being of the same width as said first-mentioned walls and dividing said slide member into a plurality of compartments, said partition wall having an open slotted portion adjacent one of said first-mentioned walls, end closures integral with said slide member for closing the open ends thereof, one of said closures including dispensing means for each of said compartments to permit emptying of the contents thereof, said closures being locked in closed position and said means being sealed to prevent emptying of the contents of said slide member when the latter is in centered position in said sleeve, and means integral with one of said closures receivable in said slotted portion of said partition wall and extending into said compartments, said slide member being optionally slidable in opposite directions in said sleeve to alternate dispensing positions for moving the dispensing means individually out of engagement with said sleeve to permit dispensation from a selected compartment only and simultaneously prevent dispensation from the others.

2,436,554
PALLET

James Harmon Cruickshank, New York, N. Y.

Application July 6, 1944, Serial No. 543,657

7 Claims. (Cl. 248-120)



1. A pallet, comprising opposed superimposed sections; each section comprising spaced parallel cleats, cross-boards connecting said cleats, and nails of greater length than thickness of the boards and cleats passing therethrough, the ends of the nails being clinched over the cleats; the cleats of one section being disposed normal to the cleats of the other section to provide openings between the sections at each side face of the pallet; and means connecting the cleats together.

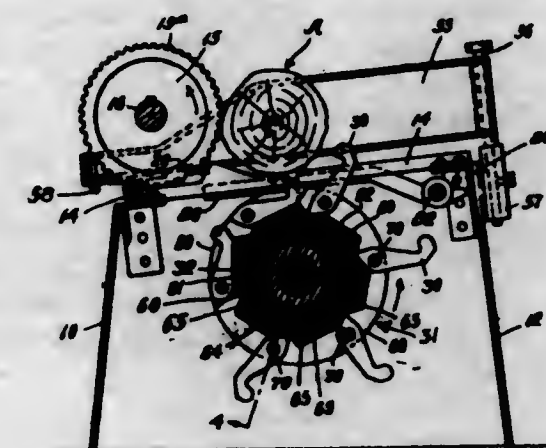
2,436,555

LOG DEBARKING APPARATUS

Warren F. Daniell, Millinocket, Maine, assignor to Great Northern Paper Company, Millinocket, Maine, a corporation of Maine

Application July 15, 1944, Serial No. 545,177

4 Claims. (Cl. 144-208)



1. Log debarking apparatus having a grid forming an inclined bed for supporting a log to be debarked, a frictional log turning roll mounted along the lower edge of said bed and forming with said bed a log receiving nip, a rotatable hammer-carrying drum mounted below said grid, means for rotating said roll in a direction such that the side of said roll adjacent said bed moves upwardly with respect to the bed, means for rotating said drum in the same direction, and debarking hammers pivotally mounted on said drum and adapted to pivot under centrifugal action during rotation of said drum into paths of rotation projecting through said grid to carry ends of said hammers against a log supported on said bed and drive the log towards said log receiving nip.

2,436,556
HITCH

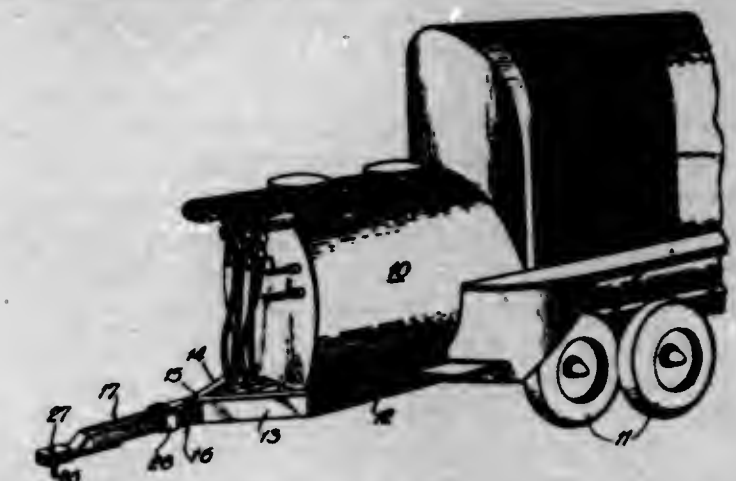
George W. Daugherty, Orlando, Fla.

Application September 26, 1945, Serial No. 618,618

16 Claims. (Cl. 280-33.44)

1. In a hitch of the class described, a traction member having a pair of linearly extending arms formed as part thereof and maintained in spaced relation, a linearly extending tractive member positioned between said arms, means securing one

part of said tractive member against one of said arms, and means securing another part of said



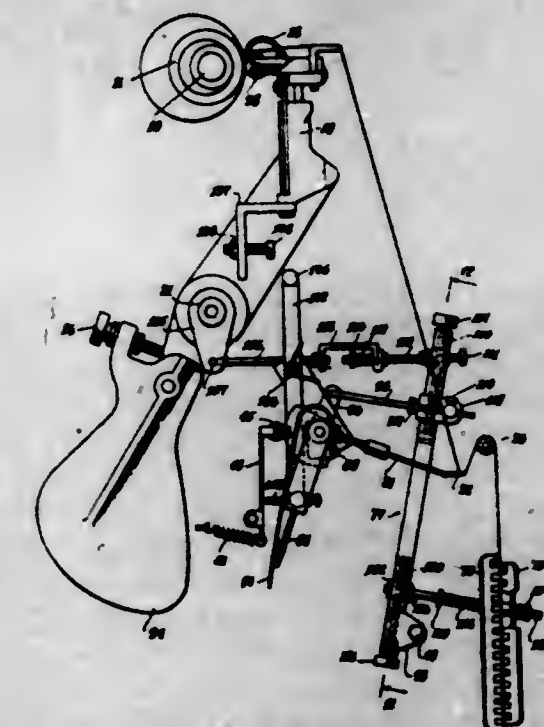
2,436,557

YARN WINDING MACHINE

Edward R. Davis and Howard W. Doughty, Jr., Westfield, Mass., assignors to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts

Application February 5, 1945, Serial No. 576,284

24 Claims. (Cl. 242-45)



1. In a winding machine, the combination of a spindle on which the package is to be wound, a motor for driving the spindle, and a switch in the motor circuit controlling the supply of power to the motor, said switch having a yarn tension actuated selector, in contact with, and movable relative to a conductor in increments directly proportional to changes in yarn tension, and having its resistance to movement to such yarn tension changes of the same predetermined value at all positions of the selector relative to the conductor.

2,436,558

PROCESS OF PRODUCING CATALYSTS CONTAINING BARIUM PEROXIDE

Kenneth C. Edson, Los Angeles, Calif., and Frank E. Fisher, Pawhuska, Okla., assignors to Skelly Oil Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Original application December 7, 1942, Serial No. 468,110, now Patent No. 2,419,343, dated April 22, 1947. Divided and this application January 10, 1947, Serial No. 721,462

5 Claims. (Cl. 252-253)

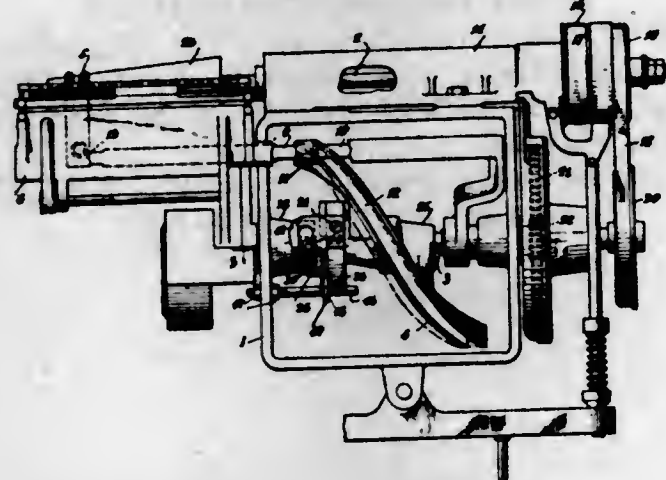
1. Process of preparing a catalyst for hydrocarbon conversion which comprises impregnating

a carrier with an aqueous solution of a water-soluble compound of an element from the group consisting of chromium, molybdenum and vanadium, drying the resulting mixture and heating it to a temperature sufficiently high to produce an oxide of said element, impregnating the product thus obtained with an aqueous solution of barium nitrite and heating it under oxidizing conditions to a temperature sufficiently high to decompose said nitrite to barium oxide and to oxidize the latter to barium peroxide.

2,436,559

YARN WINDING MECHANISM

Howard W. Doughty, Jr., Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Application May 4, 1945, Serial No. 591,988
In Great Britain May 5, 1944
23 Claims. (Cl. 242-43)

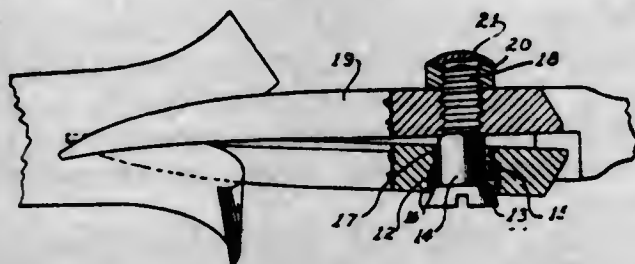


1. In a yarn winding mechanism, the combination with a rotatable spindle to receive a package core on which yarn is to be wound, a yarn guide to be traversed along the core to control the lay of yarn thereon, and an idler roller extending the length of the yarn traverse and between which and the package the yarn is laid by the guide, said roller being movable away from the core as the package builds up and being mounted to maintain its axis substantially parallel to the adjacent surface of the package as the package builds up; of means for traversing the guide in timed relation to the rotation of the core, said traversing means including means for accelerating the guide as it is moved towards the nose of the core and for decelerating the guide as it is moved away from the nose of the core.

2,436,560

COACTING CUTTING BLADES FOR SCISSORS, SHEARS, AND THE LIKE

David C. Feather, Portland, Oreg., assignor of one-half to Mechanical Research Company, a corporation of Oregon
Application August 7, 1944, Serial No. 548,380
2 Claims. (Cl. 30-266)



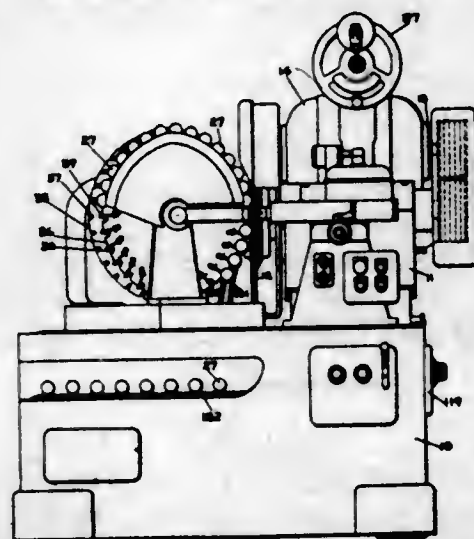
1. A pair of pivotally connected coacting cutting blades, axially aligned apertures extending through said blades, one of said apertures being enlarged at its outer edge, a pivot pin extending through the apertures and loosely embraced by one and threadedly connected with and locked to

the other, said loosely embraced portion of the pin terminating in a flared head in rotatable and tiltable contact with the outer rim of said enlarged aperture.

2,436,561

GRINDING MACHINE

Carl G. Flygare, Worcester, Elphege D. La Fleur, Lancaster, and Herbert A. Silven, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 22, 1945, Serial No. 584,096
13 Claims. (Cl. 51-108)

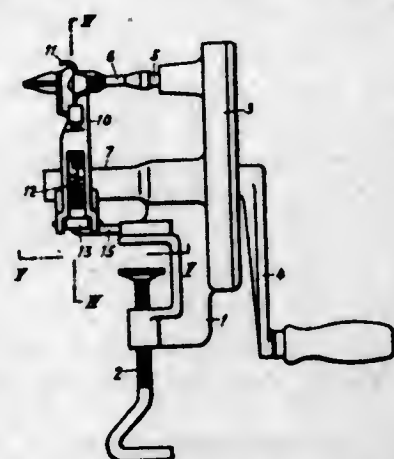


1. In a grinding machine having means including a rotatable chuck to support and rotate a work piece, a rotatable grinding wheel, a transversely movable slide therefor, a wheel feeding mechanism automatically to feed said slide toward and from the work piece to grind the same to a predetermined size, and a work loading mechanism including a rotatable turret to convey successive work pieces into axial alignment with said chuck, a hydraulically operated pusher to move a work piece supported by said turret into operative relation with said chuck before a grinding operation, and means including an automatically actuated ejector to eject finish ground work pieces from said chuck after a grinding operation has been completed.

2,436,562

VEGETABLE AND FRUIT PEELER

Fritz Freitag, Zurich, Switzerland
Application September 20, 1945, Serial No. 617,477
Section 1, Public Law 690, August 8, 1946
Patent expires July 3, 1963
7 Claims. (Cl. 146-43)

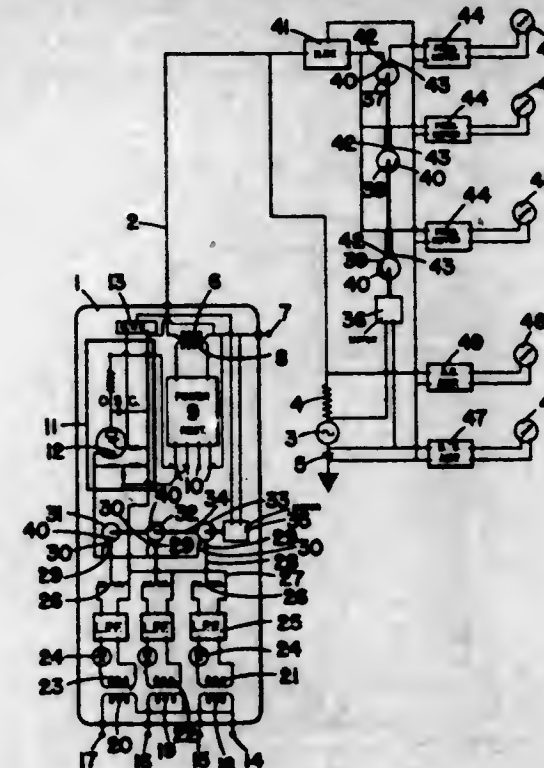


1. In a fruit or vegetable peeler the combination of a rotatable skewer, a lever arm pivoted about an axis crossing the skewer axis at right angles, a knife-carrying arm, and a joint piece connecting said lever arm and said knife-carrying arm, said joint piece being pivoted on said lever arm, and said knife-carrying arm being pivoted on said joint piece about an axis at right angles to the pivot axis about which said joint piece is turnable in relation to said lever arm.

2,436,563

WELL LOGGING

Alex Frosch, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 27, 1941, Serial No. 424,573
4 Claims. (Cl. 175-182)

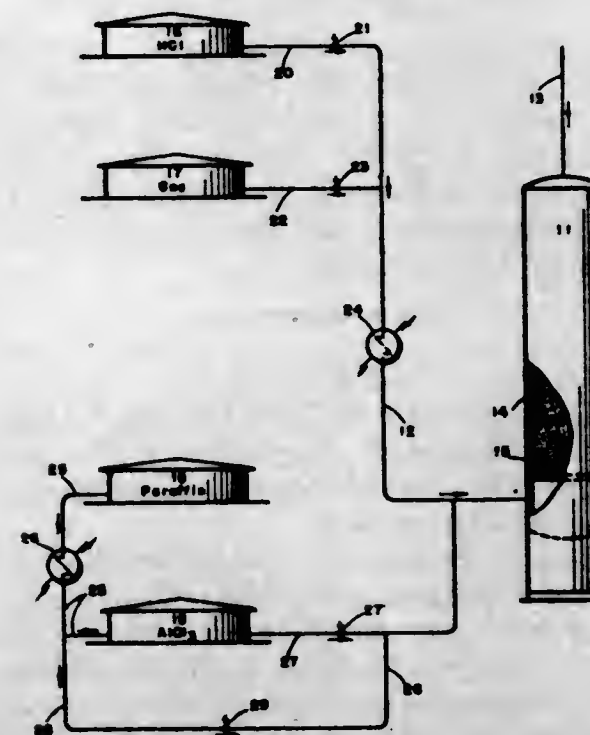


1. An apparatus for logging boreholes by making measurements of the variation with depths of a plurality of different kinds of properties of the strata traversed by the boreholes comprising a bomb adapted to be lowered into said bore hole, an oscillator arranged in said bomb, a plurality of means arranged in said bomb for measuring a plurality of properties in said bore hole, means for connecting each of said measuring means, in sequence, to said oscillator in such a way as to modulate the output thereof, means for transmitting the output of said oscillator to the surface, and means at the surface for relating different portions of said oscillator output to said different measuring means in said bomb.

2,436,564

PRETREATMENT OF REACTION ZONE CONTAINING IRON OXIDE

Otto Gerbes, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 8, 1944, Serial No. 534,671
9 Claims. (Cl. 260-683.5)



1. A method for the pretreatment of a reaction zone adapted to the subsequent catalytic con-

version of hydrocarbons in the presence of anhydrous hydrogen halide and aluminum chloride supported upon a porous solid, said reaction zone initially including iron oxide in small amounts and porous solid substantially free of aluminum chloride, comprising the steps of introducing anhydrous hydrogen halide into the reaction zone and there reacting it with the iron oxide in the absence of aluminum chloride to form iron halide and water, passing a gasiform material through the reaction zone to remove said water therefrom and subsequently introducing anhydrous aluminum chloride and anhydrous hydrocarbon feed stock into said reaction zone and catalytically converting at least a portion of the feed stock therein.

2,436,565

LUBRICATING OIL

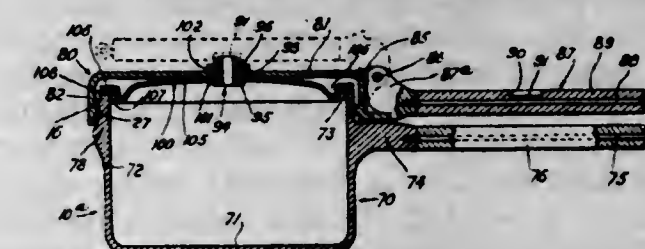
Donald B. Gillett, Wooster, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 20, 1945, Serial No. 606,286
6 Claims. (Cl. 196-151)

1. An improved lubricating oil comprising a major portion of substantially wax-free oil in the lubricating oil range separated from a paraffin base crude petroleum, a minor portion of wax separated from a naphthenic base crude petroleum and a minor portion of the condensation product formed by condensing chlorinated paraffin wax with an aromatic hydrocarbon.

2,436,566

SAFETY VENT FOR PRESSURE COOKERS

Benjamin D. Goldberg, Brooklyn, N. Y.
Application July 28, 1944, Serial No. 547,051
7 Claims. (Cl. 220-44)



5. In a pressure cooker of the type wherein the container member and cover member have spaced interlocking lugs engageable upon rotating one member relative to the other, a vent through one of the members, an arm on each of said members radially extending beyond the periphery of said members, one of said arms being pivoted to its respective member about a horizontal pivot and selectively positionable either radially outwardly of its member or inwardly to a position overlying and resting upon and closing said vent.

2,436,567

MICROREFRACTOMETER FOR LIQUIDS

Clark Webster Gould, Jr., Pasadena, Calif., assignor to California Institute Research Foundation, Pasadena, Calif., a corporation of California
Application September 15, 1944, Serial No. 554,315
4 Claims. (Cl. 88-14)



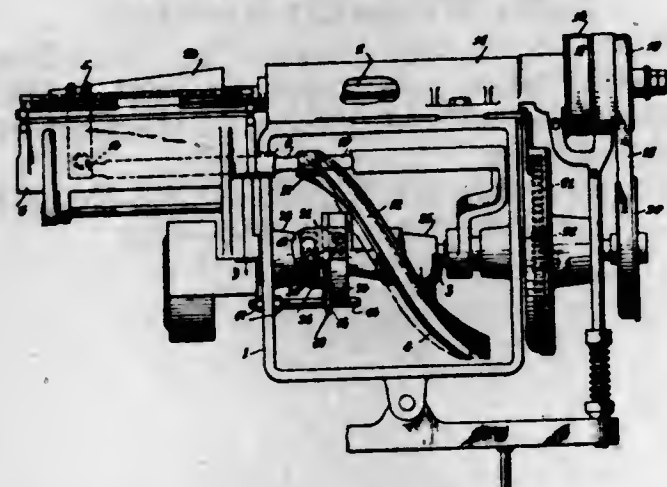
1. A microrefractometer comprising: a transparent slide having a flat face; prism means defining with said face opposed wedge-like spaces

a carrier with an aqueous solution of a water-soluble compound of an element from the group consisting of chromium, molybdenum and vanadium, drying the resulting mixture and heating it to a temperature sufficiently high to produce an oxide of said element, impregnating the product thus obtained with an aqueous solution of barium nitrite and heating it under oxidizing conditions to a temperature sufficiently high to decompose said nitrite to barium oxide and to oxidize the latter to barium peroxide.

2,436,559

YARN WINDING MECHANISM

Howard W. Doughty, Jr., Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Application May 4, 1945, Serial No. 591,988
In Great Britain May 5, 1944
23 Claims. (Cl. 242-43)

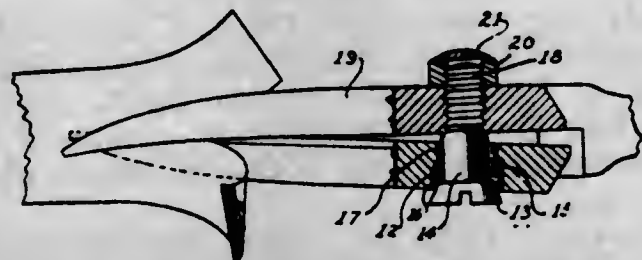


1. In a yarn winding mechanism, the combination with a rotatable spindle to receive a package core on which yarn is to be wound, a yarn guide to be traversed along the core to control the lay of yarn thereon, and an idler roller extending the length of the yarn traverse and between which and the package the yarn is laid by the guide, said roller being movable away from the core as the package builds up and being mounted to maintain its axis substantially parallel to the adjacent surface of the package as the package builds up; of means for traversing the guide in timed relation to the rotation of the core, said traversing means including means for accelerating the guide as it is moved towards the nose of the core and for decelerating the guide as it is moved away from the nose of the core.

2,436,560

COACTING CUTTING BLADES FOR SCISSORS, SHEARS, AND THE LIKE

David C. Feather, Portland, Oreg., assignor of one-half to Mechanical Research Company, a corporation of Oregon
Application August 7, 1944, Serial No. 548,380
2 Claims. (Cl. 30-266)



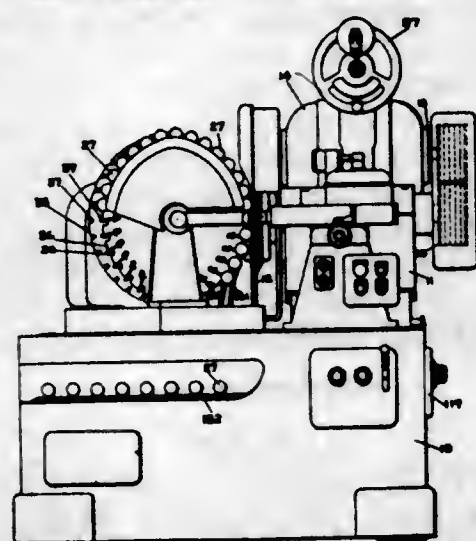
1. A pair of pivotally connected coacting cutting blades, axially aligned apertures extending through said blades, one of said apertures being enlarged at its outer edge, a pivot pin extending through the apertures and loosely embraced by one and threadedly connected with and locked to

the other, said loosely embraced portion of the pin terminating in a flared head in rotatable and tiltable contact with the outer rim of said enlarged aperture.

2,436,561

GRINDING MACHINE

Carl G. Flygare, Worcester, Elphege D. La Fleur, Lancaster, and Herbert A. Silven, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 22, 1945, Serial No. 584,096
13 Claims. (Cl. 51-108)

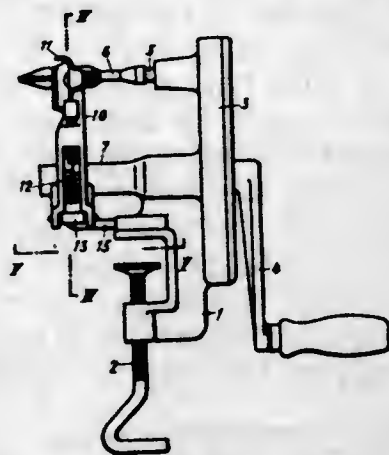


1. In a grinding machine having means including a rotatable chuck to support and rotate a work piece, a rotatable grinding wheel, a transversely movable slide therefor, a wheel feeding mechanism automatically to feed said slide toward and from the work piece to grind the same to a predetermined size, and a work loading mechanism including a rotatable turret to convey successive work pieces into axial alignment with said chuck, a hydraulically operated pusher to move a work piece supported by said turret into operative relation with said chuck before a grinding operation, and means including an automatically actuated ejector to eject finish ground work pieces from said chuck after a grinding operation has been completed.

2,436,562

VEGETABLE AND FRUIT PEELER

Fritz Freitag, Zurich, Switzerland
Application September 20, 1945, Serial No. 617,477
Section 1, Public Law 690, August 8, 1946
Patent expires July 3, 1963
7 Claims. (Cl. 146-43)

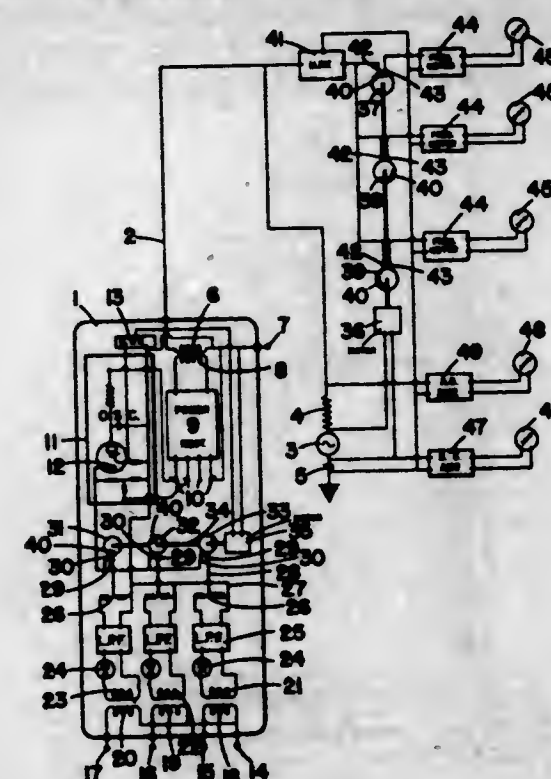


1. In a fruit or vegetable peeler the combination of a rotatable skewer, a lever arm pivoted about an axis crossing the skewer axis at right angles, a knife-carrying arm, and a joint piece connecting said lever arm and said knife-carrying arm, said joint piece being pivoted on said lever arm, and said knife-carrying arm being pivoted on said joint piece about an axis at right angles to the pivot axis about which said joint piece is turnable in relation to said lever arm.

2,436,563

WELL LOGGING

Alex Frosch, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 27, 1941, Serial No. 424,573
4 Claims. (Cl. 175-182)

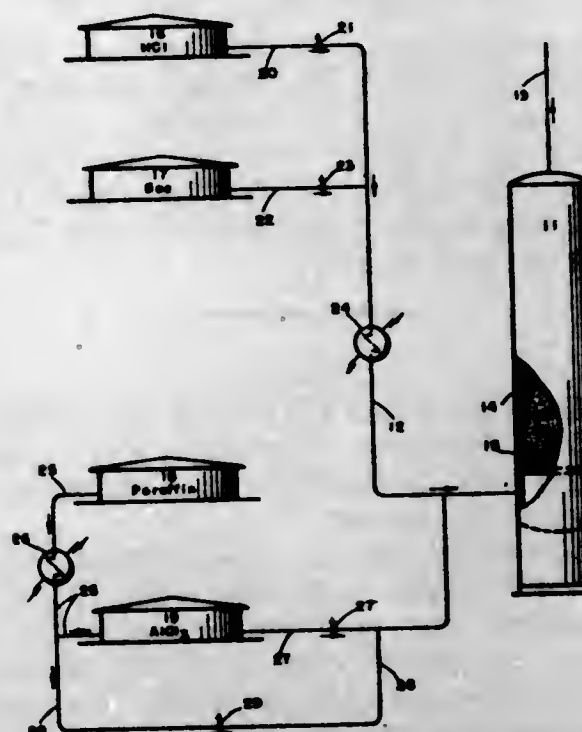


1. An apparatus for logging boreholes by making measurements of the variation with depths of a plurality of different kinds of properties of the strata traversed by the boreholes comprising a bomb adapted to be lowered into said bore hole, an oscillator arranged in said bomb, a plurality of means arranged in said bomb for measuring a plurality of properties in said bore hole, means for connecting each of said measuring means, in sequence, to said oscillator in such a way as to modulate the output thereof, means for transmitting the output of said oscillator to the surface, and means at the surface for relating different portions of said oscillator output to said different measuring means in said bomb.

2,436,564

PRETREATMENT OF REACTION ZONE CONTAINING IRON OXIDE

Otto Gerbes, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 8, 1944, Serial No. 534,671
9 Claims. (Cl. 260-683.5)



1. A method for the pretreatment of a reaction zone adapted to the subsequent catalytic con-

version of hydrocarbons in the presence of anhydrous hydrogen halide and aluminum chloride supported upon a porous solid, said reaction zone initially including iron oxide in small amounts and porous solid substantially free of aluminum chloride, comprising the steps of introducing anhydrous hydrogen halide into the reaction zone and there reacting it with the iron oxide in the absence of aluminum chloride to form iron halide and water, passing a gasiform material through the reaction zone to remove said water therefrom and subsequently introducing anhydrous aluminum chloride and anhydrous hydrocarbon feed stock into said reaction zone and catalytically converting at least a portion of the feed stock therein.

2,436,565

LUBRICATING OIL

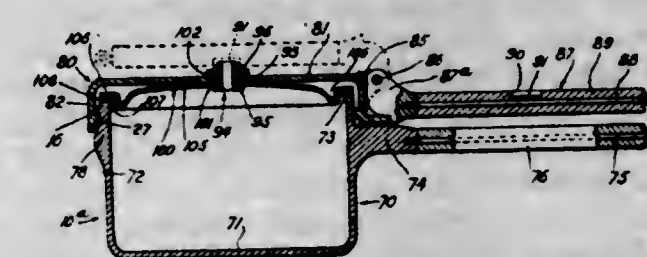
Donald B. Gillett, Wooster, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 20, 1945, Serial No. 606,286
6 Claims. (Cl. 196-151)

1. An improved lubricating oil comprising a major portion of substantially wax-free oil in the lubricating oil range separated from a paraffin base crude petroleum, a minor portion of wax separated from a naphthenic base crude petroleum and a minor portion of the condensation product formed by condensing chlorinated paraffin wax with an aromatic hydrocarbon.

2,436,566

SAFETY VENT FOR PRESSURE COOKERS

Benjamin D. Goldberg, Brooklyn, N. Y.
Application July 28, 1944, Serial No. 547,051
7 Claims. (Cl. 220-44)



5. In a pressure cooker of the type wherein the container member and cover member have spaced interlocking lugs engageable upon rotating one member relative to the other, a vent through one of the members, an arm on each of said members radially extending beyond the periphery of said members, one of said arms being pivoted to its respective member about a horizontal pivot and selectively positionable either radially outwardly of its member or inwardly to a position overlying and resting upon and closing said vent.

2,436,567

MICROREFRACTOMETER FOR LIQUIDS

Clark Webster Gould, Jr., Pasadena, Calif., assignor to California Institute Research Foundation, Pasadena, Calif., a corporation of California
Application September 15, 1944, Serial No. 554,315
4 Claims. (Cl. 88-14)



1. A microrefractometer comprising: a transparent slide having a flat face; prism means defining with said face opposed wedge-like spaces

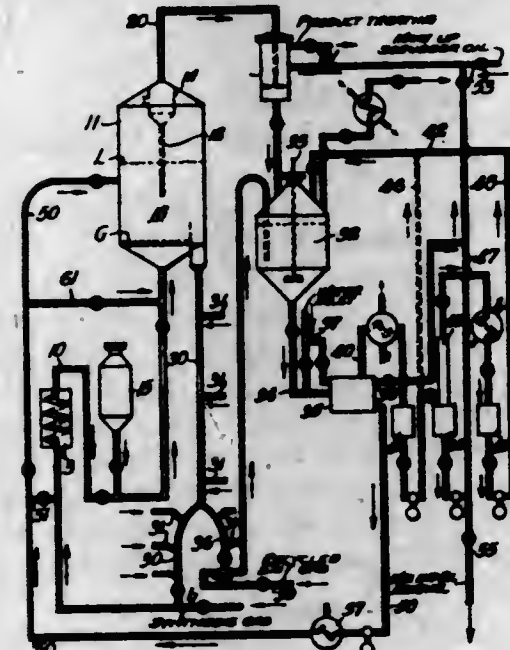
into which liquids are attracted by capillary action; and an image line inscribed on the under side of said slide in position to be viewed in part through each of said opposed wedge-like spaces and a liquid contained therein, the parts of said line being apparently displaced in opposite directions in proportion to the refractive index of said liquid.

2,436,568

HYDROCARBON SYNTHESIS

Lindsay I. Griffin, Baton Rouge, La., and Charles E. Jahnig, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application September 19, 1946, Serial No. 697,976
8 Claims. (Cl. 260-449.6)



1. In the synthesis of hydrocarbons from carbon oxides and H_2 in the presence of a suitable catalyst, the improvement which comprises providing a catalyst suspended in a mixture of carbon oxides and H_2 gas in a reaction zone during a hydrocarbon synthesis reaction and maintaining the catalyst activity by withdrawing catalyst containing a waxy contaminant, washing said withdrawn catalyst with a solvent for the said waxy contaminant in a washing zone, discharging a slurry of catalyst and solvent withdrawn from said washing zone into a settling zone, adding water to said last-named zone, permitting stratification to occur in said last-named zone and permitting the washed catalyst to enter the water phase, and returning the purified catalyst in the form of a water slurry to the reaction zone.

2,436,569

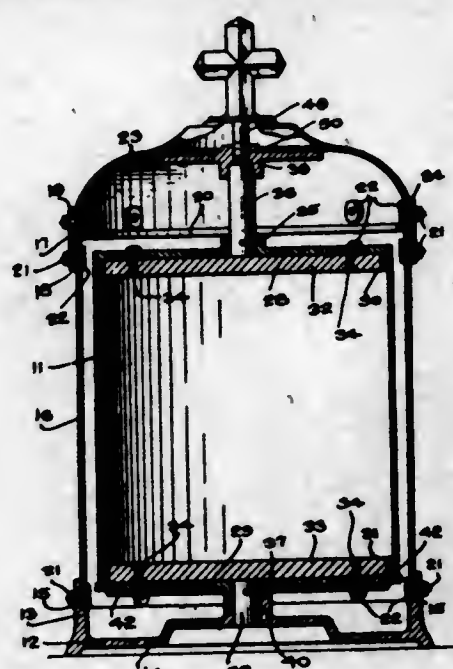
TABERNACLE SAFE HAVING A REVOLUBLE INNER CASING

Ellen F. Halter, Philadelphia, Pa.

Application October 10, 1944, Serial No. 557,985
1 Claim. (Cl. 312-33)

In a tabernacle safe, a stationary main outer casing of substantially cylindrical form having closed top and bottom ends and a rectangular opening in the side wall thereof, said top and bottom ends of said casing being respectively provided with coaxial journal bearings, a revoluble inner casing of cylindrical form disposed concentrically within said outer casing and having oppositely extending trunnions respectively journaled in said bearings, said inner casing being closed at the top and bottom ends thereof and having an opening in the side wall thereof adapted to be brought into registry with said side wall opening in the outer casing, said inner casing being further provided with a floor having an extension projecting radially outwardly of the

side wall opening thereof into close proximity to the cylindrical wall of the main outer casing, a spring-pressed detent disposed between adjacent closed ends of said concentric casings, said detent being mounted upon one of said adjacent closed ends interiorly of said outer casing for automatic engagement with any one of several circumferentially spaced detent seats formed in the other of said adjacent closed ends whereby upon rotation of said casing said detent seats may be



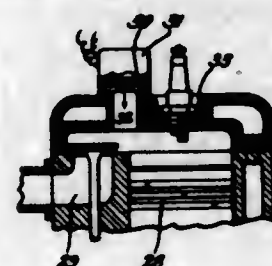
selectively engaged by said detent to lock the inner casing in a selected position relatively to said outer casing, and a key-operated lock mounted upon the side wall of the outer casing for retracting said detent from its engaged seat to permit rotation of the inner casing into a different position, the circumferential spacing of the detent seats being such as to close the interior of the safe against access thereto in all but one of said locked positions of the inner casing.

2,436,570

SUPPRESSION OF DETONATION IN ENGINES

William T. Hancock, Long Beach, Calif.

Application May 12, 1942, Serial No. 442,707
3 Claims. (Cl. 123-198)



1. The combination comprising an engine cylinder, means forming an intake passage through which a gas is fed to the cylinder, and a reciprocally moving vibrator outside the cylinder but communicable therewith to create high frequency pressure pulsations constantly in the gas atmosphere within the cylinder.

2,436,571

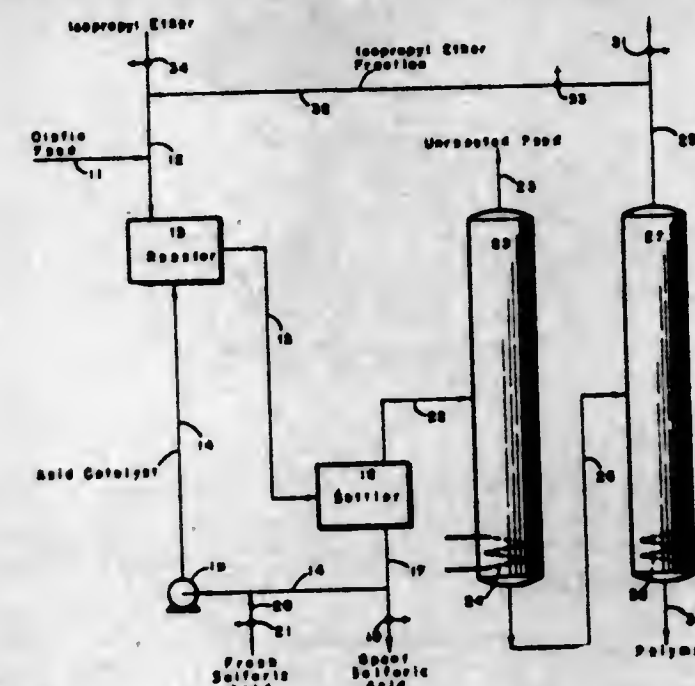
POLYMERIZATION OF OLEFINS

Raymond L. Heinrich, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 8, 1945, Serial No. 633,819
4 Claims. (Cl. 260-683.15)

1. A method for reacting an olefinic mixture comprising propylene and a mono-olefin having a greater number of carbon atoms than propylene in a reaction zone in the presence of sulfuric acid having a strength within the range of 60% to 85%, which includes the steps of contacting said

olefinic mixture with sulfuric acid in the reaction zone in the presence of isopropyl ether in an amount within the range of 5% and 15% by volume, separating a hydrocarbon phase from an acid phase, fractionating the hydrocarbon phase



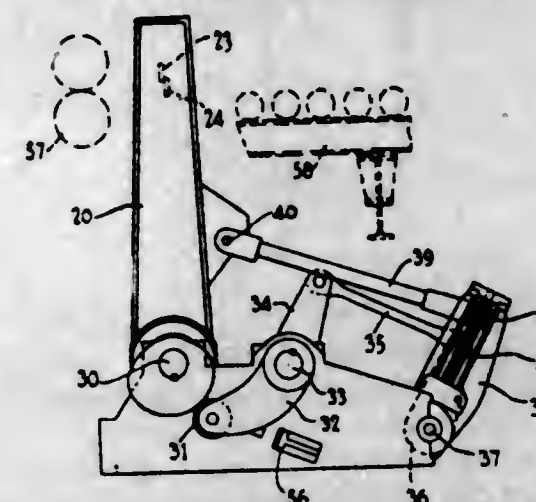
into an ether fraction and a polymer fraction, and employing at least a portion of said ether fraction to maintain the amount of isopropyl ether in the reaction zone within the range of 5% and 15% by volume.

2,436,572

METAL CUTTING FLYING SHEAR

Erhard Henschker, Parkstone, England, assignor to The Loewy Engineering Company Limited, London, England, a corporation of Great Britain

Application October 21, 1944, Serial No. 559,859
In Great Britain October 26, 1943
5 Claims. (Cl. 164-49)



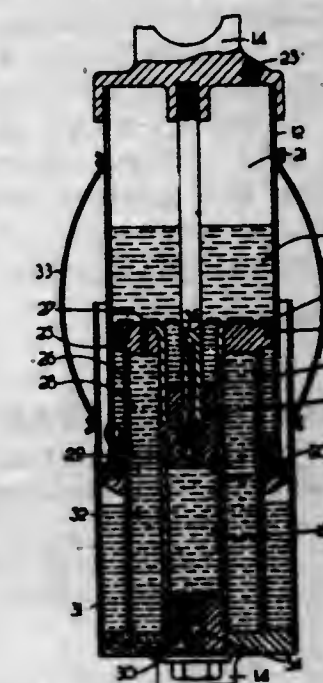
1. In a metal-cutting flying shear, the combination with a motor driven shaft, a frame for mounting and guiding the upper and lower shear blades respectively, said frame being further adapted to be rocked about said shaft, a cam rotating in unison with said shaft for imparting the rocking movement on to said frame, and a follower for said cam connected with said frame, of a double-acting pneumatic cylinder and piston which are so connected with said frame that admission of pressure fluid to one side of the piston will pull said frame in the direction of material movement and thereby urge said follower into contact with said cam during the working stroke of said frame, contact during the return stroke being maintained by said cam pressing against said follower, whilst admission of pressure fluid to the other side of said piston will push said frame in the opposite direction and thereby interrupt the contact between said cam and said follower, both for the working and the return stroke of said frame.

2,436,573

SUSPENSION UNIT, PARTICULARLY FOR MOTOR VEHICLES

William Munger Heynes, Coventry, England

Application October 11, 1944, Serial No. 558,201
In Great Britain April 14, 1944
2 Claims. (Cl. 267-64)



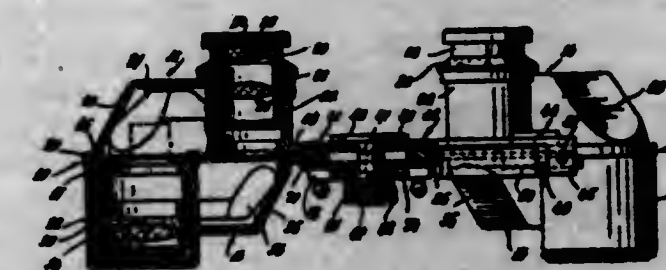
1. A suspension unit of the telescopic type, in which a reduction in size due to an increased load is resisted by a gaseous fluid compressed above atmospheric pressure, including a cylinder the main interior space of which contains the compressed gaseous fluid, a hollow annular piston having a head operable in and bounding the main interior space of the cylinder to leave an annular chamber, between said hollow annular piston and said cylinder on the side of said head which is remote from said main interior space, which increases in size as the main interior space of the cylinder diminishes, and conversely, these two spaces being interconnected by a bleed hole, the bore of the annular piston constituting a pump chamber, a plunger fast with the cylinder operating in the pump chamber, the piston having a port, between the pump chamber and the hollow annular interior of the piston, which is controlled by the plunger dependently upon the extension of the unit, damping means placing the hollow annular interior of the piston in communication with the main interior space of the cylinder, an inlet valve for the pump chamber, a reservoir, for liquid, communicating with the pump chamber both by a bleed hole and by the inlet valve, and an outlet valve in the plunger through which liquid can be delivered by the pump to the main interior space of the cylinder.

2,436,574

BINOCULAR MOUNT

Sten Johanson, New York, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of New York

Application February 14, 1945, Serial No. 577,874
8 Claims. (Cl. 88-34)



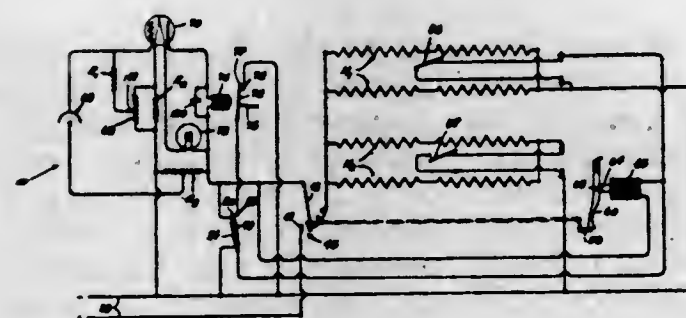
1. A binocular comprising a plate, a horizontal shaft carried by said plate, a pair of housings for

the optical systems of the instrument, each of said housings having an extension slidably mounted on said shaft and a flat projecting portion juxtaposed to said plate and carrying a pin, a second plate juxtaposed to said projecting portions of the housings having slots for the passage of said pins, a stud carried by the first-mentioned plate and extending outwardly of said second plate, means rotatably mounted on said stud in juxtaposition to the second plate and engaging said pins for simultaneously displacing the pins and therefore the housings away from and toward one another, and means mounted on said stud for maintaining the aforementioned rotatable means, the plates and the projecting portions of the housings in juxtaposed relation.

2,436,575

AUTOMATIC TOASTER

Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 20, 1940, Serial No. 341,445
23 Claims. (Cl. 99—326)



1. A bread toasting device comprising heating elements; a supply circuit therefor including a normally open switch; switch actuating means including a bread slice carriage normally biased to a toast-ejecting switch-opening position; latch means for holding said carriage depressed and said switch closed; electro-responsive means for releasing said latch; an auxiliary circuit including said electro-responsive means; means including a photoelectric cell responsive to the color of the bread and a sensitive relay operated thereby for abruptly altering the energization of said auxiliary circuit and causing said electro-responsive means to release said latch when the bread attains a predetermined color; and automatic delay action means for delaying operation of said electro-responsive latch-releasing means until said cell becomes operative to control said auxiliary circuit.

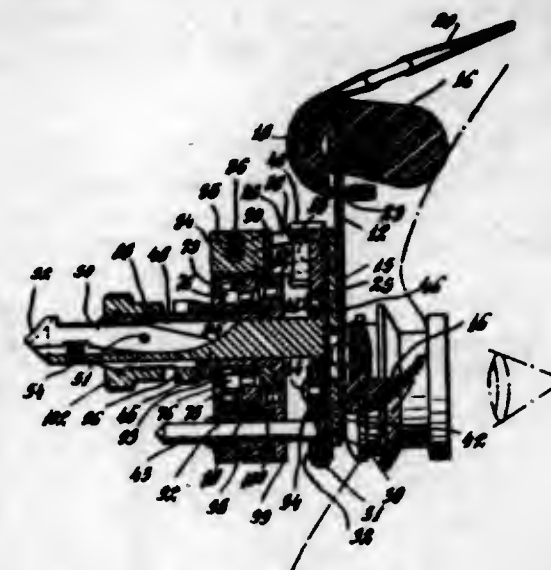
2,436,576

MOUNT FOR BINOCULARS

George Kende, Dobbs Ferry, and Sten Johanson, New York, N. Y., assignors to Universal Camera Corporation, New York, N. Y., a corporation of New York
Application February 14, 1945, Serial No. 577,875
5 Claims. (Cl. 88—36)

1. In a device for supporting a binocular before the eyes, a headgear comprising a goggle frame, a plate juxtaposed to said goggle frame and hingedly connected to the same for swinging movement in a downward direction to permit angular adjustment relative to the frame, means for locking said plate in angularly adjusted position, a stud carried by the plate and projecting therefrom in a forward direction, a sleeve rigidly secured to the binocular mounted on said stud to support the binocular thereon, said sleeve being

slidable along the stud for longitudinal adjustment thereon, and means carried by the sleeve for



locking the same on the stud in longitudinally adjusted position.

2,436,577

DISPENSER FOR STAPLES OR THE LIKE

Alexander J. Kirby, Detroit, Mich.
Application December 12, 1945, Serial No. 634,455
11 Claims. (Cl. 232—42)



5. In a dispenser for U-shaped articles, concentric inner and outer guide members spaced from each other to form a vertical U-shaped channel to receive said articles in stacked relation, a closure for the lower end of said channel, the lower portion of the outer guide member being cut away to form an opening to permit an article in the stack to be grasped and withdrawn from the stack, and a cam associated with said closure to cause said article to move upwardly while being so withdrawn.

2,436,578

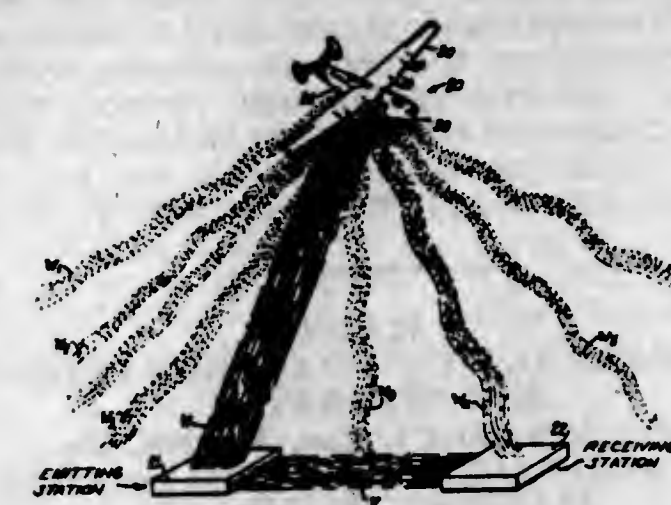
MEANS FOR ALTERING THE REFLECTION OF RADAR WAVES

Arthur Korn, Hoboken, N. J., and Joseph W. Hess and Simon L. Ruskin, New York, N. Y.; Adele Hess, administratrix of said Joseph W. Hess, deceased; Elizabeth P. Korn, administratrix of said Arthur Korn, deceased; assignors to said Ruskin
Application March 4, 1944, Serial No. 524,999½
3 Claims. (Cl. 250—176)

1. The combination with a body forming a transport adapted to carry various loads and normally adapted to reflect radio waves, of a layer

of metallic copper on the outer surface of said body and substantially covering it, and a second

duit from the lower chamber of each unit to the upper chamber of a different unit, the plungers

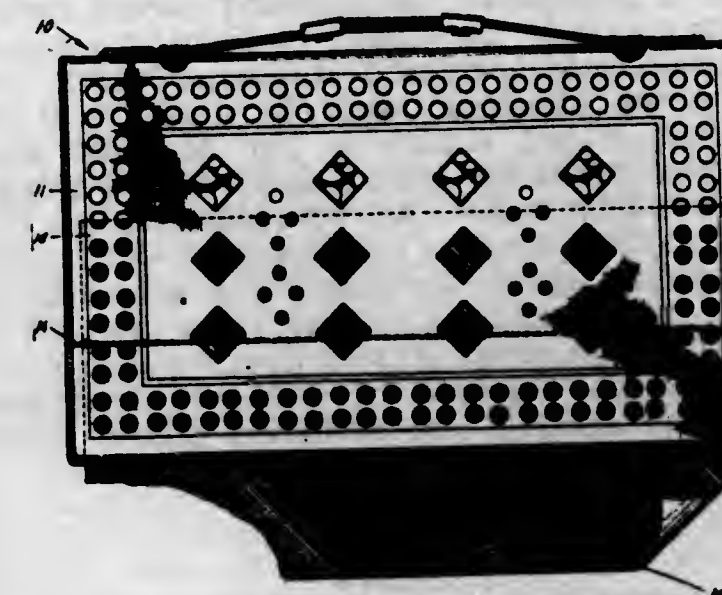


layer of cuprous oxide substantially covering it, so that said layers distort impinging radio waves.

2,436,579

POCKETBOOK PROVIDED WITH A PERFORATED FRONT WALL POCKET FOR HOUSING A COLORED INSERT

Morris Kritchman, New York, N. Y.
Application September 8, 1945, Serial No. 615,114
1 Claim. (Cl. 150—28)



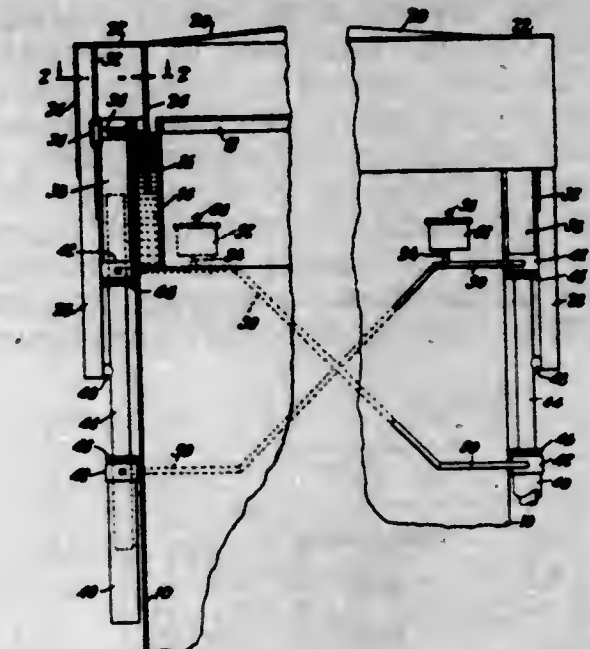
In a pocketbook of the character described, comprising a compartment substantially the entire width and height of the pocketbook formed between a front wall and a backing wall and secured together at their peripheral edges, said backing wall being provided with closure means, said front wall being perforated to form a design, a colored sheet of material smaller in size than said front and back walls insertable in said compartment whereby said colored sheet of material is visible through said perforated front wall.

2,436,580

MOVABLE ROOF STABILIZER

Wilbur G. Laird, Pleasantville, N. Y.
Application May 20, 1944, Serial No. 536,493
10 Claims. (Cl. 48—176)

1. In a storage apparatus for fluids including an upright cylindrical container and a vertically movable roof sealed with respect to the container wall, a plurality of at least three spaced hydraulic stabilizing units distributed around the container, each of said units including a pair of vertically spaced chambers fixed to the container, a plunger extending into said chambers and vertically movable therein, connecting means between the mid-portion of each plunger and the roof, and a con-

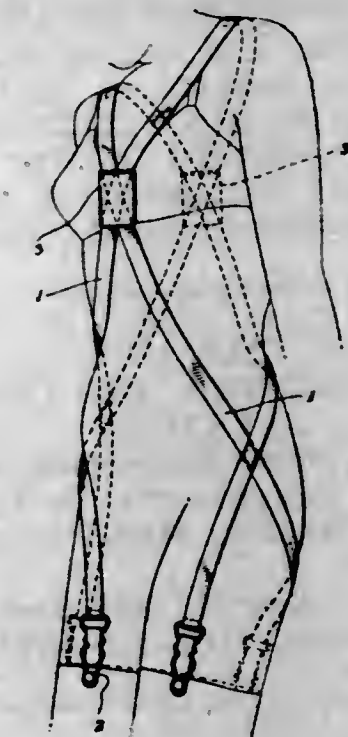


of the units interconnected by a conduit being of equal displacement.

2,436,581

GARMENT SUPPORTER

Paul Lazare, New York, N. Y.
Application June 11, 1947, Serial No. 753,871
2 Claims. (Cl. 2—305)



1. A supporter comprising a pair of bands which are adapted to rest on the wearer's shoulders, one on one shoulder and the other on the opposite shoulder, said bands being connected to each other at relatively high points at the front and back of the wearer, the parts beyond said points being long and being crossed each adjacent to one of the wearer's hips and passed round to the front and back of the wearer's legs, fastening devices secured to the extremities of the bands, and an adjustable sliding connector element engaging the bands at the first-named points.

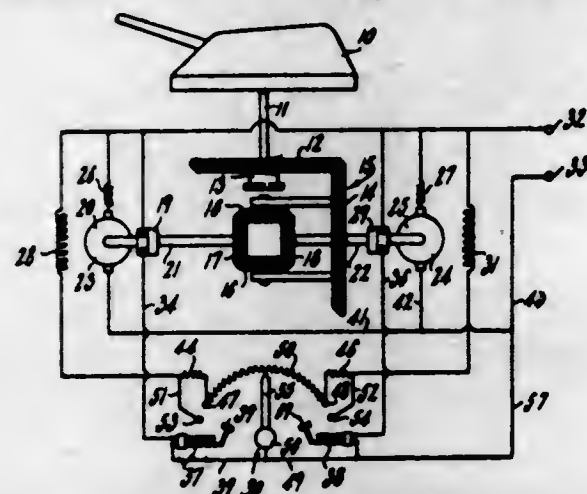
2,436,582

VARIABLE-SPEED CONTROL SYSTEM

William P. Lear, North Hollywood, Calif., assignor, by means assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application August 28, 1943, Serial No. 500,333
16 Claims. (Cl. 318—8)

1. A speed control system comprising, in combination, a rotatable member; a differential gearing having a driven member connected to said

rotatable member and a pair of driving members; a pair of electric motors each connectible to one of said driving members and arranged to rotate said driving members in opposite directions, each motor including a shunt field winding; clutch means each effective to connect one motor to its associated driving member; control mechanism arranged to progressively, in small increments, decrease the shunt field current of one motor while increasing the shunt field current of the other motor to gradually accelerate said rotatable member through a predetermined



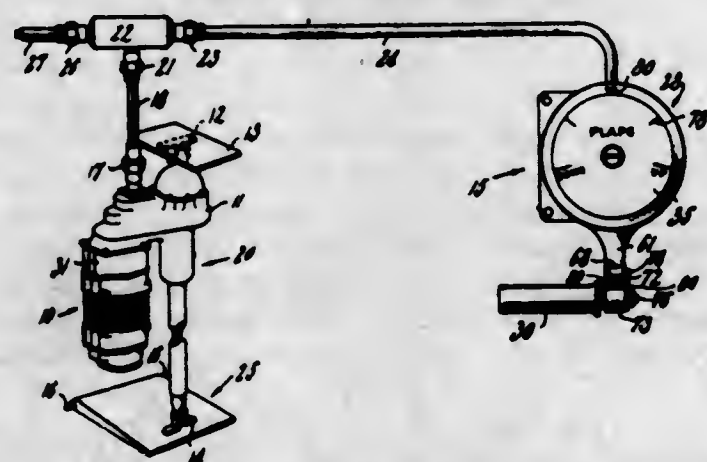
relatively small range of velocities; and electric means operative by said mechanism, when the speed of said rotatable member has reached the upper limit of said predetermined range of velocities, abruptly greatly decrease the field current of said one motor and correspondingly greatly increase the field current of said other motor, and to disengage the clutch connecting said other motor to its associated driving member, to abruptly increase the speed of said rotatable member to a maximum value several times said upper limit.

2,436,583

REMOTE-CONTROL AND INDICATOR SYSTEM

William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois

Application September 29, 1943, Serial No. 504,259
5 Claims. (Cl. 116-124)



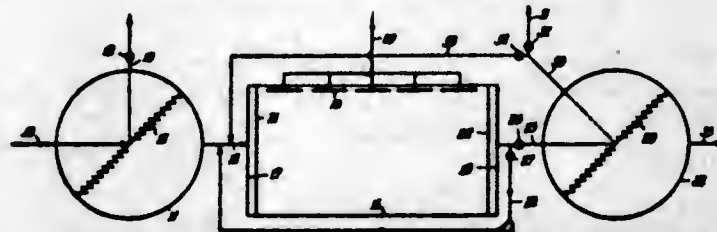
1. A remote position indicator and selector including a housing having a face plate with position indicia thereon and a bearing member; a driving shaft mounted in said bearing member; an element rotatably mounted in said housing and in driving relation with said driving shaft, said element comprising a disk portion and a rim portion integral with said disk portion, said rim portion having apertures therein; a pair of gears of substantially equal diameter rotatably mounted in said housing, one of said gears having at least one more gear tooth than the other gear, one of said gears being fixedly mounted in said housing and the other being rotatably mounted therein and said rotatably mounted gear having

a pointer cooperative with said indicia; a pinion rotatably mounted on said element and engaging both of said gears, said pinion being revoluble around the peripheries of said gears to cause relative displacement thereof; an annular member engaging said rim portion and formed with a radially projecting sleeve; a pin slidably mounted in said sleeve; means urging said pin into said apertures; and a crank handle secured to said pin.

2,436,584

HIGH RATE ACTIVATED SLUDGE PROCESS AND APPARATUS

John Alexander Logan, Malden, Mo.
Application April 21, 1943, Serial No. 483,972
18 Claims. (Cl. 210-8)

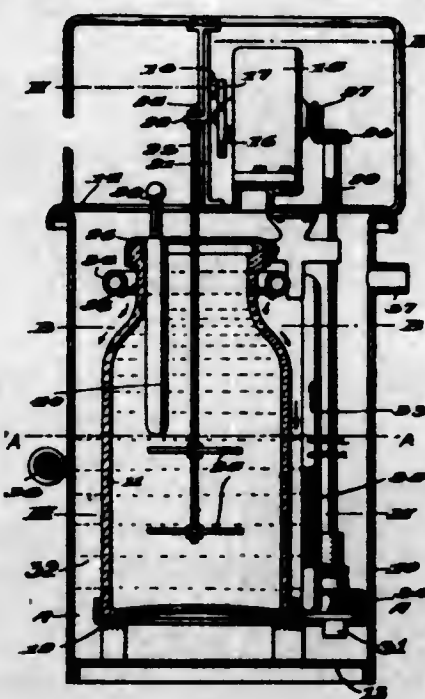


1. The treatment of sewage with activated sludge that comprises mixing entering sewage and active sludge separated from previously treated sewage, progressively passing the mixed liquor so formed across an aeration zone, aerating said mixed liquor in said aeration zone, withdrawing a portion of the aerated mixed liquor, separating sludge therefrom to form the source from which said activated sludge is taken, discharging the clarified liquor to waste, and returning separated sludge to the aeration zone and also withdrawing from a downstream section of the aeration zone and returning to an upstream section thereof a quantity of freshly aerated mixed liquor, the quantity of mixed liquor returned being such as to carry an amount of activated sludge ranging from about one to about four times the amount of returned separated sludge, and mixing the returned mixed liquor with entering polute carrying sewage.

2,436,585

PORTABLE MILK-PASTEURIZING APPARATUS

Eli F. Mangold, London, Ohio, assignor of one-half to Harold P. Chapman, Columbus, Ohio
Application September 1, 1943, Serial No. 500,753
8 Claims. (Cl. 99-252)



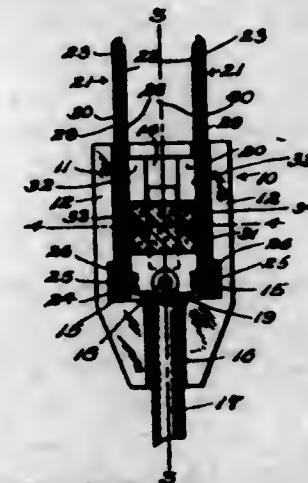
1. Portable milk-pasteurizing apparatus comprising an outer container, an inner milk-receiving receptacle, means for positioning said receptacle within said container with the walls of the

receptacle spaced from those of the container to provide a liquid-receiving space therebetween, a frame removably mounted on the top of said container, a motor carried by said frame, a pump having its inlet adapted to be submerged in the liquid disposed within said container, means driven by said motor for operating said pump, a spray coil surrounding the upper portion of said receptacle, said coil being in communication with the outlet of said pump, an agitator carried by said frame and adapted to be positioned within said receptacle, and means driven by said motor for operating said agitator.

2,436,586

SOCKET PLUG FOR ELECTRICAL OUTLETS

Eli F. Mangold, Chicago, Ill., assignor of one-half to Harold P. Chapman, Columbus, Ohio
Application July 10, 1945, Serial No. 604,241
1 Claim. (Cl. 173-361)



A socket plug for electrical outlets, comprising a casing composed of separable sections which, when assembled, provide an internal chamber having side walls formed with vertically extending and transversely registering slots, a pair of spaced metallic prongs, each of said prongs having spaced parallel legs, said prongs being positioned within said chamber and having forwardly projecting portions extending beyond an end wall of said casing, means for securing the inner ends of said prongs to said casing within the internal chamber thereof and for uniting the same with associated electrical conductors entering an end of said casing opposed to the outwardly projecting ends of said prongs, a runner element slidably mounted in said chamber, said element having exteriorly projecting manipulating extremities mounted for sliding movement in the slotted side walls of the casing sections, the inner legs of said prongs within said chamber being vertically slotted, and expansion devices joined with said runner element and extending through the slots in the inner legs of said prongs for disposal between said legs, said devices serving upon sliding actuation of said runner element to expand and contract the effective width of said prongs.

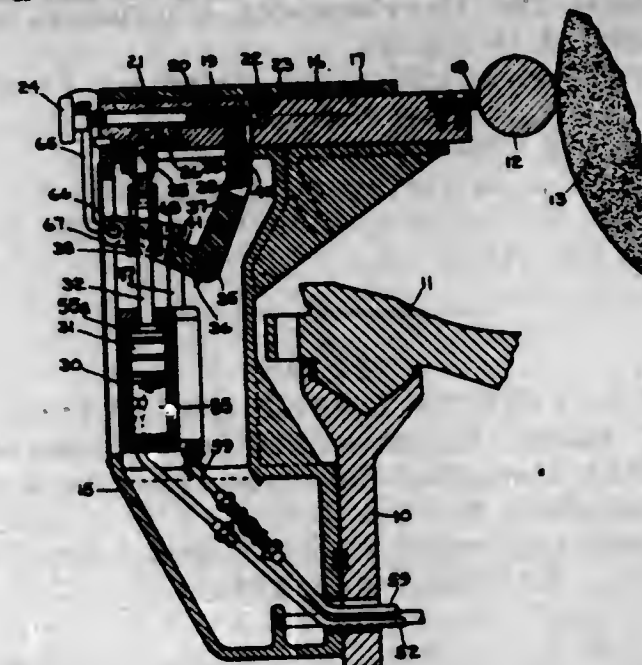
2,436,587

GRINDING MACHINE STEADY REST

Veikko J. Marshall, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 6, 1946, Serial No. 660,141
6 Claims. (Cl. 51-238)

1. A grinding machine steadyrest having a frame, a movable slide on said frame, a slidably mounted work steadying shoe on said frame, manually operable means to facilitate adjusting said shoe relative to said slide to maintain the shoe in operative engagement with a workpiece during a grinding operation, a locking device to lock said slide in an operative position, and a

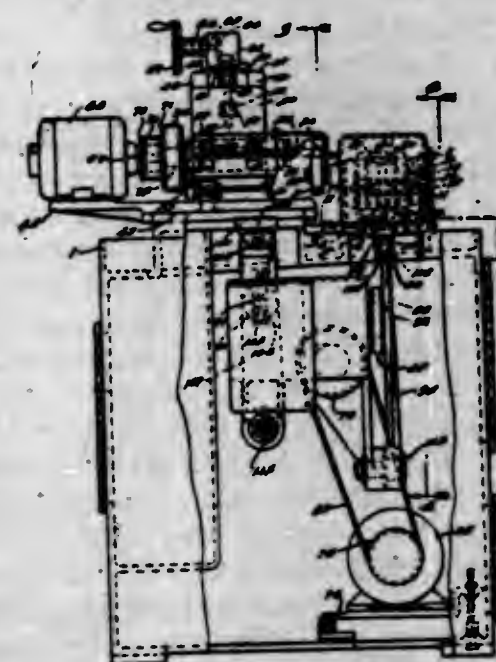
power operated mechanism operatively connected to control the actuation of both the locking device and the slide in either direction, said mechanism being arranged to actuate the locking device to unlock said slide and thereafter positively to move the slide and shoe to an inoperative position.



2,436,588

CAM GRINDING MACHINE

James Martin, Ferndale, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application August 2, 1945, Serial No. 608,479
9 Claims. (Cl. 51-45)



1. A machine for grinding uniform rise cams comprising a base, a spindle mounted on said base to rotatably support a workpiece, said spindle adapted to permit movement of the workpiece in the plane of rotation, a feed carriage mounted on said base for reciprocation normal to the plane of rotation of said workpiece, said carriage including a generally cylindrical, annular grinding wheel and means for driving the same, a stroke carriage mounted on said base for reciprocation in a plane parallel to the plane of rotation of said workpiece, a gear operatively associated with said spindle for effecting rotation thereof, a rack on said stroke carriage to engage said gear for effecting rotation and movement of said workpiece in its plane of rotation in accordance with said reciprocating movement, the combined rotational and planar movements serving to cause the peripheral surface of the workpiece to progressively contact the surface of the grinding wheel along the contour of a uniform rise cam, and common driving means to reciprocate said feed carriage and said stroke carriage in timed relationship.

2,436,589

COMPOUNDED LUBRICATING OIL

John P. McDermott, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 14, 1945, Serial No. 635,112

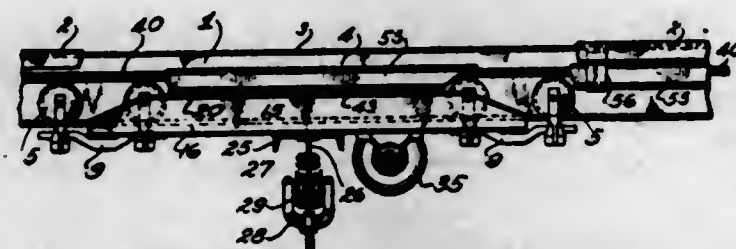
1 Claim. (Cl. 252-33.6)

A mineral lubricating oil containing dissolved therein an oxidation-inhibiting amount of zinc isopropyl xanthate.

2,436,590

ELECTRIFIED CRANE CONVEYOR

Ralph T. Moore, Lakewood, Ohio, assignor to The American MonoRail Company, Cleveland, Ohio, a corporation of Ohio
Application December 22, 1944, Serial No. 569,312
4 Claims. (Cl. 191-23)



1. In a crane conveyor comprising parallel spaced runways having tracks at their lower ends, a crane comprising a bridge extending transversely of said runways, end trucks connected thereto and disposed beneath said runways and wheels to run on the rails of said runways, means to propel the crane along said runways comprising a shaft carried by the crane, wheels on the shaft having driving engagement with the under surface of the runways and a motor to rotate said shaft and wheels, the combination of means for energizing said motor comprising current conducting bus bars disposed in horizontal alignment above the crane and along the runway adjacent to said motor, brackets attached to said runway and supporting said bus bars, a shoe carrier supported by the crane truck above said crane bridge, and current collecting shoes in said carrier engaging with the under side of said bus bars, and a shield supported by said brackets and housing said bus bars and collectors, said shield comprising a top wall extending over the top of the bus bars, a side wall extending vertically down from the top wall on the outer side of the bars and a bottom wall extending inwardly from the side wall and closely adjacent to the under-side of said collector carriers to a position at least as close to the runway as the side of the nearest bar.

2,436,591

PROCESS FOR MAKING OLEFIN CHLOROHYDRINS

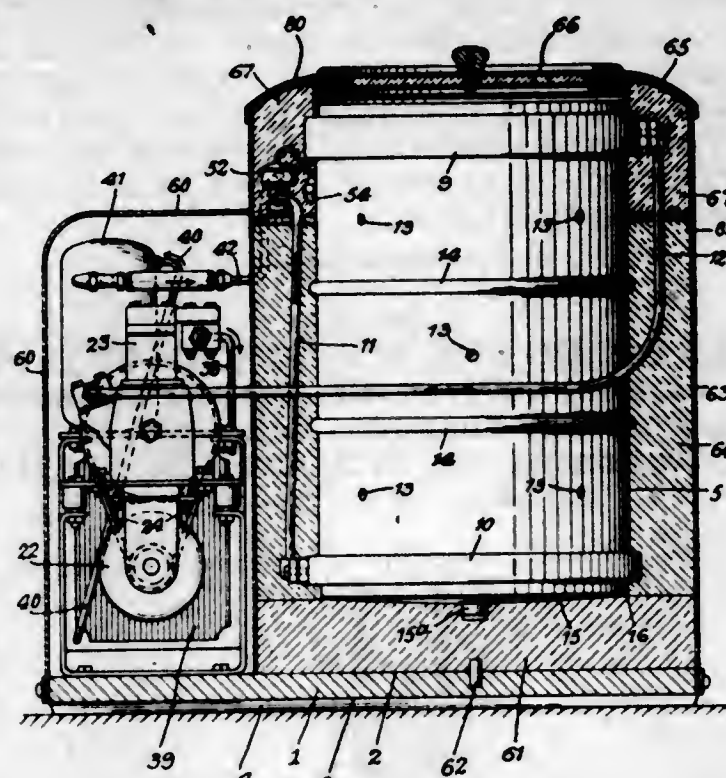
Charles E. Morrell, Westfield, James K. Small, Union, and Howard L. Yowell, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 24, 1945, Serial No. 612,458
20 Claims. (Cl. 260-634)

1. An improved process for making olefin chlorohydrins which comprises reacting chlorine with an olefin in the presence of a 20-80% by weight aqueous solution of sulfuric acid, separating HCl from the reaction mixture and then separating the olefin chlorohydrin at a temperature below its decomposition temperature.

2,436,592

STORAGE CONTAINER AND EVAPORATOR FOR REFRIGERATORS

Willard L. Morrison, Lake Forest, Ill.
Application August 14, 1944, Serial No. 549,430
5 Claims. (Cl. 62-126)

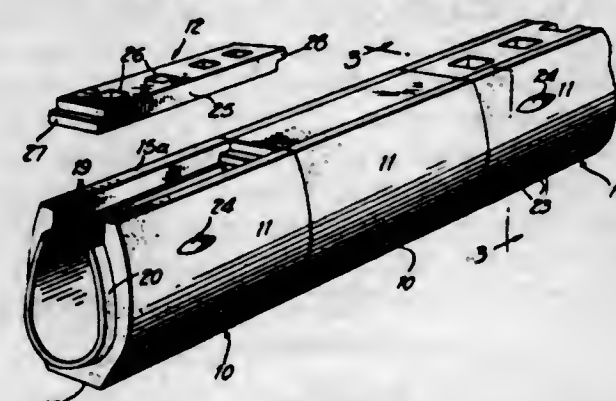


1. In an open topped evaporator and storage structure for refrigerators, concentric, generally vertically axised inner and outer cylinders having spacing means therebetween adapted to space them slightly apart, said cylinders being sealed together at their ends to define therebetween an evaporator space and having a bottom member enclosing the storage space surrounded by said evaporator, said evaporator having a circumferential distributor at one end, means for delivering a liquid refrigerant to said distributor and means for withdrawing the evaporated refrigerant from said evaporator space at a point remote from said distributor, said distributor being located adjacent the top of the evaporator, the clearance between said cylinders increasing progressively downwardly from said distributor.

2,436,593

COMBINED CURB AND SEWER

Herman G. Moselowitz, New Brunswick, N. J.
Application October 10, 1944, Serial No. 557,962
2 Claims. (Cl. 94-31)

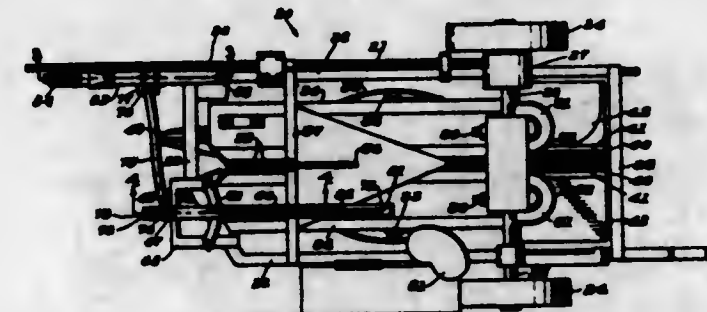


1. A combined curb and drain comprising a reinforced concrete elongated hollow body of horseshoe shape in cross section having a rounded inner bottom wall and curved upwardly converging opposed side walls, one of said side walls having an inwardly inclined drain inlet therein above the bottom wall thereof, opposed parallel ledges provided on the inner sides of the side walls adjacent the top thereof, and a slab-like concrete grating seated on the ledges and closing the top of said body and disposed flush with the top thereof, the body also having drain openings from the interior adjacent the bottom and additional inlets in its top.

2,436,594

ROOT HARVESTER AND STEERING MEANS THEREFOR

Winford E. Nicholey, Columbus, Ohio, assignor to The Scott Viner Company, Columbus, Ohio, a corporation of Ohio
Application November 5, 1943, Serial No. 509,054
2 Claims. (Cl. 55-108)

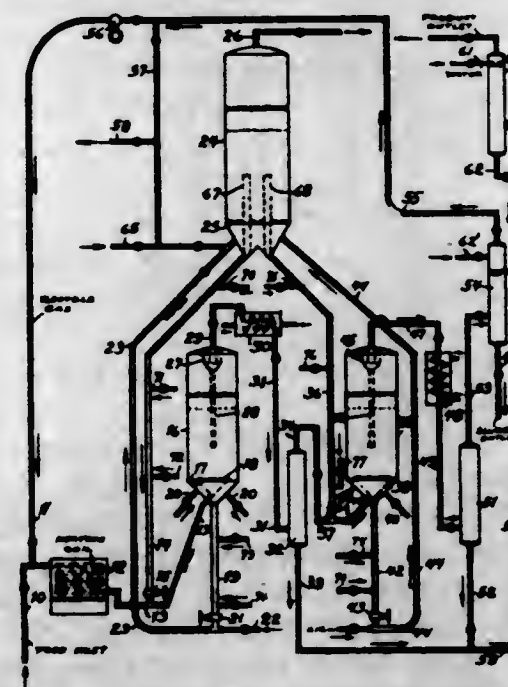


1. A root harvester comprising in combination a two wheeled vehicle including a main frame; two laterally disposed wheels carrying the frame adjacent the rear end thereof; a manually adjustable plow share pivotally connected to the main frame and disposed to project into the ground at the forward end of the main frame; a manually adjustable conveyor frame pivotally connected to the main frame; a rearwardly and upwardly extending root lifting and conveyor means mounted on said conveyor frame and having the forward end thereof disposed near the ground at the forward end of the main frame; a draw bar adjacent to the root conveyor means and pivotally attached to the forward end of the main frame, the free end of the draw bar extending forwardly and having means for connecting the same to a draft means and said draft means and said two wheels constituting the entire support of the main frame; and a manually adjustable lever pivotally connected to the forward end of the main frame for adjusting the relative position of the forward end of the draw bar and the main frame around a vertical pivotal axis so that the adjusting lever moves the forward end of the draw bar laterally relative to the frame.

2,436,595

CONVERSION OF HYDROCARBON GASES

Edward W. S. Nicholson and Aaron K. Redcay, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 19, 1943, Serial No. 510,872
2 Claims. (Cl. 260-666)



1. The process for converting methane into higher boiling hydrocarbons which comprises passing methane to be converted through a conversion zone containing a body of finely divided

dehydropolymerizing catalyst, continuously withdrawing catalyst from said conversion zone, passing the catalyst so withdrawn to a regeneration zone, removing combustible deposits contained on said catalyst by burning within said regeneration zone to regenerate and heat the catalyst, continuously returning hot regenerated catalyst to said conversion zone, maintaining the conversion zone at an active conversion temperature of between about 1400° F. and 1600° F., maintaining said gas in contact with said catalyst for a period sufficient to convert a portion thereof into higher boiling normally liquid hydrocarbons, thereafter withdrawing gaseous conversion products from the conversion zone, cooling said gases to condense higher boiling normally liquid hydrocarbons formed in said conversion zone, separating the condensate from unreacted gaseous product, passing the unreacted gaseous product to a second conversion zone separate and independent of said first-named conversion zone, contacting the gaseous product in the second-named conversion zone with a finely divided dehydropolymerizing catalyst, continuously withdrawing catalyst from said second-named conversion zone, passing catalyst so withdrawn to said regeneration zone for removing combustible deposits formed thereon, continuously returning regenerated catalyst from said regeneration zone to said second-named conversion zone, maintaining gaseous products in said second conversion zone for a period sufficient to convert a further portion of said gases into higher boiling hydrocarbons, thereafter removing reaction products from the second conversion zone and segregating a higher boiling hydrocarbon fraction therefrom.

2,436,596

ADHESIVE AND METHOD OF MAKING THE SAME

Henry Francis Noakes and James Robert Martyn, James Island, British Columbia, Canada, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 22, 1942, Serial No. 455,778
4 Claims. (Cl. 154-141)

1. A laminated fabric comprising a paper having a grease or wax on the surface and firmly joined thereto a similar sheet of paper by means of an intermediate film of a non-acid adhesive comprising an emulsion of an animal glue and a water immiscible volatile solvent for the said wax or grease, said solvent being present in amount greater than the dry glue.

2,436,597

METHOD AND MEANS FOR MOLDING PLASTIC OBJECTS

Carl W. Otis, Rockville Centre, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application August 29, 1944, Serial No. 551,643
9 Claims. (Cl. 18-34)



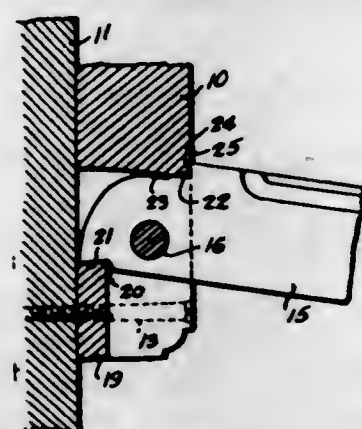
1. A process for molding a plastic object having an insert with lateral extensions projecting

from opposite sides of the object comprising disposing the bottom surface of a cavity plate having a through hole on a jig having insert positioning means, with the hole in registration with said positioning means, placing an insert on the opposite surface of the cavity plate, with the aid of said positioning means locating the insert with respect to the hole so that the insert bridges the hole, placing a preform upon the portion of the insert between the edges of the hole, placing a plate assembly on top of the cavity plate so as to press against the preform and thereby force the lateral extensions of the insert against the surface of the cavity plate, locking the plate assembly to the cavity plate, inverting the locked plate assembly and cavity plate to expose the other end of the through hole, placing a preform in said other end, placing said inverted locked plate assembly, cavity plate, preforms and insert on the platen of a molding press, moving the two platens of said press together, heating said preforms so as to cause the same to flow and fill the hole, moving said platens apart, unlocking and removing said plate assembly from said cavity plate, and stripping the plastic object with the laterally extending insert from the cavity plate.

2,436,598

CASKET HANDLE

John Pastor and Louis J. Standish, Bridgeport, Conn., assignors to The Bridgeport Casket Hardware Company, Bridgeport, Conn., a corporation of Connecticut
Application August 22, 1942, Serial No. 455,768
4 Claims. (Cl. 16—112)



1. A casket handle attaching device comprising a bracket portion and a rod-carrying hinge member, said bracket portion being slotted to receive said hinge member and said hinge member being pivotally mounted at a point adjacent its upper end upon horizontal pin means, a recess at each side of the slot in the inner face of said bracket portion, and an abutment piece extending across said slot with its ends fitting into said recesses, said abutment piece lying flush with the inner face of the bracket portion whereby it is held in place by the adjacent wall of the casket and being located somewhat below and to the rear of the pin means in position to be engaged by the upper inner portion of the hinge member whereby to stop upward movement of the latter.

2,436,599

BITUMINOUS BONDING COMPOSITION

Chester L. Read and Anthony H. Gleason, Westfield, N. J., assignors, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware

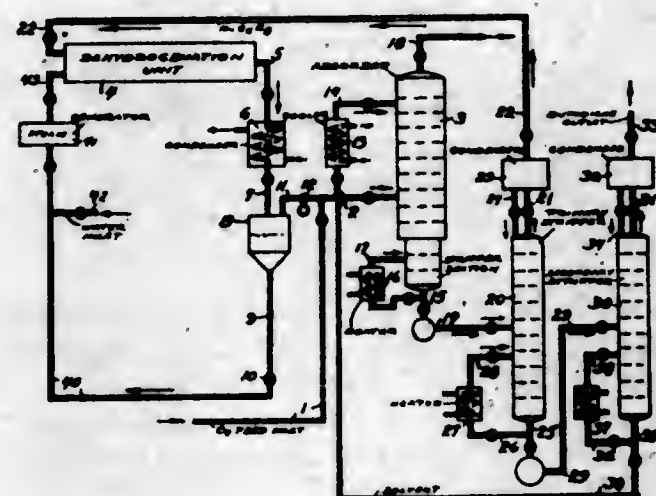
No Drawing. Application June 12, 1941,
Serial No. 397,748

2 Claims. (Cl. 106—281)

1. A bituminous bonding composition comprising solid substances, an asphalt and 0.1 to 1% by weight of 1,10 diamino decane.

2,436,600
PRODUCTION AND CONCENTRATION OF BUTADIENE

Edward D. Reeves, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 31, 1942, Serial No. 464,084
7 Claims. (Cl. 260—680)

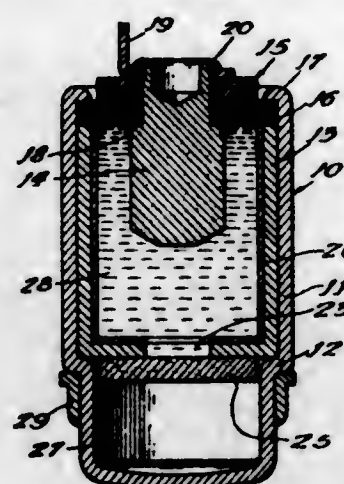


1. The method of preventing excessive build-up of isobutylene content in the recycle stock of a dehydrogenation system for the production of butadiene from n-butene wherein isobutylene is produced as a by-product, which comprises combining the effluent of a dehydrogenation zone with fresh feed stock, introducing said combined effluent and stock containing n-butene, isobutylene and butadiene into an absorbing zone, introducing into said zone a preferential solvent for butadiene and n-butene, thereby separating said isobutylene and withdrawing it from said absorbing zone, passing said solution with absorbed butadiene and n-butene to a stripping zone, stripping said n-butene and recycling it to said dehydrogenation zone, and recovering butadiene from said solution.

2,436,601

SWITCH ELEMENT

Ernst Walter Rickmeyer, Berkeley, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application October 11, 1945, Serial No. 621,814
9 Claims. (Cl. 200—80)

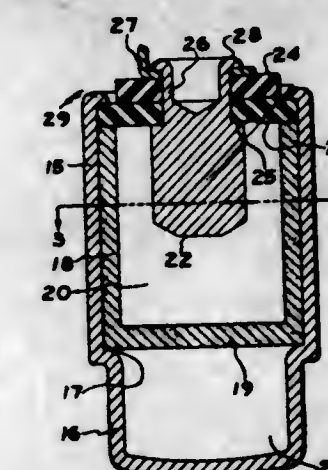


1. A mercury switch comprising a switch envelope, a cup in the envelope having an orifice in the bottom thereof, the bottom of the cup being spaced from both ends of the envelope so as to divide the envelope into two chambers, a rib on the bottom face of the cup and disposed substantially circumferentially with respect to the orifice, and a wafer of sintered metal particles adapted to be welded to the rib.

2,436,602

TIMING SWITCH

Ernst Walter Rickmeyer, Berkeley, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application November 12, 1946, Serial No. 709,151
24 Claims. (Cl. 200—80)

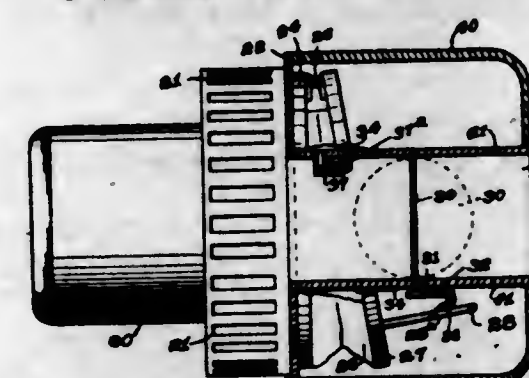


1. In a device of the character described, a pair of chambers, a quantity of mercury in one of said chambers, and partition means between said chambers having at least a portion thereof provided with a multitude of fine passages capable of substantially retaining mercury on one side of the partition in normal handling and capable of passing the mercury when it is subjected to high pressure tending to force the mercury through the partition, said portion comprising a thickness of powdered metal sintered to cause the particles to adhere to each other.

2,436,603

PNEUMATIC SIREN

Donald D. Ritchey, Brookmont, Md.
Application May 15, 1943, Serial No. 487,185
6 Claims. (Cl. 116—147)



5. A sound device comprising a siren having an air passage, means for periodically and alternately permitting and stopping the passage of air through the passage to the siren including an automatically controlled valve means, the siren and valve means being operatively connected to and operated from the same air power source.

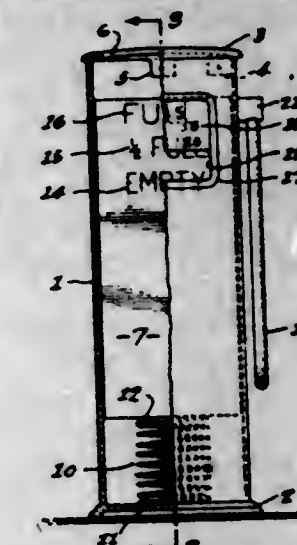
2,436,604

TOY BANK

Melvin E. Roberts, Los Angeles, Calif.
Application December 3, 1945, Serial No. 632,519
1 Claim. (Cl. 232—4)

In a toy bank: a casing having a vertical passage therein and having an on-circular cross-section; a receptacle in the casing guided for longitudinal movement in the casing, said receptacle having a cross-section corresponding to that of the casing, and restricted by said casing against rotation of the receptacle in the casing; said casing having a slot in its upper wall through which coins may be deposited into the receptacle; and a compression spring between the bottom of the casing and the bottom of the receptacle, the extent of compression being a measure of the weight of the coins accumulated in the receptacle; said casing having a window, capable of indicating, in co-

operation with indicia on that portion of the receptacle adapted to be exposed in the window, the

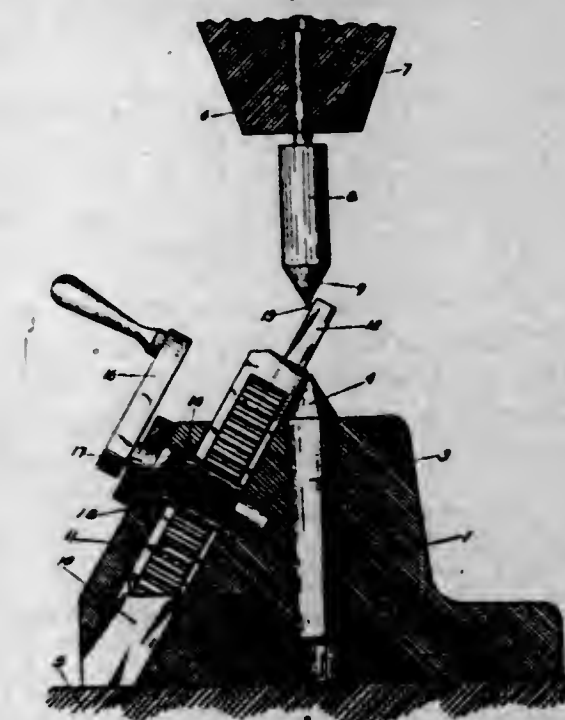


weight or its equivalent of the accumulated coins, at least a portion of said indicia being visible in any operative position of said receptacle.

2,436,605

LAPPING DEVICE

Stanley J. Robins, New York, N. Y.
Application June 22, 1944, Serial No. 541,599
1 Claim. (Cl. 51—71)



In a device for alternately lapping and dressing workpieces, in combination a portable support and a vertical center pin mounted in said support, a dressing tool and means for reciprocating said dressing tool in a plane extending at an angle other than a right angle to the vertical, said tool and reciprocating means being also mounted in said support, whereby, when said support is situated underneath a conical lapping tool rotatable about a vertical axis, the workpiece may be centered between the lapping tool cone and said center pin and be lapped, whereupon after removal of the workpiece, said lapping cone and dressing tool may be contacted by suitable adjustment, and the lapping tool dressed between two lapping operations.

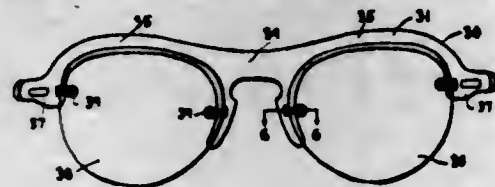
2,436,606

SPECTACLE LENS MOUNTING

John J. Rohrbach, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application April 26, 1945, Serial No. 590,468
7 Claims. (Cl. 88—47)

1. A semi-rimless ophthalmic mounting comprising a bridge, top arms and endpieces made at least in part of plastic material, four substantially U-shaped staples having their legs ex-

tending into said plastic material, said staples being located at spaced points appropriate for connection to the opposite sides of a pair of lenses to be supported from said staples, the head of each



of said staples constituting a substantially vertical journal portion, and a lens strap pivotally mounted on each of said journal portions, said staple legs serving to limit vertical movement of said lens straps on said journal portions.

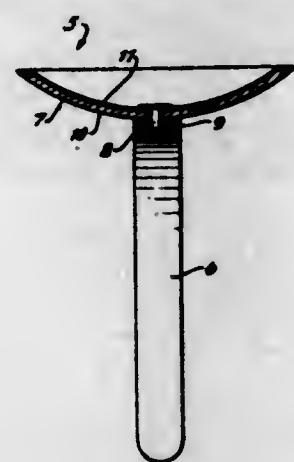
2,436,607

HAIRPIN RECEPTACLE

Alice E. Rosenthal, Newport, R. I.

Application September 16, 1946, Serial No. 697,271

3 Claims. (Cl. 223-109)



3. A hair pin receptacle comprising in combination, a dish-like outer shell, means for attaching said shell to the person of the user, and a permanent magnet comprising a dish-like insert complementary to and positioned in said outer shell.

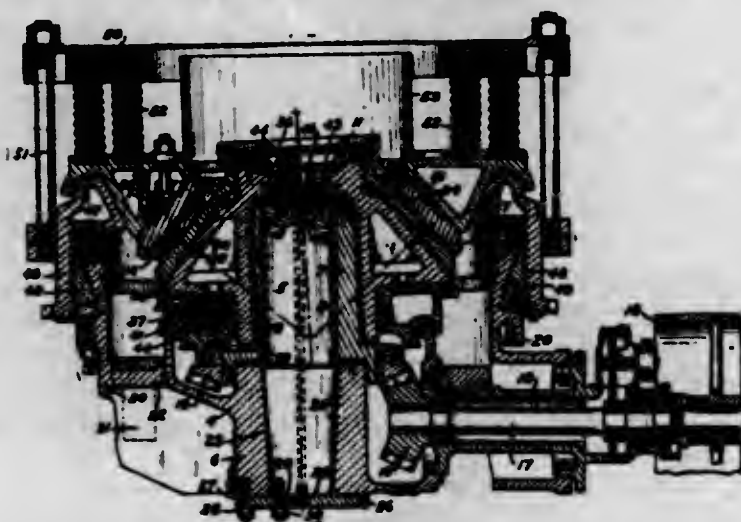
2,436,608

CANTILEVER COLUMN ASSEMBLY FOR CRUSHERS

Harvey H. Rumpel, Milwaukee, Wis., assignor to Smith Engineering Works, Milwaukee, Wis., a corporation of Wisconsin

Application February 14, 1944, Serial No. 522,275

8 Claims. (Cl. 241-208)



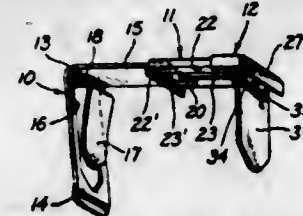
1. In a crusher, a frame having thereon a rigid upstanding column the upper extremity of which is provided with a spherical depression, a thrust plate having a lower spherical zone surface coacting with and slidable laterally within said depression and also having an upper plane surface, an eccentric revolvable about said column, and a crushing head gyratable by said eccentric and having a lower inner plane surface coacting with and slidable laterally of said upper plate surface.

**2,436,609
AUTOMATIC BOOK MARKER**

Abe Safer, Brooklyn, N. Y.

Application August 16, 1946, Serial No. 691,080

6 Claims. (Cl. 116-119)



1. A book-marker of the class described formed from a plurality of narrow strip parts, one part being bent to form a clip body portion and a supporting plate disposed substantially at right angles to each other, a spring finger formed from the material of said clip body part and being offset with respect to the inner surface thereof, another part comprising an elongated sleeve slidably engaging said plate, means on the under-surface of said plate and said sleeve for checking outward movement of the sleeve on said plate, a supplemental sleeve slidably engaging the first sleeve, means at end portions of the first named sleeve checking sliding movement of the supplemental sleeve in both directions thereon, said supplemental sleeve comprising a narrow strip substantially encircling the first named sleeve, a pair of cylindrical bearings formed from the material of said strip within boundaries thereof, said bearings being disposed on the inner surface of the supplemental sleeve, and a marking finger pivotally supported in said bearings.

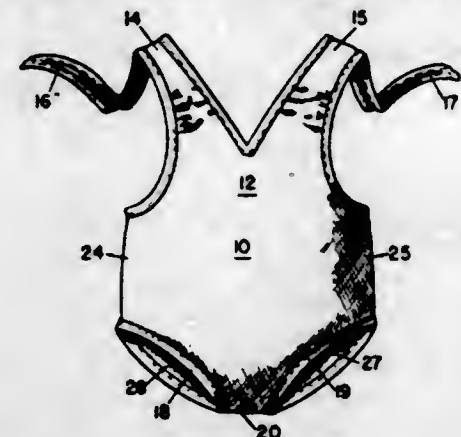
2,436,610

BODY GARMENT

Hilarie Eitel Saxon, Seattle, Wash.

Application January 8, 1946, Serial No. 639,821

6 Claims. (Cl. 2-80)



1. A play suit, comprising: a front panel to cover the body from hip to hip and from the crotch upward, said front panel merging with breast-covering portions, a tab to extend substantially through the crotch, a rear panel attached to each hip side-portion of the front panel and to the crotch tab adjacent a medial line thereof, said rear panels being of a size to overlap upward from adjacent their point of attachment to the crotch tab, and means for securing the rear panels in overlapped adjusted relation across the rear of a wearer.

2,436,611

BINDING

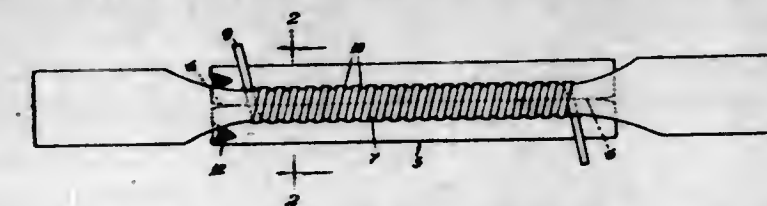
Ruth E. Setterberg, New York, N. Y., assignor to Mark Cross Company, New York, N. Y., a corporation of New York

Application February 7, 1947, Serial No. 727,195

6 Claims. (Cl. 2-278)

3. A binding of the character disclosed comprising a lower strip having its longitudinal edges rolled together, an upper strip of less width than

the lower strip having its longitudinal edges rolled together and superposed over the rolled together edges of the lower strip and a lacing surrounding said rolled upper strip and extending



through adjoining edge portions of the lower strip, and said lacing constituting the sole means for securing the edges of both strips together and for securing said strips in the superposed relation described.

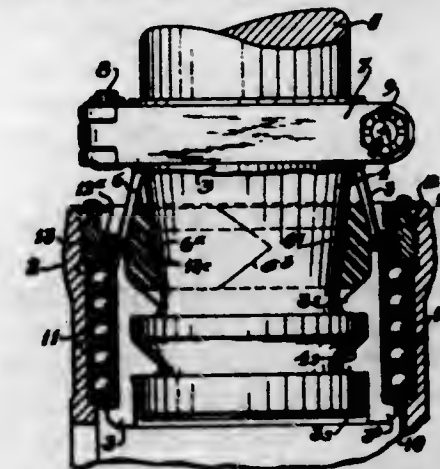
2,436,612

SEALED PROPELLER HUB ARRANGEMENT

Jack H. Sheets, Verona, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application October 28, 1942, Serial No. 463,644

3 Claims. (Cl. 170-162)



1. In combination, a blade receiving hub socket, a blade journalling assembly including a blade shank, a split flexible ring disposed about said shank, a split bearing sleeve comprising complementary half sections embracing said split ring and said shank, the engaging surfaces of said sleeve being undercut for a portion of their length to provide diametrically opposite slots therein, a second ring associated with said assembly comprising a resilient member having diametrically opposite inwardly extending projections thereon positioned about said sleeve with said projections disposed in said slots; blade retention means threaded in said socket, and means disposed about the slotted portion of said sleeve clamping said sleeve to said blade shank.

2,436,613

AUTOMATIC CIGARETTE HOLDER

Willford P. Sinclair, Ryland, N. C.

Application October 21, 1946, Serial No. 704,759

3 Claims. (Cl. 131-190)



1. A cigarette holder comprising an elongated body being formed with an axial longitudinally extending smoke passage and a bit on its inner end, the outer end of said holder being formed with a cigarette supporting socket being radially slotted to provide opposed outwardly flared side walls or seats, a pivoted wedge shaped cigarette clamping and securing jaw member pivotally supported in said slot and having the cigarette engaging portion thereof formed with a less curvature than the curvature of said socket whereby a pinching action will be had on a cigarette when inserted in said socket.

2,436,614

SOLID STYRENE POLYMER FORMATION AT LOW TEMPERATURES

William J. Sparks, Cranford, Henry B. Kellogg, Union City, and Donald C. Field, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 10, 1942,

Serial No. 450,410

3 Claims. (Cl. 260-91)

1. A process for polymerizing vinyl aromatic hydrocarbons, which comprises forming a solution containing as a sole polymerizable material a compound selected from the group consisting of styrene, alpha methyl styrene, para methyl styrene and alpha methyl para methyl styrene in an alkyl chloride having 1 to 2 carbon atoms per molecule, cooling the solution to a polymerization temperature between -78°C . and -103°C . and polymerizing the polymerizable material at the said polymerization temperature while said polymerizable material remains in solution and the alkyl chloride remains liquid and in the presence of a Friedel-Crafts catalyst dissolved in an alkyl chloride having 1 to 2 carbon atoms per molecule and being liquid at said polymerization temperature to produce a solid resinous polymer.

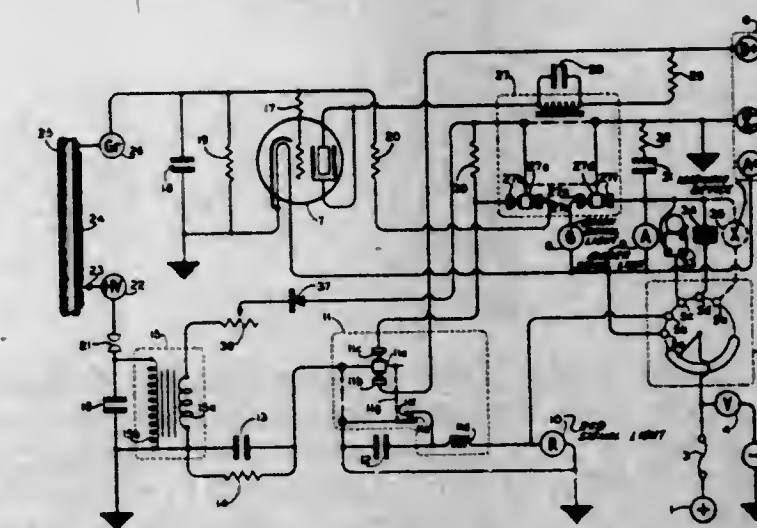
2,436,615

APPARATUS FOR DETECTING IMPERFECTIONS IN INSULATING MATERIALS

Dick E. Stearns, Shreveport, La.

Application July 5, 1943, Serial No. 493,514

3 Claims. (Cl. 175-183)



1. Apparatus for testing non-conductive material positioned on a conductive member, and locating flaws in the non-conductive material, comprising a testing circuit including a test electrode adapted to be placed in contact with the material to be tested and an electrode adapted to be electrically connected to the conductive member, a condenser connected in the testing circuit in series with the electrodes, a high voltage oscillatory surge generator having its output connected to the testing circuit to energize the same including the electrodes and condenser, a thermionic tube detector including said condenser in its grid circuit whereby the flow of current through the plate circuit of the tube is responsive to the charge on the condenser, and relay means connected to control the generator and connected to the plate circuit of the thermionic tube and responsive to the flow of current therein to control the energization of the generator whereby in operation the generator is normally energized, and is effectively de-energized when the charge on the condenser increases as when the test electrode encounters a flaw in the material tested.

2,436,616

DEHYDROGENATION PROCESS

Simpson D. Sumerford, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 16, 1945,

Serial No. 583,172

8 Claims. (Cl. 260-669)

5. The method of dehydrogenating a hydrocarbon selected from the class consisting of mono-olefins containing at least 4 carbon atoms to the molecule and cyclic hydrocarbons containing a benzene nucleus and at least two carbon atoms in an alkyl substituent group, which comprises contacting said hydrocarbons admixed with steam at temperatures of from about 1100° F. to 1400° F. with a catalyst the active component of which consists of an iron group metal oxide promoted by a smaller amount of potassium chromate.

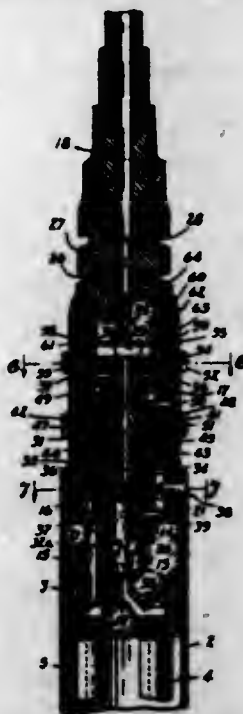
2,436,617

WELDING TORCH

Tony Svet, Cleveland, Ohio

Application March 21, 1945, Serial No. 583,934

9 Claims. (Cl. 158-27.4)



2. A torch comprising a body having a hand grip portion with a nozzle attached thereto, said body having a mixing chamber communicating with said nozzle and two passages delivering into the inner end of said chamber, an axially movable tubular member, a valve carried by said member for controlling one of said passages, and an axially movable valve member within said tubular member for controlling the other passage.

2,436,618

CONVERSION OF HYDROCARBON OILS

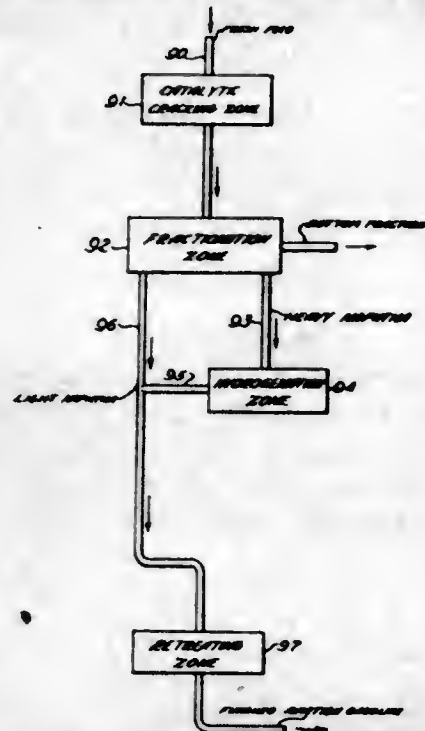
William J. Sweeney, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 27, 1944, Serial No. 569,996

1 Claim. (Cl. 196-52)

A process for the conversion of higher boiling hydrocarbons into lower boiling hydrocarbons suitable for motor fuel which comprises passing a stream of said higher boiling hydrocarbons through a cracking zone maintained at an active cracking temperature between 850° F. and 1000° F., contacting said hydrocarbons within said cracking zone with an active cracking catalyst, maintaining said oil within said cracking zone for a period sufficient to convert a major portion of said hydrocarbons into constituents outside the boiling range of said first-named hydrocarbons,

fractionating the cracked products to segregate a light naphtha fraction containing a relatively high proportion of olefinic constituents and a heavy naphtha fraction containing a major portion of aromatic constituents, hydrogenating said heavy naphtha fraction under non-destructive conditions to convert at least a portion of said aromatic constituents into naphthenes, combin-



ing the hydrogenated heavy naphtha so formed with said light naphtha fraction, subjecting the combined mixture to further treatment with an active cracking catalyst at a temperature between about 500° F. and 850° F. to reduce the olefin content thereof, and fractionating the resulting treated product to segregate a motor fuel fraction therefrom.

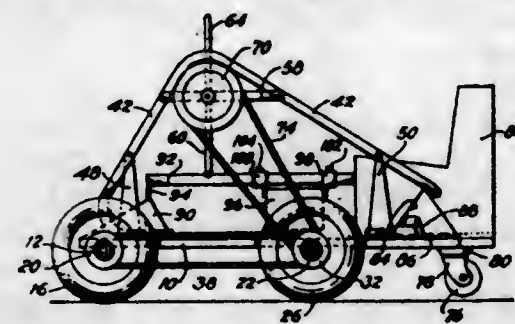
2,436,619

ARMCYCLE

Paul E. Swindell, Nashville, Tenn.

Application December 20, 1945, Serial No. 636,209

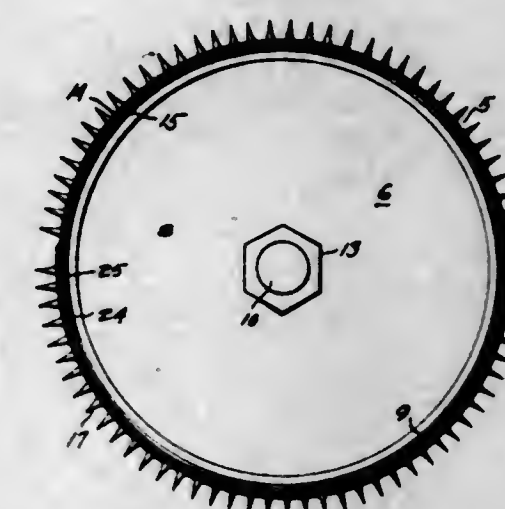
9 Claims. (Cl. 280-208)



1. A manually operated vehicle comprising a horizontal platform, a freely rotatable front wheel mounted at the front end of the platform, two independently rotatable rear wheels mounted on opposite sides of the platform slightly to the rear of the center of the platform, right hand and left hand operated cranks rotatably mounted a substantial distance above the platform intermediate the axes of the front and rear wheels, driving means connecting each crank with a separate rear wheel for driving such rear wheel by rotation of the crank, a freely rotating caster wheel positioned under the rear end of the platform at the middle thereof and mounted so as to be suspended a short distance above the ground when the vehicle rests on the front and rear wheels, a seat on the platform positioned slightly to the rear of the axis of the rear wheels, and means for adjusting the center of gravity of the vehicle longitudinally so that when the vehicle is occupied by the operator in normal operating position the center of gravity of the occupied vehicle is slightly forward of the axis of the rear wheels and shifts to the rear of such axis when the operator shifts his weight backward.

2. A manually operated vehicle comprising a horizontal platform, two independently rotatable front wheels mounted on opposite sides of the platform at the front end thereof, two independently rotatable rear wheels mounted on opposite sides of the platform slightly to the rear of the center of the platform, a side frame member on each side of the platform extending a substantial distance above the platform, a hand operated crank rotatably mounted in each side frame member a substantial distance above the platform intermediate the axes of the front and rear wheels, driving means connecting each crank with the rear wheel mounted on the same side of the platform for driving the rear wheel by rotation of the crank, a freely rotating caster wheel positioned under the rear end of the platform at the middle thereof and mounted so as to be suspended a short distance above the ground when the vehicle rests on the other four wheels, a seat on the platform positioned slightly to the rear of the axis of the rear wheels, and means for adjusting the center of gravity of the vehicle longitudinally so that when the vehicle is occupied by the operator in normal operating position the center of gravity of the occupied vehicle is slightly forward of the axis of the rear wheels and shifts to the rear of such axis when the operator shifts his weight backward.

permanently connecting said ends together, an inner split band located within the outer band, means permanently connecting one end of said inner band to said inward overlapping end of said outer band adjacent said connecting means first named and at a point spaced inwardly from



said end of said inner band whereby said end projects beyond the inward end of said outer band and due to said overlap, in spaced relation to the first band to form a channel, and the other end of said inner band being slidable in said channel.

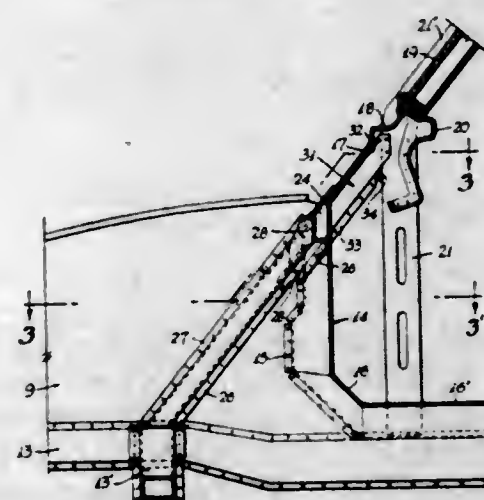
2,436,620

BRACE FOR VEHICLES, ESPECIALLY FOR AUTOMOBILES

John P. Tarbox, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 30, 1943, Serial No. 508,319

1 Claim. (Cl. 296-28)



In a vehicle body, an end compartment comprising side walls and a transverse partition between the end compartment and the adjoining main compartment; a brace structure of inverted U-form having its side arms arranged along the side walls and its middle portion along the transverse partition and extending in a transverse plane which is upwardly inclined from near the lower margin of the body toward the transverse vertical middle plane of the body, the brace structure having U-section arms and a middle portion, the open sides of the U-sections facing, being closed by and having their margins secured to said side panels and said partition, respectively.

2,436,621

ABRASIVE WHEEL CASING

Alton E. Tobey, Santa Cruz, Calif.

Application July 27, 1944, Serial No. 546,821

6 Claims. (Cl. 29-78)

5. A casing comprising an outer split band having inward and outward overlapping ends, means

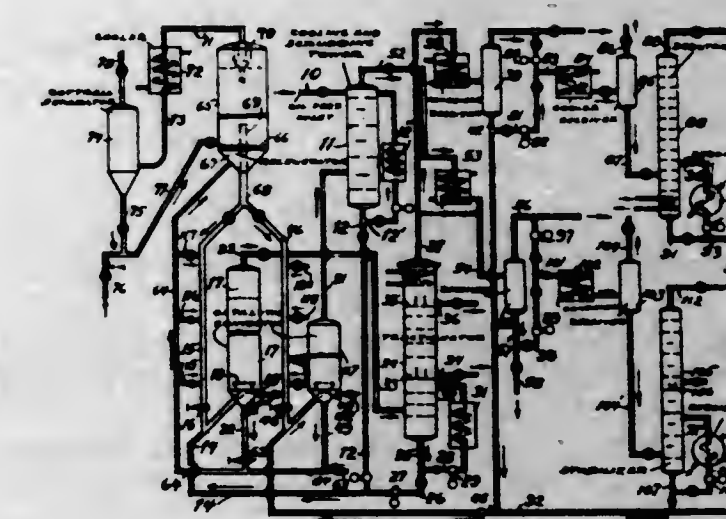
2,436,622

CATALYTIC CRACKING AND REFINING OF HYDROCARBON OILS

Charles W. Tyson, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 14, 1942, Serial No. 454,753

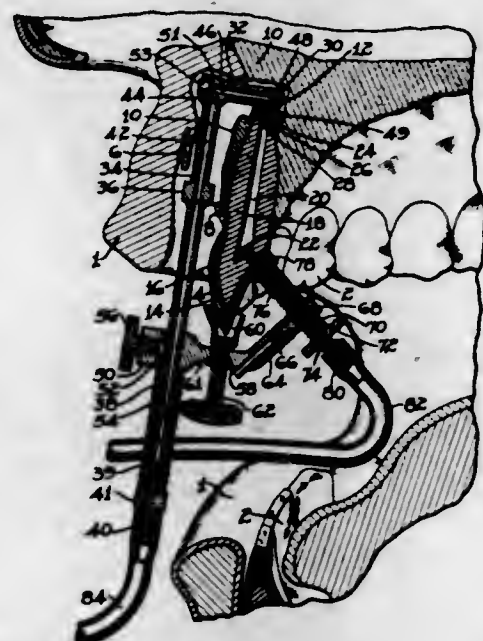
7 Claims. (Cl. 196-49)



1. A process for the conversion of hydrocarbon oils which comprises passing a relatively heavy oil boiling above the end point of naphtha through a cracking zone maintained at active cracking temperature above about 700° F., contacting said oil within said cracking zone with a finely divided catalytic material, keeping said oil in contact with said catalytic material for a period sufficient to obtain the desired cracking thereof, thereafter separating the cracked products from the catalytic material, fractionating the cracked products to segregate a naphtha fraction therefrom, passing said naphtha fraction through a refining zone maintained at a temperature above about 500° F., contacting said naphtha fraction while in vapor form within said last-named refining zone with an active refining catalyst, keeping said naphtha vapors in contact with said refining catalyst for a period sufficient to obtain the desired refining treatment thereof, thereafter separating the bulk of said finely divided refining catalyst from the refined vapors, and thereafter passing the refined

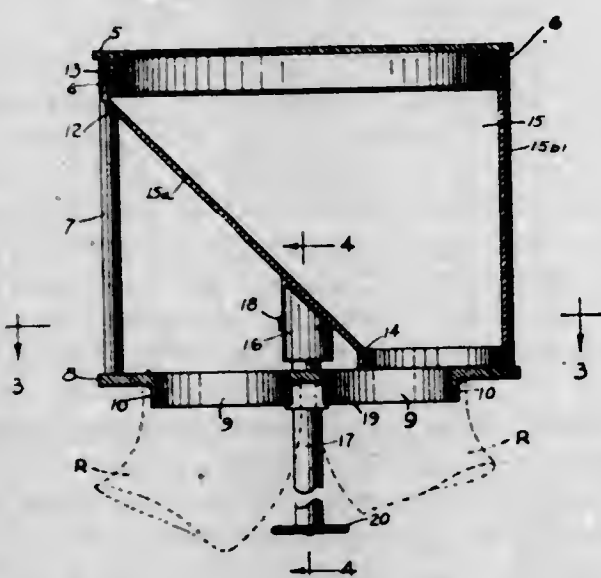
vapors containing entrained refining catalyst while at substantially said refining temperature in contact with fresh oil which is subjected to said first-named cracking treatment.

2,436,623
METHOD AND APPARATUS FOR ROOT CANAL TREATMENT
 Wilbur N. Van Zile, Corona, Calif.
 Application September 14, 1946, Serial No. 697,033
 20 Claims. (Cl. 32-1)



1. A method of root canal therapy comprising: enlarging a hole in the root apex of a tooth, said hole entering the root canal; drilling a hole in the crown portion of said tooth, said hole entering the said root canal; providing conduits leading into said root canal through said holes; sealing said conduits at said holes to provide a closed system about said root canal; and aspirating washing, germicidal, and bleaching agents through said canal.

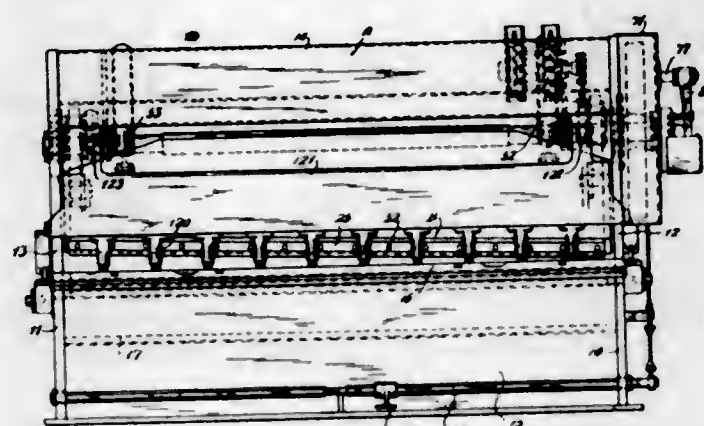
2,436,624
MULTIPLE GRAIN DISCHARGE VALVE DEVICE
 Anthony Volk, Milwaukee, Wis., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware
 Application April 23, 1945, Serial No. 589,807
 4 Claims. (Cl. 193-23)



4. A distributing valve device for grain control, comprising a top plate having a depending circular flange on its lower side and provided with an intake opening disposed in eccentric relation to said circular flange, a base plate, posts connecting said base plate to said top plate, in spaced

relation to each other, said base plate having a plurality of discharge openings spaced from each other at equal distances from the center of said plate and disposed in eccentric relation to said center and to the circular flange of said top plate, said base plate having a coupling flange concentric with each of said discharge openings, a directive spout having an intake in its upper end enclosing the circular flange of the top plate and a discharge opening in its lower end disposed in eccentric relation to said intake and adapted to be moved into registration with any one of the discharge openings of the base plate, a bearing tube secured to the bottom of the funnel, a shaft having a bearing in the base plate and having its upper end coupled in the bearing tube, and a handle on the lower end of the shaft to turn the spout between the top and base plates, whereby the lower end of said spout will act as a valve to close flow to an opening and to establish flow to an adjacent opening of said base plate.

2,436,625
CLUTCH
 William G. Wehr, North Madison, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
 Original application April 21, 1944, Serial No. 532,078. Divided and this application December 29, 1945, Serial No. 638,245
 3 Claims. (Cl. 192-22)

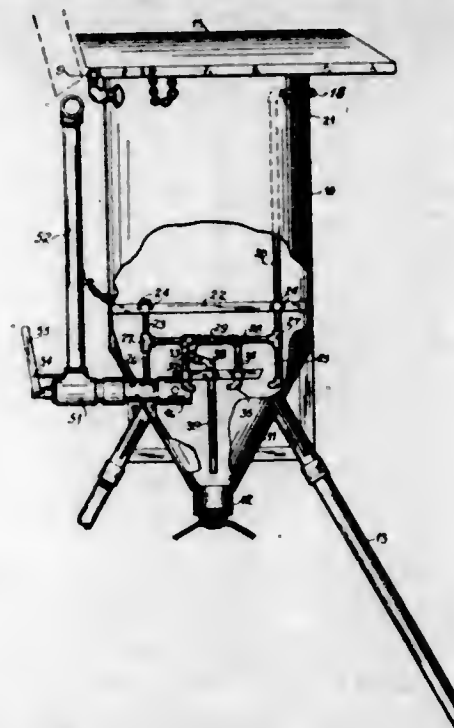


1. In a metal working machine, the combination with a crankshaft rotatably supported in a frame of: means including a clutch for rotating the crankshaft; a member slidably and rotatably supported in the frame and operatively connected to said clutch for moving said clutch into disengaged position; a cam operated in timed relation with the rotation of said crankshaft and having a high point for moving said member in a direction to disengage said clutch; means for rotating said member to move the same free of the high point of said cam; and yieldable means for continuously urging said member into a position where it will be acted upon by said cam.

2,436,626
SLURRY MIXER
 William S. Whittle, University Heights, Ohio, assignor to The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
 Application November 15, 1944, Serial No. 563,549
 3 Claims. (Cl. 259-147)

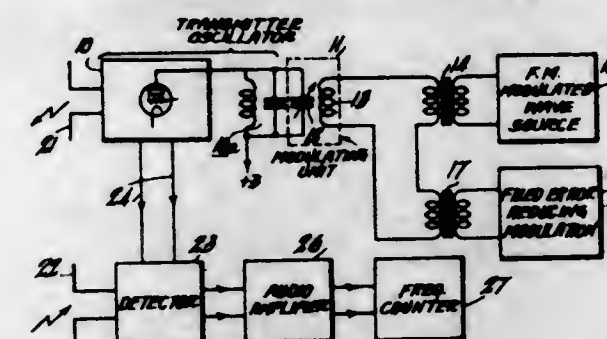
1. In apparatus for mixing slurry or like material, a tank adapted to hold liquid, means for feeding comminuted material gradually into said liquid, an imperforate pipe having a nozzle disposed to discharge into said tank below the liquid level, means for supplying air under pressure to

the pipe, and a constriction in the pipe between the said nozzle and the source of supply of said



compressed air, providing a low pressure chamber behind the nozzle.

2,436,627
DUALLY FREQUENCY MODULATED ALTIMETER
 Daniel Biltz, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
 Application June 24, 1944, Serial No. 541,935
 5 Claims. (Cl. 250-1.68)

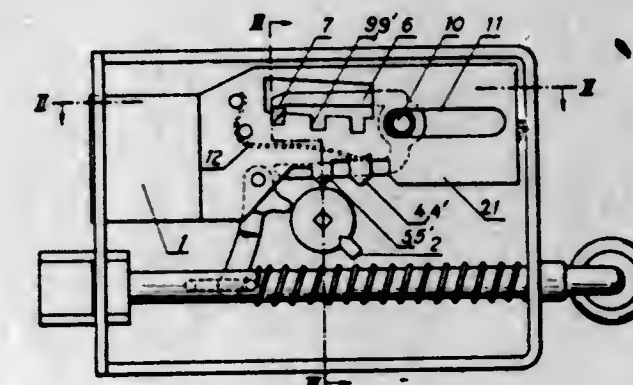


1. A distance measuring system comprising a radio transmitter, means for cyclically frequency modulating said transmitter at a certain rate to produce a frequency-modulated wave, means for simultaneously shifting the mid-frequency of the frequency-modulated wave at a periodic rate that is low compared with said cyclic rate, means for transmitting said frequency-modulated wave to a wave reflecting surface, means for receiving the reflected wave, means for mixing the received wave with a portion of the modulated wave transmitted directly from the transmitter to produce a beat frequency signal, a frequency-indicating means, and means for applying said beat frequency signal to said last means whereby a distance indication is obtained, said frequency-indicating means having a time constant or damping period that is longer than the period of said periodic mid-frequency shift.

2,436,628
SAFETY LOCK
 Ernest Bratschi, Geneva, Switzerland, assignor to L. B. Fabrication De Serrures De Surete S. A., Geneva, Switzerland, a Swiss firm
 Application June 11, 1945, Serial No. 598,826
 In Switzerland June 19, 1944
 1 Claim. (Cl. 70-355)

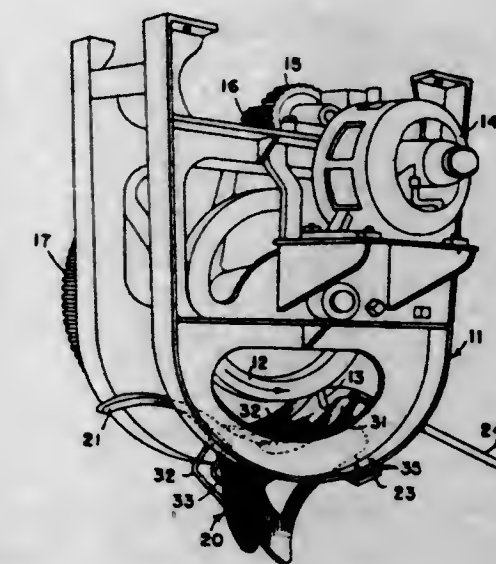
A safety lock comprising a slidable bolt having a shank formed with two parallel jaws, the lower edge of each jaw being formed with teeth

adapted to be engaged by a key and the upper edge of each jaw being provided with a plurality of notches, a U-shaped bolt locking member pivotally mounted between said jaws so as to enable its lower arm to be disposed in the path of movement of the key, the upper arm of said locking



member having its free end formed with two abutments disposed one on each side thereof for spring-urged engagement with a pair of notches of the bolt jaws, said abutments having their abutting faces directed in opposite directions to respectively engage the fore wall of a notch and the rear wall of the other notch of the pair.

2,436,629
HOG JAW PULLER
 John A. Carlsen, Omaha, Nebr.; dedicated to the free use of the People in the territory of the United States
 Application February 15, 1946, Serial No. 647,988
 1 Claim. (Cl. 17-1)
 (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

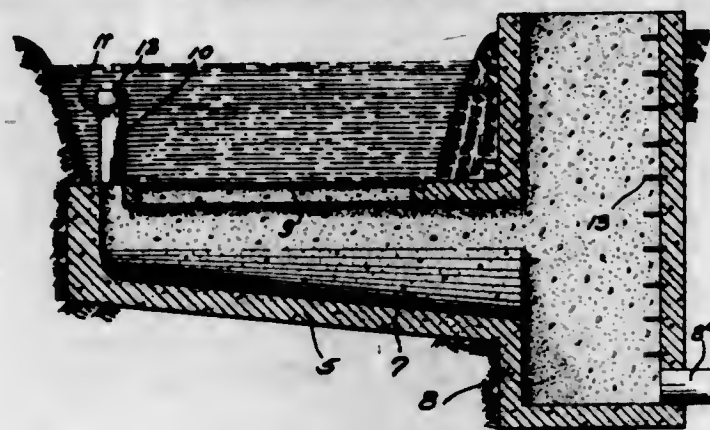


A hog jaw puller having a frame, a revolving wheel mounted on the frame and provided with radially extending pins on its periphery, means for driving the wheel, and a horn mounted on the frame adjacent the periphery of the wheel, said horn having an extended portion on which the head of a slaughtered hog may be fed through the mouth in position for one of the moving pins to engage in the notch of the lower jaw and extract the jaw from the skull, an intermediate portion having a channel through which the lower incisors ride free of contact with parts of the horn with the lower gums engaging the edges of the channel and extensions fixedly mounted on the intermediate portion in position to be engaged by the cheek bones with a space between the extensions in which the protruding end of the upper jaw extends with the upper teeth prevented from engaging parts of the horn.

2,436,630

SEDIMENT TRAP FOR STREAMS

Andrew J. Clegg, Santa Rosa, Calif.

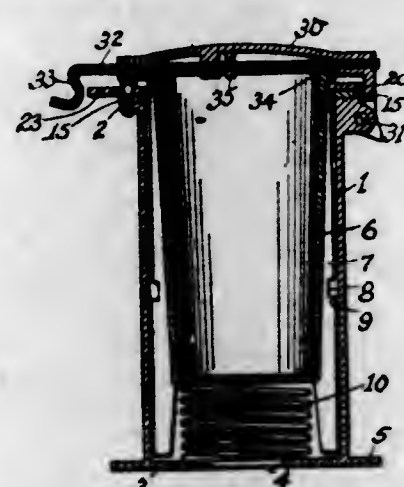
Application January 24, 1946, Serial No. 643,176
2 Claims. (Cl. 61-2)

1. A sediment trap for flowing bodies of water and comprising an elongated trough-like trap member positioned in the water below its surface, and having a bottom sloping longitudinally of said member, a cover for the trap member having openings therein to admit material traveling with the water and sloping transversely of said member, a sediment collecting chamber at the lower end of the trap member, and a flush pipe extending upwardly from the trap member at its other end adapted to admit water into the trap member for flushing loose material therein into the collecting chamber.

2,436,631

COMBINED GRAVE MARKER AND FLOWER HOLDER

Benjamin D. Cohn, Pennside, Pa.

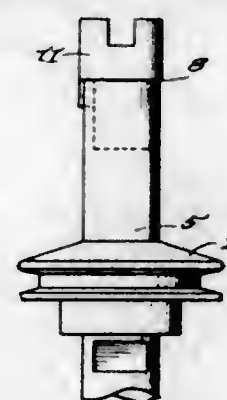
Application July 9, 1946, Serial No. 682,433
3 Claims. (Cl. 47-41)

1. A combined grave marker and flower holder, comprising an open top casing adapted to be sunk into the ground, a grave marker lid hinged to the open top of said casing, and a container vessel within said casing vertically movable therein from lowered position under the closed lid to extending position therefrom when the lid is raised, a plurality of projecting guide-ribs extending lengthwise in spaced relation around the outer periphery of said container vessel and having locking notches in the edges thereof intermediate their length, an inwardly extending fixed rim-flange encircling the open end of said casing and having guide slots in its inner periphery in alignment with the vertical guide-ribs on said container vessel, and a locking rim-flange adjustably secured to said fixed flange and having inner peripheral guide slots movable into alignment with the peripheral slots of said fixed rim to permit projecting extension movement of said container vessel and out of alignment with the latter and into engagement with the locking notches in said guide ribs to hold said container vessel in locked extended position.

2,436,632

REPLACEABLE PORCELAIN TWISTER HEAD

Laurence Hart Crane, Camden, Maine

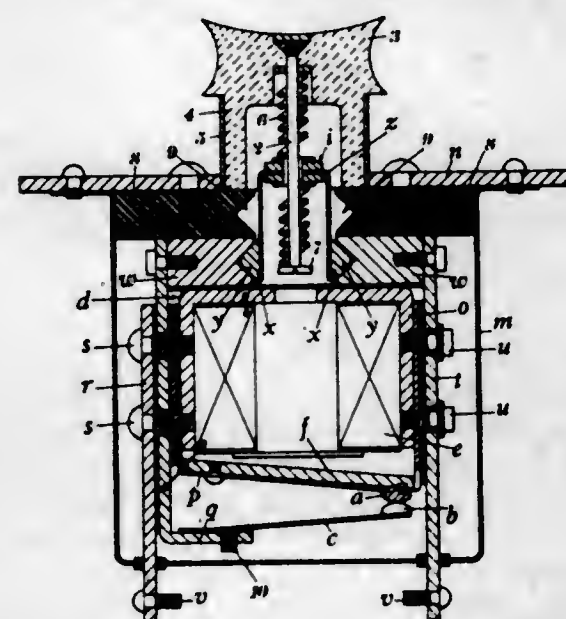
Application January 11, 1946, Serial No. 640,451
2 Claims. (Cl. 57-128)

1. In a replaceable porcelain yarn twister head adapted to be inserted into the end of a hollow yarn twister, the features including a wide cylindrical head having a transverse open slot in the end thereof and a cylindrical shank of lesser diameter than that of the head which is integral therewith and presenting a shoulder beneath said head adapted to rest directly upon the end of said yarn twister.

2,436,633

THERMOSTATIC SWITCH FOR CONTROLLING ELECTRIC CIRCUITS

Thomas Curzon, Acton, London, England, assignor to C. A. V. Limited, London, England

Application November 13, 1944, Serial No. 563,239
In Great Britain October 1, 1943
4 Claims. (Cl. 200-88)

1. A thermostatic switch of the kind specified, having in combination a pair of normally closed and independently movable contacts, a heat responsive device, and an electromagnet having its winding permanently connected across said contacts, one of said contacts being movable by said heat responsive device to cause separation of said contacts and the other contact being arranged to be attracted and actuated by said electromagnet, so that in the event of separation of said contacts by said heat responsive device said contacts are held apart by said electromagnet.

2,436,634

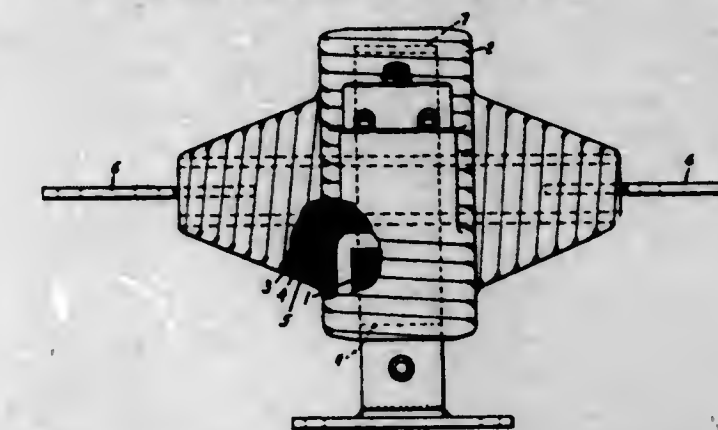
CLOGGED DRAIN FLUSHING DEVICE

Charles Davis, Los Angeles, Calif.

Application April 30, 1946, Serial No. 666,056
3 Claims. (Cl. 4-256)

1. A device for flushing drains and the like including a generally horizontally disposed lever having a pair of angularly directed engaging arms swivelly mounted at one end thereof sub-

2,436,636

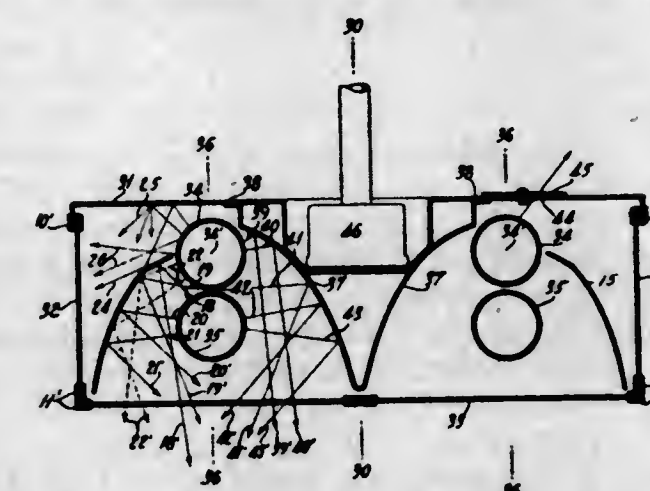
INSTRUMENT CURRENT TRANSFORMER
Franklin R. D'Entremont, Lynn, Mass., assignor to General Electric Company, a corporation of New YorkApplication July 14, 1944, Serial No. 544,985
6 Claims. (Cl. 175-358)

1. An electromagnetic induction apparatus including a toroidally shaped core formed of a flat-wise curved strip of magnetic material, core clamp means including a metallic member embracing the outer periphery of said core, a winding around said core and clamp, insulating means between said core clamp and said winding for positioning said clamp on said core and for insulating said clamp and core from said winding, and means integral with said core clamp for providing a supporting base for said apparatus.

2,436,635

LUMINAIRE

Arthur De Bishop, Jr., Southington, Conn., assignor to The Doane Products Corporation, Meriden, Conn., a corporation of Connecticut

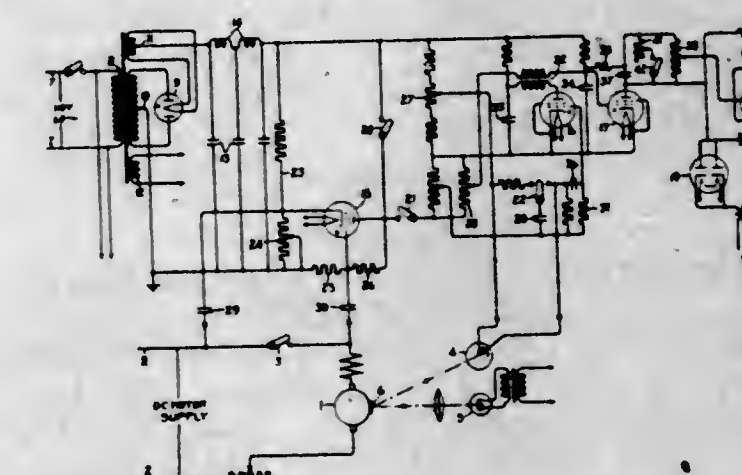
Application February 24, 1944, Serial No. 523,621
11 Claims. (Cl. 240-51.11)

1. In a luminaire, means for controlling the light output of two parallel fluorescent lamps close together by reflection, comprising two rectilinear reflectors on opposite sides of the median plane through the lamps, the reflectors being concave towards the lamps and having profiles approximating parabolic arcs whose foci are in the median plane at or above the lower lamp center, the lower portions of the reflectors reflecting light emitted laterally from the lower lamp across the median plane to spread the reflected light widely therefrom, the upper portion reflecting upwardly emitted light from the lower lamp substantially vertically downward for concentrating light below the luminaire, the light from the upper lamp being reflected downwardly at angles substantially move vertical than the widely spread reflected light from the lower lamp, one of the reflectors terminating at substantially the level of the center of the upper lamp and close to its surface the other reflector having greater radii of curvature and extending above the plane through the upper lamp center and close to the surface of the upper lamp.

2,436,637

ELECTRONIC COUNTER DEVICE

Emerson G. Downie, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

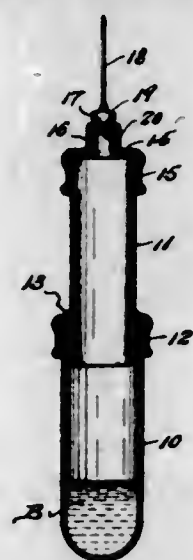
Application February 1, 1945, Serial No. 575,688
3 Claims. (Cl. 235-92)

1. An electronic impulse counter comprising a direct current source of supply, first and second capacitances, an electronic switch for connecting said capacitances in charging relation with said direct current source for substantially instantaneous charging, an impulse source, a normally nonconducting electron discharge device rendered conducting in response to said impulses for discharging the first capacitance, a normally nonconducting electron discharge device rendered conducting in response to the discharge surge of the first-mentioned capacitance for discharging the second-mentioned capacitance, a third capacitance larger than the second into which the second capacitance is discharged, a leakage discharge circuit for the third capacitance of sufficiently high impedance that a charge may be built up on the third capacitance which is proportional to the number of impulses received over a short period of time, an electronic voltmeter for measuring the charge on the third capacitance in terms of impulse count, and count start initiating means for effecting the closing of said electronic switch.

2,436,638

BLOOD SPECIMEN CONTAINER AND COOPERATING WITHDRAWING MEANS

Aaron Dolmatch, Newark, N. J.
Application February 3, 1945, Serial No. 576,069
4 Claims. (Cl. 128—220)

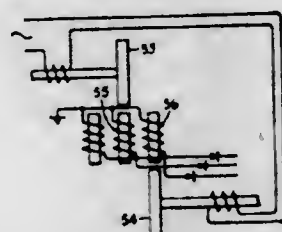


1. A suction syringe attachment for containers of test tube-like form comprising an endwise open tubular member of smaller external diameter than the internal diameter of a container which it is to serve, whereby to loosely fit into the latter in telescopic relation thereto, a soft rubber sleeve through which said tubular member slidably extends, said sleeve comprising a skirt portion having an integral inwardly projecting annular flange portion at its upper end to constrictively embrace said tubular member in air-tight sealing but nevertheless slidable relation thereto, while at the same time offsetting said skirt portion in outwardly spaced concentric relation to said tubular member, said skirt portion being adapted to be detachably engaged over the open end of a container so as to constrictively embrace the same in stationary air-tight sealing relation thereto, and means for attaching a hypodermic needle in operative communicating relation to the outer end of said tubular member.

2,436,639

ALTERNATING CURRENT TELEMETERING TRANSMITTER

Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application September 22, 1945, Serial No. 617,992
2 Claims. (Cl. 177—351)

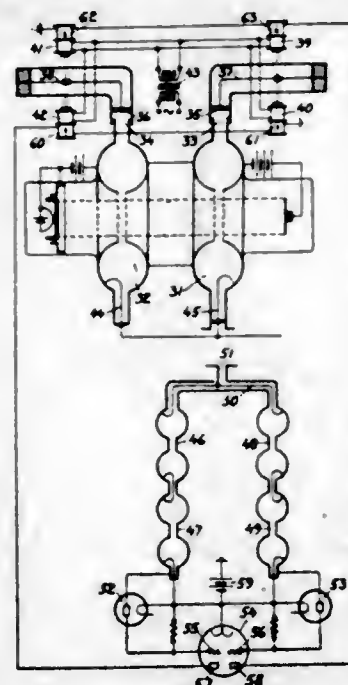


1. In a telemetering system an alternating current transmitter comprising a transformer device having a plurality of secondary windings and two primary windings, means for energizing the primary windings in series, a movable magnetic core for progressively coupling one of said primary windings with the secondary windings, and a second magnetic core moveable independently of the first-mentioned core for progressively coupling the other primary winding with the secondary windings, connections for coupling said secondary windings to a receiver through one-way rectifiers such that currents may flow in said secondary windings in only one direction, the two primary windings being connected so as to induce inphase voltages in the secondary windings.

2,436,640

DEVICE FOR THE FREQUENCY MODULATION OF THE RESONANT FREQUENCY OF CAVITY RESONATORS

Johan Olof Helge Fredholm, Alsten, and Per Harry Elias Claesson, Jakobsberg, Sweden, assignors to Nils Georg Schonander, Stockholm, Sweden
Application November 24, 1943, Serial No. 511,522
In Sweden May 7, 1942
2 Claims. (Cl. 250—17)



1. A device for modulating the resonant frequency of an ultra short wave generator, a cavity resonator associated with said generator and comprising an auxiliary chamber in communication with said cavity, a member displaceable in said auxiliary chamber to vary the active volume thereof, and means for rhythmically displacing said member in said chamber to increase and decrease said active volume and thus the basic mean frequency of the cavity resonator in step with the frequency modulation impressed upon the same, part of said auxiliary chamber being formed as a plunger casing and said displaceable member is a plunger reciprocable in said casing, said means for displacing said member including a spring in said chamber bent at right angles to form two legs, the end of one of said legs being mounted in a wall of said chamber and the end of the other leg supporting said plunger, and electromagnetic means outside said chamber for cooperation with said first mentioned leg of said bent spring.

2,436,641

PREPARATION OF AN ALKYD TYPE RESIN

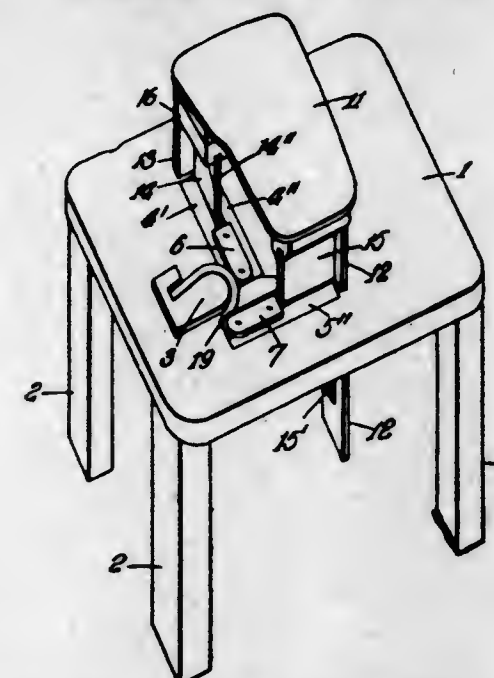
Howard L. Gerhart, Milwaukee, Wis., and Leon M. Adams, Corpus Christi, Tex., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Original application December 24, 1942, Serial No. 470,028. Divided and this application January 13, 1944, Serial No. 518,108
7 Claims. (Cl. 260—22)

1. In a process of preparing an alkyd type resin which comprises heating in a closed system a mixture of dicyclopentadiene, maleic anhydride and a substance of a class consisting of mono-glycerides of acids of a glyceride drying oil, diglycerides of said acids and mixtures of said acids and glycerol initially to a temperature of 180 to 200° C. to convert the dicyclopentadiene and maleic anhydride into cis-3,6 endomethylene, delta 4 tetrahydrophthalic anhydride, then further heating the composition to a temperature to about 210° C. until the alkyd resin is formed.

2,436,642

RECIPROCATING BENDER FOR MAKING SUCCESSIVE BENDS IN METAL TUBES OR RODS

George Greenwood, Leeds, England, assignor to Blackburn Aircraft Limited, Brough, England
Application December 27, 1943, Serial No. 515,765
In Great Britain January 4, 1943
4 Claims. (Cl. 153—34)

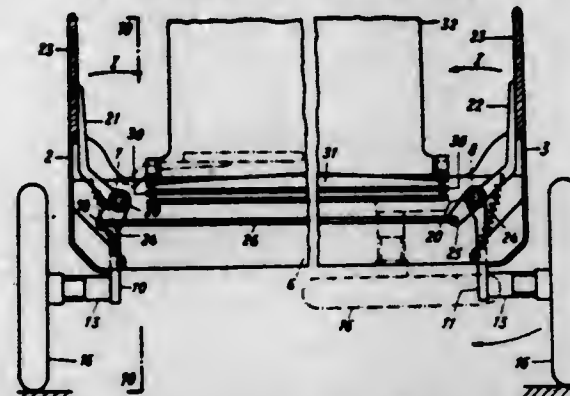


3. A tool for bending tubes and rods, including a platform supported above the bed of a press, a shape defining member mounted on the upper surface of said platform, at least one pair of angularly displaced slots in said platform extending away from said shape defining member, a thrust member slidably in each of said slots, transverse enlargements to each of said slots, a bridge member movable by the ram of the press towards said platform, guide members attached to said bridge member and each acting in the enlargement of one of said slots, and a cam member mounted fast with each guide member and engaging a thrust member to move it along its slot.

2,436,643

PERAMBULATOR

Ernst Hafner, Zurich, Switzerland
Application October 5, 1945, Serial No. 620,543
In Switzerland May 8, 1945
5 Claims. (Cl. 280—39)

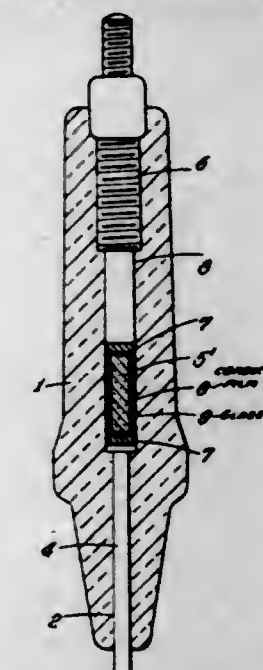


1. In a perambulator, the combination of a rectangular frame having a side wall and end walls, a seat fixed in said frame, a tiltable back hinged to said seat, a foot rest adjustably connected with said seat, a collapsible handle removably attached to said frame and adapted to be folded on said seat, two wheels on each side of the frame, two side boards tiltable mounted at opposite sides of the frame, a wheel support hinged to each side wall of the frame for pivotal movement about an axis parallel to said side wall, each wheel support carrying the two wheels on its side of the frame, and a mechanical connection between each side board and the wheel support on the opposite side of the frame so that adjustment of each side board to its collapsed or its operative position causes a corresponding adjustment of the wheel support on the opposite side of the frame and vice versa.

2,436,644

SPARKING PLUG

Philip Edward Halstead, Hammersmith, London, England, assignor to West Road Co. Limited
Application April 28, 1944, Serial No. 533,216
In Great Britain June 11, 1943
1 Claim. (Cl. 123—169)



A sparking plug of the kind specified comprising an insulator formed of ceramic material, an electrode housed within the insulator and having upper and lower portions, and a resistance element interposed between said upper and lower portions and in electrical communication therewith, said resistance element comprising a body portion of ceramic material having substantially the same coefficient of thermal expansion as the insulator, said body portion having a coating of conducting material to render the element semi-conductive, and a layer of glaze surrounding said conducting coating, said resistance element being fire bonded to the insulator through said glaze.

2,436,645

PRODUCTION OF PYRAN DERIVATIVES

Peter A. Hawkins, Widnes, and Nicholas Bennett, Ditton, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 7, 1944, Serial No. 562,403. In Great Britain November 19, 1943
11 Claims. (Cl. 260—333)

10. A process for the production of 2,3-dihydropyran-5-carboxylic acid which comprises dissolving an excess of gaseous phosgene in dihydropyran at a subatmospheric temperature at which the dihydropyran is liquid, maintaining the resulting solution at a temperature not exceeding atmospheric and thereby causing the phosgene to react with the dihydropyran, and subsequently warming the reaction product so as to cause hydrogen chloride to be evolved and treating the resulting reaction product with water.

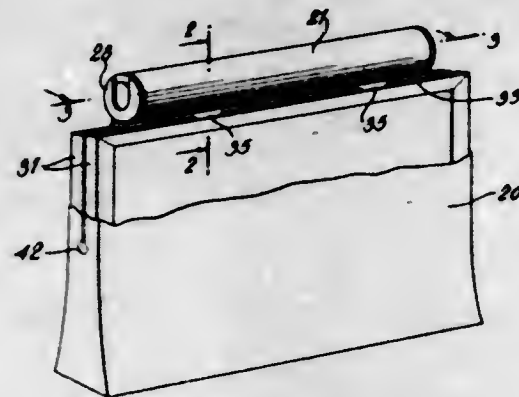
2,436,646

COMBINED BAG LATCH AND COIN HOLDER

Isabelle Henne, Brooklyn, N. Y.
Application December 29, 1944, Serial No. 570,340
4 Claims. (Cl. 150—35)

1. A handbag latch comprising a handle, said handle also forming one element of the latch-

mechanism, a chamber formed in said handle for housing a stack of coins, an exit for said chamber, a carrier for the stacked coins positioned within the chamber, means for moving said carrier to advance said coins axially in said chamber, a coin stop partially enclosing the chamber exit, said coin stop having an overhanging shoulder for engaging the marginal edge of the top-most coin in the stack, said shoulder being pro-

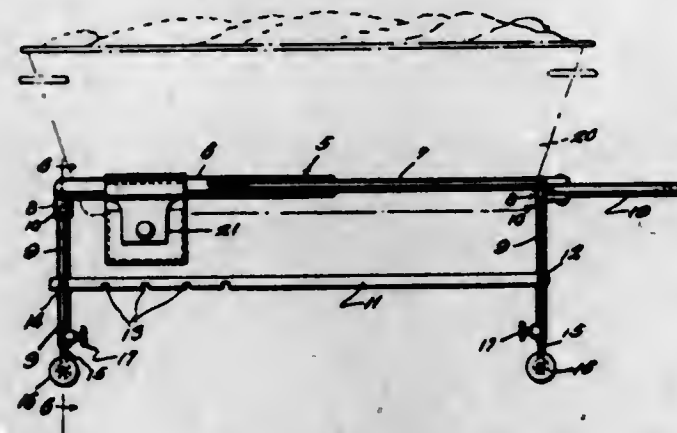


vided with a slot through which the fingertip may be inserted to release the coin and displace it laterally through said exit, said handle being adapted to be hingedly mounted upon a bag frame in co-operative registry with the complementary element of the latch-mechanism, said hinge including a spring pintle operable to retain both elements of the latch-mechanism in co-operative registry.

2,436,647

LAUNDRY CART

Virginia M. Huey, Cleveland, Ohio
Application March 14, 1946, Serial No. 654,414
3 Claims. (Cl. 280-34)



1. A folding cart comprising an open frame adapted to receive a basket therein for supporting the basket on the frame, said frame embodying extensible members, foldable legs attached to the frame for folding thereagainst, and braces detachably connecting pairs of the legs to each other against folding movement and securing the members of the frame in an adjustably extended position.

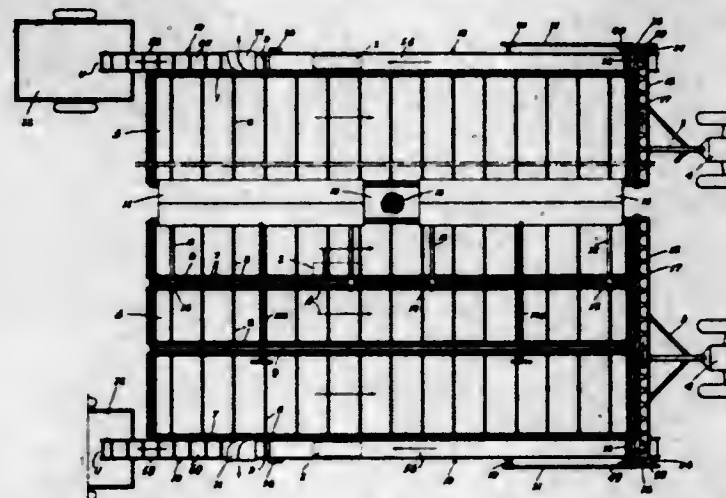
2,436,648

CATCHER FOR FRUIT AND NUT GATHERERS

Walter L. Isom, Crows Landing, Calif.
Application January 26, 1946, Serial No. 643,639
3 Claims. (Cl. 56-329)

1. A catcher for nuts comprising a substantially horizontal wheel supported frame, a plurality of longitudinally disposed endless drapers supported on the frame and being movable in one direction to a point of discharge, an auger conveyor supported on the frame at one end of and transversely of the drapers and into which conveyor the drapers discharge, an elevator conveyor mounted on the frame along side of the drapers and being movable to a point of dis-

charge, and onto which elevator conveyor the auger conveyor discharges, and means carried on

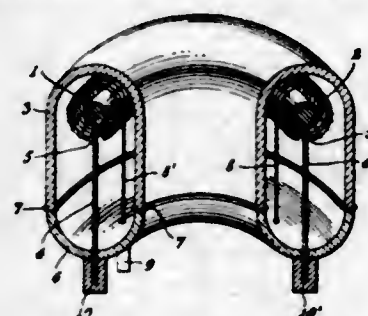


the frame and operably connected with said drapers and conveyors to drive the same.

2,436,649

ELECTRON TUBE OF THE TOROIDAL TYPE

Irwin M. Kane, Brooklyn, N. Y., assignor of one-half to Charles H. Strange, White Plains, N. Y.
Application May 6, 1946, Serial No. 667,672
4 Claims. (Cl. 250-27.5)



3. An electronic tube comprising an envelope shaped in the form of a doughnut or torus, the lower portion of which consists of insulating material and the upper portion of conducting material which functions as an external anode sealed to the lower portion, and internal elements comprising a cathode and a grid annular shaped to conform to the envelope, the contents of the tube permitting transconductance between anode and cathode.

2,436,650

BOLT TIGHTENING APPARATUS

Miles I. Killmer, New York, N. Y., assignor to Mason & Hanger Co., Inc., New York, N. Y., a corporation of West Virginia
Application August 27, 1946, Serial No. 693,232
3 Claims. (Cl. 81-57)

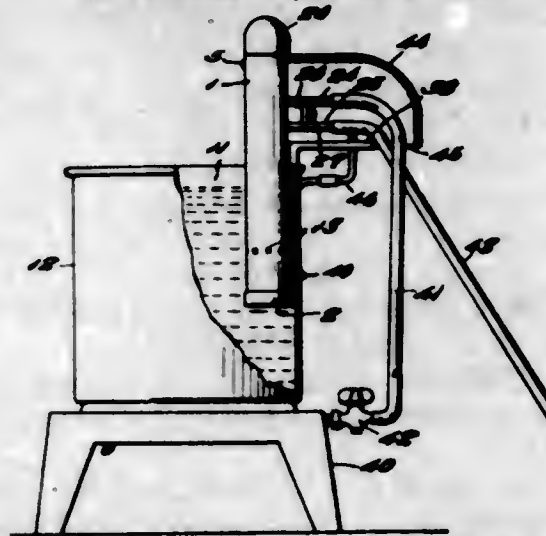


1. A bolt tightening apparatus consisting of an elongated forwardly projected casing and a rearwardly projecting casing, an intermediate sleeve-like member connecting the casings, a carrier having a loosely embracing surface for the sleeve to permit rotation of the latter, a pivotal support for the carrier, a shaft carried by the end of the forwardly projecting casing, at least one sprocket on said shaft, an aperture being formed in said forwardly projecting casing, said aperture being in registration with an end of the shaft for access thereto, a shaft carried by the rearwardly projecting casing, at least one sprocket carried by said shaft, a chain leading therefrom to the first named sprocket and extending through the forwardly projected casing, and a power drive for said last named shaft.

2,436,651

REGULATOR FOR GAS-BURNING HEATERS FOR LIQUIDS

Gilbert H. Krisor, Evanston, Ill., assignor of one-half to David A. Kuhlman, Chicago, Ill.
Application January 22, 1946, Serial No. 642,696
4 Claims. (Cl. 236-32)

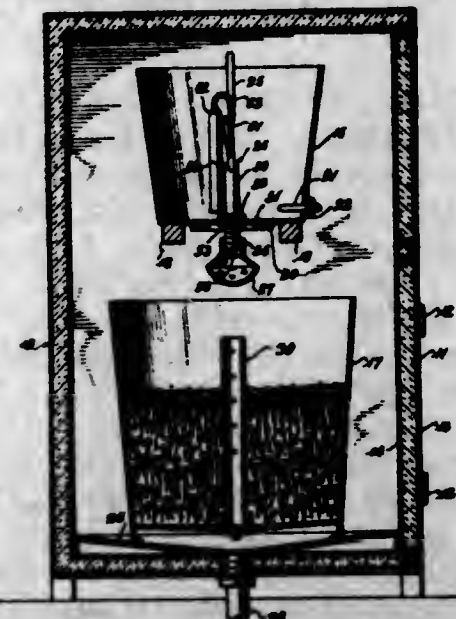


1. A regulator for gas burning heaters for liquids, comprising, in combination, an elongated, vertically disposed casing closed at the ends thereof, a thermostat in the lower end of said casing, said lower end being adapted for immersion into said liquid and having a plurality of liquid circulating openings formed therein, a plurality of divergent arms connected to the upper end of said thermostat, a pressure plate at the upper extremities of said arms, a bearing plate in said casing medially the length thereof, a valve body slidable in said bearing plate, the upper end of said casing having an aperture formed centrally therein, a screw threaded shank secured to the upper end of said body and projecting through said aperture, a rotatable adjusting knob, an internally threaded portion on said knob, said internally threaded portion engaging the projecting end of said shank, a compression spring between said body and the upper end of said casing, a cylindrical chamber in said body, a gas inlet duct medially the length of said chamber, a gas outlet duct adjacent the upper end of said chamber and in communication with said heater, an adjustable by-pass connecting said ducts, a piston slidable in the lower end of said chamber, a stem connected to said piston and protruding through the lower end of said body, and resilient means for urging the lower end of said stem against said pressure plate.

2,436,652

METHOD FOR SPROUTING BEANS

Hsiang Kai Lee, Detroit, Mich.
Application February 2, 1945, Serial No. 575,903
2 Claims. (Cl. 47-1.2)



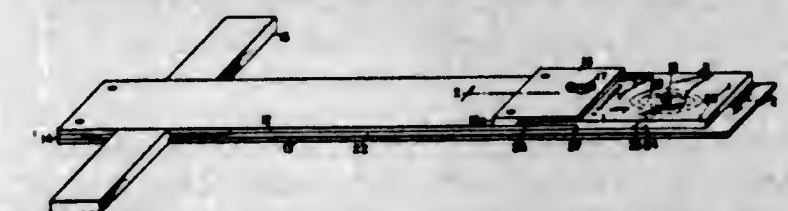
1. A method of promoting the growth of mung beans, soya beans and the like, which comprises

supporting a large mass of sprouting beans in a closed chamber from which light is excluded, admitting limited quantities of air to the chamber, supplying water at regulated temperature to the sprouting mass at spaced intervals and in regulated amounts, circulating humidified air through the chamber, maintaining a temperature within the chamber of from 80 to 100° F., and passing humidified air upwardly and outwardly through the center of the mass of sprouting beans.

2,436,653

DEVICE FOR DETERMINING SLOPE OF GRAIN IN WOOD VENEERS

John P. Limbach and Benson H. Paul, Madison, Wis., dedicated to the free use of the People in the territory of the United States
Application June 21, 1946, Serial No. 678,187
2 Claims. (Cl. 33-1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

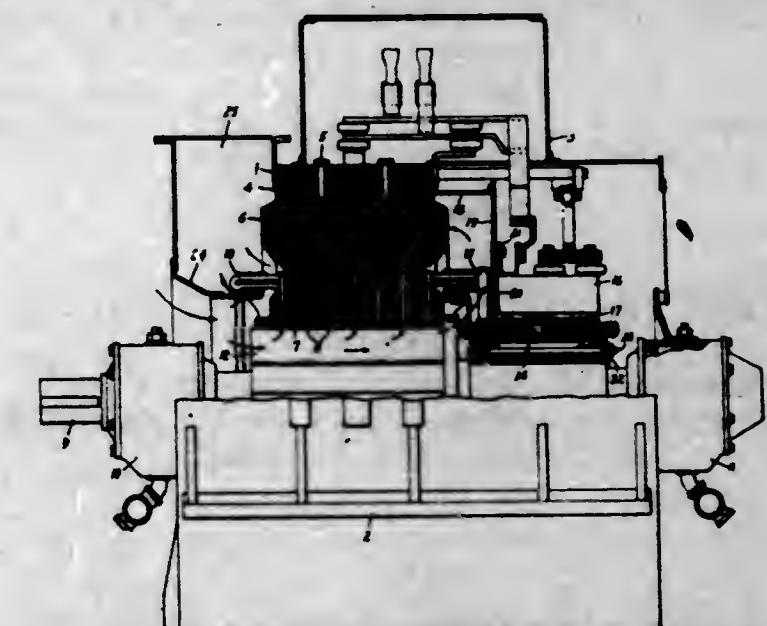


2. A method of determining the slopes of grains in wood veneers with respect to their deviation from the vertical comprising penetrating the veneer with a liquid under pressure, registering the points of entry and emergence of the liquid, and measuring the horizontal distance between the two points as a function of the slope.

2,436,654

DYNAMOELECTRIC MACHINE

Thomas M. Linville, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 30, 1944, Serial No. 570,657
11 Claims. (Cl. 171-252)



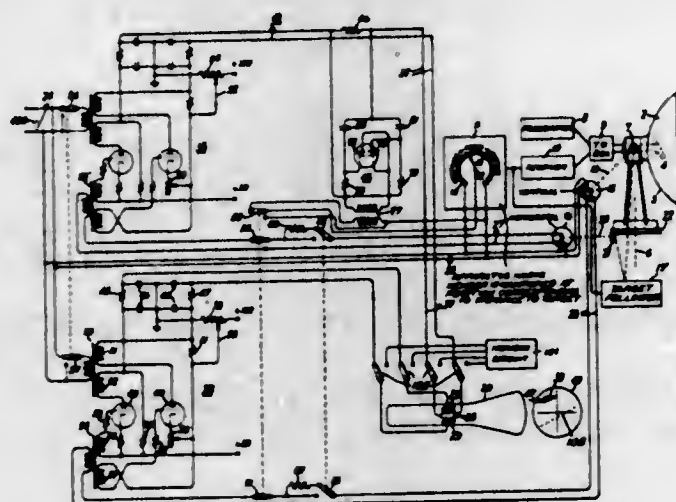
1. A dynamoelectric machine having a stationary member and a rotatable member provided with a winding and a commutator connected to said winding, means adjacent the outer periphery of the inner end of said commutator for substantially preventing the passage of ventilating medium flow from over said commutator into said stationary member and said rotatable member, a ventilating medium intake at the end of said machine opposite said commutator, and means including spaced risers on said commutator and outwardly extending ventilating passages in said rotatable member for circulating ventilating medium over the winding of said rotatable member, against said stationary member and thence out of said machine.

2,436,655

DIRECTIVE RADIANT ENERGY LOCATING AND INDICATING SYSTEM

Raymond C. Locke, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 16, 1942, Serial No. 465,662
14 Claims. (Cl. 343-7)

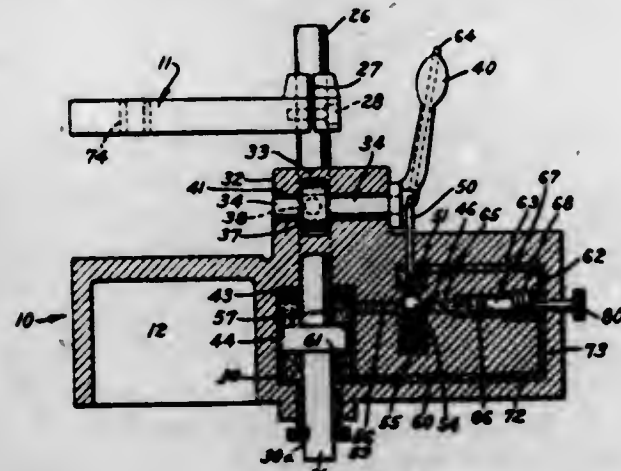


14. In combination, a radio echo apparatus arranged for orientation in different planes, a cathode ray device having a viewing screen, means to orient said apparatus in different planes and to deflect the ray of said device in different directions in accord therewith, thereby to produce a spot of light moving over said screen in accord with changes in orientation of said apparatus, a circuit, means to produce alternating electromotive force across said circuit varying in intensity with changes in the range from which echoes are received in said apparatus, a pair of unilateral conducting devices connected across said circuit in opposite sense, means to bias the anode of each of said devices negatively relative to its associated cathode by an amount increasing with decreases in said range but increasing more slowly than increases in said electromotive force, whereby pulses of current flow in said devices during respective half cycles of said alternating electromotive force increasing in intensity as said range increases, and means to deflect said ray in opposite directions in one plane in accord with said pulses in said unilateral conducting devices.

2,436,656

FLUID PRESSURE ENGAGED CLAMPING FIXTURE

Newman M. Marsilius, Trumbull, Conn.
Application December 6, 1944, Serial No. 566,924
4 Claims. (Cl. 144-290)



1. In a clamping fixture, a base, a post movable inwardly and outwardly with respect to said base, a clamping block on said post, a cylinder in said base, a piston on said post and oper-

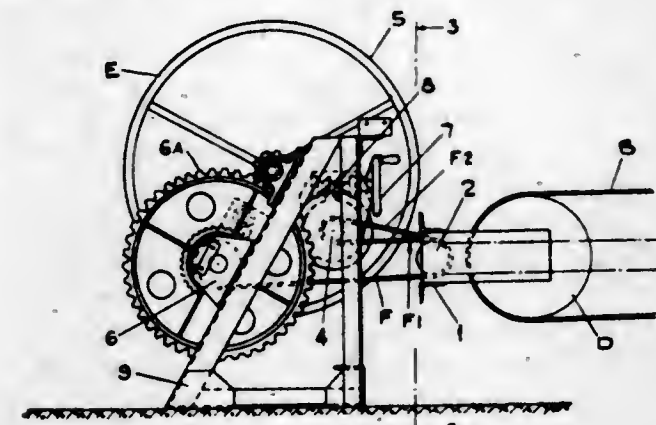
ating in said cylinder, a lever mechanically connected to said post and manually operable to move the same inwardly and outwardly with respect to said base, said base having passages therein providing for the movement of fluid between the inner and outer sides of said piston as the latter and post are moved, a valve controlling such movement of fluid in said passages, means operable from said lever for unseating said valve, and a separate manually operable booster means for increasing the pressure of the fluid at the outer side of said piston when the valve is seated.

2,436,657

EXTENSIBLE CONVEYOR OF THE ENDLESS BELT TYPE

Thomas McCulloch, Glasgow, Scotland, assignor to Mavor & Coulson, Limited, Glasgow, Scotland

Application April 17, 1946, Serial No. 662,846
In Great Britain February 12, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 12, 1964
4 Claims. (Cl. 198-139)



1. In a lengthwise extensible belt conveyor having a loop of adjustable size, a pulley holding said loop and journaled in a movable frame and a winch for controlling the longitudinal position of the frame in order to extend or contract the conveyor, means to maintain said pulley in proper transverse relationship with the conveyor comprising two pulley wheels at opposite sides of said frame, two conveyor-tensioning ties wound on said winch at opposite sides thereof and led therefrom round said pulley wheels respectively, a pair of compensating drums mounted in association with said winch, means for turning said drums independently of said winch, and stretches of said ties extending from said pulley wheels to said drums and being wound thereon oppositely so that when the drums are turned one tie is paid out and the other is wound in.

2,436,658

PROCESS FOR PRODUCING SULFAMIC ACID

Howard S. McQuaid, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 7, 1945,
Serial No. 587,219
4 Claims. (Cl. 23-166)

1. In a process for the manufacture of sulfamic acid from the reactants, liquid sulfur trioxide and the product obtained by bringing together urea and sulfuric acid in equimolecular quantities, the steps comprising mixing said reactants in sufficient liquid sulfur trioxide to provide a liquid reaction mixture throughout the mixing step while agitating and cooling to inhibit fuming or evolution of carbon dioxide and thereafter heating to bring about evolution of carbon dioxide.

2,436,659

PROCESS OF MAKING D-SACCHARIC ACID

Charles L. Mehlretter, Peoria, Ill., assignor to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Application March 26, 1946,
Serial No. 657,327
9 Claims. (Cl. 260-528)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for producing d-saccharic acid comprising gradually adding d-glucose to nitric acid, maintaining the temperature during the addition at 55° to 90° C., the ratio of nitric acid to glucose in the reaction mixture being about 3 to 8 moles of nitric acid per mole of glucose, the nitric acid concentration in the reaction mixture being about 50 to 70 percent, the process being carried out in the absence of metallic compound oxidation catalysts, and recovering d-saccharic acid from the reaction mixture.

2,436,660

OXIDATION OF HETEROCYCLIC AROMATIC NITROGEN COMPOUNDS

Max B. Mueller, Demarest, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 9, 1942,
Serial No. 461,446
21 Claims. (Cl. 260-295.5)

1. A process for the oxidation of an N-heteroaryl compound having an oxidizable organic grouping attached to the nitrogen-containing aromatic nucleus by one or more carbon-to-carbon linkages to a compound containing a pyridine carboxylic acid radical, which comprises oxidizing said compound with sulfuric acid in the presence of a dissolved selenium compound, and recovering a compound containing a pyridine carboxylic acid radical.

2,436,661

ELECTRICAL SOCKET

Bert K. Naster, Chicago, Ill.
Application April 1, 1946, Serial No. 658,609
2 Claims. (Cl. 173-328)



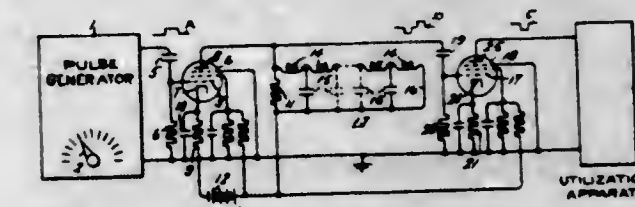
1. A socket for an electrical device having a plurality of pins extending therefrom, comprising, a body member of insulating material having a recess therein provided with inwardly extending lugs, a pair of spring contacts in the recess and having detents engaging the lugs, an insert member of insulating material between the spring contacts and having notches engaging the detents to hold the spring contacts in place in the recess, and a face member of insulating material secured to the body member and covering the recess and holding the spring contacts and insert member in assembled relation therein and provided with a slot extending to the edge of the face member and opening into the recess for receiving the pins of the electrical device and also provided with diametrically opposed quadrant openings adjacent the spring contacts and merging with the slot for receiving and guiding the pins into engagement with the spring contacts when rotated in one direction through substantially ninety degrees.

2,436,662

PULSE GENERATOR

Donald E. Norgaard, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application September 2, 1944, Serial No. 552,419
6 Claims. (Cl. 178-44)



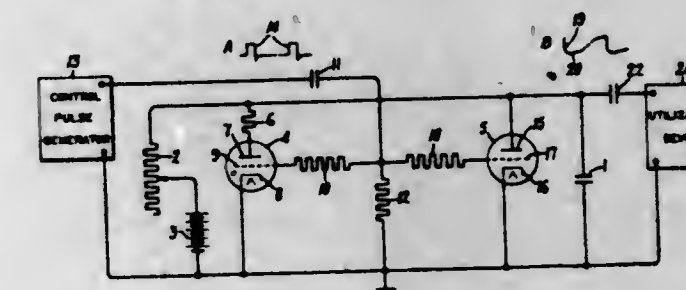
1. A generator for producing a pulse of predetermined duration at a preselected time comprising first and second electron discharge devices each having an anode and a cathode and a control electrode, means for producing an abruptly terminated wave of selectively variable duration greater than the duration of the desired pulse and for impressing said wave on the control electrode of said first device, an impedance element connected between the anode and cathode of said first device, and means including a transmission line connected to the control electrode of said second device and having its input terminals connected across said impedance element for producing a pulse of predetermined duration at the termination of said wave.

2,436,663

SAW-TOOTH WAVE GENERATOR

Donald E. Norgaard, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application November 15, 1944, Serial No. 563,465
4 Claims. (Cl. 250-27)

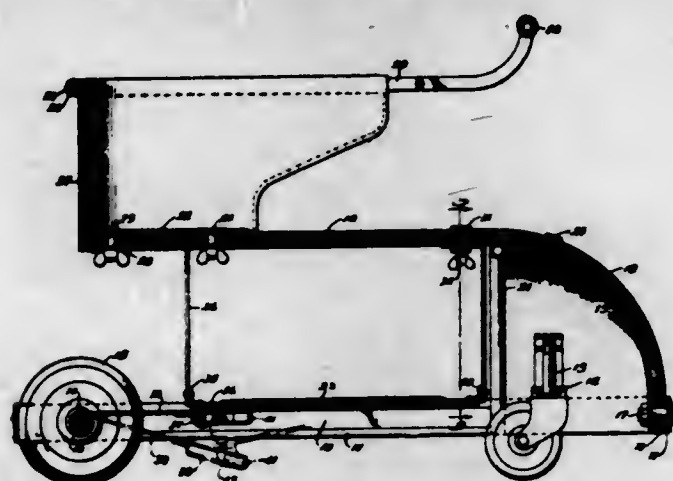


4. A generator for producing voltage variations of sawtooth form comprising a direct current source, a capacitor and a resistance connected in series across said source, two electron discharge devices each having a cathode and an anode and a control electrode, said devices being connected in parallel with each other and with said capacitor, said anodes being connected to the positive terminal of said source and said cathodes to the negative terminal thereof, means for impressing simultaneously on both of said control electrodes square pulses of predetermined duration equal to the desired interval between sawtooth waves whereby said devices are rendered conducting to discharge said capacitor, said capacitor being charged in the intervals between said pulses to produce a sawtooth wave, one of said devices being of the gaseous discharge type for facilitating the rapid discharge of said capacitor during the first portion of each of said square pulses and the other of said devices maintaining a predetermined minimum voltage across said capacitor for the remainder of the duration of each of said square pulses whereby the sawtooth wave beginning at the end of each square pulse starts at the same minimum voltage.

2,436,664

BABY TENDER AND THE LIKE

Curt E. Nyberg, Chicago, Ill., assignor to
James F. Barnes, trustee
Application June 11, 1945, Serial No. 598,779
7 Claims. (Cl. 155-18)

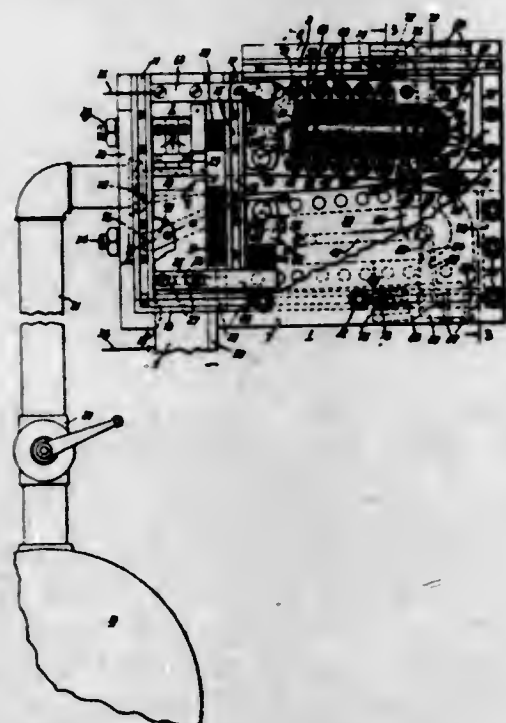


4. In a baby tender, a wheel-equipped perimetric frame, having a rear axle, a spring having one end fixed to the forward end of said frame, a seat carried by the free end of said spring, a foot rest frame fixed to and depending from said spring, a lost motion connection between said frame and said rear axle permitting swinging of said spring but limiting the extent thereof, and cushioning means carried by said lost motion connection.

2,436,665

ELECTRIC CIRCUIT INTERRUPTER

William E. Paul, Schenectady, N. Y., assignor to
General Electric Company, a corporation of
New York
Application December 27, 1944, Serial No. 569,943
17 Claims. (Cl. 200-148)



1. In a fluid blast circuit breaker, an arc extinguishing chamber, a pair of relatively movable contacts associated with said chamber, a source of fluid under pressure, means including a blast valve interconnecting said source and said chamber, and an auxiliary slide valve formed of insulating material and having a surface against which fluid supplied to said chamber when said blast valve is open exerts a force to cause said slide valve to press against one of said contacts, said slide valve being operable in response to movement of said one contact for preventing a blast of fluid from extinguishing said arc even though said blast valve is opened, until a predetermined movement of said one contact has occurred.

2,436,666

ELECTRICAL CALCULATOR

Sydney V. Perry, West Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 22, 1944, Serial No. 523,457
6 Claims. (Cl. 235-61)



6. An electrical calculating circuit comprising a power supply having two output terminals and a terminal intermediate said two terminals, said output terminals being at voltages E_2 and E_3 , respectively, with reference to said intermediate terminal, said voltages E_2 and E_3 representing constants K_2 and K_3 , respectively, of an equation, an ammeter having one terminal connected to said intermediate terminal of the power supply, said ammeter having its other terminal connected to the E_3 volt output terminal through a variable impedance unit having an impedance R_A representing a variable of said equation and connected to the E_2 volt output terminal through a fixed impedance unit having an impedance R_1 and two variable impedance units having impedances R_B and R_C , respectively, representing two variables of said equation, said last three units being in parallel with each other whereby the current I_M through said ammeter is given by the equation

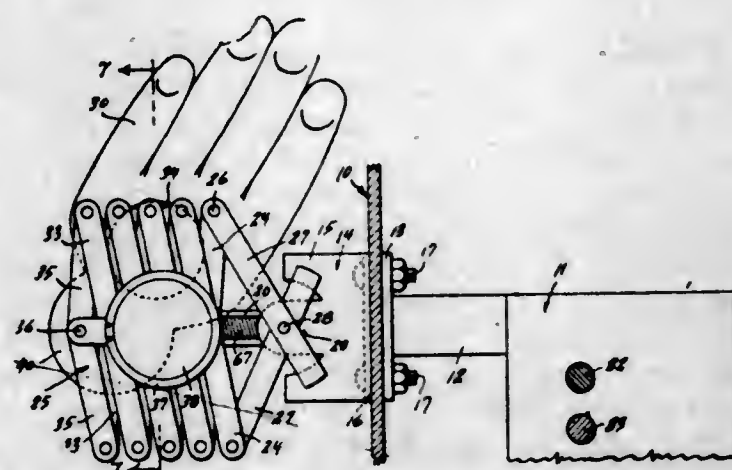
$$I_M = \frac{E_2}{R_1} + \frac{E_2}{R_B} + \frac{E_2}{R_C} - \frac{E_3}{R_A}$$

said three variable impedance units being rotatable as a unit for interchanging their positions in the circuit whereby three ammeter readings are obtained which are the solution to three simultaneous equations.

2,436,667

ELECTRIC VEHICLE TURN INDICATOR

Peter A. Peterson and Herman Siebert,
South St. Paul, Minn.
Application May 11, 1945, Serial No. 593,270
6 Claims. (Cl. 177-327)



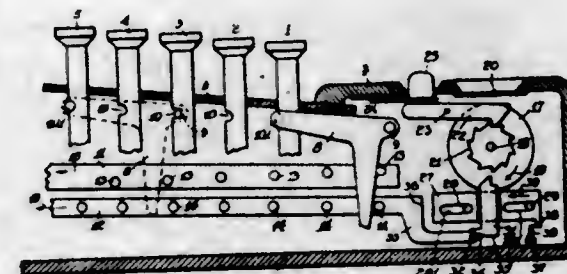
1. A signalling apparatus for vehicles comprising, a lazy-tongs, means mounting the same exteriorly on a part of a vehicle body, a control housing mounted interiorly of said vehicle body in opposed relation to said mounting means, a bar slidably supported by said control housing and mounting means and connected at its outer end to said lazy-tongs to extend the same upon

outward movement thereof, an indicator hand pivotally mounted on the free end of said lazy-tongs, illuminating means for said indicator hand mounted on said lazy-tongs adjacent said free end thereof, and power-operated means within said control housing connected to said bar for moving the same outwardly, said indicator hand being provided with an opening, means connecting said indicator hand to a link of said lazy-tongs, and operative upon extension of said lazy-tongs to swing said indicator hand from a normally upright inoperative position to a horizontal operative position when the lazy-tongs is fully extended whereby to bring said opening into registry with said illuminating means so as to be visible from each side of said indicator hand.

2,436,668

CONTROL REGISTER FOR CALCULATING MACHINES

Holger Orla Pødenphant, Copenhagen, Denmark
Application August 7, 1945, Serial No. 609,365
In Denmark August 8, 1944
4 Claims. (Cl. 235-91)

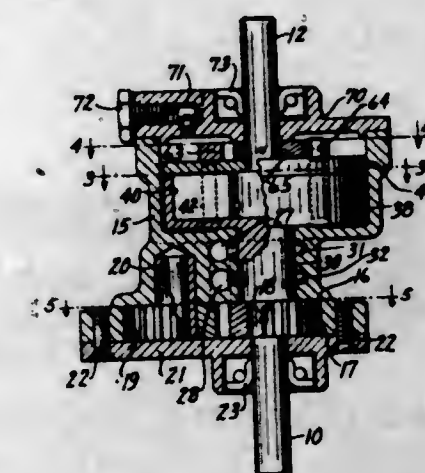


1. In calculating machines of the kind having a plurality of computing wheels, a row of nine keys for each computing wheel the combination with each row of keys of a digit wheel and means operative upon depressing a number of keys in different rows turning all the digit wheels appertaining to the selected rows one step upon every full depression of the respective keys.

2,436,669

DRIVE UNIT

Larence E. Rausenberger, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application November 13, 1943, Serial No. 510,123
13 Claims. (Cl. 64-25)



2. A control system for effecting a phase advance of a driven shaft with respect to a driving shaft in accordance with the speed of operation of said driving shaft including means for developing a fluid pressure varying in accordance with the speed of said driving shaft, a fluid coupling element for interconnecting said driving shaft and said driven shaft, and means for sup-

plying said fluid pressure to said fluid coupling to effect a change in the phase relation of said driven element with respect to said drive element proportional to said fluid pressure.

2,436,670

TRISODIUM PHOSPHATE DODECAHYDRATE AND PROCESS FOR MANUFACTURING SAME

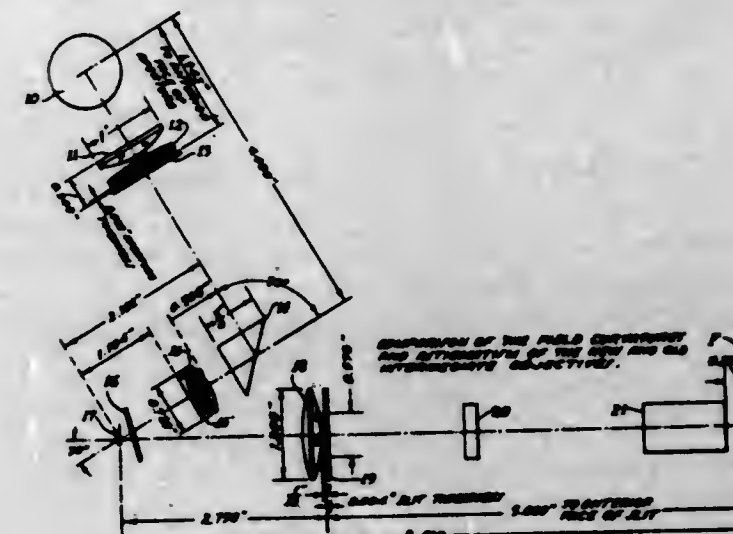
Cecil H. Russell, Trenton, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 24, 1944,
Serial No. 519,536
10 Claims. (Cl. 23-107)

1. The process of manufacturing crystalline trisodium phosphate of a predetermined bulk density and having a predetermined length to diameter ratio of the individual crystals, which comprises adjusting the titration ratio of the trisodium phosphate solution to a predetermined value within the range of from 1.05 to 1.30, then adding sodium silicate thereto, then crystallizing said phosphate from the solution by cooling, and thereupon separating the crystals from the mother liquor, said sodium silicate being added in an amount yielding from about 0.5% to about 2% by weight of silica in said mother liquor.

2,436,671

OPTICAL SYSTEM FOR SOUND RECORDING

Lawrence T. Sachtleben, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application December 14, 1943, Serial No. 514,225
11 Claims. (Cl. 88-24)



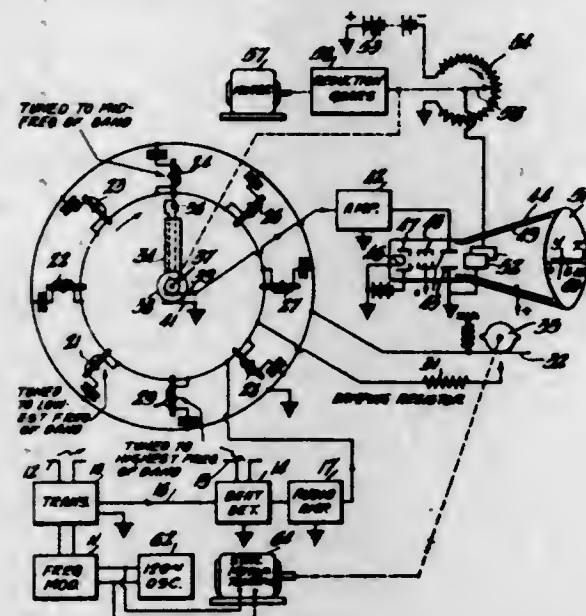
1. In a sound recording optical system having in sequence an exciter lamp, condenser lenses, an aperture plate, a reflecting prism, a galvanometer mirror intersecting the optical axes at an acute angle vibratable around a fixed axis and serving also as a lens diaphragm, a condenser lens, a slit plate closely adjacent said condenser lens, and an objective to image the slit on a photographic surface: an optical unit interposed between said reflecting prism and said mirror, said optical unit comprising a spaced achromatic pair of crown and flint lenses being so shaped and air-spaced from each other and spaced with respect to said mirror and slit plate that the principal ray of any one pencil forming an image at said slit plate of a point in the aperture of said aperture plate passes through a different part of said crown and flint lenses from that traversed by the principal ray of any other pencil from any other point in said aperture to substantially correct the image curvature and astigmatism arising in said optical unit itself and in said condenser lens located at said slit plate.

2,436,672 FREQUENCY MODULATED RADIO DISTANCE MEASURING SYSTEM AND INDICATOR

Royden C. Sanders, Jr., Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 26, 1943, Serial No. 496,247

7 Claims. (Cl. 343-14)



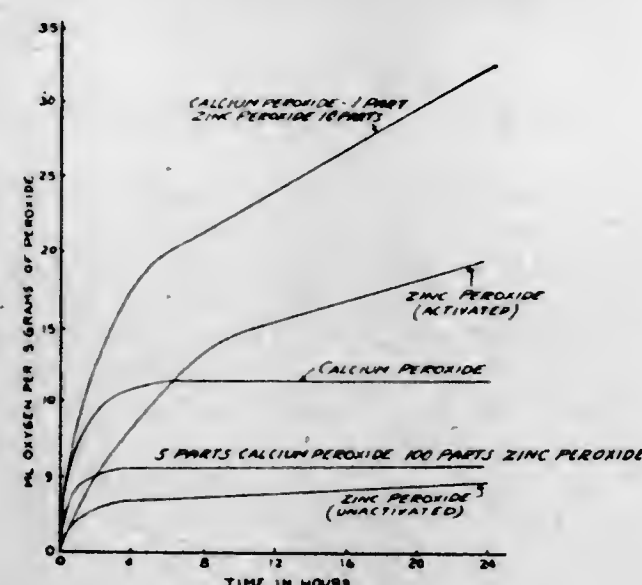
1. A radio locator system comprising means for cyclically frequency modulating a radio wave and for transmitting it to a reflecting object, a detector, means for applying to said detector both the reflected wave and the wave direct from the transmitter to produce a beat-frequency signal which may have a discontinuity at the end of each frequency-modulation sweep, a frequency indicator comprising a tuned element, and means for damping said tuned element at least once during each frequency-modulation cycle with the damping occurring simultaneously with a discontinuity in the beat-frequency signal.

2,436,673 THERAPEUTIC PEROXIDE COMPOSITION

Robert S. Shelton, Mariemont, Ohio, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware

Application May 11, 1944, Serial No. 535,209

5 Claims. (Cl. 167-72)



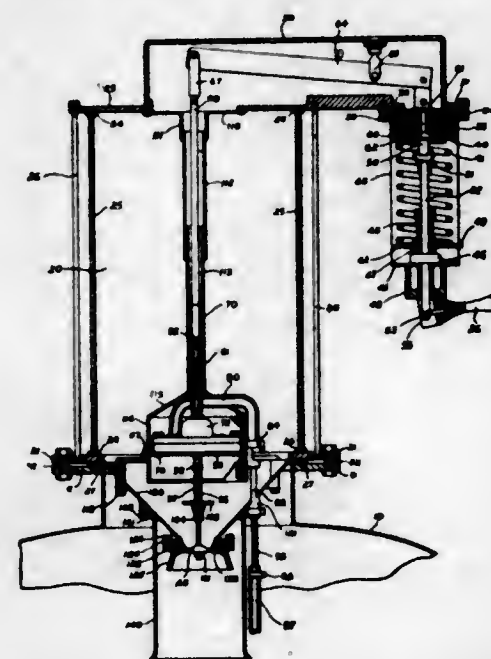
1. A therapeutic and prophylactic composition for use in contact with delicate living tissues and adapted, when in contact with an aqueous medium, to evolve free oxygen, said composition comprising 100 parts of zinc peroxide intimately mixed with between 5 and 15 parts of calcium peroxide, said composition being free from water and from insoluble diluents which would substantially obstruct interaction of said peroxides in the presence of water.

2,436,674 ACETYLENE GENERATOR

Carl F. Smith, West Alexandria, Ohio, assignor to The Sight Feed Generator Company, West Alexandria, Ohio, a corporation of Ohio

Application January 10, 1945, Serial No. 572,123

10 Claims. (Cl. 48-53)



10. In an acetylene generator, a hopper adapted to contain carbide, a feed valve for controlling the discharge of the carbide from said hopper, means responsive to the pressure of the generated gas, a feed rod connected to said responsive means and movable in accordance with the position thereof to regulate the operation of said feed valve, said feed rod extending downwardly into said hopper, a housing supported from said feed rod and movable therewith within said hopper, a flexible diaphragm in said housing supported substantially transverse with respect to said feed rod, means supporting said feed valve from said diaphragm in position to be movable therewith in an axial direction in accordance with regulating movements of said feed rod, means for supplying a pulsating fluid pressure to one side of said diaphragm to cause vibrating movement thereof and of said feed valve in addition to said regulating movement thereof, said feed rod being provided with a guiding surface, a guiding member fixed to the side of said diaphragm opposite that to which said feed valve is connected and having guiding engagement with said guiding surface providing for maintaining said feed valve in proper alignment throughout the range of its movements, and cover means for completely enclosing said feed rod and said housing providing for free movement thereof and preventing contact of the carbide in said hopper therewith.

2,436,675 CONTROL GRID ADJUSTING METHOD AND APPARATUS

Perry C. Smith, Moorestown, and Frank E. Runge, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware

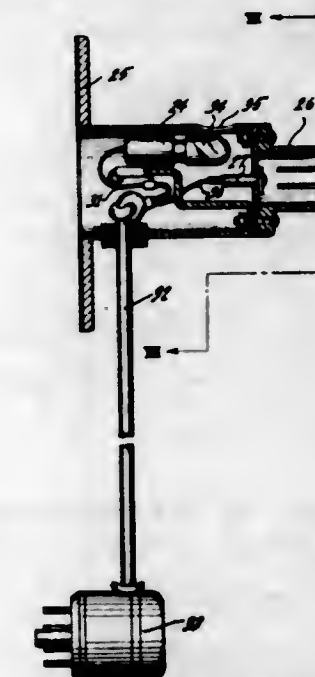
Application January 13, 1945, Serial No. 572,674

7 Claims. (Cl. 250-141)

1. In a cathode ray tube of the type having a grid provided with an aperture and a cathode having a filament aligned with said aperture, the method of adjusting said grid aperture with respect to said filament, which comprises mounting said grid on said cathode for movement towards said filament, inserting a depth gauge sensing element through said grid aperture to project a predetermined distance towards said filament, connecting said element and said fila-

ment as terminals respectively of an electrical circuit, varying the gap between said element

one of said target electrodes after each application of one of said pulses to said deflecting means,



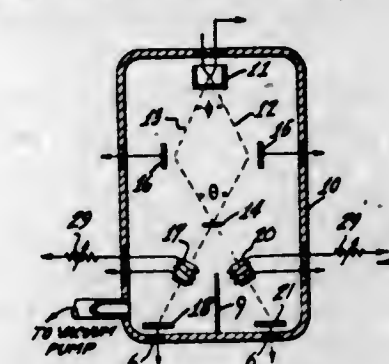
and filament until said element contacts said filament to close said circuit, and indicating the closing of said circuit.

2,436,676 APPARATUS FOR STEREOSCOPIC WORK

Perry C. Smith, Moorestown, and Frank E. Runge, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application January 27, 1945, Serial No. 574,864

6 Claims. (Cl. 250-49.5)



1. A system for producing stereoscopic images in a partial vacuum, comprising a receptacle forming an evacuated chamber, fluorescent screen means in said chamber, means including at least one electron beam for producing on said screen means two images respectively formed by different angular projections of said beam means upon a specimen, said images appearing simultaneously on said screen means in side by side spaced relation, and said receptacle having sight openings exposing said screen means to observation from the exterior of said receptacle.

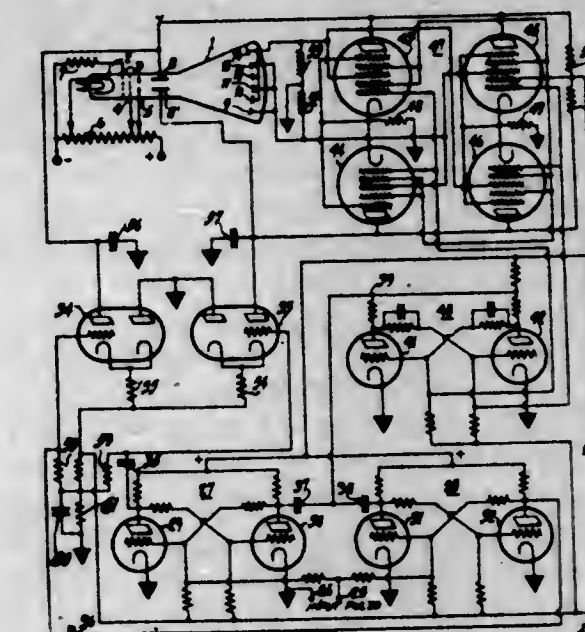
2,436,677 INCREMENTAL DEFLECTION OF CATHODE- RAY BEAM

Richard L. Snyder, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1942, Serial No. 470,784

7 Claims. (Cl. 315-21)

1. A cathode ray tube circuit for counting voltage pulses including a cathode ray tube having ray generating means, ray deflecting means, and a plurality of target electrodes, means connecting alternate target electrodes in separate parallel groups, means including a balanced amplifier for applying said pulses to said ray deflecting means to deflect said ray across said target electrodes, means including said target electrodes and said amplifier for accurately positioning said ray with respect to the next adjacent



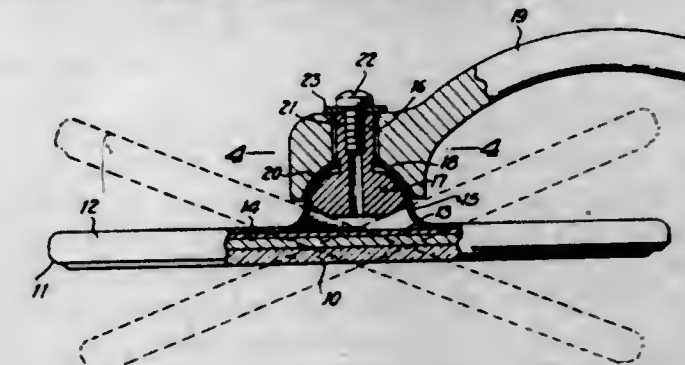
and means for controlling the direction of said deflection in accordance with the polarity of each of said pulses.

2,436,678 SWIVEL JOINT FOR REARVIEW MIRRORS AND THE LIKE

Elward B. Somers, New York, N. Y., assignor to The Roberk Company, Norwalk, Conn.

Application October 12, 1945, Serial No. 621,889

1 Claim. (Cl. 287-12)



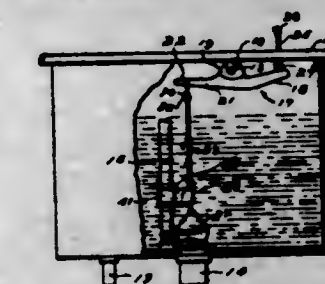
Means for securing a mirror casing to a supporting arm, said casing having a substantially spherical protuberance, said supporting arm having a bore through one end and a cavity in one end of said bore, a cup-shaped resilient member disposed between said arm and the outer wall of said protuberance, a headed member having a shank with the head seated in the protuberance and the shank passing through the bore of the arm, and means securing said shank to said arm.

2,436,679 FLUSH BOX MECHANISM

George H. Sprague, East Northport, N. Y., assignor of one-half to Lillian A. Moir, East Newport, N. Y.; Lillian Moir Sprague, executrix of said George H. Sprague, deceased, assignor to Lillian Moir Sprague, Commack, N. Y.

Application June 21, 1944, Serial No. 541,419

2 Claims. (Cl. 4-67)



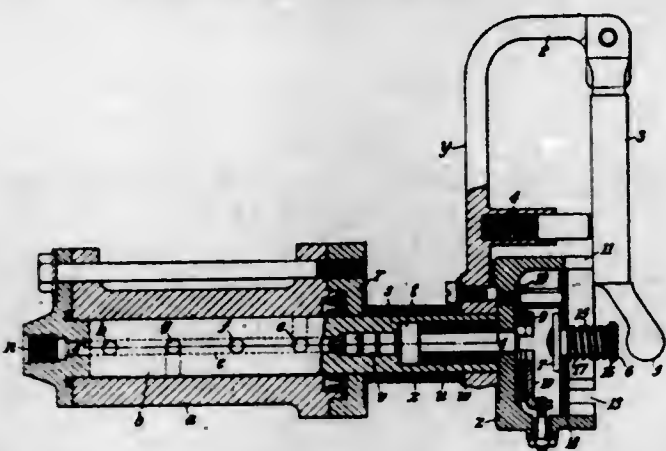
1. In a flush box having a tank, a discharge pipe therefrom, a flush valve controlling said discharge pipe and a guide means for the stem of said flush valve, in combination, a removable

cover for said tank and a flush valve operating mechanism supported by and removable with said cover, said mechanism comprising a lever pivoted intermediate its ends to the under surface of said cover, a detachable, swiveling connection between one end of said lever and said flush valve stem and an actuating push button extending through said cover and engaging the other end of said lever, said push button having an enlarged portion thereon preventing withdrawal of the same through said cover.

2,436,680

VALVE FOR CONTROLLING SUPPLY OF LIQUID UNDER PRESSURE

Nicholas Straussler, London, England
Application August 7, 1945, Serial No. 609,361
In Great Britain December 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 3, 1963
2 Claims. (Cl. 200—53)



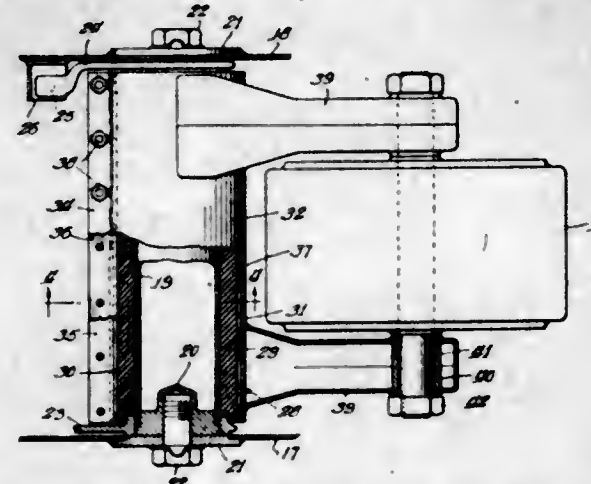
1. A switch and valve unit comprising a casing, a valve rotatable in the casing, a fluid pressure supply port, distribution ports and a relief port in the casing, ports in the valve for establishing by rotation of the valve, to predetermined positions, connection of any one of said distribution ports to the fluid pressure supply port, spring means for returning the valve to a position in which the distribution ports are connected to said relief port, means for manually rotating the valve against the action of said spring means and an electric switch operable to close a circuit when the valve is at any one of said predetermined positions for initiating supply of fluid under pressure, the said switch being operated by an arm depressible relatively to said manually operable means, and the arm having associated therewith a gate permitting the arm to be depressed against the action of a spring for actuating the switch when the valve has been rotated to any one of said predetermined positions.

2,436,681
VEHICLE

Carl E. Swenson, Rockford, Ill., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy
Application December 8, 1943, Serial No. 513,430
5 Claims. (Cl. 267—21)

1. In combination, a body to be supported, a support for said body, a torsion joint comprising two members resiliently joined together for relative movement, one of said members being connected with said support and the other of said two members being fixed with respect to said body, means to secure said other member against rotation relatively to said body, and means for supporting the torsion joint by the body, said means comprising a pair of bearing members having one of their respective ends

passed through portions of said body and detachably secured in one of the two members of said

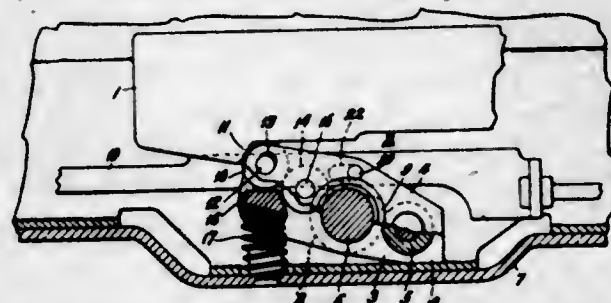


torsion joint, whereby said torsion joint is easily mounted or demounted.

2,436,682

SEAR MECHANISM

Walter R. Weeks, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Application August 8, 1946, Serial No. 689,233
4 Claims. (Cl. 89—132)

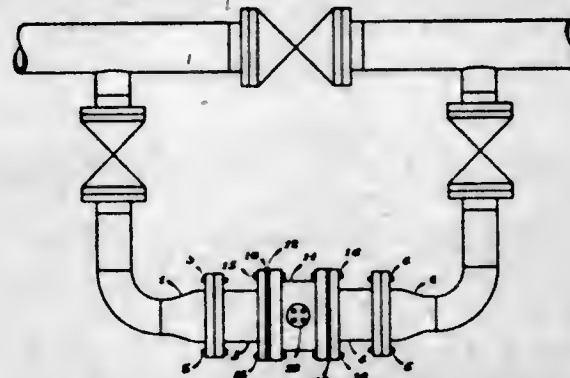


1. Sear mechanism comprising an arm, a pivot pin for said arm constituting a roller, a first latching roller on said arm, a second roller on said arm between and engaging said pivot pin and said first roller, means for moving said arm about said pivot pin to a predetermined latching position, and means for turning said arm about said pivot pin to move said first roller to a releasing position whereby said first roller rolls on said second roller and said second roller rolls on said pivot pin.

2,436,683

GENERATOR FOR PIPE LINES

Joseph H. Wood, Jr., Dallas, Tex., assignor to Atlantic Pipe Line Company, Philadelphia, Pa., a corporation of Maine
Application April 6, 1945, Serial No. 586,956
3 Claims. (Cl. 290—52)



3. A device for generating electrical energy by the utilization of the flow of fluid through a pipeline, comprising a housing adapted to form an integral stationary section of said line, bearing means rigidly disposed axially of said housing, a rotor positioned on said bearing means and adapted to be rotated by the flow of fluid through the pipeline, permanent magnets affixed to the periphery of the rotor to create a magnetic field, a stator surrounding the rotor and radially spaced therefrom, an insulating cylinder rigidly secured

by integral shoulder means intermediate the stator and the rotor, and means for conducting electric current from the stator windings.

2,436,684

TOY BALLOON

Andrew J. Annis, Baltimore, Md.
Application October 26, 1945, Serial No. 624,855
3 Claims. (Cl. 46—89)



1. A self-propelled inflatable balloon comprising an elongated body, means whereby air may exhaust from the rear end of said body for propelling the balloon, integral guide fins carried by said body for guiding the same in the direction aimed, said guide fins extending longitudinally of the body, said body comprising a forward cylindrical portion terminating at its rear end in a spherical portion.

2,436,685

SUBSTITUTED PIPERAZINES

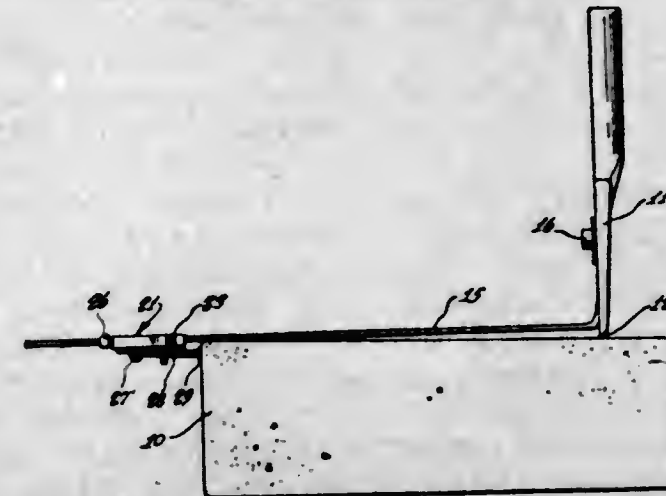
Richard Baltzly, New York, and Emil Lorz, Yonkers, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 6, 1944, Serial No. 517,226
7 Claims. (Cl. 260—268)

1. In a method of preparing N-substituted piperazines, the steps of reacting piperazine with a reagent selected from the group consisting of the acyl anhydrides, the acyl halides, the aryl sulfonyl halides and the substituted aryl sulfonyl halides in the presence of a solvent selected from the group consisting of the aqueous commercial alcohols, aqueous dioxane, aqueous acetone and glacial acetic acid and maintaining the reaction mixture in such solvent in a single phase solution until the reaction is completed and the mixture contains, in addition to unreacted piperazine and N,N'-disubstituted piperazine, a substantial amount of mono-N-substituted piperazine, and separating the mono-N-substituted piperazine from the unreacted piperazine and from the disubstituted piperazine.

2,436,686

BRICK CUTTING TOOL

Daniel J. Coffey, Bronx, N. Y.
Application January 17, 1947, Serial No. 722,546
6 Claims. (Cl. 125—40)



1. A cutting tool for brick, tile and the like having a cutting edge and a portion adapted to be struck with a hammer, a measuring member

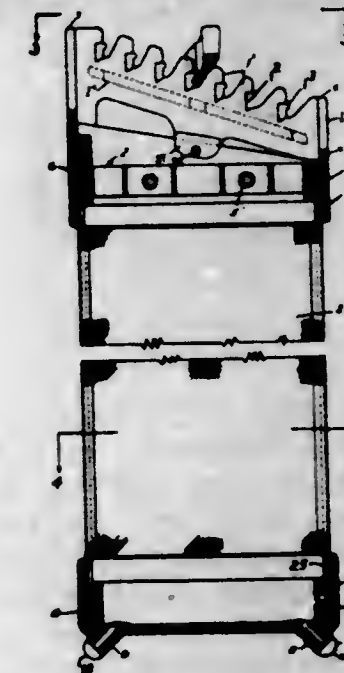
607 O. G.—47

fixed to one face of the tool and extending rearwardly therefrom, a slide adapted to be adjusted along the measuring member to different distances from the cutting edge of the tool, and an engaging element disposed on the slide adapted to fit over the end of the brick and engage with the end face thereof.

2,436,687

CLUB HEAD RETAINING MEANS FOR GOLF CLUB BAGS

Robert Lee Corbett, Lakewood, Ohio
Application February 1, 1945, Serial No. 575,598
3 Claims. (Cl. 150—1.5)

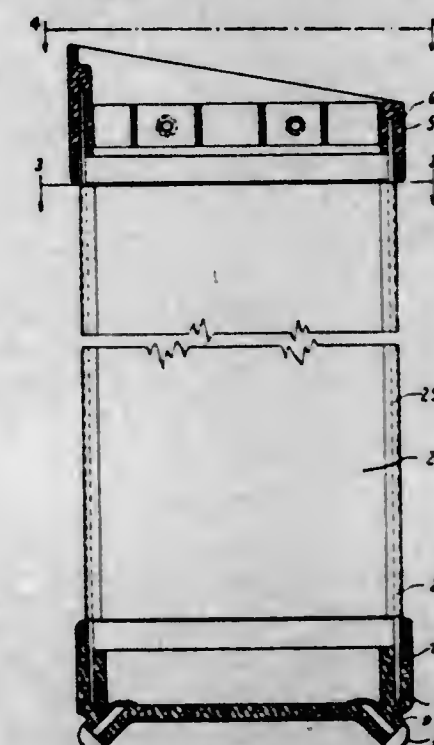


3. Club head supporting means for golf bags comprising a plurality of upwardly extending fingers, each of said fingers having a groove disposed therein, a bumper element adapted to be inserted and lockingly seated within the said groove and having a protruding nose portion adapted to engage the back of a club head to be positioned between the said bumper retaining finger and the confronting face of an adjacent finger, said bumper element being adapted to lockingly engage the said club head to securely maintain the same in its allocated seated position.

2,436,688

ASSEMBLY FEATURES OF GOLF CLUB BAGS

Robert Lee Corbett, Lakewood, Ohio
Application February 1, 1945, Serial No. 575,600
1 Claim. (Cl. 150—1.5)



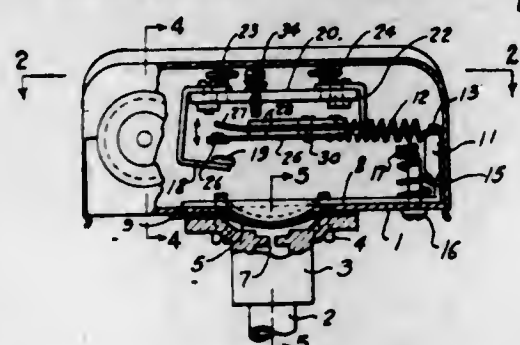
A golf bag comprising a tubular bag member, a base member, a cuff member, said base and cuff members being secured to said tubular bag member at opposite ends thereof and having

aligned slots disposed in each said base and cuff member, an apron disposed medially of said tubular member and having stay elements projected therethrough, the opposite ends of each said stay element being seated in said opposing aligned slots in the base and cuff members.

2,436,689

SWITCH CONSTRUCTION

Stanley R. Du Brie, Detroit, Mich., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 556,505
10 Claims. (Cl. 200-83)



1. In a snap acting switch for an electric circuit, a fixed contact member, a pivoted contact member, resilient means biasing said members together to close said circuit, the pivoted contact member comprising a resilient arm adapted to contact the fixed contact member and a relatively stiff arm, a spacer between said arms, the said arms extending beyond said spacer, the said resilient arm when the contacts are closed being flexed and under strain and the extension of said relatively stiff arm bearing against said resilient arm when the contacts are closed whereby a firm contact is maintained between the fixed and movable contacts and whereby the resilient contact arm and fixed contact member remain engaged during the initial portion of the breaking movement of said pivoted contact member and thereafter effect a fast break.

2,436,690

ACID CHLORIDE-FLUORIDE BATH FOR NICKEL PLATING

Arthur H. Du Rose, Euclid, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application March 12, 1945, Serial No. 582,423
3 Claims. (Cl. 204-49)

1. A nickel plating solution essentially consisting of water from 200 to 400 grams per liter of a source of nickel of the class consisting of (1) nickel chloride and (2) nickel chloride plus nickel sulfate, in proportion such that at least 33 1/3% of the nickel is from the chloride, HCl sufficient to produce a pH of from 2.5 to 5, and a source of fluorine of the class consisting of NH_4HF_2 , HF , NaF , KHF_2 , NiF_2 , NiHF_2 and mixtures of a plurality thereof, the total fluorine content of said source of fluorine being equivalent to from 15 to 30 grams per liter of NH_4HF_2 .

2,436,691

METHOD OF PRINTING NAMES ON CARDS

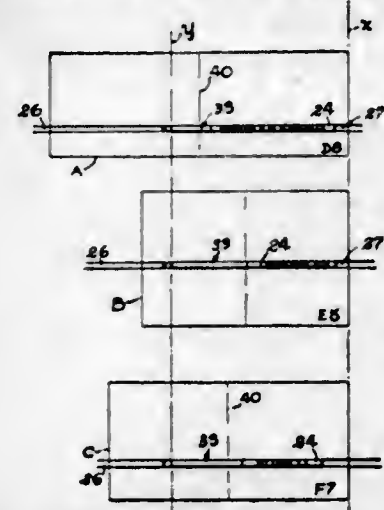
Clarence H. Freund, Wilmette, Ill., assignor to Clarence H. Freund, Irene Freund, John W. Walk, and Agnes Loretta Walk, copartners, doing business as Nu-Art Engraving Company, Chicago, Ill.

Application April 11, 1946, Serial No. 661,265

4 Claims. (Cl. 101-426)

1. The method of setting up apparatus for printing different name lines or other matter on

a plurality of groups of cards of varied sizes from type slugs individual to the respective groups which comprises, assembling a chase to provide a plurality of vertically aligned spaced parallel slots adapted to receive the type slugs, identifying each slot with distinctive indicia, preparing a series of fillers of progressively varying length for insertion

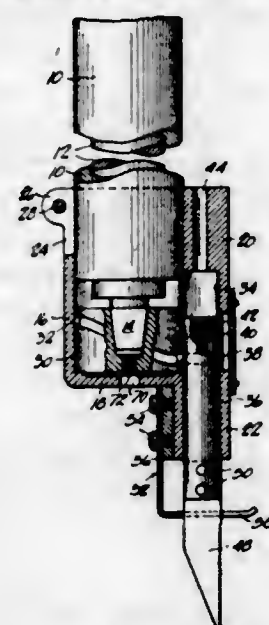


in said slots with a type slug to determine the position of the slug in the slot, identifying each of said fillers with distinctive indicia, and identifying each group of cards with dual indicia indicative of the particular filler to be used when printing the cards of that group and the particular slot in which the filler and the type slug are to be inserted for such printing.

2,436,692

TOOL OPERATING ATTACHMENT

Harry R. Greene, South Bend, Ind.
Application March 19, 1945, Serial No. 583,464
2 Claims. (Cl. 29-74)



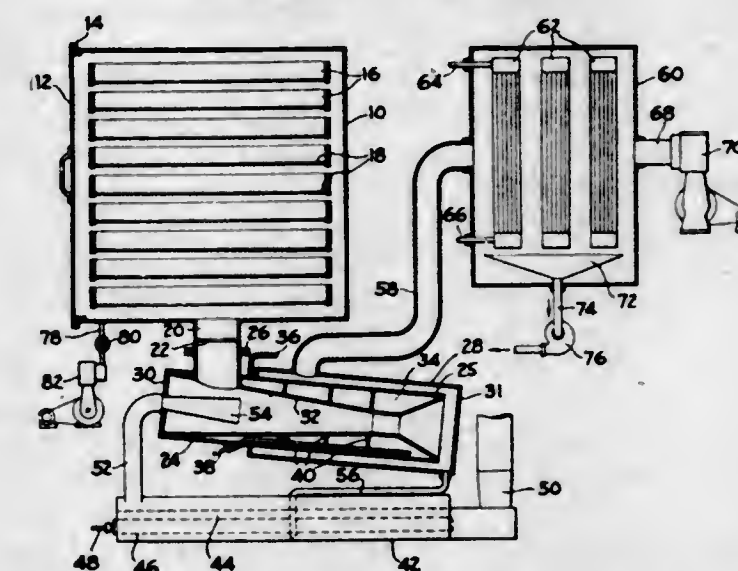
1. An attachment for a drill having a cylindrical quill and a shaft journaled in said quill and provided with a head projecting from said quill and concentric therewith, comprising a rigid unitary housing having a cylindrical bore open at one end, said housing being longitudinally split for a portion of its length at said end and adapted to fit snugly on the quill, means for contracting the split portion of said housing for clamping said housing around said quill, a longitudinally extending lateral projection formed integrally with said housing and having a longitudinal bore extending continuously therethrough and communicating with said first bore at a portion only of its length, a cylindrical member of substantially the diameter of said first bore loosely received therein and provided with a head receiving socket positioned axially thereof and opening toward said open end of said first bore and a cam slot around its periphery, a ram mounted for limited reciprocation in said second bore, projecting from the opposite end of said housing and having a cam follower seated in

said cam slot for operating said ram by said cylindrical member and for restraining said cylindrical member in said first bore, and tool mounting means on the projecting end of said ram, said housing, cylindrical member, ram and cam follower constituting an assembly whereby the simple application of said housing to said quill positions the head in said socket to provide a journal and drive for said cylindrical member and the manipulation of said clamping means attaches said housing to said quill and secures said head and member in operative position.

2,436,693

VACUUM DEHYDRATION PROCESS INCLUDING EVOLVED VAPOR CONDENSATION

Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application October 18, 1944, Serial No. 559,190
5 Claims. (Cl. 34-5)



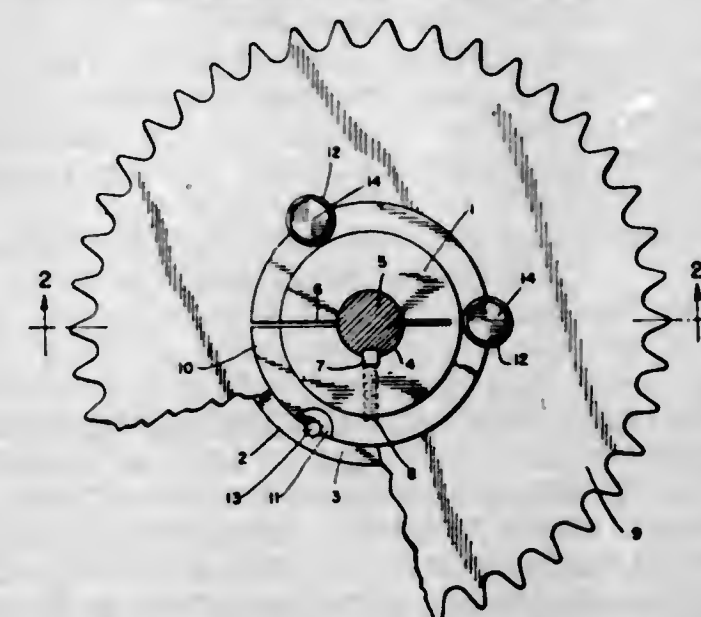
1. The process of vacuum dehydration which comprises removing the water in the form of vapor from the substance to be dehydrated by exposing it to a vacuum, compressing the water vapor thus removed and contacting the compressed water vapor with a cooling agent, condensing in the form of liquid water the largest amount of water vapor given off during early stages of the process and condensing in the form of ice the smallest amount of water vapor given off during later stages of the process.

2,436,694

DETACHABLE SPROCKET WHEEL

Lester H. Hornbrook, Jr., Norman B. Wienke, and Otto Cullman, Chicago, Ill., assignors to Cullman Wheel Company, Chicago, Ill., a corporation of Illinois

Application August 7, 1946, Serial No. 688,988
14 Claims. (Cl. 74-243)



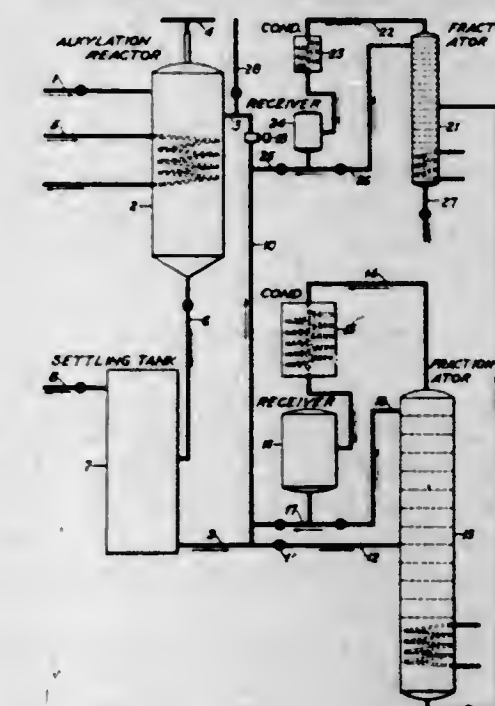
1. A device of the class described comprising a split hub adapted to be secured on a shaft, said

hub having an annular shoulder intermediate its ends, a wheel fitted onto said hub and seated against said shoulder, said hub and wheel having a socket on each side of the split in said hub intersecting the axial parting line between said hub and wheel, a tapered member seated in each socket, and securing means arranged to force said tapered members into wedging engagement between said hub and wheel.

2,436,695

ALKYLATION PROCESS

Carl S. Kuhn, Jr., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 18, 1942, Serial No. 451,383
4 Claims. (Cl. 260-683.4)



2. A process for the alkylation of isobutane with butene which comprises contacting the isobutane with the butene in the presence of an alkylating catalyst consisting essentially of hydrofluoric acid in an alkylating zone to produce isooctane, separating the hydrofluoric acid containing dissolved organic by-products formed in the alkylation reaction from unreacted hydrocarbons and alkylated product, regenerating the catalyst for reuse by dividing it into two portions, subjecting one of said portions to a low temperature distillation between 50° C. and 100° C. and recovering the vaporized hydrofluoric acid overhead, subjecting the non-vaporized residue from the low temperature distillation to a second distillation stage at about 150° C. and recovering the vaporized hydrofluoric acid overhead, adding the distilled hydrofluoric acid to the second portion of the catalyst, correlating the weight of catalyst distilled to the weight of alkylate produced so as to maintain the concentration of organic by-products dissolved in the catalyst in the alkylating zone at between 1% and about 8% by weight, based upon hydrofluoric acid, and returning the two portions to the alkylating zone.

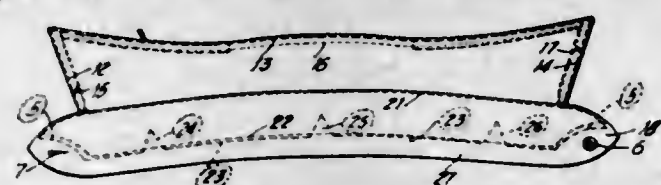
2,436,696

COLLAR

William J. La Rose, North Troy, N. Y., assignor of one-fourth to Harvey W. Heffner, Troy, N. Y.
Application November 14, 1944, Serial No. 563,367
3 Claims. (Cl. 2-131)

1. The method of making a collar comprising a top, a band, and a one-piece lining for said top and band which comprises the steps of securing together two plies of cloth shaped to form the top of said collar by stitching said plies adjacent all the edges thereof except those edges to be at-

tached to the band, turning said top inside out, inserting a lining in said turned top conforming substantially in outline along three edges thereof to the outline of said stitching and of a width or height adapting it to project from said top beyond the unstitched edges thereof to form a lining for said band, securing said lining and said top together by stitching substantially parallel to the stitching securing the plies of said top together, placing the plies of cloth forming the band of said



collar on opposite sides of said top with the edges thereof substantially coincident with the free edges of said top, securing said band plies to said top and lining by a line of stitching adjacent and substantially parallel to said free edges, down-folding said plies of cloth forming the band of said collar over the lining projecting from the top of said collar, and securing said band plies together with the lining therebetween by a line of stitching adjacent the edge of said lining.

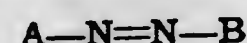
2,436,697

SULFOFLUORIDES OF AZOIC DYE STUFFS
Hans Zacharias Lecher, Plainfield, Robert Prescott Parker, Somerville, and Corris Mabelle Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 31, 1944,
Serial No. 547,515

13 Claims. (Cl. 260-204)

1. Water insoluble azo colors having the following formula:



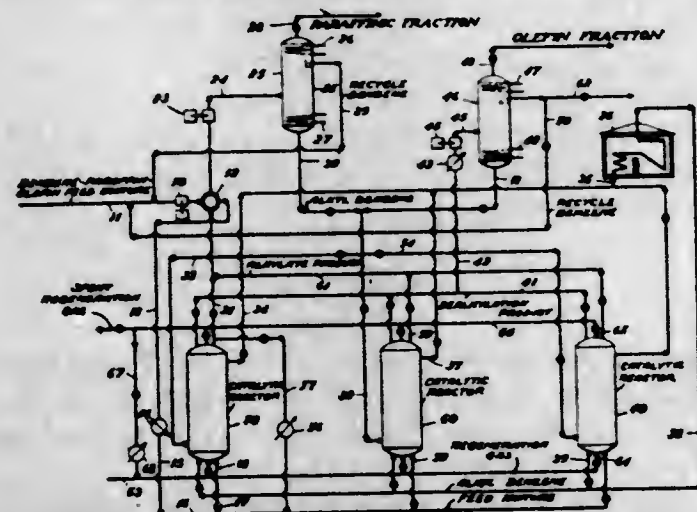
in which A is the residue of a diazotized amino benzene sulfonyl fluoride and B is the residue of an aryl-amide of an aromatic ortho-hydroxy carboxylic acid, both A and B being free from water solubilizing groups.

2,436,698

PROCESS FOR SEPARATING OLEFINS FROM HYDROCARBON MIXTURES

Alex G. Oblad, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application April 16, 1945, Serial No. 588,552
1 Claim. (Cl. 260-671)



A process for the separation of olefins of from 3 to 5 carbon atoms from close-boiling paraffins and for separately recovering said olefins and said paraffins which comprises the steps of: (1) admixing a molar excess of benzene on the basis

of the olefin charged with the paraffin-olefin mixture and subjecting the feed mixture so obtained to a pre-alkylation step by contacting with an alumina-silica catalyst in a first zone at a temperature above 300° C. and at a pressure of from about 700 to about 1500 pounds per square inch while permitting the temperature within said first zone to rise due to the exothermic heat of reaction, (2) cooling the gaseous effluent from step 1 below 300° C. and subjecting it to a final alkylation step by contacting with an alumina-silica catalyst in a second zone while maintaining a temperature of from 175° C. to 300° C. and a pressure of less than about 300 pounds per square inch, (3) fractionating the effluent from step 2 to obtain a paraffin stream, and unreacted benzene stream and an alkyl benzene stream (4) subjecting the alkyl benzene to a dealkylation step by contacting it with an alumina-silica catalyst in a third zone maintained at a temperature above 350° C., (5) fractionating the effluent from step 4 to obtain an olefin stream, a benzene stream and an unreacted alkyl benzene stream, (6) recycling the unreacted alkyl benzene stream from step 5 to step 4 and the benzene streams from steps 3 and 5 to step 1, (7) separately recovering the paraffin stream and the olefin stream, (8) when the temperature in the first zone has risen to about 450° C., transferring the dealkylation step to the first zone, passing the feed mixture directly to the final alkylation step in the second zone and regenerating the catalyst in the third zone to prepare it for reuse as an alkylation catalyst, and (9) when the catalyst has been regenerated, placing it in use in carrying out the final alkylation step and raising the pressure of the reactants in the second zone to make the operations therein the pre-alkylation step and permitting the temperature to rise to repeat the cycle.

2,436,699

NITROGENOUS DIACYL-GLYCERO-PHOSPHATES

William Gordon Rose, Berkeley, Calif., assignor to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Application June 12, 1947,
Serial No. 754,256

15 Claims. (Cl. 260-403)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

9. A carbobenzyloxyminoethyl ester of a diacyl-glycerophosphoric acid wherein the acyl radicals are aliphatic and contain at least 8 carbon atoms.

2,436,700

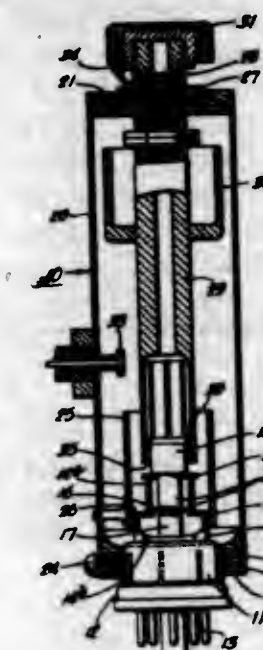
CAVITY RESONATOR OSCILLATOR

Sterling C. Spielman, Huntingdon Valley, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application January 29, 1944, Serial No. 520,296
2 Claims. (Cl. 315-39)

2. An oscillation generator, comprising a tubular metal shell, a vacuum tube secured to one end of said shell and extending longitudinally therein, said tube having an electrode terminal disposed within said shell, and a conductive member adjustably secured to the other end of said shell and extending longitudinally therein in wiping engagement with said terminal, adjustment of said member effecting tuning adjustment of the generator, said shell and said member being composed at least in part of materials having different coefficients of expansion to counter-

act frequency deviations due to temperature changes, and said conductive member compris-

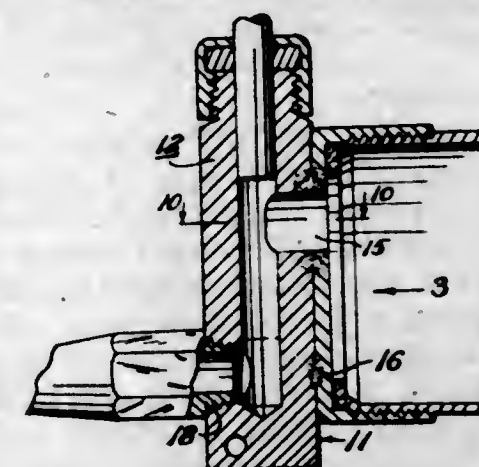


ing two serially connected sections composed of metals having different coefficients of expansion.

2,436,701

GREASE-GUN HEAD CONSTRUCTION

Edwin P. Sundholm, Albert City, Iowa
Application June 20, 1946, Serial No. 678,123
2 Claims. (Cl. 222-383)



1. A grease-gun head for lever-type hand-operated grease-guns, said head comprising a flanged, pressed sheet-metal cap-member and a relatively thick-walled metal cylinder-block having a cylinder-bore therein whose length is generally co-extensive with the diameter of said cap-member and having a discharge-port near one end thereof, said cylinder-block and said cap-member having contiguous matching surfaces and disposed with their axes generally at a right angle to each other, an intake-port through said cap-member in a direction generally parallel to the axis thereof, an intake-port in one side of said cylinder-block in alignment with the intake-port in said cap-member and extending directly into and intersecting said cylinder-bore; the metal of said cap-member and the metal of said cylinder-block in the zone of the intake-ports thereof forming the surfaces of the passageway for ingress of grease and said member and block being united by fusion in an area completely surrounding said intake-ports.

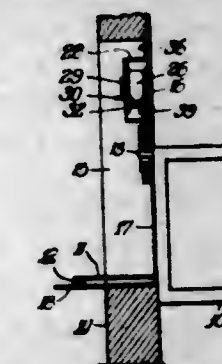
2,436,702

VALUABLES TRANSFERRING APPARATUS

Walter Swiech, Chicago, Ill., assignor of nine-twentieths to Chester A. Borys, Cicero, Ill.
Application October 26, 1944, Serial No. 560,485
11 Claims. (Cl. 232-1)

1. In combination with a wall having an opening, a container, a door in the latter, and means in said wall for locking engagement with said container in contact with one side of said wall,

access into said container from the opposite side of said wall being had through said opening and



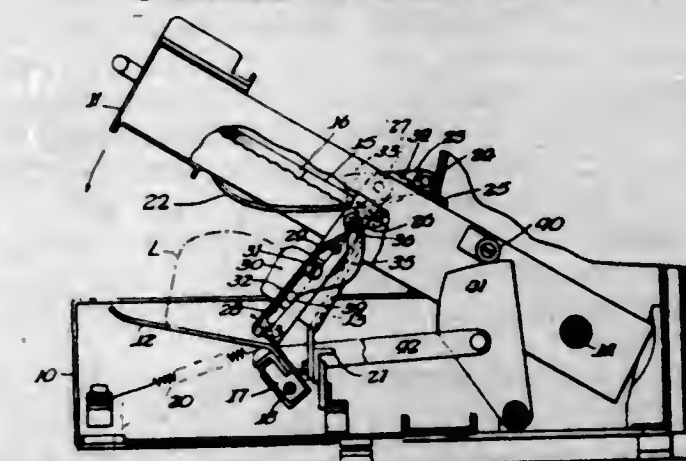
said door when said container is in contact with said wall.

2,436,703

BREAD SLICING MACHINE HAVING MULTIPLE RECIPROCATING BLADES, WITH A GUARD

Henry Thomas, Chingford, England, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application February 19, 1944, Serial No. 523,016
In Great Britain March 23, 1943
8 Claims. (Cl. 146-151)

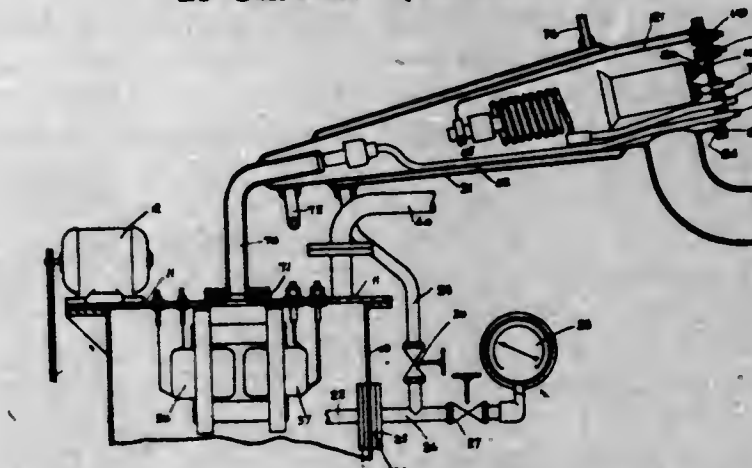


1. A slicing machine comprising a knife-frame, in which a number of knives are reciprocally arranged and are spaced a slice-thickness apart, a base in relation to which the knife-frame can be raised to provide a substance-receiving space between it and the base, a substance-support mounted on the base and formed comb-like with substance-engaging fingers adapted to pass through the inter-knife spaces, a knife-guard supported by the knife-frame and extending below the knives when the knife-frame is uptilted, a locking member acting to prevent withdrawal of said guard, and an operative connection between the said guard and the base serving to unlock said guard when said frame descends to perform a slicing stroke.

2,436,704

FLUID STREAM VACUUM PUMP

John William Tills, Upton, England
Application April 12, 1945, Serial No. 587,869
In Great Britain April 18, 1944
19 Claims. (Cl. 230-101)



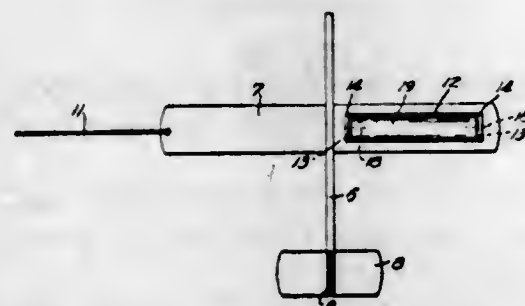
1. In a fluid stream vacuum pump employing as working fluid an organic liquid having at room

temperature a relatively low vapour pressure; nozzle means adapted to emit a stream of vaporized working fluid boiler means arranged to supply vaporized working fluid to said nozzle means; and means to supply liquid working fluid to said boiler means at a pressure of at least 15 lbs./sq. inch.

2,436,705

SOUND DEVICE FOR TOY AIRPLANES

Berl P. Watts, Oakland, Calif.

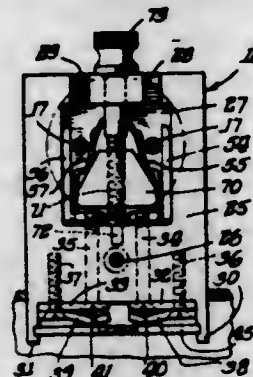
Application March 20, 1946, Serial No. 655,675
2 Claims. (Cl. 46-52)

1. In an aerial flying toy having a wing provided with an aperture, means associated with said toy for moving the latter through the air in controlled flight, and a rotor journaled on said toy within said wing aperture, said rotor comprising a substantially plane member freely revoluble about an axis in its own plane and in the plane of the wing and perpendicular to the direction of flight of the toy, said rotor in operation causing a buzzing or whirring sound to be emitted.

2,436,706

LAMP HOLDER FOR TUBULAR LAMPS

John Weritz, Cicero, Ill.

Application October 2, 1943, Serial No. 504,745
3 Claims. (Cl. 173-328)

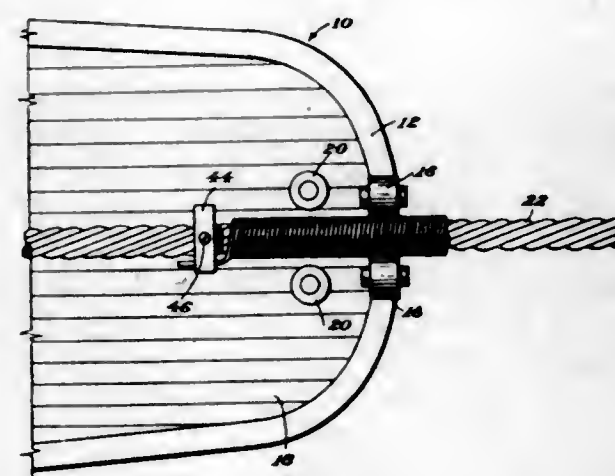
3. A lamp socket for tubular lamps and the like of the type having a pair of elongated pinlike contact members and comprising a housing of insulating material having a recess therein and a pair of parallel exteriorly open passages communicating with said recess and adapted to guide the lamp contact members into the said recess transversely of the clamp axis, a pair of fixed socket contact members one disposed at each side of said recess and against which the lamp contact members are adapted to be clamped, a pair of resilient socket contact members disposed within said recess and inwardly of said fixed socket contact members and each having one end thereof connected to said housing, each of said resilient socket contact members having the opposite free end portion thereof inwardly offset intermediate the ends thereof and flared at an angle away from the adjacent fixed socket contact member, a cam member disposed in said recess and between the flared end portions of said resilient contact members and adapted for movement toward the free ends thereof and into con-

tact with the flared offset end portions thereof, and a bolt journaled in said housing between the free ends of said resilient contact members and threadedly engaging said cam member within said recess and extending exteriorly of said housing to provide for external manual shifting of the cam member against the flared offset end portions of said resilient contact members whereby to shift the free end portions thereof into clamping engagement with an adjacent lamp contact member.

2,436,707

SPRING WINDING DEVICE

Wilford Altenburg, San Francisco, Calif.

Application January 7, 1946, Serial No. 639,620
1 Claim. (Cl. 57-10)

A device of the character described, comprising a handle having a hooked end, a clamp having a curved end reversely curved to that of the hooked end of said handle, an elongated slot in said handle and spaced openings in said clamp for receiving means for securing said clamp and said handle in operative position on a tow rope and an apertured guide ear on one side of the hooked end of said handle to guide a spring on a tow rope.

2,436,708

CERAMIC MIXTURES

Louis Bonnet, Villasavary, and Maurice Marty, Neuilly-sur-Seine, France

No Drawing. Application August 18, 1936, Serial No. 96,674. In France December 12, 1935
Section 3, Public Law 690, August 8, 1946
Patent expires December 12, 1955
3 Claims. (Cl. 106-46)

1. A ceramic mixture comprising 90 parts by weight of crystallized alumina, 5.6 parts of boron oxide, 4.4 parts of lime, 0 to 5 parts of silica, 0 to 2 parts of iron oxide.

2,436,709

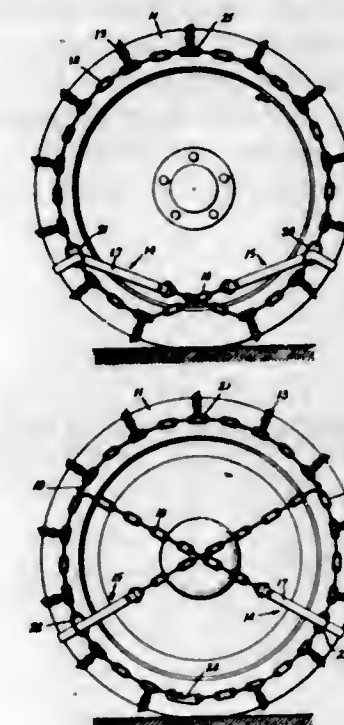
TIRE CHAIN

Charles C. Bozenhard and Cushing C. Bozenhard, Yonkers, N. Y.

Application May 21, 1947, Serial No. 749,494
5 Claims. (Cl. 152-241)

1. An anti-skid chain for a vehicle tire comprising an inner side chain element, an outer side chain element, fastening means on the ends of said outer side chain element for detachably connecting the ends of said outer side chain element, cross chains connecting said side chain elements, enlarged links adjacent each end of each side chain element, an extension on each end of said inner side chain element of sufficient length to extend through the link at the opposite end of said inner side chain element when applied to a tire, over the tread of said tire, and through said

link at the corresponding end of said outer tire chain element, and means for detachably con-



necting the outer end of each extension to said outer tire chain element.

2,436,710

PREPARATION OF VINYL CHLORIDE

James A. Bralley, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application November 9, 1944, Serial No. 562,741

6 Claims. (Cl. 260-656)

1. The process of preparing vinyl chloride by reacting acetylene with hydrogen chloride in the vapor phase in the presence of a catalyst comprising as an essential component a trivalent arsenic compound in which at least one valence of the arsenic is satisfied by a beta-chlorovinyl group, the remaining valences being satisfied by chlorine, and activated charcoal as a carrier therefor, said arsenic compound being deposited upon said activated charcoal from a solution in liquid vinyl chloride.

2,436,711

PREPARATION OF VINYL CHLORIDE

James A. Bralley, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application November 9, 1944, Serial No. 562,742

7 Claims. (Cl. 260-656)

1. The process of preparing a vinyl halide which comprises reacting acetylene with a hydrogen halide in the vapor phase in the presence of a previously prepared catalyst comprising as an essential component a bivalent mercury compound in which at least one of the valences of the mercury is satisfied by a beta-halovinyl group, the remaining valence being satisfied by halogen, and a surface-active carrier therefor.

2,436,712

MOISTURE SHIELD FOR SPARK PLUGSGeorge G. Burrell and Arthur L. Hulshizer, Cedar Rapids, Iowa, assignors to Sealtight Corporation, Cedar Rapids, Iowa, a corporation of Iowa
Application July 13, 1946, Serial No. 683,564

8 Claims. (Cl. 174-77)

1. In a moisture shield for use with an ignition cable and a spark plug having an insulator and a terminal at the top thereof; a lower sealing

member comprising an annular sleeve of rubber-like material, the diameter of the sleeve being reduced at the lower portion thereof for closely engaging the insulator, the sleeve having a top wall with an opening therethrough for reception over the terminal of the plug, a lower shield having the lower portion thereof recessed for the reception of the upper portion of the lower sealing member and having an opening therethrough for reception over the terminal, a stylus thread-

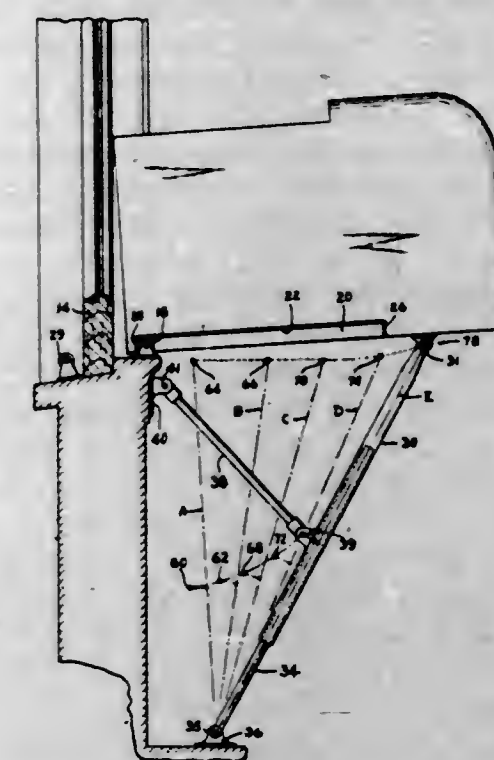


edly engaged with the terminal and adapted to urge the lower sealing member into contact with the lower shield and the insulator, the top wall of the lower sealing member being curved so as to expand within the recess of the lower shield when secured by the stylus, and an upper shield threadedly engaged with the lower shield and having an opening through the top thereof, the stylus adapted to expand and seal an ignition cable disposed within the said opening.

2,436,713

AIR CONDITIONING APPARATUS HAVING MOUNTING FOR MOTION RELATIVE TO A WINDOW

Clifford S. Cody, Springfield, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 15, 1946, Serial No. 676,935
9 Claims. (Cl. 98-94)

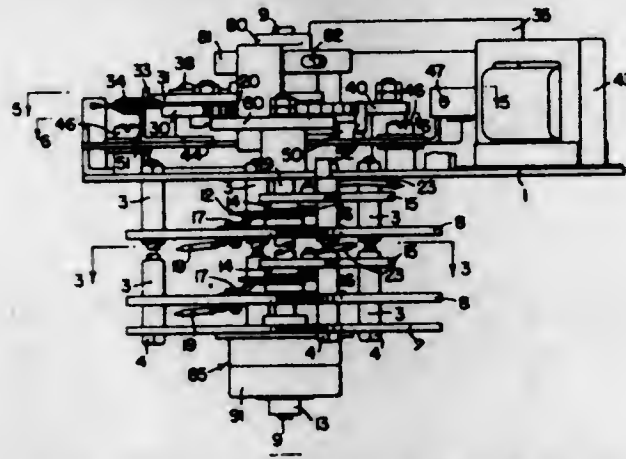
1. Mechanism for mounting a room air conditioning unit or the like in the window of a wall, said mechanism comprising supporting means at the bottom of the window on which said unit may slide horizontally into and out of the window, and means for resisting the turning moment of the end of the unit remote from the window when the unit is slid out of the window, said means comprising a link pivoted at one end to the wall adjacent said supporting means and extending downwardly therefrom, a lever pivoted to said end of the unit and to the lower end of said link

and extending downwardly beyond the latter, and means acting on the lever to resist rotative force about the pivotal connection with said link produced by the downward force of the unit on the upper end of the lever.

2,436,714

PROGRAM CONTROLLER

Albert H. De Moss, Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application August 29, 1942, Serial No. 456,589
15 Claims. (Cl. 200—87)



1. A circuit closing device having, in combination, a frame, a shaft supported in the frame, a coil spring attached to the frame and shaft tending to rotate the shaft in reverse direction, a shelf carried by the frame having a hole through which the shaft passes, a row of contacts on the shelf, a contact finger carried by the shaft adapted to move over the contacts in succession, a solenoid carried by the frame, a ratchet wheel carried by the shaft, a pawl adapted to engage said ratchet and to be moved by the solenoid to turn shaft forward and to wind up said coil spring, another pawl carried by the housing and engaging the same ratchet wheel to prevent retrograde movement of the shaft, a sliding plate carried by the frame biased to move in one direction, lugs attached to the plate engaging each of the pawls adapted to release them from engagement with the ratchet and to allow the spring to carry the shaft in reverse when moved against its bias, a disc having notches carried by the shaft, a master pawl supported on the frame adapted to be engaged by a notch when the shaft is moved backward by the coil spring, a bent arm riding free on the shaft adapted to hold the master pawl disengaged when pushed under the pawl, a pin carried by the shaft which upon completion of the entire travel of the shaft engages one side of the bent arm to move it into position and to hold the master pawl out of the path of the notches, a notch on the disc adapted to be engaged by the master pawl only after the spring has carried the shaft through substantially a complete revolution allowing the pin to engage the other side of the bent arm and to push it out of engagement with the master pawl.

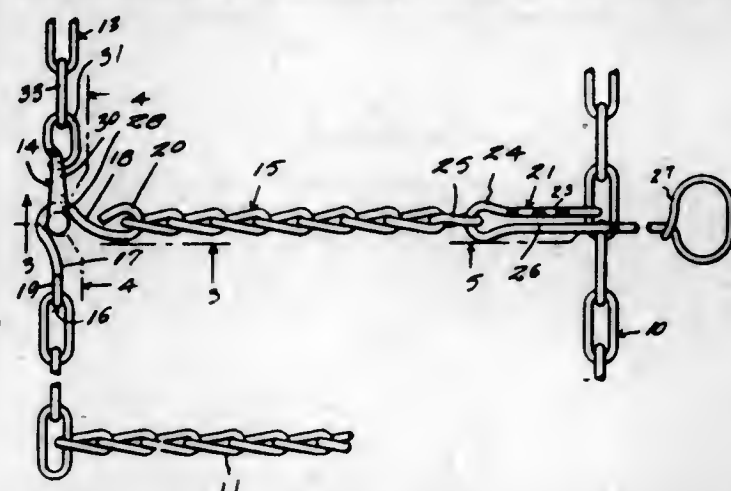
2,436,715

ANTISKID TIRE CHAIN

George Everline, Hagerstown, Md.
Application March 8, 1945, Serial No. 581,574
1 Claim. (Cl. 152—242)

An anti-skid chain comprising a pair of side chains and a plurality of cross chains, one of said side chains being of complete circular formation and the other side chain being split and in unapplied position forming a circle greater than the circle of said one side chain, said other side chain

including a loop at one end through which the other end thereof is freely slidable, said other side chain also including a right angle link inwardly from the other end thereof adapted when the chain is in applied position to project partly through said loop whereby a short portion of said other chain may be extended as a cross chain over the tire tread, a latching hook carried by said

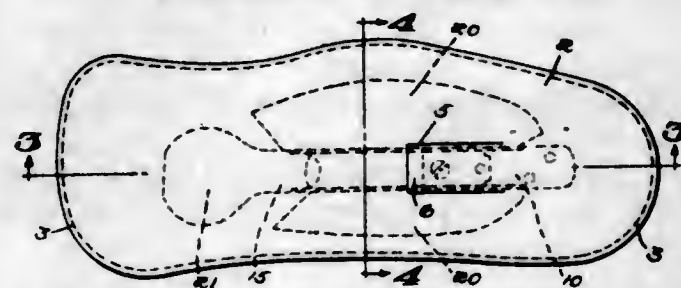


other end of said other chain, an elongated shank integral with and extending parallel with the back of said hook, said shank terminating in a large loop beyond said hook, said latter loop being larger than said first loop whereby the ends of said other chain will be held against separation when the device is unapplied, said hook being releasably engageable with a link of said one side chain.

2,436,716

INSERTABLE AND DETACHABLE ARCH-SUPPORTING UNIT FOR FOOTWEAR

James A. Fikany, Carbondale, Pa.
Application April 21, 1945, Serial No. 589,647
5 Claims. (Cl. 36—71)



3. A detachable cushioning and adjustable arch-supporting unit adapted to be assembled in a completed shoe, comprising a pair of layers of yieldable material united together, a pair of telescoping members secured between said layers and approximately in the lengthwise middle portion of said layers, having means for relatively longitudinal sliding action within said layers, a plurality of yielding cushioning elements lengthwise of and adjacent to said telescoping elements and of substantially equal thickness to said telescoping members, means to adjust said telescoping members in lengthwise adjusted position, and means to lock said members in said adjusted position, said locking means being accessible through one of said layers.

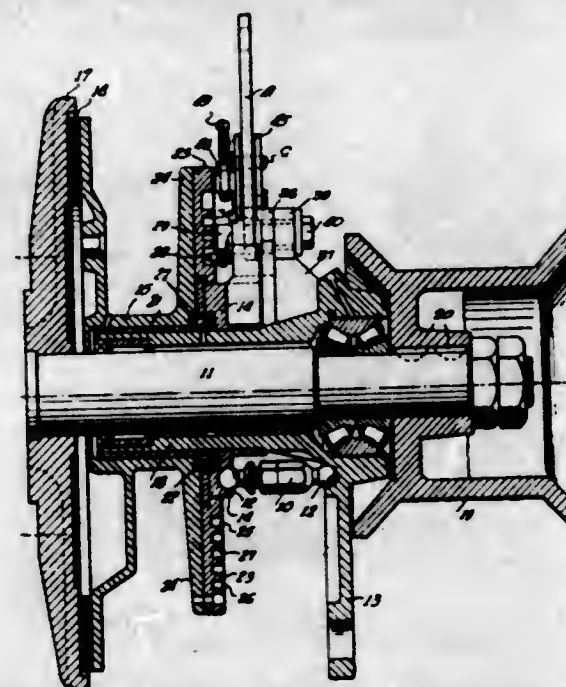
2,436,717

AUTOMATIC CATHEAD

Walter W. Foster, Wichita Falls, Tex.
Application March 17, 1944, Serial No. 526,895
7 Claims. (Cl. 254—173)

2. A friction break-out cathead including a normally rotating member, a drum having a flange engageable frictionally with said rotating member, an operating lever, means responsive to movements of said lever to advance said drum flange into frictional engagement with said rotating member, spring means resisting the action

of said movement responsive means, a normally rigid link assembly pivoted in off-centered relationship connecting said operating lever and said movement responsive means for common movement in one direction, a spirally grooved disc on one flange of said drum, a guide operating in said

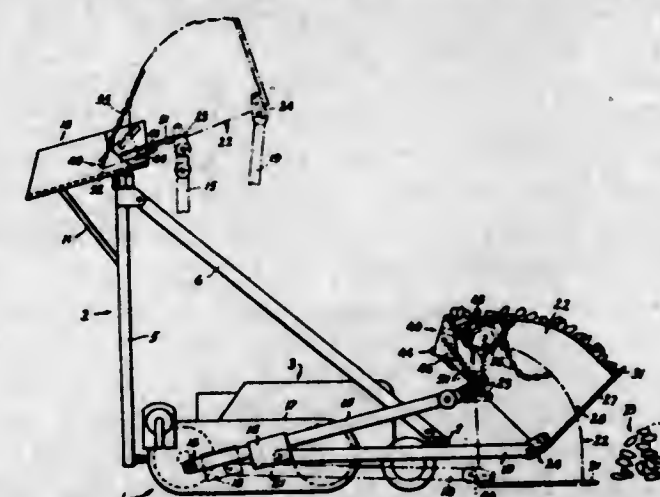


groove constrained upon rotation of said drum carrying member to travel radially on one face thereof and adjustable means carried by said link assembly and engageable by said guide to displace said link assembly to disengage said rotating member and drum.

2,436,718

MATERIAL HANDLING APPARATUS

Roland C. Franke, Mullen, Nebr.
Application June 15, 1945, Serial No. 599,728
6 Claims. (Cl. 214—140)



1. In a material loader of the type including a scoop adapted to be loaded from one side and then swung upwardly into a position to discharge by gravity from the other side thereof, an auxiliary gate pivoted to said other side of the scoop and adapted to be opened by the weight of material within the scoop when the scoop reaches dumping position, and spring means yieldingly holding said gate closed until said scoop reaches dumping position.

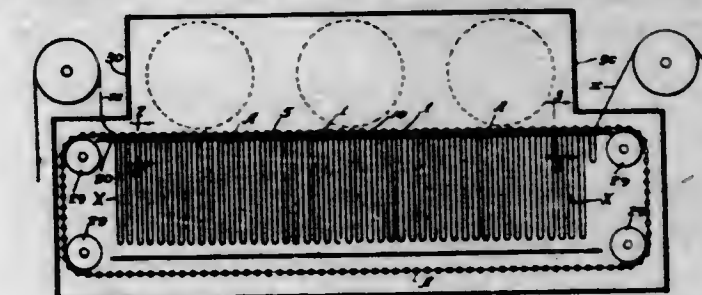
2,436,719

EXPANDING SLEEVE FOR LOOP DRIER GIRTS

Alpheus O. Huxthal, Wyncote, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 9, 1945, Serial No. 576,951
6 Claims. (Cl. 26—63)

1. Apparatus for dewrinkling festooned web and strip goods, which comprises a girt for supporting said goods, including a rigid rectilinear body element, an axially expandable and contractible tubular element immediately surround-

ing said rigid body element and operable intermediate said body element and said goods in a direction transversely of said goods and axially of said girt, means for rotating said expandable and contractible element about the axis of said girt, means for expanding said expandable and

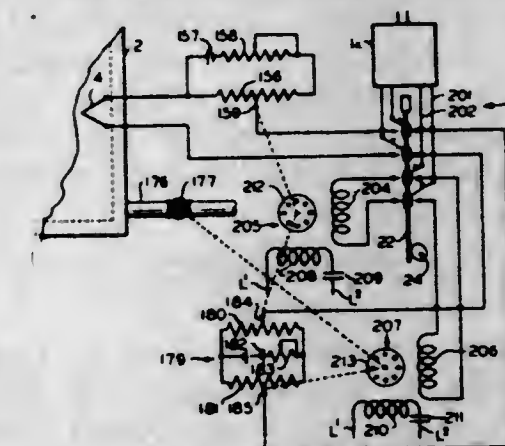


contractible element axially for spreading said goods smoothly on said girt, and means for advancing said elements laterally during said axial expansion and rotation of said expandable and contractible element relative to said body element.

2,436,720

MEASURING AND CONTROLLING APPARATUS

Harry S. Jones, Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 6, 1943, Serial No. 474,961
22 Claims. (Cl. 236—78)



19. Apparatus responsive to changes in the magnitudes of a plurality of variable conditions continuously and simultaneously including an electric potential producing device associated with each of said conditions and operative to produce an electric potential varying in accordance with the variations in magnitude of the condition individual thereto, an electrical device common to all of said electric potential producing devices and operative to determine the magnitude of said electric potentials, said electrical device having an input circuit and an output circuit, means responsive to the current flow in the output circuit of said electrical device and adapted to be conditioned to distinguish between the response during different intervals, and means to successively connect each of said electrical potential producing devices to the input circuit of said electrical device at a rate faster than the period of response of said responsive means and to condition said responsive means to distinguish between the response to each of said electric potentials.

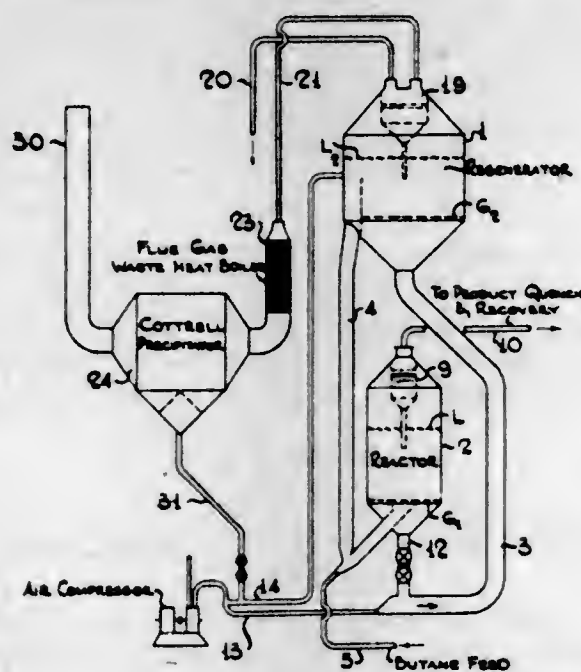
2,436,721

METHOD OF DEHYDROGENATING BUTANE

Kenneth C. Laughlin, Wilmington, Del., and Henry J. Ogorzal, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 1, 1945, Serial No. 608,322
4 Claims. (Cl. 260—683.3)

1. The method of dehydrogenating butane which comprises charging said butane to a re-

action zone where it contacts a body of fluidized powdered dehydrogenation catalyst, permitting the butane to remain resident in the reaction zone at dehydrogenation temperatures for a sufficient period of time to effect dehydrogenation, withdrawing fouled catalyst from the reaction zone, conveying it to a regeneration zone, contacting the fouled catalyst with a free oxygen-

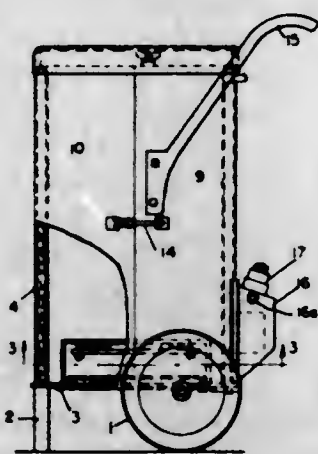


containing gas while the said catalyst is maintained in fluidized condition in said regeneration zone for a sufficient period of time to effect regeneration of said catalyst, and conducting the regeneration under conditions such that the regeneration fumes exiting from the regeneration zone at all times contain less than about 10 volume per cent of CO₂.

2,436,722

GREASE DISPENSING APPARATUS

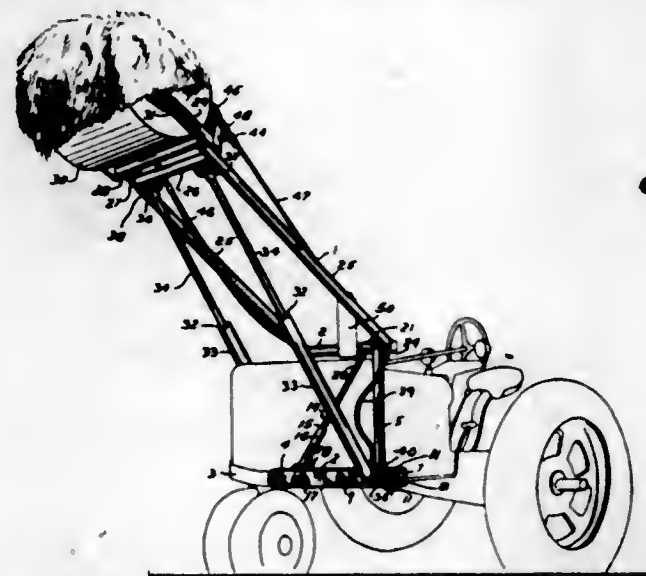
James W. Liddell, Evanstown, and Edward F. Shannon, Chicago, Ill., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application October 19, 1945, Serial No. 623,322
4 Claims. (Cl. 222-146)



1. A portable dispensing device for tacky, viscous lubricants which in a normal state are non-pumpable comprising a wheeled base, heating means on said base including an electrical resistance unit and a controlled circuit comprising a manually operable selector switch and a thermostatic switch, a thermally insulated casing on said base and adapted to receive a container for said viscous lubricants, a removable insulated cover for said casing, and manipulating handles secured to said assembly and extending laterally therefrom, whereby the viscous lubricant is maintained in a constant pumpable state by the heat generated by the heating unit in the wheeled base, said heat being retained by the insulating case.

2,436,723
LOADING DEVICE ATTACHMENT FOR TRACTORS

Donald W. Machin, Ottawa, Kans., assignor to Ottawa Steel Products, Inc., Ottawa, Kans., a corporation of Kansas
Application June 15, 1946, Serial No. 676,991
8 Claims. (Cl. 214-140)

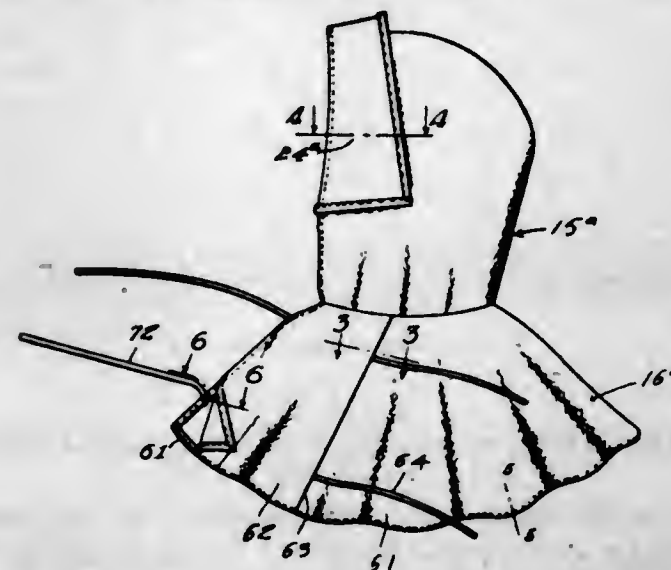


1. A loader attachment for tractors comprising, a frame including vertical members, means for adjustably attaching the frame to opposite sides of the tractor frame, trunnions extending outwardly from the upper ends of the vertical members, load lifting arms having their rear ends pivotally mounted on said trunnions, a cross member rigidly connecting the load lifting arms adjacent the forward ends thereof, material carrying means pivotally carried by the outer ends of the arms, hydraulic cylinders pivoted adjacent the lower ends of the vertical members and provided with plunger rods projecting forwardly to the front of the tractor, means for pivotally connecting the forward ends of the plungers to the cross member intermediate the load lifting arms, means for providing lateral movement of the forward ends of said plungers, and hydraulic connections adjacent the pivoted ends of said hydraulic cylinders for applying fluid pressure thereto for actuating the plungers and lifting the material carrying means.

2,436,724

GALE HOOD

Hyman H. Mishel, Philadelphia, Pa.
Application February 2, 1944, Serial No. 520,778
1 Claim. (Cl. 2-84)



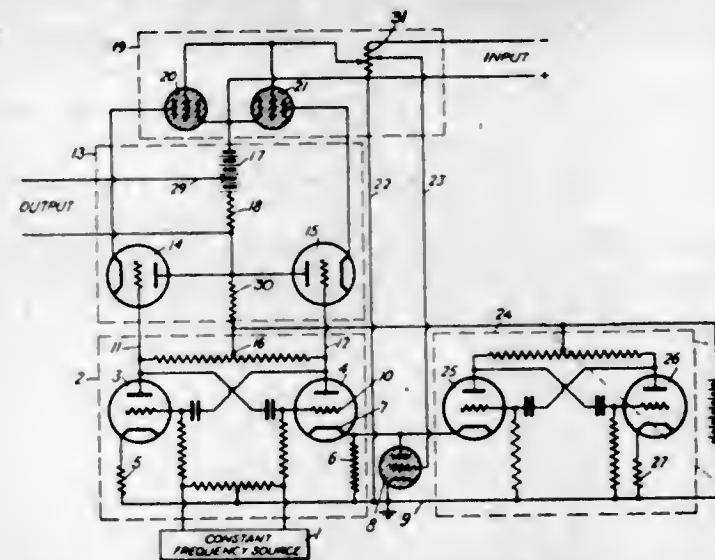
A combined hood and cape comprising a substantially circular cape member open at the front thereof, a hood secured to and extending upwardly from said cape member, said hood comprising a pair of opposed flexible hood forming members having substantially straight forward edges, convex upper edges, and substantially

straight rear edges merging into said convex upper edges, means securing said upper and rear edges together, said cape comprising a pair of sector-shaped sections, means securing one edge of one section to an adjacent edge of the other section, a pair of tapes carried by the free edge of one section, and a second pair of tapes fixed between the secured edges of said sections.

2,436,725

ELECTRONIC TIMING APPARATUS

Montford Morrison, Upper Montclair, N. J.
Application October 23, 1943, Serial No. 507,425
4 Claims. (Cl. 250-27)



1. The combination of two vacuum tube oscillators arranged to operate with a common negative power-supply connection with vacuum tubes having a plate and a cathode, a direct-current source of power-supply for said tubes, a conducting link between the cathode of one tube of one of said oscillators and the cathode of one tube of the other of said oscillators, a gas-filled electron-tube having a plate, a control-electrode and a cathode, with said plate connected to said link and said cathode connected to said common connection, said electron-tube substantially constituting a common cathode power-supply conducting means for first two said cathodes under gaseous ionization in said electron-tube and substantially constituting a common cathode power-supply interrupting means for said cathodes in the absence of said ionization, and a control circuit including said control-electrode adapted to initiate gaseous ionization in said tube.

2,436,726

CENTRIFUGE BUCKET

Howard R. Moyer, Wilkensburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1945, Serial No. 610,129
17 Claims. (Cl. 57-76)

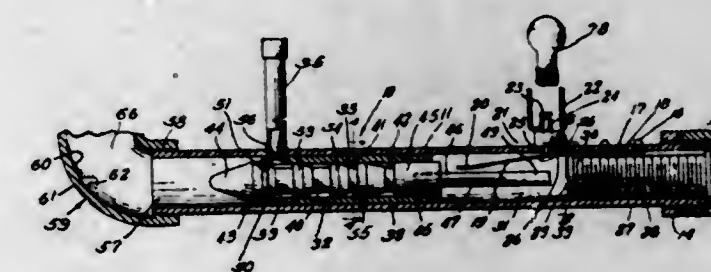


1. In a centrifuge bucket comprising, in combination, a side wall base member of fibrous material impregnated with resinoid, the side wall base member being adapted to receive a reinforcing member circumferentially about its outer surface, the reinforcing member being given a preset to have a diameter when unrestrained smaller than the outer diameter of the side wall base member whereby when applied to the side wall base member the reinforcing member engages the side wall base member with a biasing action.

2,436,727

THERMOSAFETY CONTROL FOR RAILROAD CARS

Nicholas V. Murphy, Claymont, Del.
Application November 10, 1945, Serial No. 627,818
2 Claims. (Cl. 246-169)

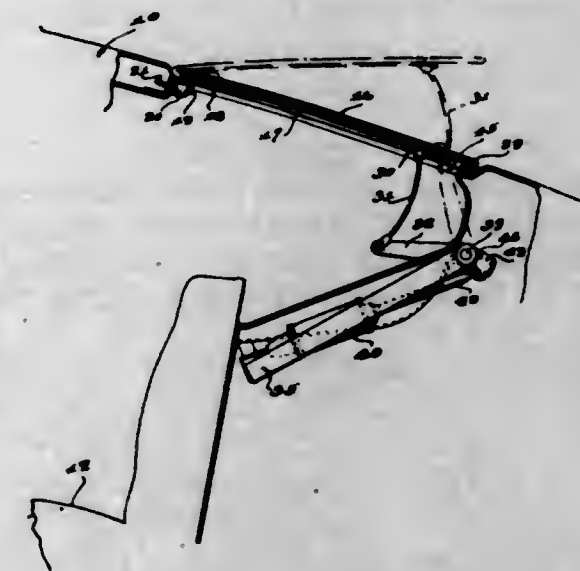


1. A safety device for trains having an air brake system which comprises a housing, an expansible heat-responsive element at one end of said housing and in heat exchange relation with an axle journal box, an air brake line in communication with said housing adjacent its other end, an elongate valve body in said housing positioned to be moved longitudinally of the housing when heat developed in the journal box causes the heat responsive element to expand, said valve member having a plurality of annular grooves thereon which are spaced by annular shoulders, a vent in said housing normally closed by said valve member and successively opened and closed by the grooves and annular shoulders of said valve member as it is moved longitudinally of the housing by the expansible element in order to progressively vent air from the braking system.

2,436,728

VEHICLE WINDOW REGULATOR

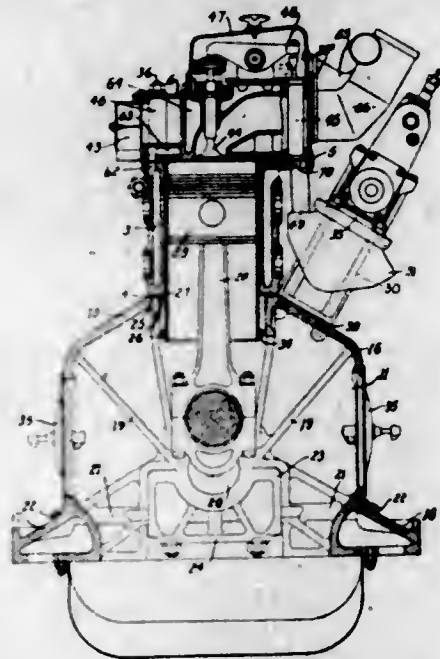
John B. Parsons, Toledo, Ohio
Original application June 21, 1944, Serial No. 541,327. Divided and this application February 14, 1945, Serial No. 577,878
7 Claims. (Cl. 296-44)



2. An automobile body having an elongate window opening, a window glass in overlapping relation to said opening and disposed on the outside of the body, a sealing strip extending entirely around said opening providing a seal between the edge of said opening and said window glass, a pivotal mounting for the upper edge portion of said window glass, means engaging the opposite edge portion of said window glass for imparting swinging movements thereto, said means comprising a rotatable elongate shaft disposed parallel to the axis of pivotal movement of the window glass, arms fixed to said shaft, yieldable connections between said arms and said window glass, and remotely controlled power means for imparting rocking movements to said shaft.

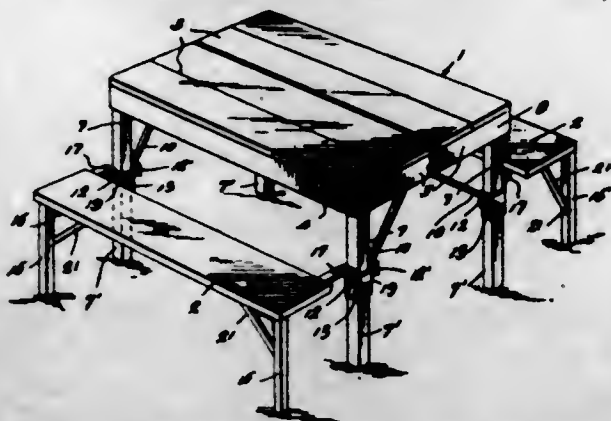
2,436,729 CONSTRUCTION OF INTERNAL-COMBUSTION ENGINES

Edward Philip Paxman, Colchester, England
Application June 26, 1944, Serial No. 542,174
In Great Britain March 10, 1943
3 Claims. (Cl. 123-195)



1. An internal combustion engine of the type having a row of cylinders disposed vertically above a crank shaft, comprising a crank case constituted by a plurality of interconnected longitudinal girders having thereon a joint face situated centrally of the width of the crank case and lying in a horizontal plane and a second joint face at one side of said centrally situated joint face and lying in an inclined plane, cylinder blocks adapted to be mounted on said centrally situated joint face, a cam box adapted to be mounted on said second joint face, and cylinder head units adapted to be mounted on the cylinder blocks, said cylinder blocks, cam box and cylinder head units all being formed as sub-assemblies prior to the assembly of the engine, and all joint faces between the crank case, cylinder blocks and cylinder head units being formed each with its component parts lying in a common horizontal plane.

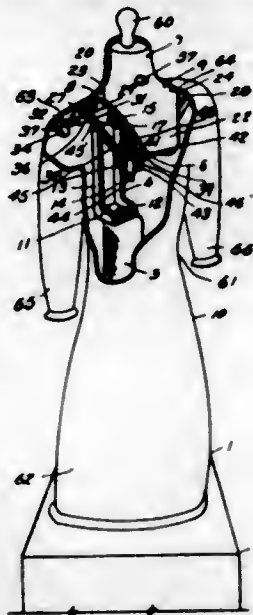
2,436,730
FOLDING TABLE AND BENCHES
George H. Repke, Flint, Mich.
Application March 18, 1946, Serial No. 655,121
3 Claims. (Cl. 155-124)



3. A folding table and benches comprising a table having a top formed of sections movable from an extended position for use to a folded position and when folded forming a container, legs for the table carried by the top sections and movable from an extended position to a folded position adapting them to be enclosed in the container formed by the folded top-sections, sleeves about said legs, bolts passing transversely through the sleeves and the legs, benches having legs movable from an extended position to a folded position against the under faces of the benches,

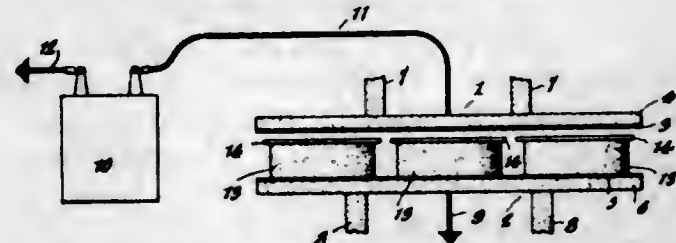
the benches being of dimensions adapting them to fit within a container formed by the folded top-sections, and bars pivotally carried by the benches and movable from a retracted position to an extended position and when extended projecting from inner side edges of the benches, said bars having depending spaced feet at their outer ends formed with slots of dimensions adapting the feet to fit about the bolts and secure the bars when the bolts are tightened.

2,436,731
GARMENT FINISHING MACHINE
John H. Richa, Kansas City, Mo.
Application October 15, 1945, Serial No. 622,251
13 Claims. (Cl. 223-57)



1. In a garment finishing apparatus, a neck form for supporting the neck portion of a garment, collapsible shoulder supporting means extending laterally of the neck form, means for shifting the shoulder supporting means from a collapsed position to a position for supporting shoulder portions of the garment, and means for tilting the neck form relatively to the back and shoulder portions of the garment.

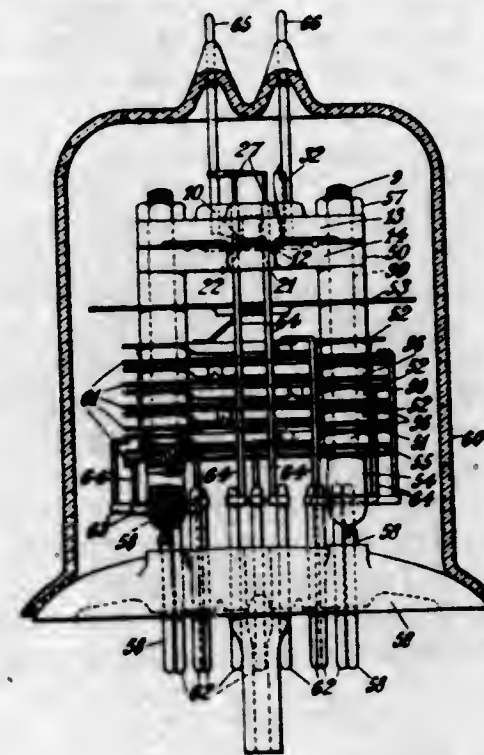
2,436,732
HIGH-FREQUENCY ELECTRIC FIELD HEATING
Robert G. Rowe, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application May 12, 1944, Serial No. 535,247
6 Claims. (Cl. 219-47)



1. In a method of heat-treating articles of relatively poor electrical conductivity and having two opposite broad faces the steps which comprise placing on at least one of the said broad faces a layer of material having an electrical conductivity materially higher than that of the article and an area substantially as great as that of the said broad face, and then subjecting the article while at least the sides thereof are unconfined to the action of a high frequency electric field between a pair of electrodes confronting the said broad faces and spaced apart a greater distance than the thickness of the article, the electrode which confronts at least one side of the article which is provided with the electrically-conducting material being spaced a material distance therefrom.

2,436,733
ZINC OXIDE-BISMUTH OXIDE CATALYST
Helmuth G. Schneider, Westfield, and Vincent F. Mistretta, Fanwood, N. J., assignors, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 28, 1944, Serial No. 570,210
3 Claims. (Cl. 252-206)
1. As a composition of matter a dehydrogenation catalyst consisting of a mixture of zinc oxide and 1-6% Bi₂O₃.

2,436,734
SUPPORTING STRUCTURES FOR THE ELECTRODES OF ELECTRON DISCHARGE DEVICES
François Joseph Gerard van den Bosch and Ernest Thomas James Tapp, London, England, assignors to Radio Electronics Limited, a British company
Application April 10, 1942, Serial No. 438,503
In Great Britain February 10, 1941
3 Claims. (Cl. 250-27.5)

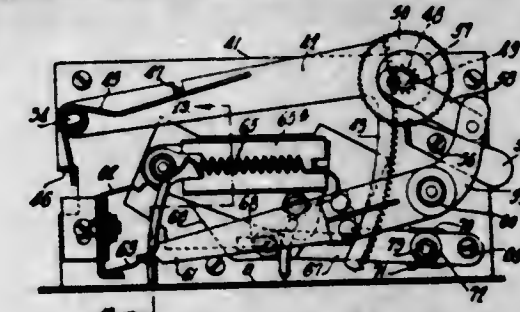


1. An electron discharge device comprising a glass envelope containing a plurality of spaced supporting rods formed from high fusing point refractory insulating material, electrodes having holes therein encircling said rods, washers formed from high fusing point refractory insulating material encircling said rods and spacing the electrodes apart, and metal legs secured in the ends of said rods and sealed in said envelope.

2,436,735
THERMAL TIMER FOR TOASTERS
Emil Walder and Joseph W. Myers, Philadelphia, Pa., assignors, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 14, 1941, Serial No. 383,406
4 Claims. (Cl. 161-1)

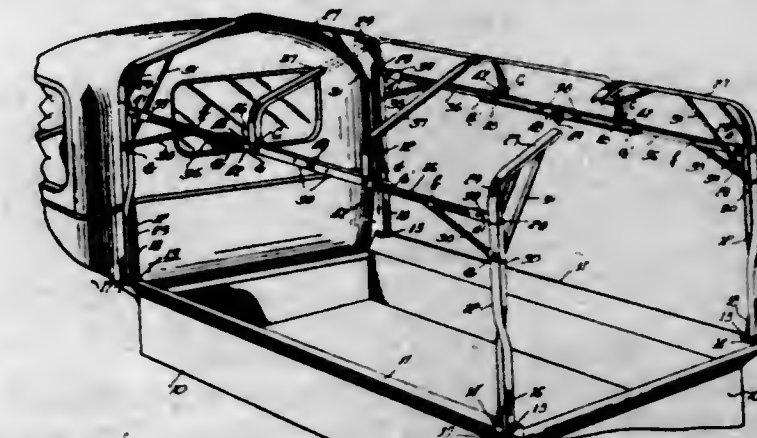
1. A timing mechanism comprising a movable member whose movement in one direction effects a timing operation, means for actuating said member in said direction, a pivoted thermal-responsive element, means interconnecting said element with said member so as to rock said element back and forth about its pivot during the movement of said member, a first stop constructed and arranged to detain said element in one position when the element is cold, a second stop constructed and arranged to detain said element in

another position when the element is heated, and heating means continuously energized during the timing operation and positioned so as to affect



said element only when the latter is in said one position, whereby the rocking motion of said element is controlled so as to control the movement of said member accordingly.

2,436,736
COLLAPSIBLE CANOPY TOP FRAME
Bascom B. Westmoreland, Grand Prairie, Tex., assignor to Ben G. Barnett, Dallas, Tex.
Application July 12, 1945, Serial No. 604,666
5 Claims. (Cl. 296-105)



4. A collapsible canopy frame including two pairs of supporting uprights, bows having their ends hinged to the upper ends of respective pairs of uprights for foldability into relative parallelism, horizontal frames on each side of said canopy frame, each comprising end sections and axially aligned intermediate sections hinged at their contiguous ends and at their opposite ends to points intermediate the ends of said end sections, means for releasably connecting the opposite ends of the latter sections with said uprights adjacent their upper ends, angular braces extending between said uprights and end sections and pivotally connected thereto, means for releasably securing said sections in axial alignment, intermediate bows to which the inner ends of said end sections are attached for pivotal displacement in a vertical plane and for foldability into parallelism with said bows, and means for anchoring the lower ends of said uprights.

2,436,737
BAILER
Nelson J. White and John S. Graham, Washington, Pa.
Application July 10, 1946, Serial No. 682,607
5 Claims. (Cl. 166-19)

1. A bailer comprising a tube that serves as a receptacle for material to be removed from a well, a flap valve pivotally connected to the lower end of the tube at one side thereof and movable into and out of position to close the lower end of the tube, a pull rod connected to a mid point on the valve and extending upwardly, a keeper carried by the tube, near the upper end thereof, a latch pivotally connected to the rod, and arranged to be moved beneath the keeper and prevent upward movement of the rod relative to the tube, a hoisting device on the upper

end of the rod, a leg carried by the tube and projecting downwardly therefrom, to a plane below the lowest point reached by the flap valve during its swinging movements, and yieldable

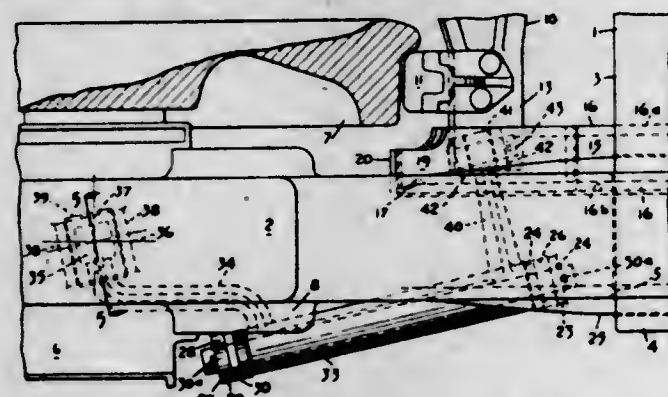


means having sufficient force to normally hold the latch away from its keeper, but of insufficient force to move the latch away from the keeper while the latch is supporting the weight of the tube.

2,436,738

BRAKE BEAM SUPPORT

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application January 15, 1945, Serial No. 572,893
20 Claims. (Cl. 188-190)



1. In a railway truck wherein a side frame is supported resiliently from a pair of journal boxes, the combination of, a member having guideways adjacent each end thereof and disposed between said journal boxes, said guideways accommodating ends of brake beams, and rigid means pivotally carried by said side frame; and each rigid means having spaced means connecting said member and an associated journal box.

2,436,739

METHOD OF MAKING 3,6-BIS-(BETA-HYDROXY-ETHYL)-2,5-DIKETOPIPERAZINE
Edgar C. Britton, Midland, Mich., and John E. Livak, Clemson, S. C., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application November 7, 1946, Serial No. 708,463

4 Claims. (Cl. 260-267)

1. A method of making 3,6-bis-(beta-hydroxy-ethyl)-2,5-diketopiperazine which comprises reacting aqueous ammonia with an alpha-halo-gamma-butyrolactone to form an alpha-amino-

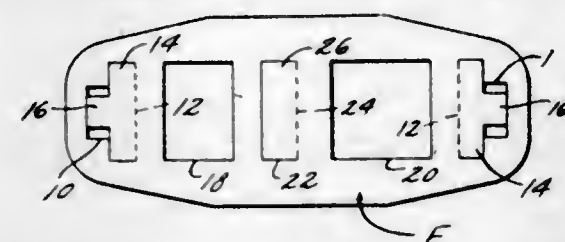
gamma-butyrolactone solution, treating the solution with at least 1 molecular equivalent of potassium hydroxide per mole of the alpha-amino-butyrolactone, heating the solution to vaporize unreacted ammonia therefrom, evaporating the residual product substantially to dryness, dissolving the residue in an alcoholic medium, adding hydrogen bromide in amount sufficient to convert the alpha-amino-gamma-butyrolactone to the hydrobromide thereof, crystallizing and removing potassium bromide from the resultant solution, and thereafter crystallizing alpha-amino-gamma-butyrolactone hydrobromide from the solution, heating the alpha-amino-gamma-butyrolactone hydrobromide together with a solution of potassium acetate in a non-aqueous ionizing medium to form 3,6-bis-(beta-hydroxy-ethyl)-2,5-diketopiperazine, and crystallizing the latter from the mixture.

2,436,740

FILTER MAGNET STRUCTURE

Thomas E. Brooks, Clarinda, Iowa, assignor to Lisle Corporation, Clarinda, Iowa, a corporation of Iowa

Application September 21, 1943, Serial No. 503,220
4 Claims. (Cl. 210-1.5)

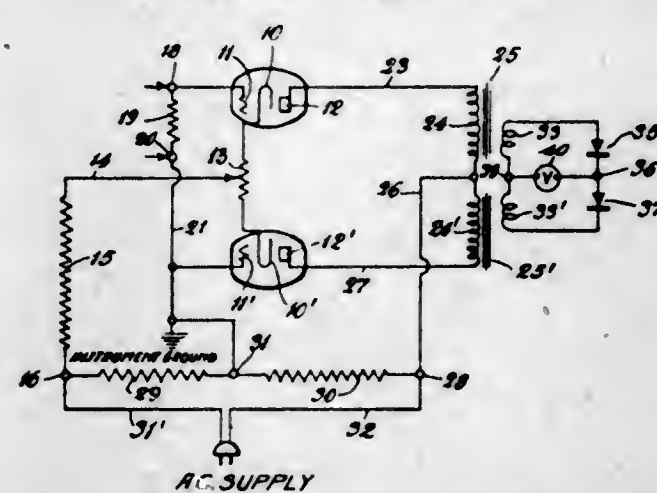


4. For use with a housing through which liquid flows, said housing being connected in a pipe line which is smaller in diameter than said housing; a removable plug for said housing, a plurality of magnets, a frame around each magnet for spacing the magnet from said housing and for spacing the magnets from each other, and flexible means connecting each of said frames to said plug.

2,436,741

VACUUM TUBE VOLTMETER

William H. Bussey, Chicago, Ill., assignor, by mesne assignments, to Robert L. Kahn, trustee
Application August 10, 1945, Serial No. 610,100
6 Claims. (Cl. 171-95)



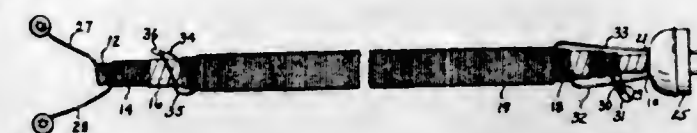
1. A direct current vacuum tube voltmeter system comprising a differential amplifier having a high impedance input circuit to which a potential to be measured is applied and an output circuit, an alternating potential source in said output circuit, said output circuit including a pair of primary windings, secondary windings cooperating with said primary windings and having a step-down ratio, low impedance rectifiers in the circuit of said secondary windings, said secondary windings and rectifiers being connected in

series aiding, said circuit having the general form of a bridge with two points of said bridge normally having no potential difference therebetween when said voltmeter system is balanced and low impedance indicating means connected across said two points, said indicating means having an impedance substantially of the same order as that of the impedance of the arms of the bridge formed by the secondary windings, said low and high impedances being of different orders.

2,436,742

LINE CORD TRANSFORMER

William H. Bussey, Chicago, Ill., assignor, by mesne assignments, to Robert L. Kahn, trustee
Application September 13, 1945, Serial No. 615,989
4 Claims. (Cl. 175-356)

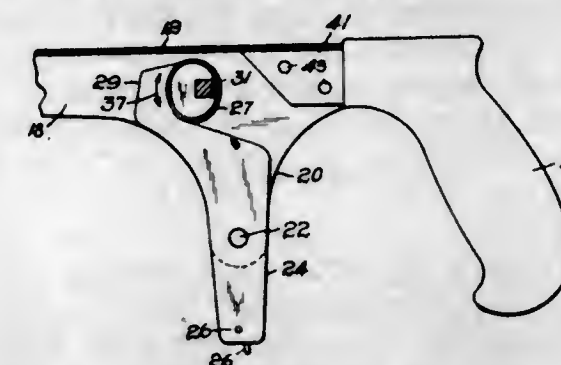


3. A transformer comprising a long thin bundle of flexible magnetizable wire, a plurality of layers of wire helically wound around said wire along the length thereof to form windings and having superposed layers with adjacent layers of opposing pitch, said bundle and windings forming a flexible cord-like structure having a length great in comparison to any transverse dimension, at least one connector anchored to one end of said magnetizable wire, said connector having terminals to which one of the windings is connected for establishing circuit connections, and terminals for the remaining windings at the other end of said magnetizable wire.

2,436,743

SAW FRAME

Andrew H. Carlson, Worcester, Mass., assignor to Parker Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application April 29, 1944, Serial No. 533,348
3 Claims. (Cl. 145-33)

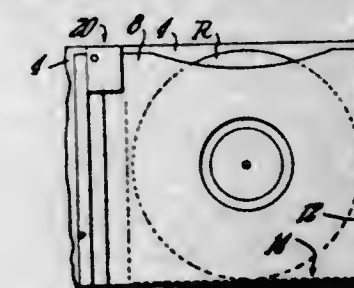


1. A saw frame having a back having a hand grip secured thereto, which back is formed by a channel, the flanges of which are extended at one end of the frame to provide cheek portions, blade-supporting arms extending from the channel at the ends of the back and one of which arms is pivoted intermediate its ends between the cheek portions, a shaft journaled in the flanges of the channel adjacent the upper end of the said one arm, an eccentric on the shaft housed between the flanges and capable of complete and continued rotation and at all times received within the outlines of the flanges, the eccentric opposing the said one arm adjacent its upper end, an end of the shaft projecting to the exterior from one flange, an operating lever at the outer side of the channel fixed to the shaft in oriented position relative to the eccentric and overlying the flange within the outline of its margins when the rise portions of the eccentric oppose the arm.

2,436,744

PHONOGRAPH RECORD ALBUM

Lawrence A. Chouinard, Indian Orchard, Mass.
Application December 4, 1944, Serial No. 566,635
3 Claims. (Cl. 129-20)

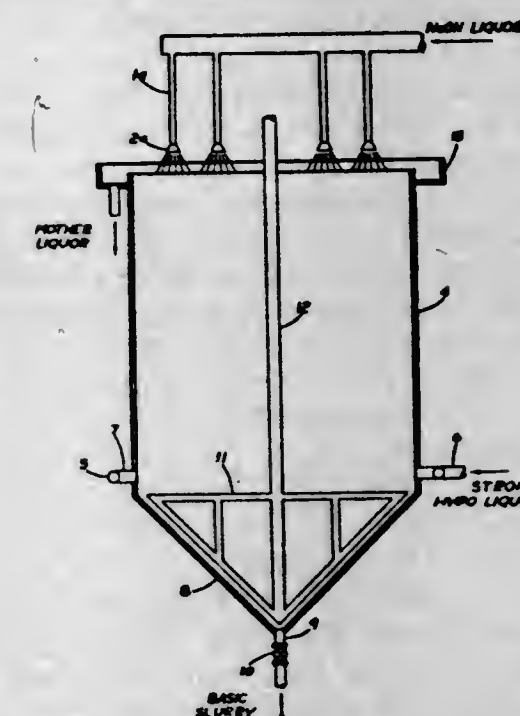


3. The combination of a record album having a plurality of pockets open at their upper sides and hinged together in spaced relation at adjacent sides with means for guiding records into each of said pockets comprising, a guide member having alternate and adjacent slots and record guideways, and means securing said member to said pockets with adjacent side portions of adjacent pockets disposed in the slots thereof and said record guideways extending into the open upper sides of said pockets.

2,436,745

PRECIPITATION OF BASIC CALCIUM HYPOCHLORITE

Richard W. Darbyshire, Trenton, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application May 8, 1944, Serial No. 534,627
5 Claims. (Cl. 23-86)



1. In the manufacture of high test bleach, the steps of reacting an ascending solution of calcium hypochlorite and calcium chloride with alkali metal hydroxide solution of greater density thereby forming solid basic calcium hypochlorite, permitting said solid basic calcium hypochlorite to settle down further through an additional quantity of unreacted ascending solution of calcium hypochlorite and calcium chloride to free it from the liquid phase resulting from the first mentioned reaction step, and withdrawing from the system said solid basic calcium hypochlorite as a slurry in some of the unreacted hypochlorite and chloride solution.

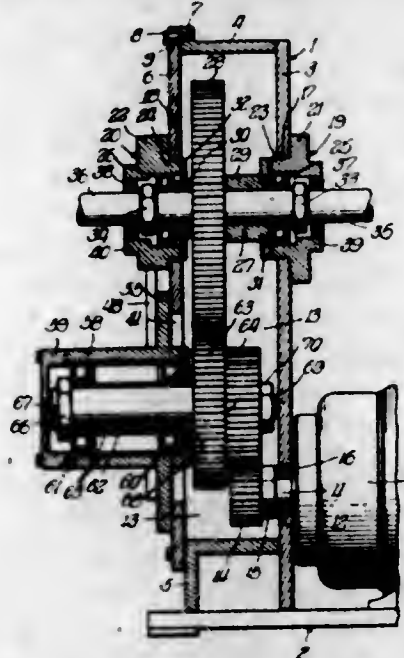
2,436,746

SELECTIVE GEAR REDUCTION UNITS

Charles W. Drought, Berwyn, Ill.
Application July 12, 1943, Serial No. 494,293
6 Claims. (Cl. 74-325)

1. A gear drive of the reduction type of the character described, comprising a base, a motor

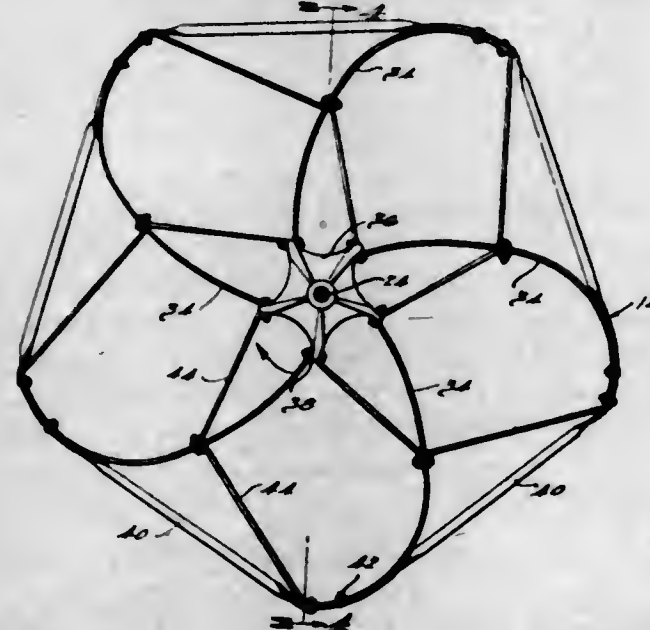
on the base and having a shaft, a driven shaft, a gear housing fixed to the base in line with the motor and having bearing means for rotatably supporting the driven shaft, said housing having spaced forward and rear walls provided with aligned openings through which the driven shaft extends, a driven gear secured to the driven shaft within said housing, said housing being provided with an opening in the rear wall thereof opposite the motor for the extension therethrough of the motor shaft, a driving gear on the motor shaft within said housing, an intermediate gear unit operatively connected to said driven and said driving gears within said housing, the forward wall of said housing being provided with an opening aligned with said gear unit, a cover member for said forward wall opening, an outboard bearing unit carried by said cover member, a shaft journaled in said outboard bearing as the sole support therefor and projecting into said housing for rotatively carrying said intermediate gear unit, and said cover member being adjustable to change the position of said outboard bearing unit and the shaft transversely of said opening for the accommodation of gear units of various speed ratios upon said shaft and in operative driving connection with said driving and driven gears.



ward wall of said housing being provided with an opening aligned with said gear unit, a cover member for said forward wall opening, an outboard bearing unit carried by said cover member, a shaft journaled in said outboard bearing as the sole support therefor and projecting into said housing for rotatively carrying said intermediate gear unit, and said cover member being adjustable to change the position of said outboard bearing unit and the shaft transversely of said opening for the accommodation of gear units of various speed ratios upon said shaft and in operative driving connection with said driving and driven gears.

2,436,747 WIND ROTOR

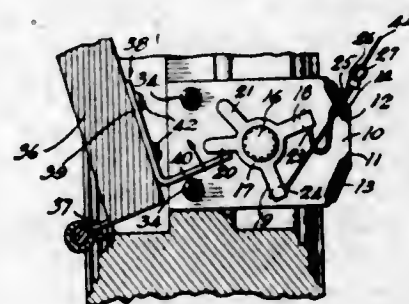
Stanley R. Du Brie, Detroit, Mich., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich., a corporation of Michigan
Application October 28, 1944, Serial No. 560,859
5 Claims. (Cl. 170—36)



1. A windrotor comprising a series of vanes mounted on a hub, each vane having a surface

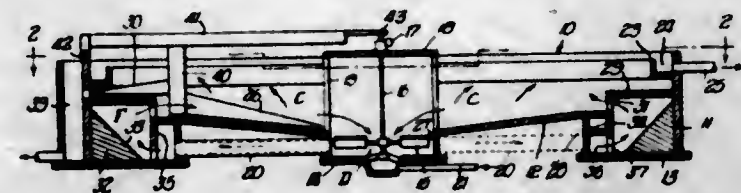
extending outwardly from the axis of rotation of said windrotor, the inner edges of each of said vanes being spaced from each other and from the axis of rotation of said rotor, each of said vanes comprising a curved blade the outer edges of which extend in a direction opposite the wind driven direction of rotation of said rotor so as to present a convex surface toward the wind as said vane moves opposite the direction thereof and a concave surface toward the wind as said vane moves in the direction thereof, the outer portion of said surface being curved on a radius materially less than that of the inner portion, and stress rods between the outer edge of each of said vanes and the intermediate portion of the next vane and between such intermediate portion and the hub of the windrotor.

2,436,748
LIGHT SWITCH CONTROL
John Fanzol, Chicago, Ill.
Application November 15, 1946, Serial No. 709,893
5 Claims. (Cl. 200—54)



1. In a device of the character described, a base plate, a flat member having at least two spaced fingers, means for pivotally mounting said member on said base plate, means on said base plate providing a smooth aperture, a length of stiff cable looped through said aperture with the two ends extending toward said member and attached thereto at spaced points, said member having the two points of attachment of said cable ends oppositely disposed to the fingers of said member, said base plate being adapted to be mounted in a door frame adjacent a door, an actuating member adapted to be attached to said door and to engage said fingers of said member to move the same through suitable angles, said looped cable being adapted to be secured to a pull-chain switch whereby movement of the door will control the condition of said switch.

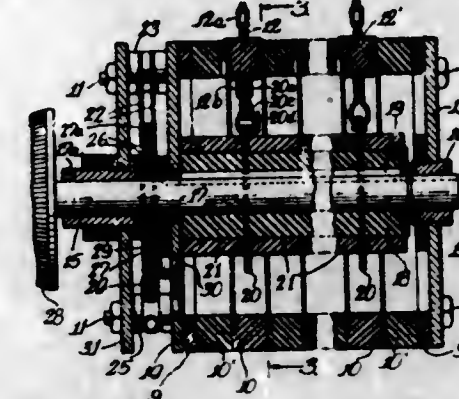
2,436,749
LIQUID TREATMENT TANK WITH CONCENTRIC COMPARTMENTS AND WITH CONDUITS BELOW AN INNER BOTTOM PORTION
John Galandak and Ewald A. Kamp, Chicago, Ill., assignors to Graver Tank & Mfg. Co., Inc., a corporation of Delaware
Application October 23, 1944, Serial No. 560,062
4 Claims. (Cl. 210—16)



1. A liquid treatment tank of large diameter and relatively shallow depth, comprising a peripheral wall; a bottom which comprises an outer, annular bottom portion in contact with the inside of said wall and an inner, substantially flat bottom portion above said outer one; an annular tray inwardly extending from said wall

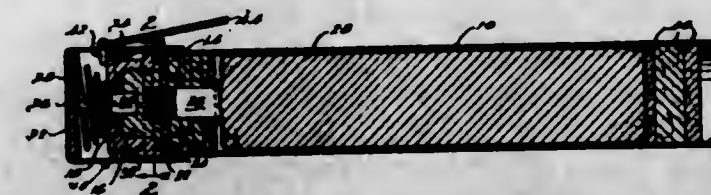
over said outer bottom portion to above but adjacent a peripheral part of said inner bottom portion, to form a depressed annular channel below said tray, a shallow chamber above said tray and inner bottom portion and a passage between said tray and peripheral part; conduits below said inner bottom portion, having inner ends communicating with a central part of the tank and outer ends communicating with said channel; means to pass liquid outwardly through said conduits; inlet means for liquid to be treated and required reagent, discharging into said central part; liquid outlet means at the top of the tank; scraper means adapted to rotate in said shallow chamber and to scrape sludge settled from liquid in said shallow chamber to a localized portion of said shallow chamber; means to rotate said scraper means; and sludge outlet means in said localized portion.

2,436,750
ROTARY SELECTOR SWITCH
Gordon E. Gray, Western Springs, Ill., assignor to Grayhill, Chicago, Ill., a partnership
Application August 17, 1944, Serial No. 549,839
8 Claims. (Cl. 200—11)



1. An enclosed rotary selector switch comprising, a stack of aligned annular rings of insulation material having aligning apertures therein, at least one of said rings being provided with a plurality of angularly spaced radially extending recesses, means extending through said apertures for aligning and securing together said rings, primary contact elements each mounted in predetermined ones of said recesses and including contact portions extending radially inwardly from said one of said rings, and a relatively rotatable secondary contact element disposed within said stack in alignment with the contact surfaces of said primary contact elements, said secondary element being adapted to be in continuous contact with one of said primary contact elements and to selectively engage at least one other primary contact element, said stack of rings providing an enclosing housing for said contacts.

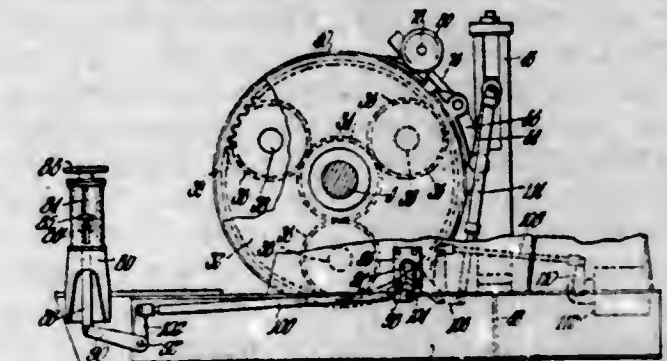
2,436,751
DISCHARGER
Kemper M. Hammell and Frederick K. Comiskey, Detroit, Mich., assignors to Eureka Williams Corporation, a corporation of Michigan
Application February 19, 1945, Serial No. 578,716
2 Claims. (Cl. 102—37.6)



1. A discharger for signals and the like comprising a tubular member having a bore closed at one end thereof, said tubular member having an exterior peripheral groove at the closed end

thereof, a cup-shaped stamped metal member telescopically and slidably associated with the grooved end of said tubular member and having integral inwardly extending springs in the form of prongs projecting into said groove for securing said members against sliding movement in one direction while permitting sliding movement in the other direction relative to one another and with the closed end of said tubular member spaced from the bottom of said cup-shaped member, said cup-shaped member mounting a firing pin in said space and said tubular member having an explosive charge and a detonator therefor positioned to be struck by said firing pin upon actuation thereof occasioned by rapid movement of said cup-shaped member in said other direction relative to said tubular member.

2,436,752
WINCH FOR TOWING AND THE LIKE
Almon A. Johnson, Forest Hills, N. Y.
Application February 17, 1945, Serial No. 578,488
2 Claims. (Cl. 254—172)

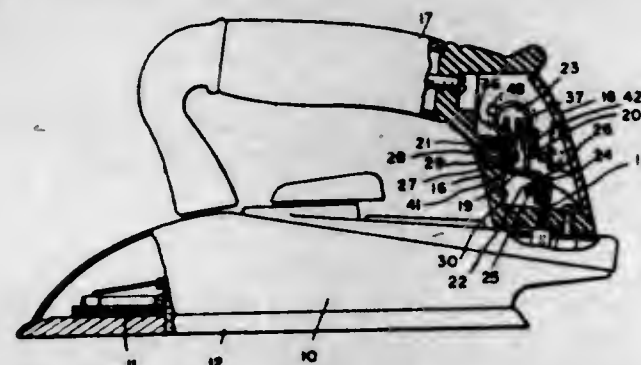


1. A towing winch apparatus comprising in combination, a support, a main shaft rotatable therein, a motor operatively connected to said shaft, a controller for connecting to said shaft, a relatively rotatable cable drum and a brake drum independently rotatable on and relative to said shaft, a sun gear fixed on said shaft in engagement with planet gears rotatable on said cable drum and a gear on said brake drum in engagement with said planet gears whereby a strain on a cable around said cable drum tends to rotate said drum in pay-out direction and through said gears to rotate the brake drum in one direction, a brake band adapted to releasably and frictionally engage and to be rotated in said one direction when engaging said brake drum, yielding means offering resistance to rotation of said brake band in said one direction arranged and adapted whereby said brake band will rotate through certain arcs according to certain strains on the cable, operative connections extending from said brake band to said controller including a movable support having a bell crank pivoted thereto with links connecting said bell crank and said brake band and controller respectively and means for moving said movable member whereby said movable member may be positioned so that said controller may be actuated by various predetermined arcs of rotation of said brake band.

2,436,753
TERMINAL FOR ELECTRICALLY HEATED IRONS
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application May 22, 1944, Serial No. 536,792
2 Claims. (Cl. 173—324)

1. The combination with a housing having an aperture through a side wall thereof and also pro-

vided with a removable closure, electrical terminals within said housing in spaced planes and in registration with said aperture and an attachable service connection comprising a flexible insulated conductor cord, rigid conductor strips connected to the conductors of said cord, a ferrule of molded insulating material surrounding a portion of said flexible cord and having an apertured head portion for the passage of said conductor strips therethrough to hold the latter in spaced relation substantially corresponding to



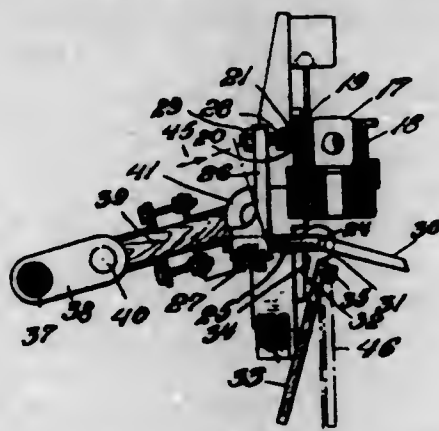
the spacing of said terminals, a flexible insulator sleeve surrounding said ferrule and extended over a portion of said flexible conductor, said sleeve having a portion for fitting into said aperture and a flange adjacent to said portion for abutting against the housing, a fastener having a portion engaging said flange and a prong extending through said aperture and bendable into clinching engagement with the wall of said housing, and clamping screws for centering said rigid conductor strips respectively to said terminals accessible when said closure is removed.

2,436,754

LOOM PROTECTOR ROD ACTUATING MECHANISM

William Languirand, New Bedford, Mass., assignor to Textile Research Co., a corporation of Massachusetts

Application June 6, 1947, Serial No. 753,064
7 Claims. (Cl. 139-347)



1. A loom comprising a lay having a shuttle box at one end thereof, a movable box wall, a protector rod responsive to the movement of said wall to control the loom stop motion and means responsive to the air pressure upon it due to movement of the lay to move said rod to control movement of the box wall.

2,436,755

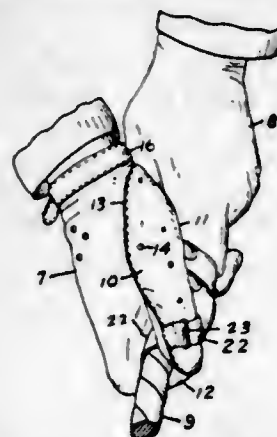
GOLF GLOVE

Edward W. Lapell, Detroit, Mich.

Application January 25, 1946, Serial No. 643,229
6 Claims. (Cl. 2-159)

6. In a golf glove, the combination of a ventilated thumb stall, an index finger stall, a strap secured to one side of said index finger stall near the free end thereof, said strap extending downwardly and then loosely across the outer surface of said thumb stall to the far side thereof, means

to adjustably secure the strap to said thumb stall, an extension element common to both said stalls,



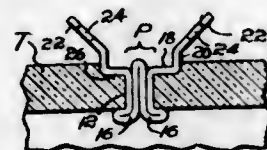
and an adjustable strap to secure the assembly to the wrist.

2,436,756

SOLDERING POST FOR ELECTRONIC EQUIPMENT

William J. Larkin, Lynnfield, Mass., assignor to National Company, Inc., Malden, Mass., a corporation of Massachusetts

Application June 7, 1945, Serial No. 598,049
2 Claims. (Cl. 173-324)



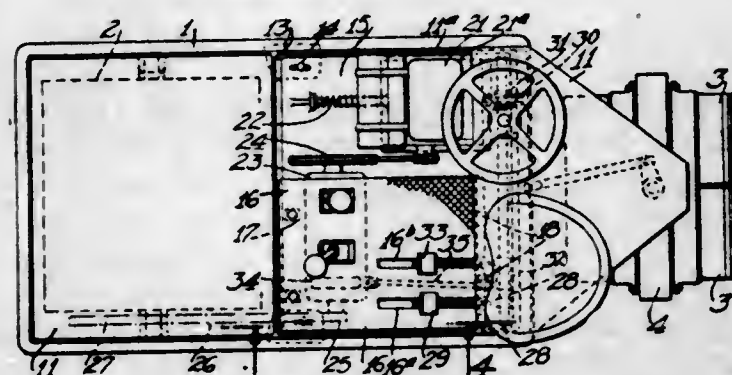
1. A soldering post adapted for the connection of leads in electronic apparatus in confined spaces or close groupings comprising a single strip of flat metal bent and rebent to provide a shank of four closely arranged lengths, the outer lengths being outwardly bent to define shoulders and extended to provide soldering lugs, the central lengths extending upwardly beyond said shoulders, the shank being insertable in a hole in the manner of an inscribed rectangle to have the lower ends of the shank clinched over the interior margin of the hole on downward thrust of the central lengths.

2,436,757

PACKING ROLLER

William Hurst Lewis, Altadena, Calif.

Application November 3, 1943, Serial No. 508,834
5 Claims. (Cl. 180-20)



5. In a roller of the class described, a frame, packing rollers on which the frame is mounted, a base plate removably and adjustably mounted on the frame, a transmission mechanism mounted on the base plate, driving means between the transmission mechanism and one of the rollers for driving said roller, an engine mounted laterally adjacent the transmission mechanism on the base plate for shifting movement longitudinally thereof, a driving belt between the engine and transmission mechanism, said longitudinal shifting movement of the engine effecting tightening and loosening of the belt, a first control means adapt-

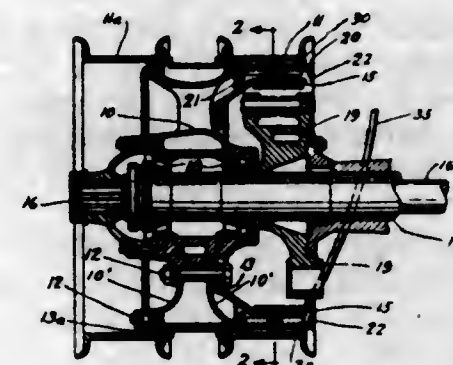
ed to shift the engine, braking means for arresting the operation of the transmission means, and a second control means for actuating the brake means.

2,436,758

BRAKE DRUM COOLING DEVICE

Clifford V. Middleton, Concrete, Wash.

Application February 19, 1945, Serial No. 578,622
8 Claims. (Cl. 188-264)



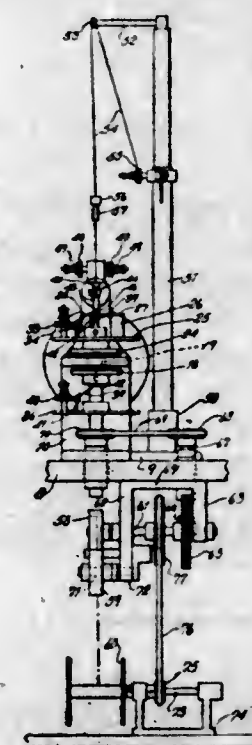
1. A cooling water-retaining casing for a vehicle brake drum, comprising an annular trough-like member of greater diameter and width than the brake drum and including a peripheral wall and inwardly projecting side walls carried by the peripheral wall, and means to secure the casing in surrounding relation to and upon the brake drum.

2,436,759

SPANGLE SLINGING MACHINE

Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, a corporation of Maine

Application July 24, 1945, Serial No. 606,863
10 Claims. (Cl. 223-48)



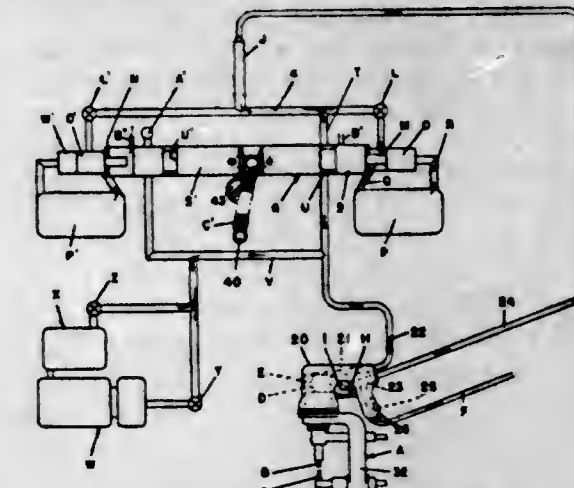
1. A spangle slinging machine for arranging securing the spangles so arranged on a filling spangles in overlapping flatwise relation and cord, which machine comprises in combination a spangle stripper plate for separating spangles individually and consecutively from coaxially arranged spangles, means for guiding the spangles separated by the stripper plate at substantially right angles to the coaxially arranged spangles, means for guiding the filling cord adjacent the spangles separated by the stripper plate, and means for winding a wrapping thread about the filling cord on each side of each separated spangle.

2,436,760

CONTROL VALVE UNIT FOR WELDING APPARATUS

Henry T. Platz, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Original application August 10, 1936, Serial No. 95,244, now Patent No. 2,372,850, dated April 3, 1945. Divided and this application April 3, 1944, Serial No. 529,309.
6 Claims. (Cl. 137-145)



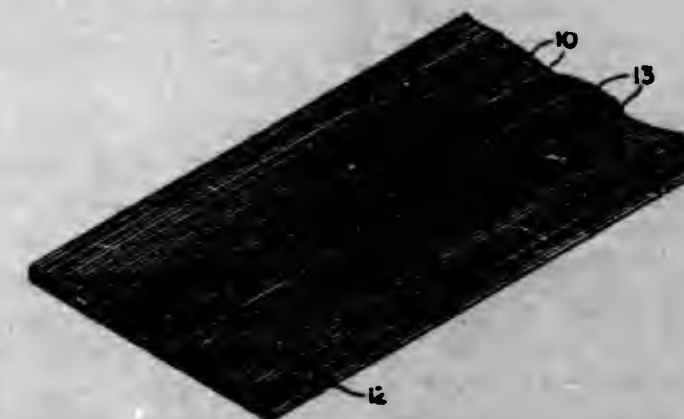
1. A control valve for repeatedly operating a welding device, comprising a cylinder having a port intermediate the ends communicating with a supply passage for fluid under pressure and having an opposed outlet port communicating with a delivery passage, plunger means slidably supported in the cylinder for alternately opening and closing said ports upon movement in opposite directions in the cylinder, fluid pressure means for moving the plunger in opposite directions including chambers respectively positioned at opposite ends of the plunger means and respectively having intake ports communicating with a source of fluid under pressure, members respectively slidably mounted in the chambers for controlling the intake ports and alternately operated by the plunger means to open the intake ports upon movement of the plunger means in directions toward said members, fluid pressure means for operating said members to close the intake ports upon movement of the plunger means in directions away from the members, and means for venting the fluid under pressure from one of the chambers while fluid under pressure is admitted to the other chamber and for venting the latter chamber while fluid under pressure is admitted to the former chamber.

2,436,761

TEXTILE PRINT BLANKET

William C. Ross and Stephen B. Nelley, Winchester, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

Application October 24, 1944, Serial No. 560,176
3 Claims. (Cl. 154-54.5)



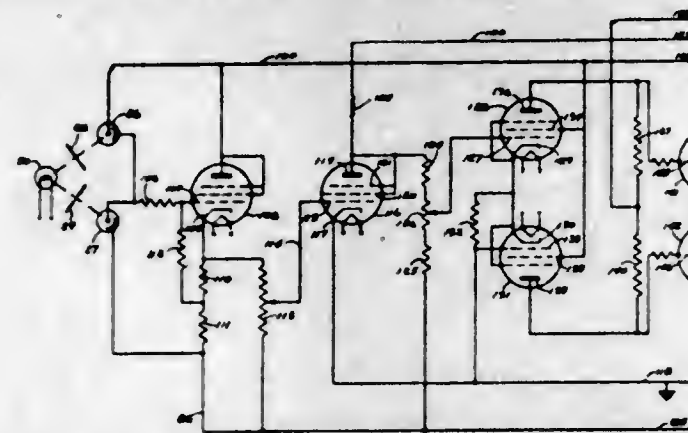
1. The improved blanket for textile printing machines, the printing surface of which is com-

posed of substantially continuous alternating ridges and grooves extending generally lengthwise of the blanket and affording a barrier against transverse travel of the printing color beneath the goods being printed.

2,436,762

ELECTRONIC CONTROL APPARATUS

John J. Turin and Ralph Hanna, Toledo, Ohio, assignors to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application January 16, 1947, Serial No. 722,304
3 Claims. (Cl. 250-41.5)



1. In an apparatus for translating small changes in light transmission into relay operating current, in combination, a pair of series connected photocells that are exposed through different light transmission paths to a common light source, a multistage direct coupled amplifier for converting changes in potential of the common connection between the photocells into amplified potentials having push-pull characteristics, a trigger circuit connected to the amplifier output, said trigger circuit having two stable operating conditions between which it instantly transfers when the amplifier output potential passes certain values, and a relay circuit that is operated while the trigger circuit is in a particular one of its two stable conditions.

2,436,763

WRITING INSTRUMENT

Russell T. Wing, Excelsior, Minn.
Application March 23, 1946, Serial No. 656,627
13 Claims. (Cl. 120-42)



1. In a writing instrument, a first member, a second member adapted to be detachably coupled to said first member, said members being relatively rotatable about a common axis and separable, when uncoupled, by relative movement lengthwise of said axis, said first member having a shoulder trending circumferentially of said

axis, said second member having a spring-pressed element adapted to cooperate with said shoulder to latch said members together axiswise when said members are brought together, said first member having a cam surface adjacent said shoulder which is operative, in response to relative rotation of said members about said axis, to lift said element out of the path of said shoulder whereby to unlatch said members and thus enable separation thereof.

2,436,764

STABILIZATION OF FURAN

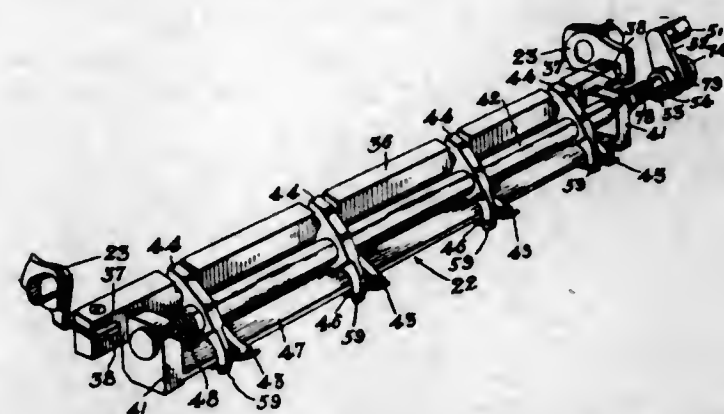
Harry B. Copelin, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1946, Serial No. 665,903
2 Claims. (Cl. 260-345)

1. The method of stabilizing furan which comprises incorporating therein 0.01 to 1.0% of pyridine by weight.

2,436,765

GRIPPER MECHANISM FOR PRINTING PRESSES

William Ward Davidson, Evanston, and Nils Trydal and Frank J. Breman, Chicago, Ill., assignors to Davidson Manufacturing Corporation, a corporation of Illinois
Application September 11, 1944, Serial No. 553,518
13 Claims. (Cl. 101-232)



2. A gripper unit for printing presses and the like including a pivotally mounted shaft biased in a given angular direction, anvil means pivotally mounted on the shaft and biased in the same angular direction, grip finger means fast on the shaft, means limiting the biased movement of the anvil means so that the biased movement of the grip fingers opens the grippers, and control means for pivoting the shaft in the opposite direction to close the grip finger means upon the anvil means.

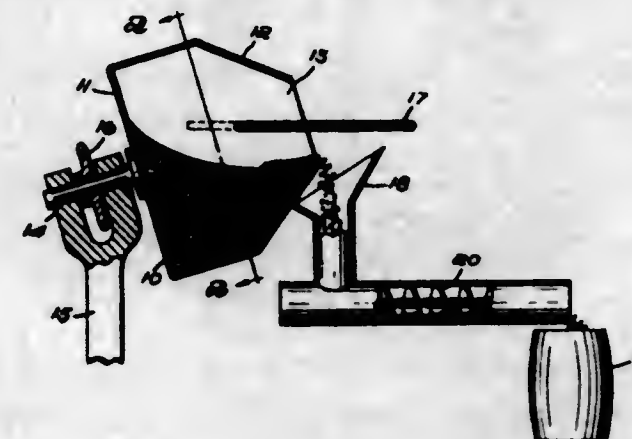
2,436,766

METHOD OF MAKING PELLETS

Walter M. Davis, Jamaica Plain, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application July 19, 1943, Serial No. 495,385
6 Claims. (Cl. 23-313)

1. The method of continuously forming pellets of phthalic anhydride and like substances having a sharp crystallizing point which comprises initially supplying a predetermined quantity of said substance in finely divided form to a rotary drum of the type which rotates about an axis not inclined more than about 30° from the horizontal, continuously rotating said drum at such speed that the mass of solids rides up the up-moving sidewall of the drum to the upper portion thereof and falls over inwardly, thereby

forming in the central portion of the tumbling mass a region of relatively low particle concentration and relatively restricted circulation containing primarily the relatively lighter and finer particles in the mass, and continuously feeding an additional quantity of said substance in molten form to said drum at a point within said region and at such a rate as to provide a relatively plastic zone within the mass without supplying additional finely divided solid particles, said finer particles being coated with said molten material

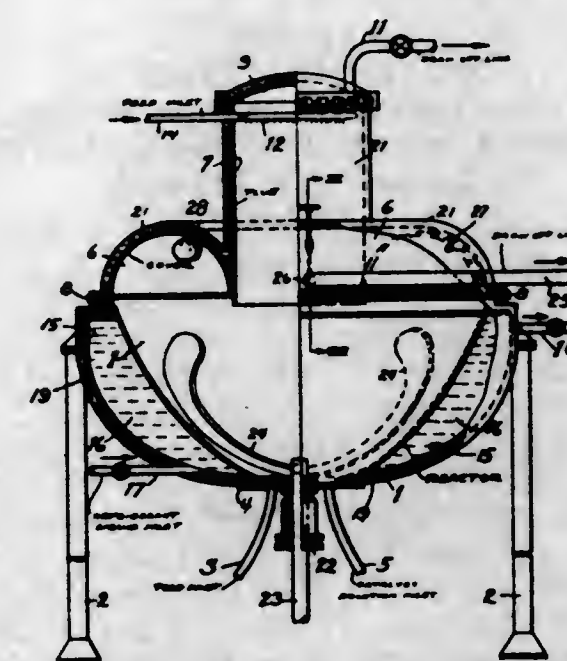


and formed into pellets while circulating in said zone and before appreciably commingling with the heavier and coarser particles in the outer faster moving portions of the mass, said zone being maintained at a temperature below the melting point but not more than about 30° C. below the melting point of said substance, whereby relatively hard, dense and smooth-surfaced pellets of crystalline structure are formed from said coated particles and additional crystalline fines are created out of said molten material forming the nuclei for additional pellets.

2,436,767

LOW-TEMPERATURE POLYMER PRODUCTION

Robert A. Gerlicher, Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application December 31, 1941, Serial No. 425,066
5 Claims. (Cl. 260-94)

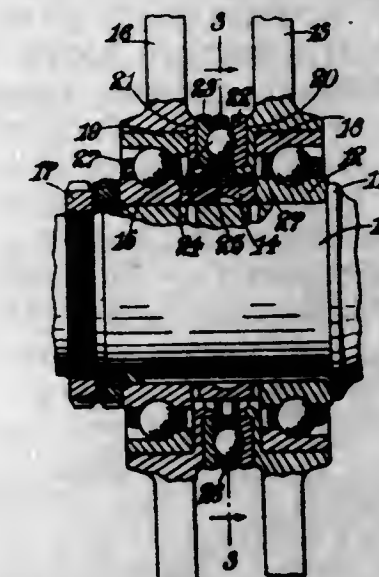


1. A polymerization process for the polymerization of liquid, olefinic material to solid polymers at temperatures within the range between 0° C. and -110° C. comprising the steps in combination of liquefying and cooling an isobutylene-containing material to a temperature within the range between 0° C. and -110° C., stirring the isobutylenic material through a helical cardioid path, returning the stirred liquid to the center

of the cardioid path for recirculation, venting volatilized gases from the stirred isobutylene-containing material through a central path from the returned liquid, past a free-falling, non-splashing stream of isobutylene-containing material, feeding to the circulating stream of isobutylene-containing material, while traveling in the helical cardioid path, a supply of Friedel-Crafts polymerization catalyst in fluid form to polymerize at least a portion of the isobutylene-containing material to a solid polymer, and preventing obstruction of the circulating path during the polymerization reaction by the free-falling, non-splashing character of the helical cardioid stream through its return for recirculation.

2,436,768
BEARING

Alan Arnold Griffith and Donald Eyre, Derby, England, assignors to Rolls-Royce Limited, Derby, England, a British company
Application August 12, 1943, Serial No. 498,416
In Great Britain January 7, 1941
3 Claims. (Cl. 308-174)



1. In a bearing assemblage, the combination of a shaft, a pair of rotors mounted thereon for rotation in opposite directions, a first radial-and-thrust-bearing comprising an inner race on said shaft and an outer race, one of said rotors being mounted on said outer race, a second radial-and-thrust-bearing comprising an inner race on said shaft and an outer race, the second rotor being mounted on said second outer race, means applying axial pressure on said inner races toward one another, a thrust-bearing comprising two opposed races between said outer races, balls between said two opposed races and a cage locating said balls, said cage being formed with radially elongated slots to receive said balls.

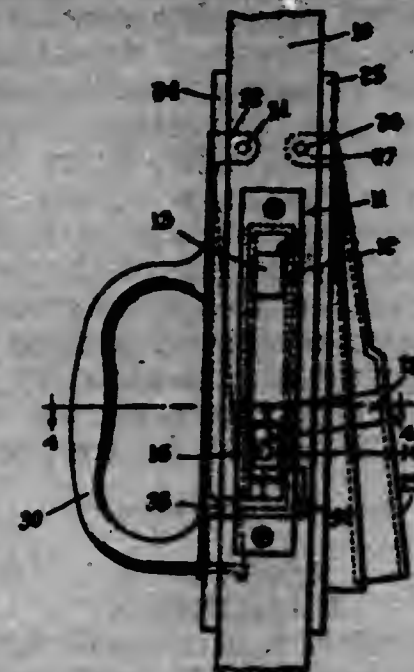
2,436,769

DOOR LATCHING MECHANISM

James H. Hardie, Montreal, Quebec, Canada, assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada
Application March 18, 1946, Serial No. 655,036
1 Claim. (Cl. 292-170)

A door locking mechanism of the push-pull handle type comprising a sliding latch bolt provided with upper and lower inclined cam surfaces facing toward the head end of said bolt, a push plate arranged on one side of the door provided with an arm terminating in an inclined surface adapted to coact with said upper cam surface to retract said bolt when the push plate is forced inwardly, and a pull handle arranged on the opposite side of the door provided with an arm extending beneath said bolt having an upwardly

projecting key provided with an inclined surface adapted to act against said lower cam surface to



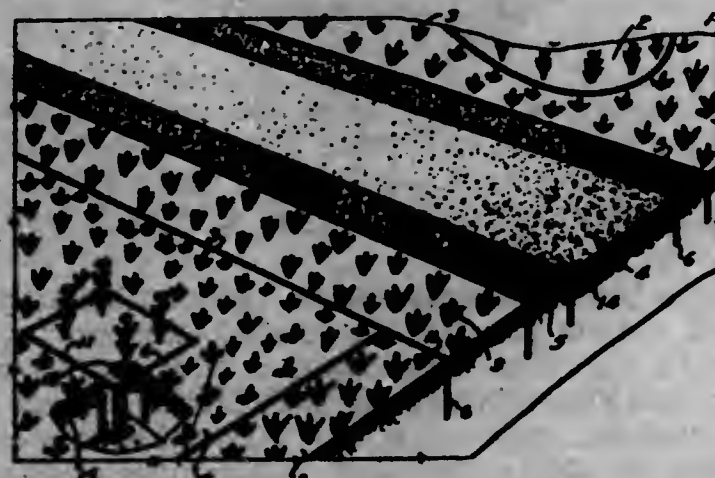
retract said bolt when the pull handle is pulled outwardly.

2,436,770

GARDEN AND APPARATUS FOR SEPARATING THE SOILS AND PLANTS THEREIN

Irving Hill and Walter Nelson, Lawrence, Kans., assignors of one-third to Margaret Hill Ravnadal, Washington, D. C., one-third to Elspeth Hill Cowgill, Louisville, Ky., and one-third to Justin D. Hill, Lawrence, Kans.

Application September 4, 1943, Serial No. 501,238
2 Claims. (Cl. 47-33)



1. In a garden, a plurality of garden beds having various plants therein, and an asphalt treated fiber board arranged edgewise around the beds and extending from the ground level to below the normal root depth of said plants, said board having outer surfaces and transverse corrugations therebetween forming vertical openings for subsurface drainage of surface water from said beds.

2,436,771

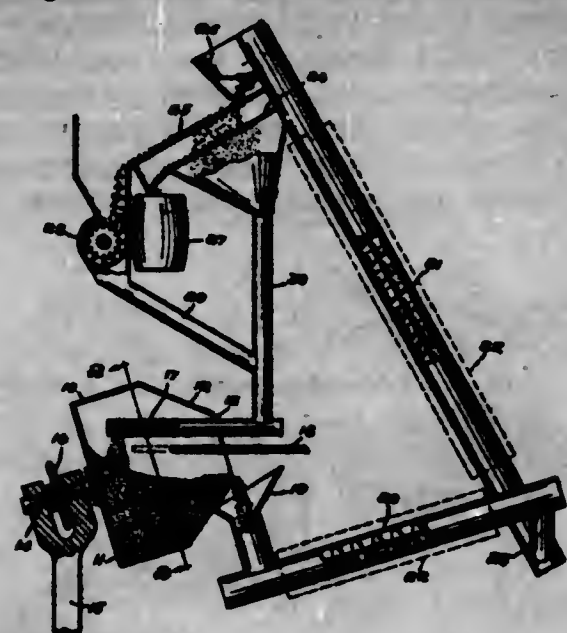
METHOD OF MAKING PELLETS

Ralph S. Hood, Danvers, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application July 19, 1942, Serial No. 495,384
5 Claims. (Cl. 22-313)

1. The method of continuously pelleting finely divided solids which comprises initially supplying a mass of such solids to a rotary drum of the type which rotates about an axis not inclined more than about 30° from the horizontal, continuously rotating said drum at such a speed that the mass of solids rides up the upmoving side wall of the drum to the upper portion thereof and falls over inwardly, thereby forming a relatively sparsely filled region of relatively restricted circulation in the central portion of the rotating

mass, continuously supplying additional finely divided solids and a liquid to said drum, said liquid being fed into said drum at a point below the surface of the rotating mass and within the region of relatively restricted circulation and being sup-



plied in an amount with relation to the supply of solids to provide a plastic zone within the mass, whereby smooth-surfaced and relatively hard pellets are formed while out of direct contact with the walls of the drum.

2,436,772

SOLVENT FOR DEGREASING IRON AND ALUMINUM

Walter Klabunde, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 24, 1945,
Serial No. 612,552

3 Claims. (Cl. 252-171)

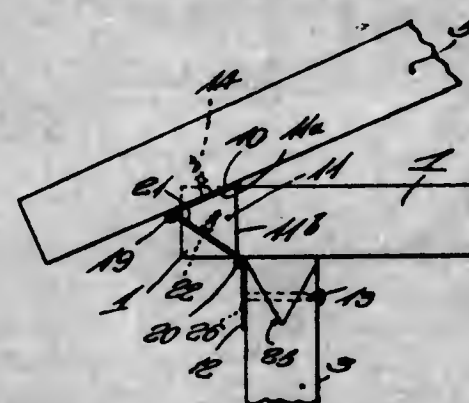
1. A solvent for degreasing iron and aluminum comprising trichlorethylene containing 0.02 to 1% by weight of an alkyl ester of a nitrogen acid selected from the group consisting of alkyl nitrates containing 2 to 4 carbon atoms and alkyl nitrites containing 3 to 6 carbon atoms, said ester serving to inhibit the condensation reactions of trichlorethylene catalyzed by the aforesaid metals.

2,436,773

DRAWING TABLE

Walter Lambert, Yakima, Wash.
Application August 9, 1945, Serial No. 609,841

2 Claims. (Cl. 311-38)



1. A table comprising a multiplicity of flat coextensive sections including a pair of stationary portions and a central movable portion, rail members supporting said portions, one of said rail members having angularly disposed recesses in spaced positions adjacent the top edge thereof, multiple section hinges interconnecting said rail member and the central movable portion of the table, each of said multiple section hinges including a section attached to said rail and a section attached to said central movable portion, an in-

intermediate section pivotally connected at opposite ends with the aforesaid sections and a triangularly shaped block carried by each of said intermediate sections, said blocks being movable out of the angularly disposed recesses in said rail member for supporting the section of the hinges connected to the central portion of the table and being movable into the recesses for substantially supporting said central movable portion in alignment with said stationary portions.

2,436,774

METHOD AND CATALYSTS FOR THE PRODUCTION OF ALKENYL CYANIDES

Howard S. Nutting and Arthur E. Sexton, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application September 24, 1943,
Serial No. 503,664

15 Claims. (Cl. 260-464)

1. In a method for the dehydration of a beta-hydroxy-alkyl cyanide to form an alkenyl cyanide, the step of carrying the reaction out in the presence of a mixture of appreciably soluble salts of aluminum and tin as a catalyst while distilling the alkenyl cyanide from the reaction mixture as it is formed.

9. A catalyst for the dehydration of a beta-hydroxy-alkyl cyanide to form an alkenyl cyanide, which catalyst consists essentially of salts of tin and aluminum in relative proportions such as to contain between 5 and 50 per cent by weight of tin, based on the combined tin and aluminum content of said salts, at least one of said salts being a salt of an organic carboxylic acid.

2,436,775

SIMPLIFIED FEED UNIT FOR SERIALY CONNECTED WIRING UNITS

Joseph F. O'Brien, Lebanon, and Earl S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application November 25, 1944, Serial No. 565,148
2 Claims. (Cl. 173-334.1)

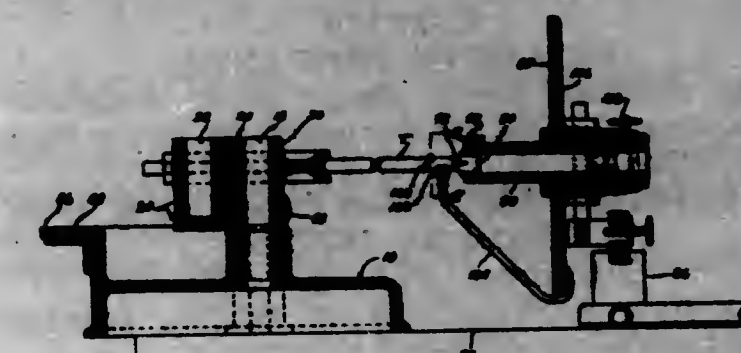


1. A back connection electrical feed unit comprising a base having an opening therein for the passage therethrough of the leads of a power source, and further having longitudinal grooves for the reception freely therein of electrical conductors, a body member having a floor provided with openings for the passage therethrough respectively of the leads of a power source, and longitudinal grooves in the bottom of said floor complementing with said longitudinal grooves of said base in the reception freely of the electrical conductors, binding posts mounted in said base respectively in alignment with said longitudinal grooves of said base and projecting through said floor, electrical conductors freely disposed in said complementary longitudinal grooves and freely engaging said binding posts, means for connecting the leads of such power source to said binding posts, and fastening means passing through the floor of said body member and said base for jointly securing said electrical conductors in position in said complementary longitudinal grooves and the feed unit as an entirety at a suitable support.

2,436,776

REVERSIBLE TUBE BENDER WITH SIDE ANGLE INDICATOR

Thomas V. Fearson and Maynard Lakewood, Akron, Ohio, assignors to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application March 17, 1944, Serial No. 526,378
11 Claims. (Cl. 153-40)



2. The combination with a tube bender of a side angle indicator having a rotatable dial, a shaft fixed to and supporting this dial, and a knife edge diametrical to and attached to the front of said shaft for loosely engaging a diametrically slotted end of a tube to be bent for the purpose of indexing the side angle between bends of the tube.

9. The combination with a reversible tube bender, including a base, of a center pivot in said base, a short lever turnable about said pivot, a bending lever adapted for bending a tube, a second pivot swingably connecting one end of said bending lever with the free end of said short lever, and means releasably coupling said levers together into a rigid relationship in either one of two opposite positions so that they can be swung as a unit about said center pivot for making right and left turn bends, respectively.

2,436,777

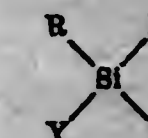
ORGANOFLUOROSILANES AND METHOD OF MAKING SAME

Donald E. Fletcher and Howard S. Nutting, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application May 30, 1945,
Serial No. 596,812

10 Claims. (Cl. 260-607)

1. An organo-fluorosilane having the general formula:



wherein R represents an alkyl radical, Y represents an alkyl radical and Z represents a halogen other than fluorine.

2,436,778

PROCESS FOR PREPARING ALUMINA

Henry A. Pray and Charles L. Faust, Columbus, Ohio, and Frederic C. Jelen, Syracuse, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, a corporation of the United States

No Drawing. Application May 10, 1945,
Serial No. 593,098

7 Claims. (Cl. 22-142)

3. A method for obtaining alumina from a potassium alum, which includes forming a melt of the alum hydrate, dispersing a water-soluble inorganic sodium salt in the alum melt, adding thereto substantially anhydrous seeds of a solidified melt comprising a mixture of alum and water-

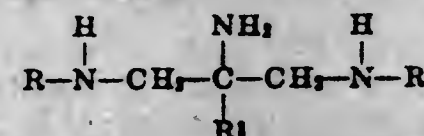
soluble inorganic sodium salt, said seeds containing sodium salt in the same ratio of sodium to the alum as the melt to which they are added, dehydrating the mixture thus formed, and calcining the dehydrated product to a point short of incipient fusion to form alumina.

2,436,779

TRIAMINO PROPANES

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application December 8, 1944, Serial No. 567,325
3 Claims. (Cl. 260-583)

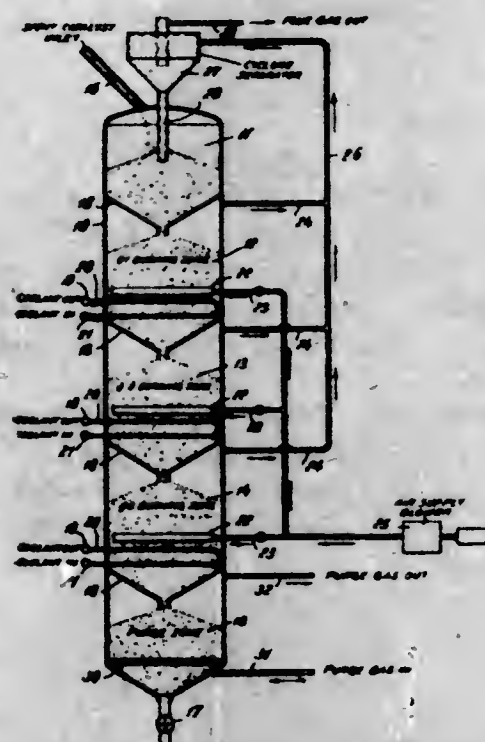
1. As new compositions of matter triamines having the following general formula:



wherein R represents alkyl groups, and R¹ represents a member selected from the group consisting of alkyl and phenyl.

2,436,780

METHOD FOR HANDLING A CONTACT MASS
Thomas P. Simpson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 17, 1942, Serial No. 447,433
7 Claims. (Cl. 252-242)

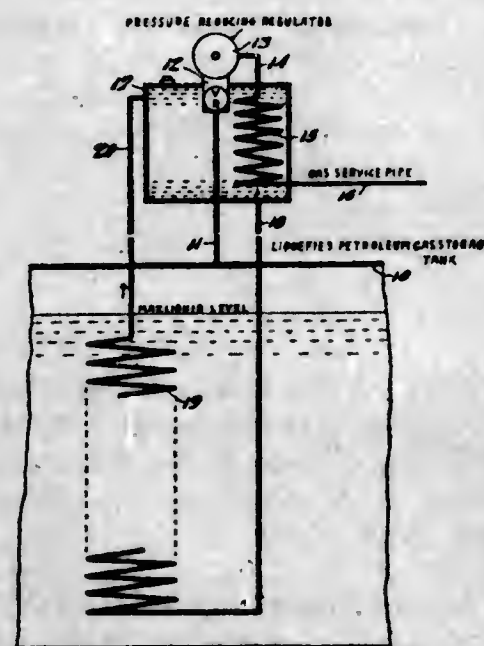


1. The process of regenerating a granular form solid which has been used as a hydrocarbon con-

version catalyst and is contaminated by a carbonaceous deposit resulting from such use which comprises passing said solid as a substantially compact mass of downwardly gravitating solid granules, through a plurality of burning zones, passing said solid through a heat exchange zone intermediate each two successive burning zones, passing in direct contact with said solid in each of said burning zones only a controlled amount of preheated air, withdrawing resulting regeneration gases from each burning zone and discarding said regeneration gases while excluding the flow of said regeneration gases from one burning zone into another, and passing a fluid heat exchange medium in indirect heat exchange relationship with said solid in each of said heat exchange zones, substantially in the absence of air flow through said solid.

2,436,781

METHOD OF AND APPARATUS FOR DISPENSING LIQUEFIED PETROLEUM GAS
Lloyd J. White, San Antonio, Tex., assignor to Southern Steel Company, San Antonio, Tex., a corporation of Texas
Application March 8, 1944, Serial No. 523,582
5 Claims. (Cl. 62-1)



4. Apparatus for dispensing liquefied petroleum gas comprising, in combination, a pressure storage tank; a conduit connected to the tank to deliver fuel therefrom; a pressure reducing valve for reducing the pressure of the fuel; a heat exchanger carrying a liquid heating medium submerging the casing of the pressure reducing valve; and a conduit connected to the heat exchanger and arranged in heat exchanging contact with the contents of the storage tank to cause the liquid heating medium to circulate through the heat exchanger.

DESIGNS

FEBRUARY 24, 1948

148,740

DESIGN FOR A CABINET FOR AUTOMATIC PHOTOGRAPHIC APPARATUS
Philip S. Aller, Long Beach, Calif.
Application August 9, 1947, Serial No. 140,788
Term of patent 14 years
(Cl. D61-1)

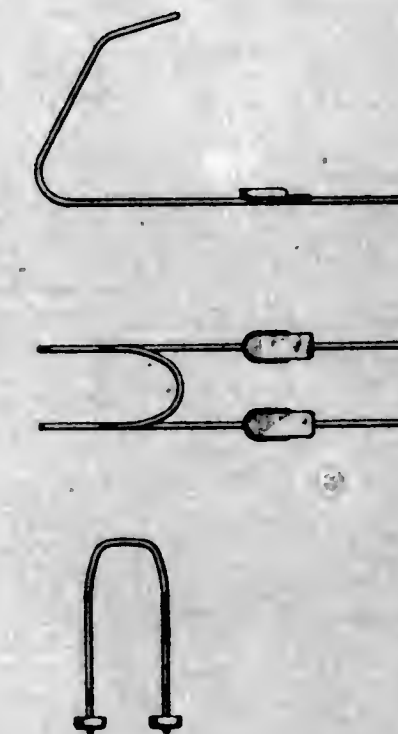


The ornamental design for a cabinet for automatic photographic apparatus, as shown.

148,741

DESIGN FOR A SKI SLED OR SIMILAR ARTICLE

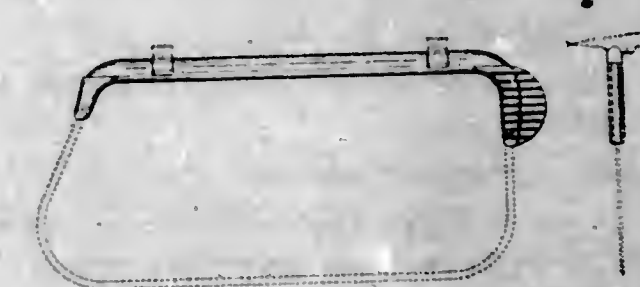
Chester Sig Anderson, St. Charles, Ill.
Application September 27, 1946, Serial No. 133,618
Term of patent 14 years
(Cl. D34-15)



The ornamental design for a ski sled or similar article, substantially as shown.

148,742

DESIGN FOR AN AUTOMOTIVE VISOR OR SIMILAR ARTICLE
Charles A. Baratelli, Newton, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 1, 1947, Serial No. 136,623
Term of patent 7 years
(Cl. D14-6)

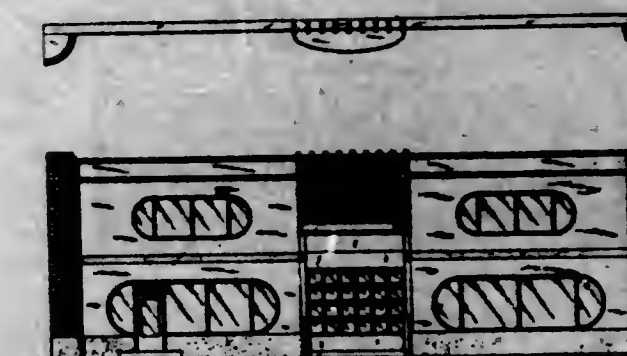


The ornamental design for an automotive visor or similar article, substantially as shown and described.

148,743

DESIGN FOR A BUILDING FRONT

Harry B. Barrett, St. Louis, Mo.
Application September 23, 1946, Serial No. 133,499
Term of patent 14 years
(Cl. D13-1)

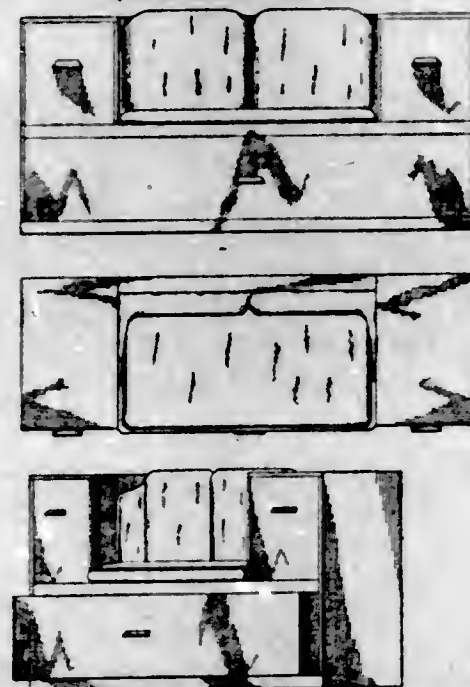


The ornamental design for a building front, substantially as shown.

148,744

DESIGN FOR A COMBINATION CHAIR AND CHEST

Harold P. Bennett, West New York, N. J.
Application September 20, 1946, Serial No. 133,440
Term of patent 7 years
(Cl. D15—11)

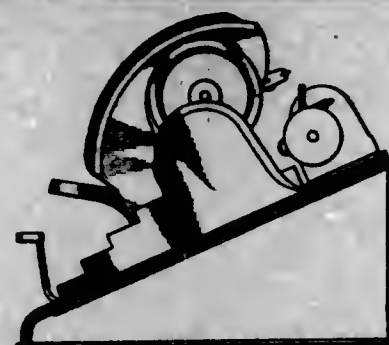
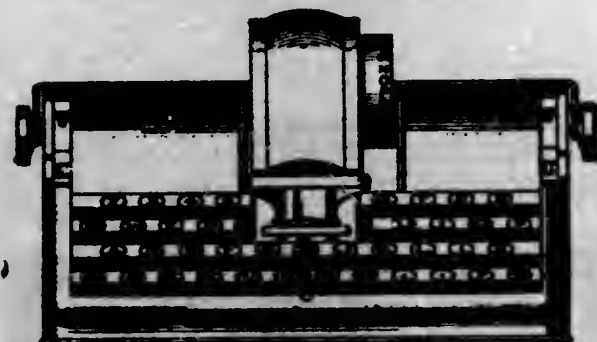
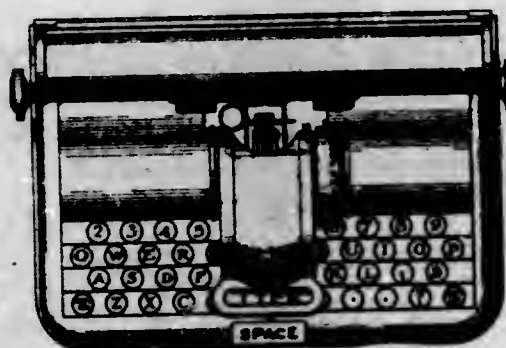
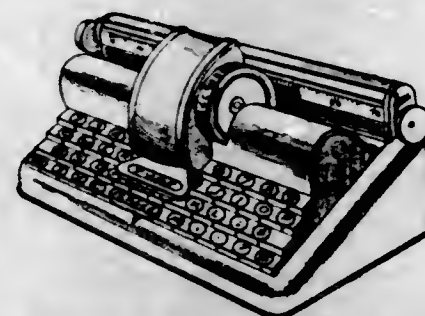


The ornamental design for a combination chair and chest, as shown.

148,745

DESIGN FOR A TOY TYPEWRITER

Samuel I. Berger, Newark, N. J.
Application November 26, 1946, Serial No. 135,116
Term of patent 14 years
(Cl. D34—15)

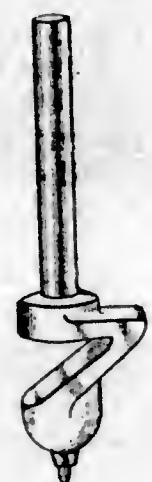


The ornamental design for a toy typewriter, substantially as shown.

148,746

DESIGN FOR A PHONOGRAPH NEEDLE

John Walter Berggren, Chicago, Ill.
Application February 25, 1946, Serial No. 126,873
Term of patent 14 years
(Cl. D26—14)

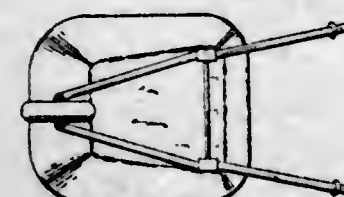
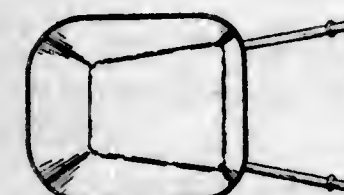
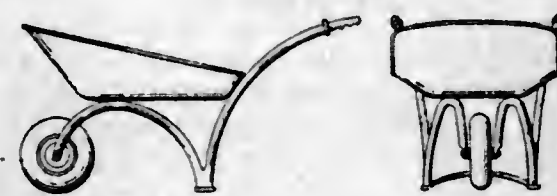


The ornamental design for a phonograph needle, substantially as shown and described.

148,747

DESIGN FOR A WHEELBARROW

Gabriel C. Berker, Atherton, Calif.
Application October 23, 1946, Serial No. 134,187
Term of patent 3½ years
(Cl. D14—3)

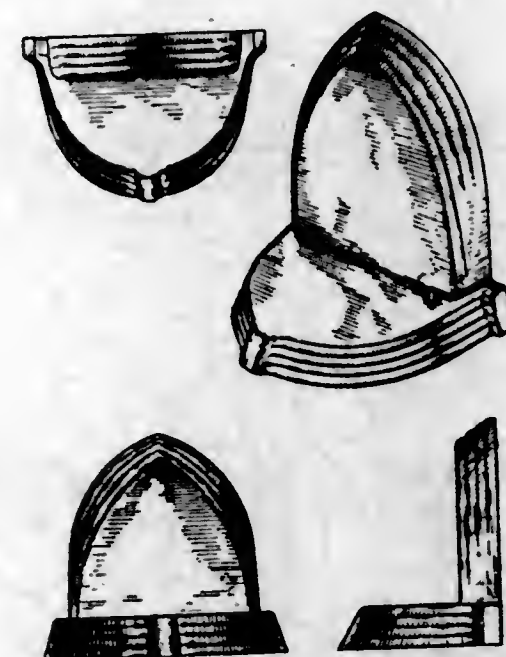


The ornamental design for a wheelbarrow, substantially as shown.

148,748

DESIGN FOR A BOOK END

Boris Blecher, Philadelphia, Pa.
Application November 1, 1946, Serial No. 134,440
Term of patent 14 years
(Cl. D33—1)

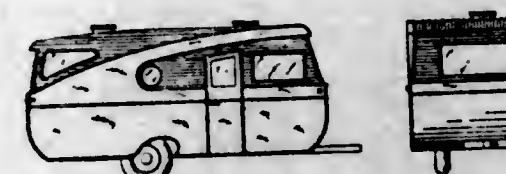
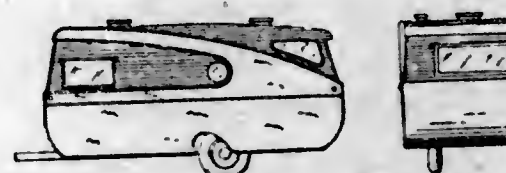


The ornamental design for a book end, as shown.

148,749

DESIGN FOR A TRAILER

James E. Boldt, Richmond, Calif., assignor to California Trailer Company, El Cerrito, Calif., a copartnership composed of Preston Perdue and Edwin Gilbert
Application November 16, 1946, Serial No. 134,823
Term of patent 3½ years
(Cl. D14—3)

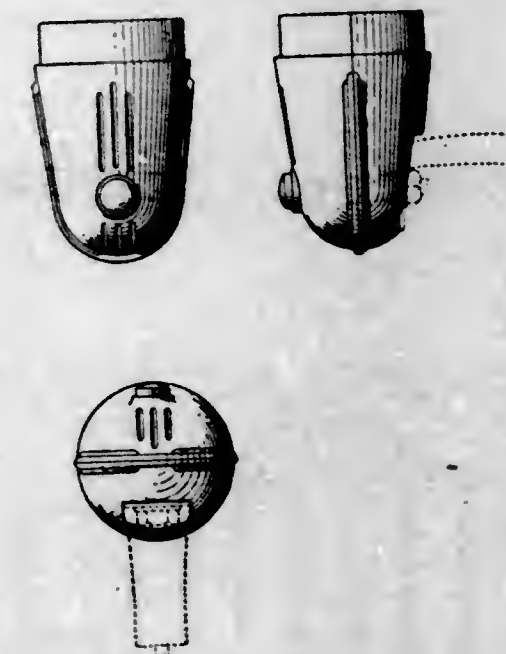


The ornamental design for a trailer, substantially as shown.

148,750

DESIGN FOR A BRACKET LAMP SOCKET

Charles Forest Bookman, Jr., University Heights, and Zia H. Jamme, Cleveland, Ohio, assignors to Railley Corporation, Cleveland, Ohio, a corporation of Ohio
Application May 3, 1946, Serial No. 129,266
Term of patent 14 years
(Cl. D48—4)



The ornamental design for a bracket lamp socket, substantially as shown.

148,751

DESIGN FOR A PIN OR SIMILAR ARTICLE

Marcel Boucher, New York, N. Y.
Application February 11, 1947, Serial No. 136,825
Term of patent 7 years
(Cl. D45—19)

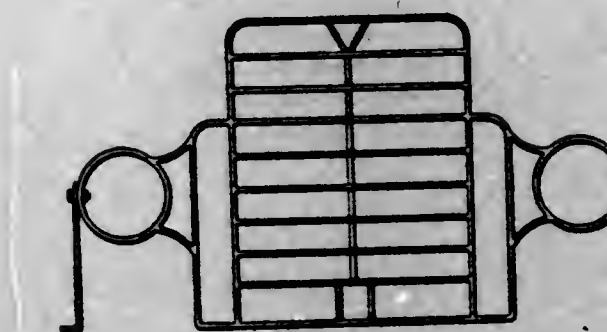


The ornamental design for a pin or similar article, substantially as shown.

148,752

DESIGN FOR AN AUTOMOBILE RADIATOR GUARD

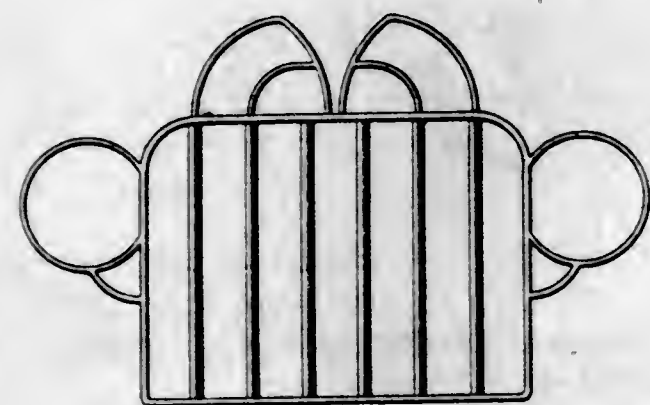
Leopold Bustin, Mamaroneck, N. Y.
Application October 1, 1946, Serial No. 133,684
Term of patent 3½ years
(Cl. D14—18)



The ornamental design for an automobile radiator guard, substantially as shown.

148,753
DESIGN FOR AN AUTOMOBILE RADIATOR
GUARD

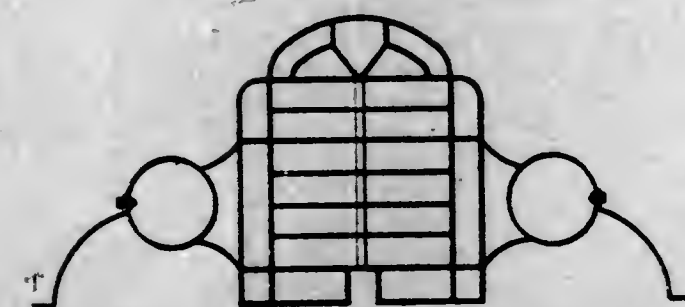
Leopold Bustin, Mamaroneck, N. Y.
Application October 1, 1946, Serial No. 133,685
Term of patent $3\frac{1}{2}$ years
(Cl. D14-18)



The ornamental design for an automobile radiator guard, substantially as shown.

148,754
DESIGN FOR AN AUTOMOBILE RADIATOR
GUARD

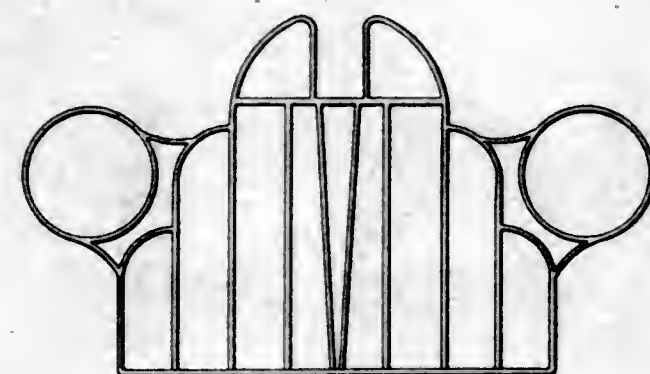
Leopold Bustin, Mamaroneck, N. Y.
Application November 26, 1946, Serial No. 135,086
Term of patent $3\frac{1}{2}$ years
(Cl. D14-18)



The ornamental design for an automobile radiator guard, substantially as shown.

148,755
DESIGN FOR AN AUTOMOBILE RADIATOR
GUARD

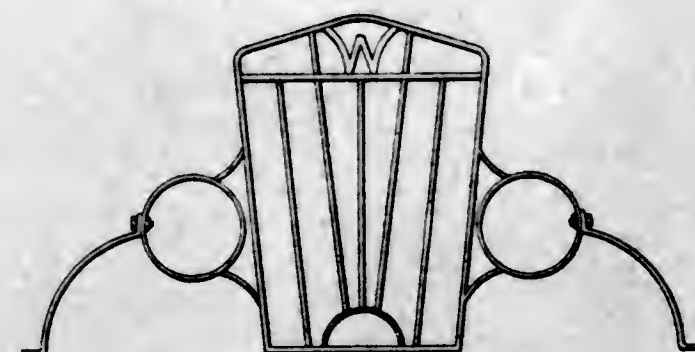
Leopold Bustin, Mamaroneck, N. Y.
Application October 1, 1946, Serial No. 133,687
Term of patent $3\frac{1}{2}$ years
(Cl. D14-18)



The ornamental design for an automobile radiator guard, substantially as shown.

148,756
DESIGN FOR AN AUTOMOBILE RADIATOR
GUARD

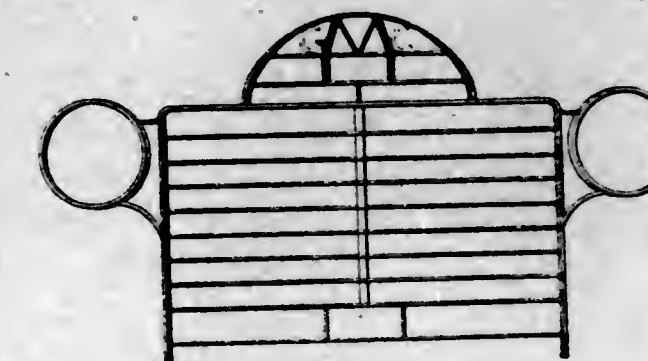
Leopold Bustin, Mamaroneck, N. Y.
Application November 26, 1946, Serial No. 135,089
Term of patent $3\frac{1}{2}$ years
(Cl. D14-18)



The ornamental design for an automobile radiator guard, substantially as shown.

148,757
DESIGN FOR AN AUTOMOBILE RADIATOR
GUARD

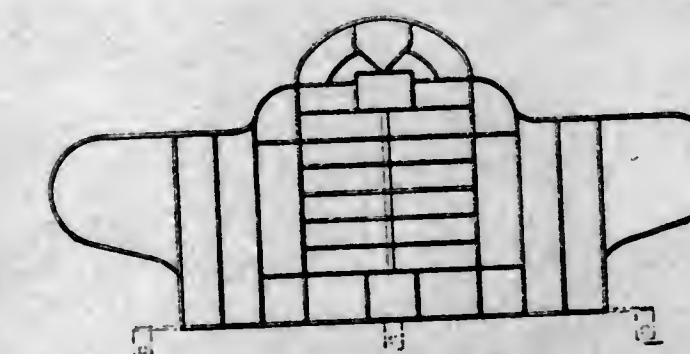
Leopold Bustin, Mamaroneck, N. Y.
Application March 4, 1947, Serial No. 137,325
Term of patent $3\frac{1}{2}$ years
(Cl. D14-18)



The ornamental design for an automobile radiator guard, substantially as shown.

148,758
DESIGN FOR AN AUTOMOBILE RADIATOR
GUARD

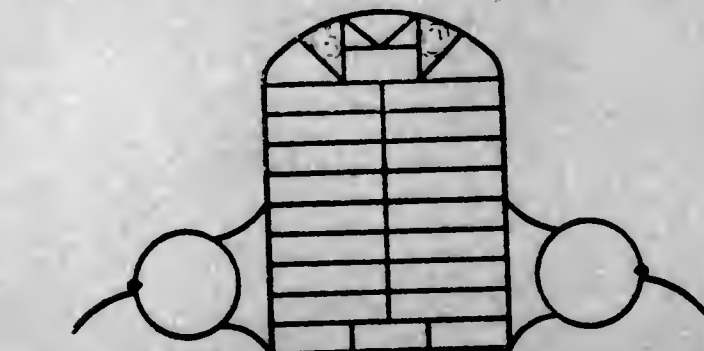
Leopold Bustin, Mamaroneck, N. Y.
Application March 4, 1947, Serial No. 137,326
Term of patent $3\frac{1}{2}$ years
(Cl. D14-18)



The ornamental design for an automobile radiator guard, substantially as shown.

148,759
DESIGN FOR AN AUTOMOBILE RADIATOR
GUARD

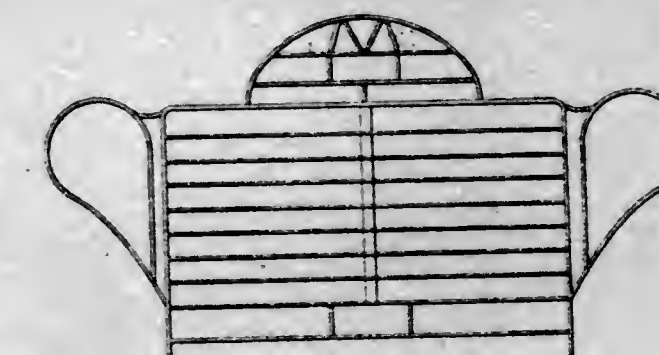
Leopold Bustin, Mamaroneck, N. Y.
Application March 4, 1947, Serial No. 137,327
Term of patent $3\frac{1}{2}$ years
(Cl. D14-18)



The ornamental design for an automobile radiator guard, substantially as shown.

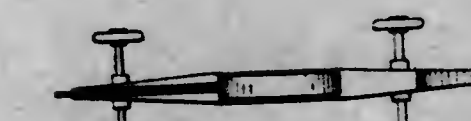
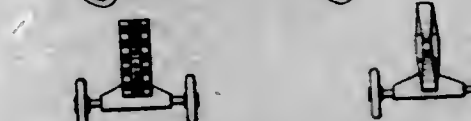
148,760
DESIGN FOR AN AUTOMOBILE RADIATOR
GUARD

Leopold Bustin, Mamaroneck, N. Y.
Application March 4, 1947, Serial No. 137,328
Term of patent $3\frac{1}{2}$ years
(Cl. D14-18)



The ornamental design for an automobile radiator guard, substantially as shown.

148,761
DESIGN FOR A ROCKET CAR
James Carmody, Collingswood, N. J.
Application November 14, 1946, Serial No. 134,768
Term of patent $3\frac{1}{2}$ years
(Cl. D34-15)



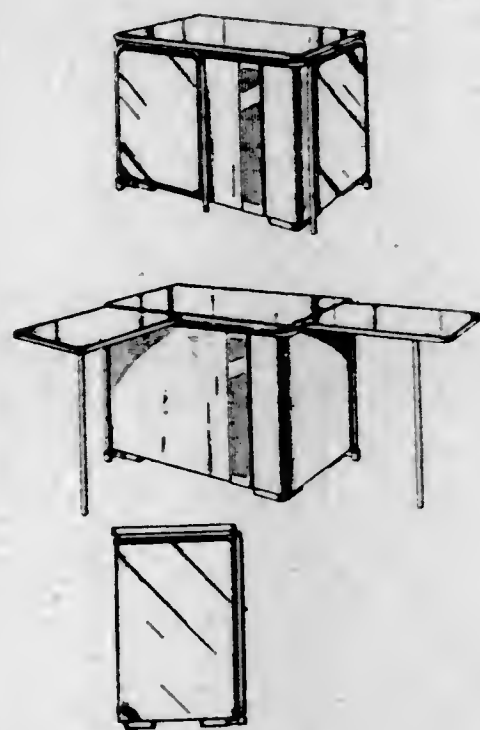
The ornamental design for a rocket car, as shown.

148,762

**DESIGN FOR A FROZEN FOOD LOCKER OR
SIMILAR ARTICLE**

Laurier Carrière, Rockford, Ill.; assignor to The
Maytag Company, Newton, Iowa, a corporation of
Delaware

Application November 29, 1945, Serial No. 124,201
Term of patent 14 years
(Cl. D67—3)

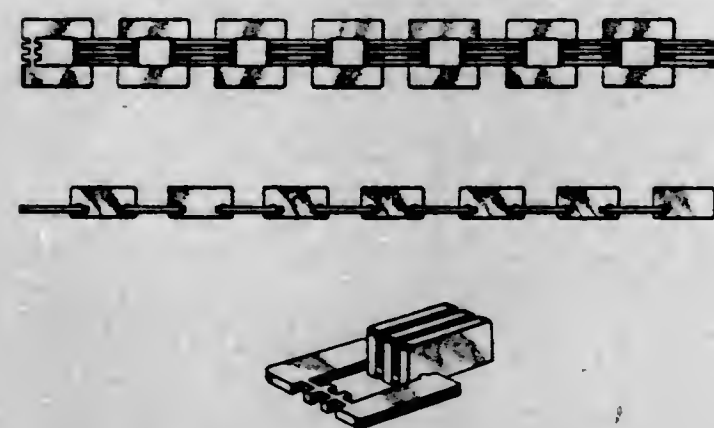


The ornamental design for a frozen food locker
or similar article, substantially as shown and
described.

148,763

**DESIGN FOR A LINK CHAIN FOR A
BRACELET OR THE LIKE**

Michael Chernow, New York, N. Y.
Application April 8, 1947, Serial No. 138,235
Term of patent 14 years
(Cl. D45—4)



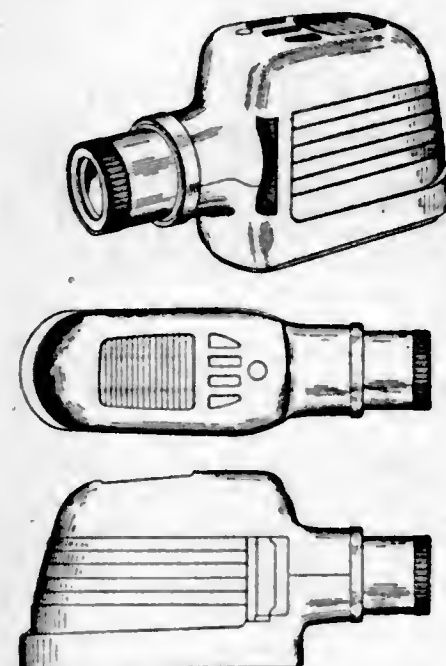
The ornamental design for a link chain for a
bracelet or the like, substantially as shown.

148,764

DESIGN FOR A PROJECTOR

Theodore G. Clement, Rochester, N. Y., assignor
to Eastman Kodak Company, Rochester, N. Y.,
a corporation of New Jersey

Application February 24, 1947, Serial No. 137,135
Term of patent 14 years
(Cl. D61—1)



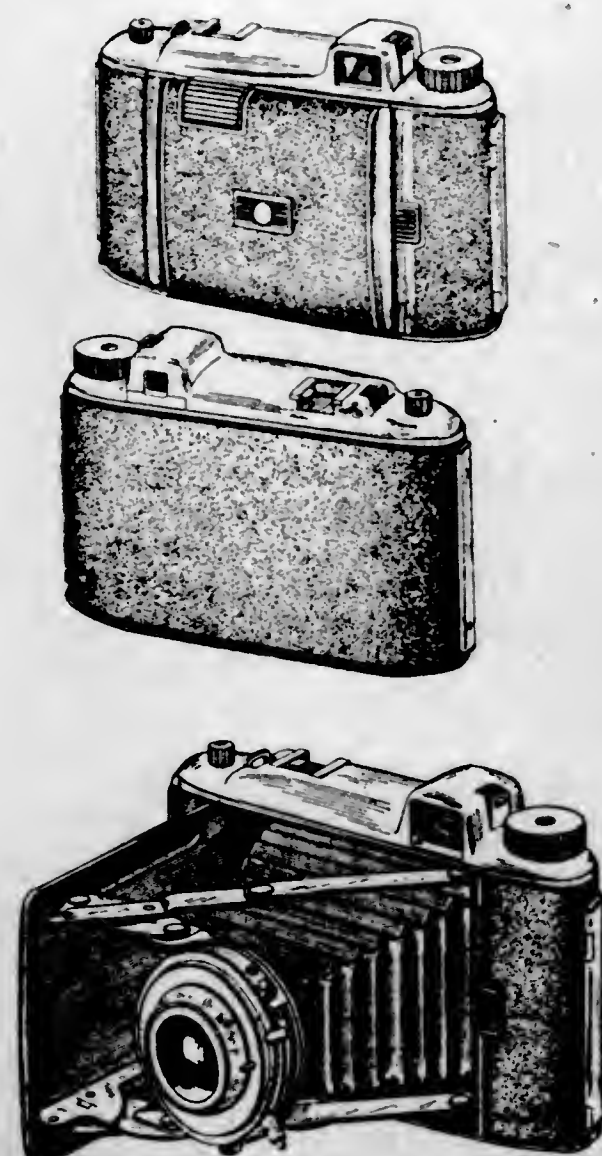
The ornamental design for a projector, as
shown.

148,765

DESIGN FOR A FOLDING CAMERA

Theodore G. Clement, Rochester, N. Y., assignor
to Eastman Kodak Company, Rochester, N. Y.,
a corporation of New Jersey

Application April 24, 1947, Serial No. 138,587
Term of patent 14 years
(Cl. D61—1)



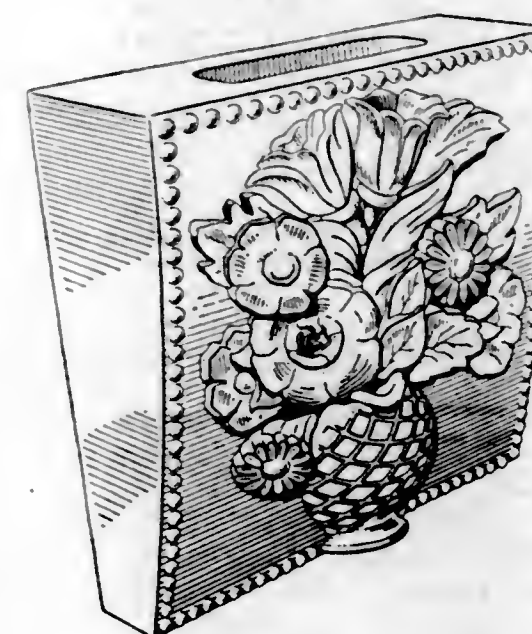
The ornamental design for a folding camera, as
shown.

148,766

DESIGN FOR A PERFUME DIFFUSER

Henry Cobbs, Little River, Fla.

Application February 11, 1947, Serial No. 136,851
Term of patent 14 years
(Cl. D16—2)



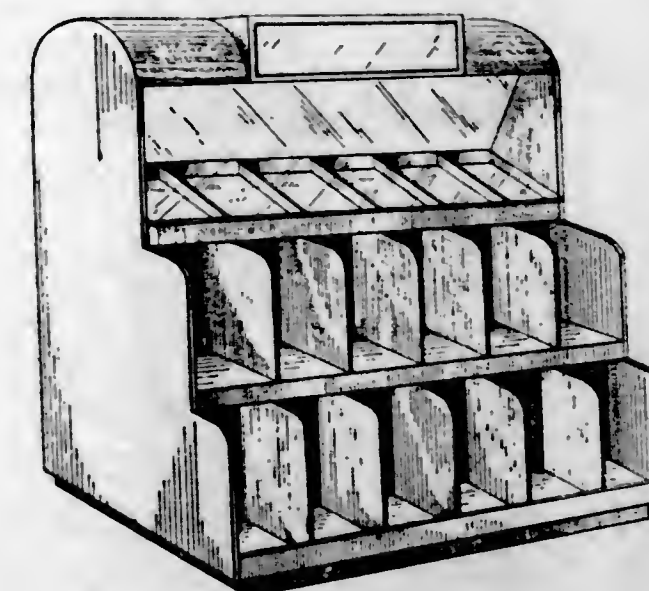
The ornamental design for a perfume diffuser,
as shown and described.

148,767

DESIGN FOR A SHOWCASE

William A. Yantis, St. Joseph, Mo., assignor to
Chase Candy Company, St. Joseph, Mo.

Application May 20, 1946, Serial No. 129,898
Term of patent 14 years
(Cl. D80—11)



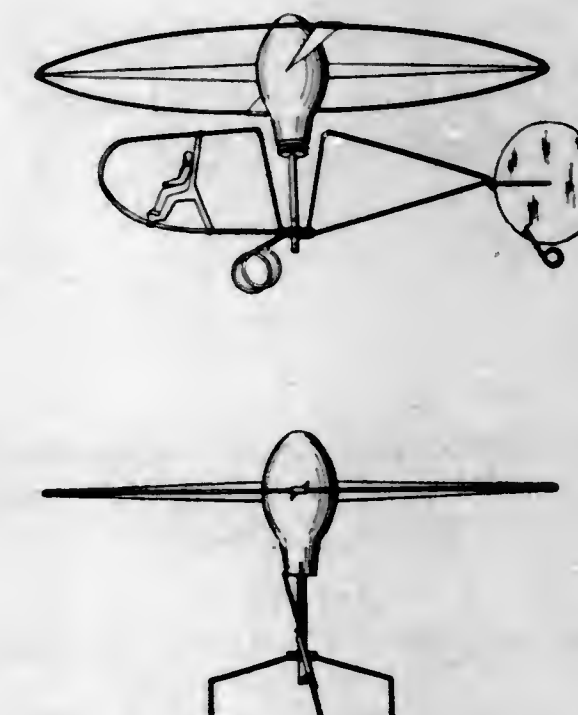
The ornamental design for a showcase, as
shown and described.

148,768

**DESIGN FOR A FLYING MODEL HELICOPTER
TOY**

Wiley K. Crowder, Detroit, Mich.

Application June 28, 1946, Serial No. 131,024
Term of patent 14 years
(Cl. D34—15)



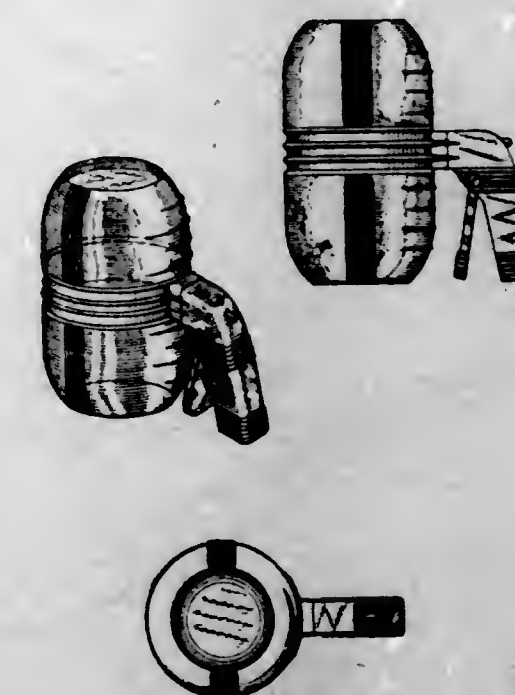
The ornamental design for a flying model heli-
copter toy, substantially as shown.

148,769

DESIGN FOR A FLOUR SIFTER

John E. Davis, Sherman Oaks, Calif., assignor to
Na Mac Products Corp., Los Angeles, Calif., a
corporation of California

Application August 13, 1946, Serial No. 132,477
Term of patent 14 years
(Cl. D44—29)

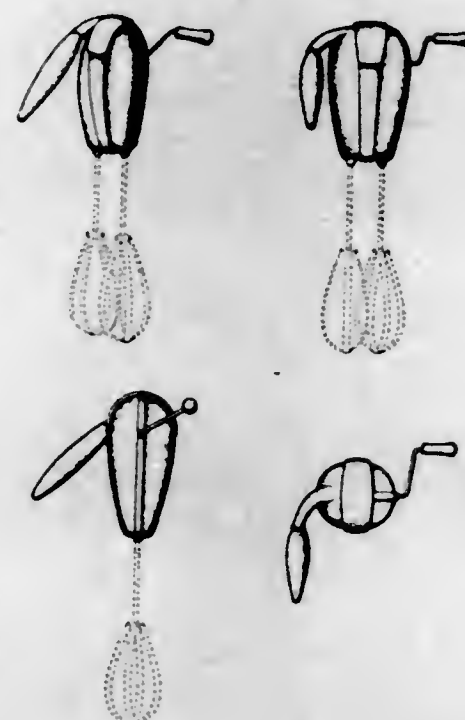


The ornamental design for a flour sifter, as
shown.

148,770

DESIGN FOR AN EGG BEATER

John E. Davis, Sherman Oaks, Calif., assignor to Na Mac Products Corp., Los Angeles, Calif., a corporation of California
Application August 13, 1946, Serial No. 132,478
Term of patent 14 years
(Cl. D44—29)



The ornamental design for an egg beater, as shown.

148,771

DESIGN FOR A VEGETABLE PEELER

John E. Davis, Sherman Oaks, Calif., assignor to Na Mac Products Corp., Los Angeles, Calif., a corporation of California
Application August 13, 1946, Serial No. 132,479
Term of patent 14 years
(Cl. D22—3)

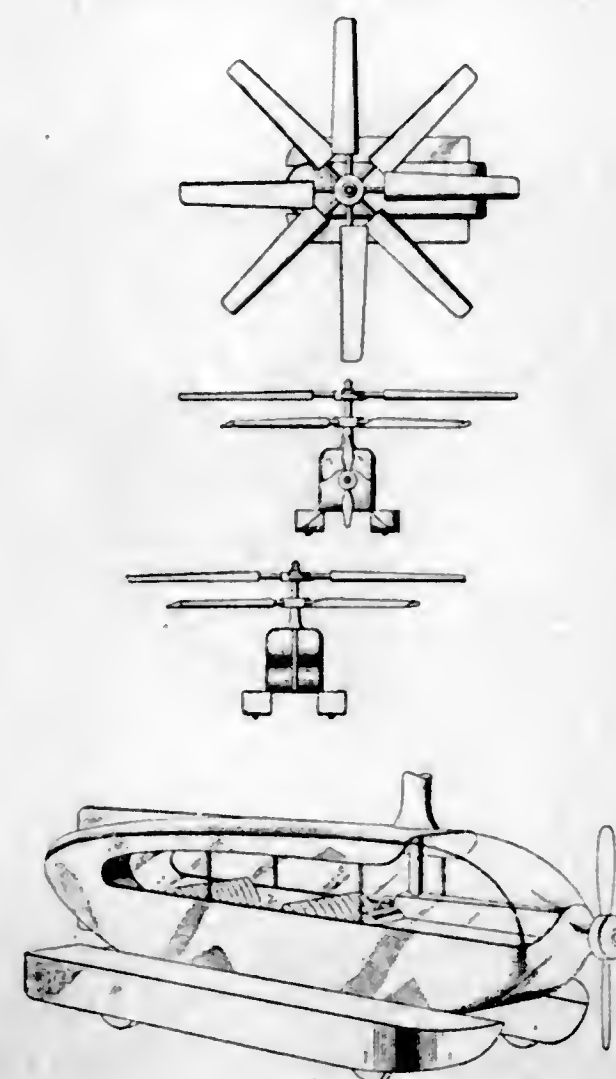


The ornamental design for a vegetable peeler, as shown.

148,772

DESIGN FOR A HELICOPTER

Wesley J. Davis, Los Angeles, Calif.
Application August 5, 1946, Serial No. 132,284
Term of patent 7 years
(Cl. D71—1)



The ornamental design for a helicopter, as shown.

148,773

DESIGN FOR A CARPET SWEEPER CASING

Maurits de Kadt and Jacques de Kadt, New York, N. Y., assignors to Briam Industrial Corporation, New York, N. Y., a corporation of New York
Application November 22, 1946, Serial No. 134,996
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a carpet sweeper casing, as shown.

148,774

DESIGN FOR A DESK

Benton L. Fay, St. Joseph, Mich.
Application August 17, 1946, Serial No. 132,605
Term of patent 14 years
(Cl. D33—7)



The ornamental design for a desk, as shown and described.

148,775

DESIGN FOR A DESK

Benton L. Fay, St. Joseph, Mich.
Application August 17, 1946, Serial No. 132,606
Term of patent 14 years
(Cl. D33—7)

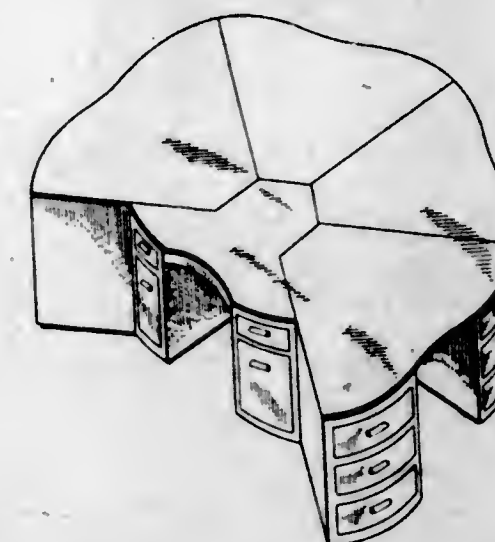


The ornamental design for a desk, as shown and described.

148,776

DESIGN FOR A MULTIPLE DESK UNIT

Benton L. Fay, St. Joseph, Mich.
Application August 17, 1946, Serial No. 132,607
Term of patent 14 years
(Cl. D33—7)



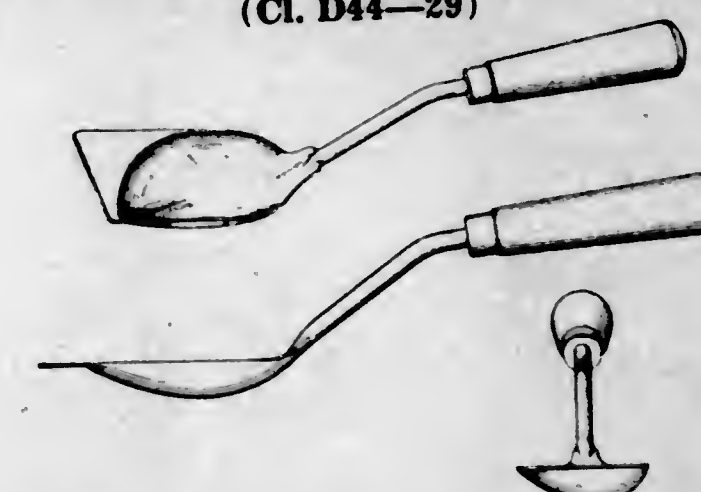
The ornamental design for a multiple desk unit, as shown and described.

607 O. G.—49

148,777

DESIGN FOR A COMBINATION SPATULA, SPOON, AND SCRAPER

William Paul Ferris, York, Pa., assignor to Ferris Factories, Inc., York, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 129,394
Term of patent 7 years
(Cl. D44—29)

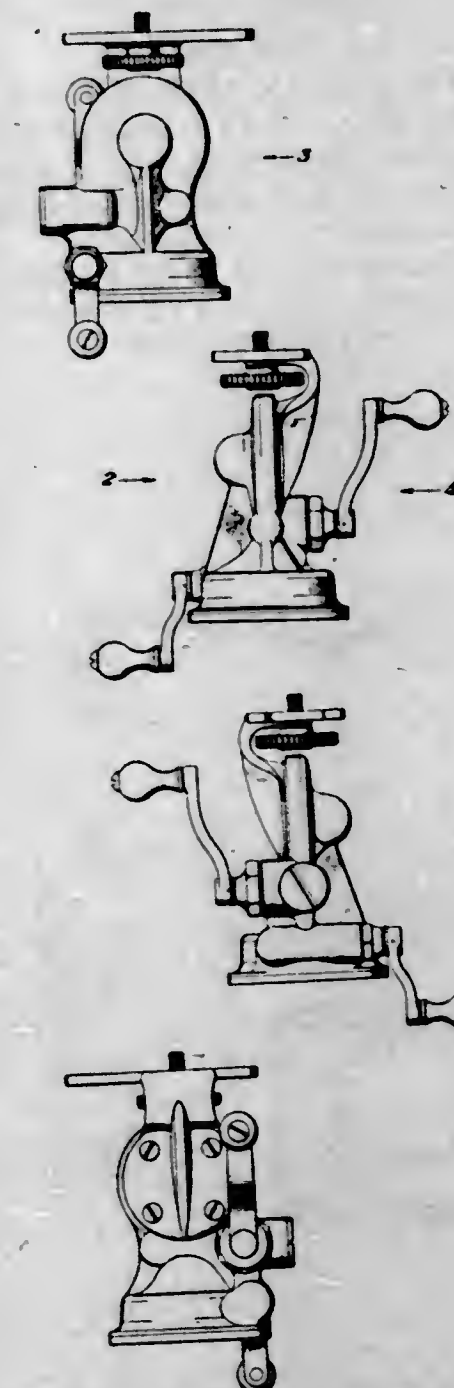


The ornamental design for a combination spatula, spoon, and scraper, as shown.

148,778

DESIGN FOR A CAMERA TRIPOD HEAD OR SIMILAR ARTICLE

Jacob Franz Fishter, Santa Monica, Calif., assignor to Panogear Industries, Los Angeles, Calif., a corporation of California
Application May 12, 1947, Serial No. 138,984
Term of patent 14 years
(Cl. D61—1)

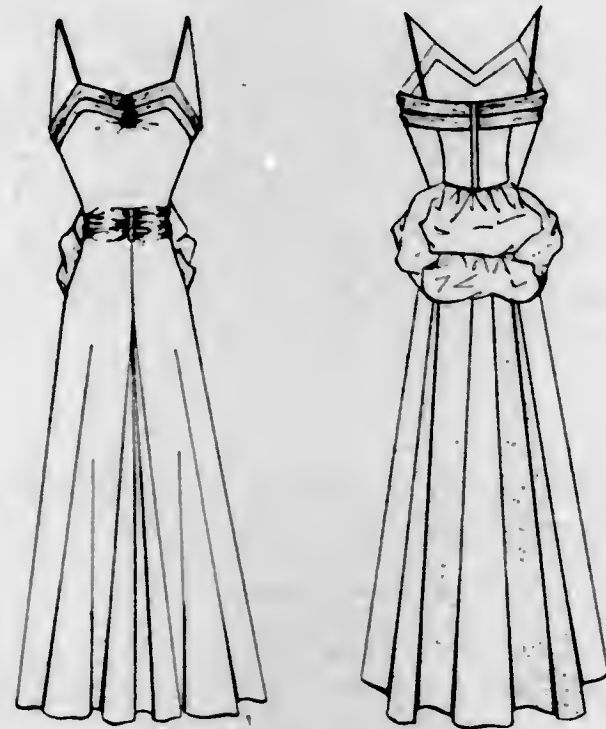


The ornamental design for a camera tripod head or similar article, substantially as shown.

148,779

DESIGN FOR A DRESS

Josephine Franta, New York, N. Y.
Application July 30, 1947, Serial No. 140,605
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)

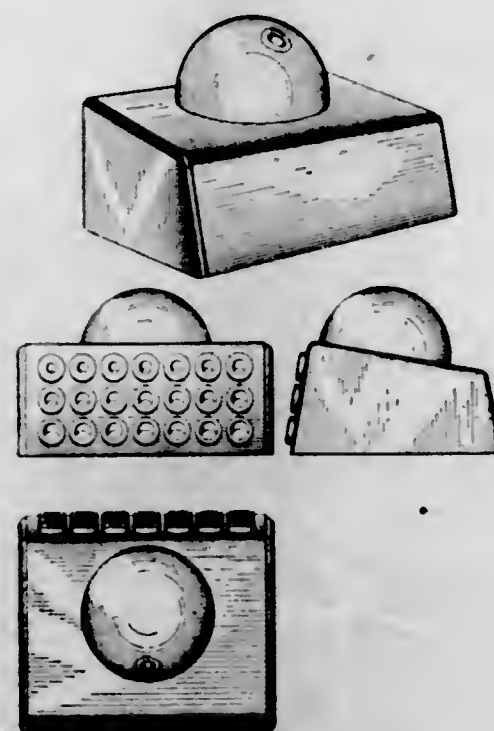


The ornamental design for a dress, substantially as shown.

148,780

DESIGN FOR A SPAN MEASURING DEVICE FOR BOWLING BALLS AND THE LIKE

Edward C. Gillett, Evanston, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application November 30, 1946, Serial No. 135,197
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a span measuring device for bowling balls and the like, substantially as shown.

148,781

DESIGN FOR A DRESS

Irving Glickman, New York, N. Y.
Application July 22, 1947, Serial No. 140,453
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

148,782

DESIGN FOR A LAMP BASE

Robert Goldman and Roy Nemzer, Brooklyn, N. Y.
Application November 27, 1946, Serial No. 135,124
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a lamp base, as shown.

148,783

DESIGN FOR A PLATE OR THE LIKE

Marcelline Gougler, Chicago, Ill., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application January 11, 1947, Serial No. 136,098
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate or the like, as shown.

148,784

DESIGN FOR A FURNACE

Warren B. Green, Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 5, 1945, Serial No. 122,572
Term of patent 14 years
(Cl. D81—1)

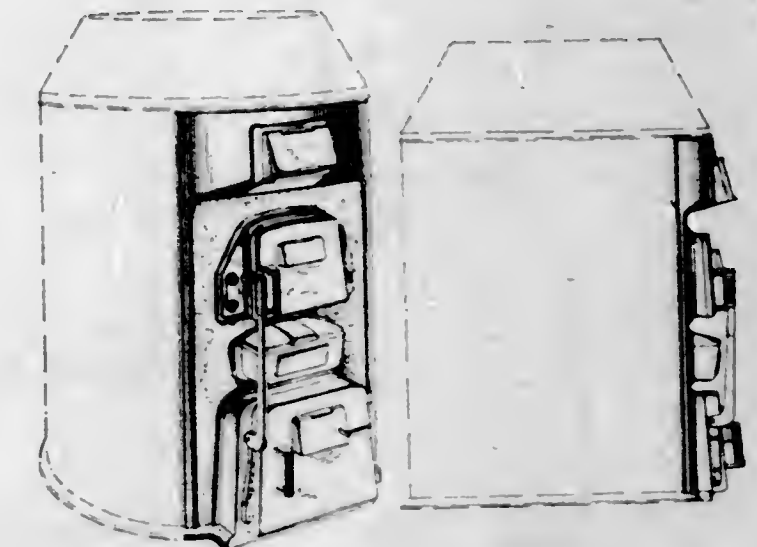


The ornamental design for a furnace, substantially as shown and described.

148,785

DESIGN FOR A FURNACE

Warren B. Green, Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 5, 1945, Serial No. 122,573
Term of patent 14 years
(Cl. D81—1)

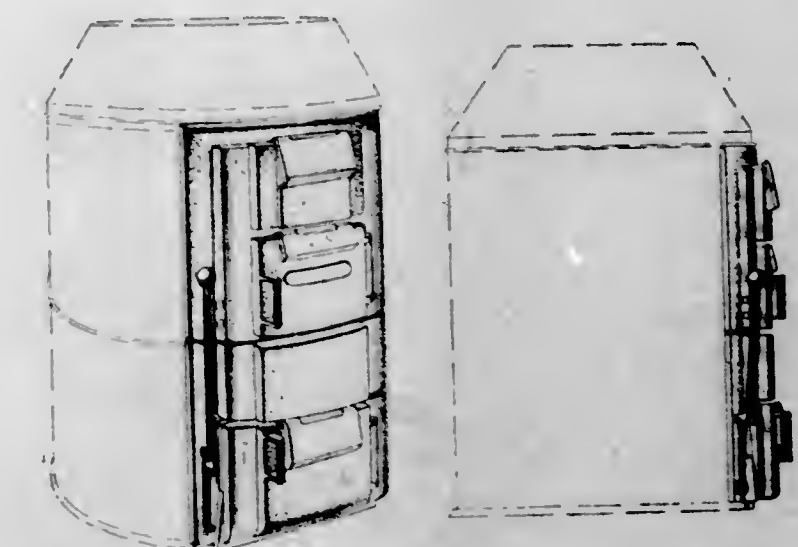


The ornamental design for a furnace, substantially as shown and described.

148,786

DESIGN FOR A FURNACE

Warren B. Green, Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 5, 1945, Serial No. 122,574
Term of patent 14 years
(Cl. D81—1)

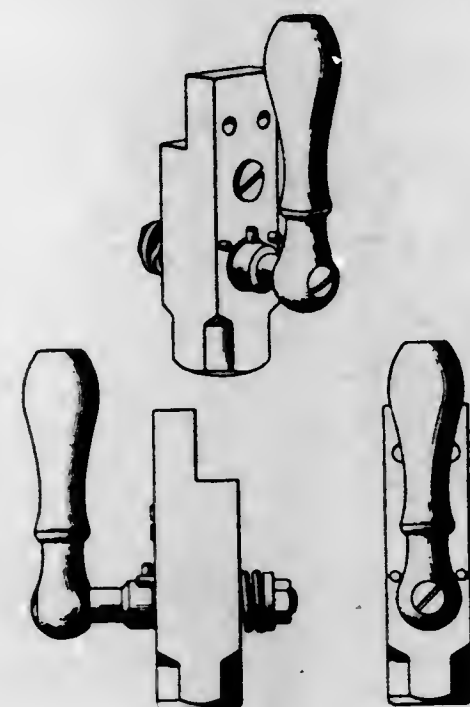


The ornamental design for a furnace, substantially as shown and described.

148,787

DESIGN FOR A GAS VALVE

James M. Haldane, Palos Heights, Ill., assignor to Harry W. Anderson, doing business as Brass Products Co., Chicago, Ill.
Application January 17, 1946, Serial No. 125,673
Term of patent 14 years
(Cl. D78-1)

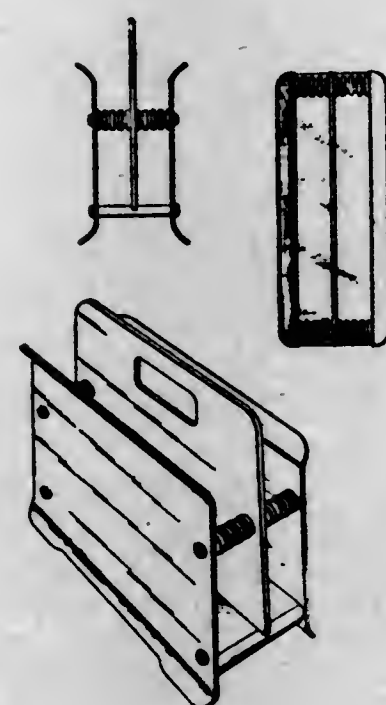


The ornamental design for a gas valve, as shown.

148,788

DESIGN FOR A PORTABLE MAGAZINE RACK

William Hansen, Chicago, Ill.
Application October 4, 1946, Serial No. 133,741
Term of patent 7 years
(Cl. D33-2)

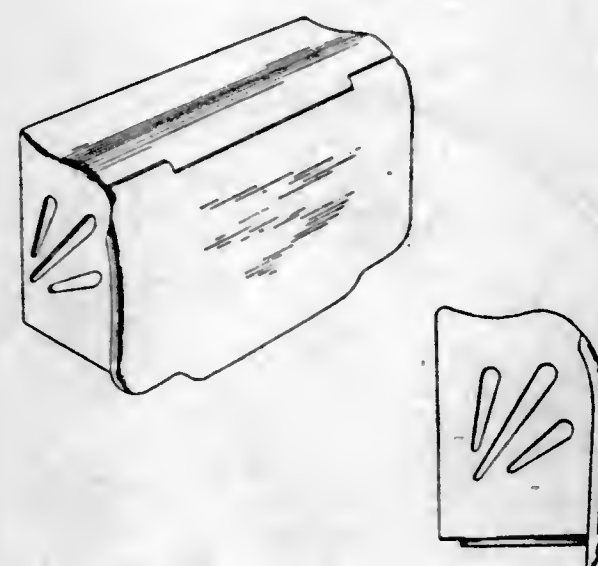


The ornamental design for a portable magazine rack, substantially as shown.

148,789

DESIGN FOR A CABINET

Horner H. Hopkins, Des Moines, Iowa, assignor to Cobbs-Hopkins Company, Des Moines, Iowa
Application March 6, 1946, Serial No. 127,152
Term of patent 14 years
(Cl. D33-19)

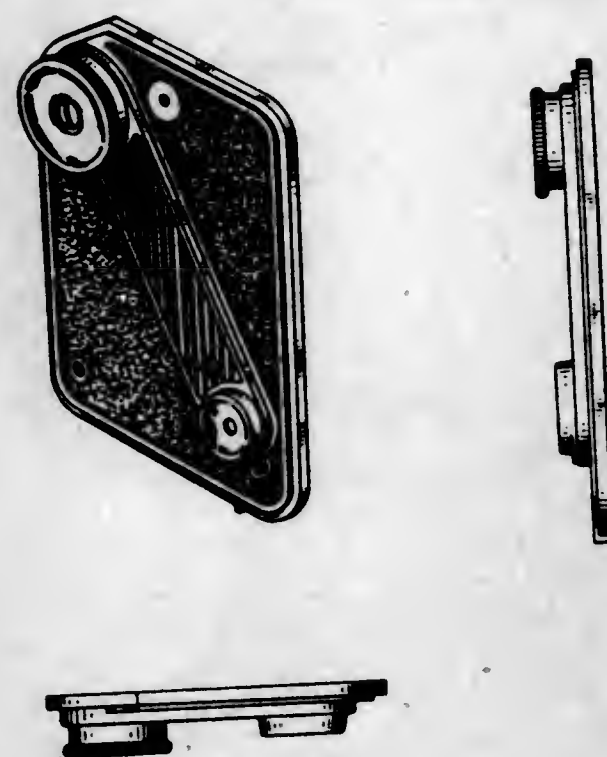


The ornamental design for a cabinet, substantially as shown and described.

148,790

DESIGN FOR A CAMERA PLATE

Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 28, 1947, Serial No. 142,851
Term of patent 14 years
(Cl. D61-1)

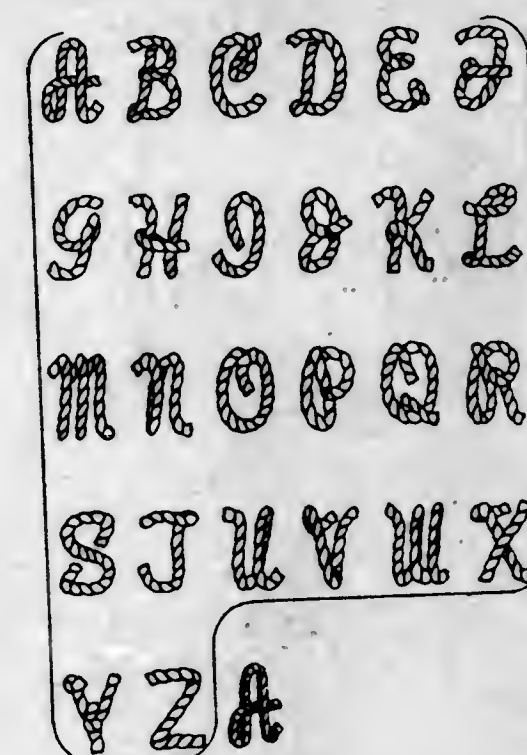


The ornamental design for a camera plate, as shown.

148,791

DESIGN FOR AN ALPHABET

Nelson Kalnitz, Buffalo, N. Y.
Application August 3, 1946, Serial No. 132,279
Term of patent 14 years
(Cl. D64-12)

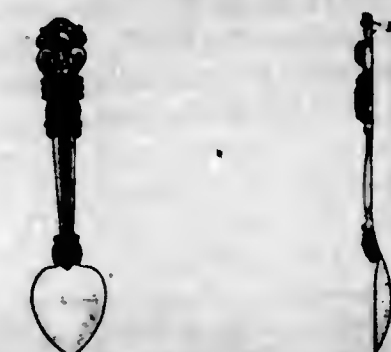


The ornamental design for an alphabet, substantially as shown.

148,792

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,382
Term of patent 3 1/2 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

148,793

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 136,390
Term of patent 3 1/2 years
(Cl. D45-19)

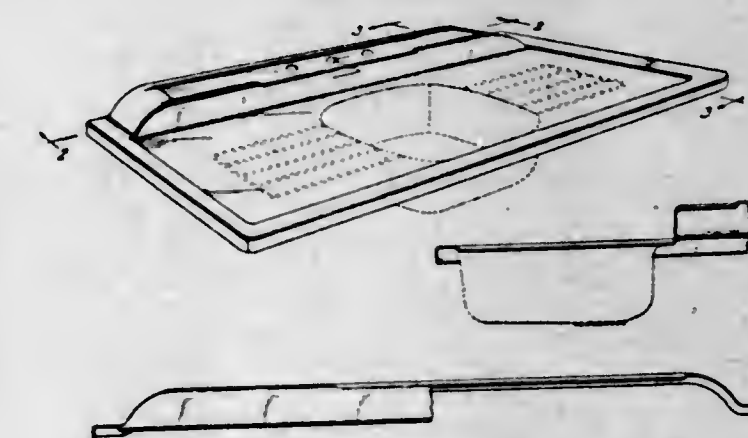


The ornamental design for a brooch or similar article, substantially as shown.

148,794

DESIGN FOR A SINK

Leonard Keller, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 125,756
Term of patent 14 years
(Cl. D4-2)

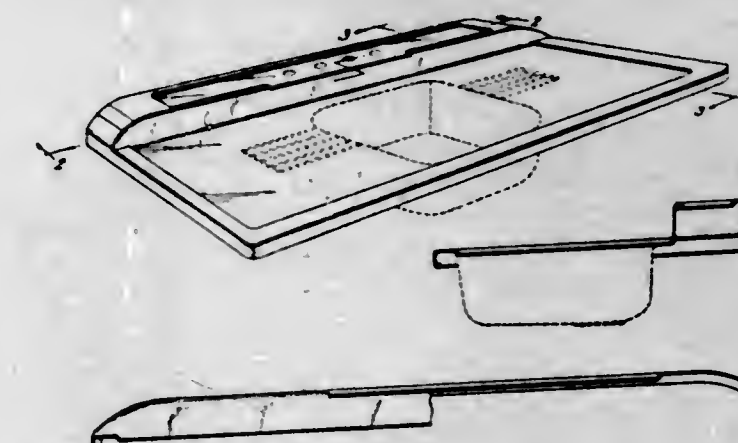


The ornamental design for a sink, as shown and described.

148,795

DESIGN FOR A SINK

Leonard Keller, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 125,757
Term of patent 14 years
(Cl. D4-2)

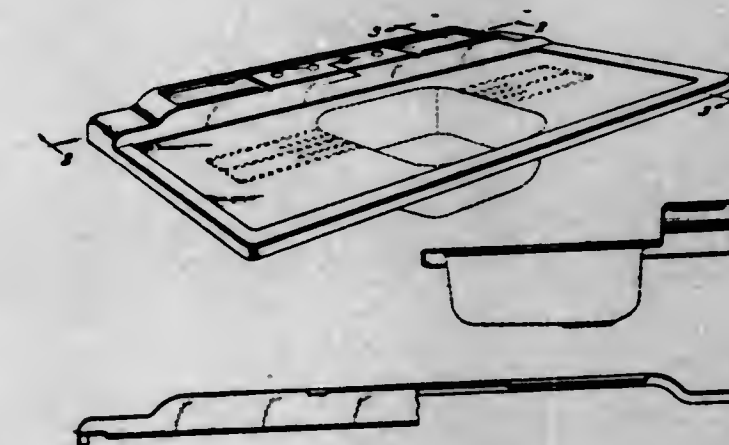


The ornamental design for a sink, as shown and described.

148,796

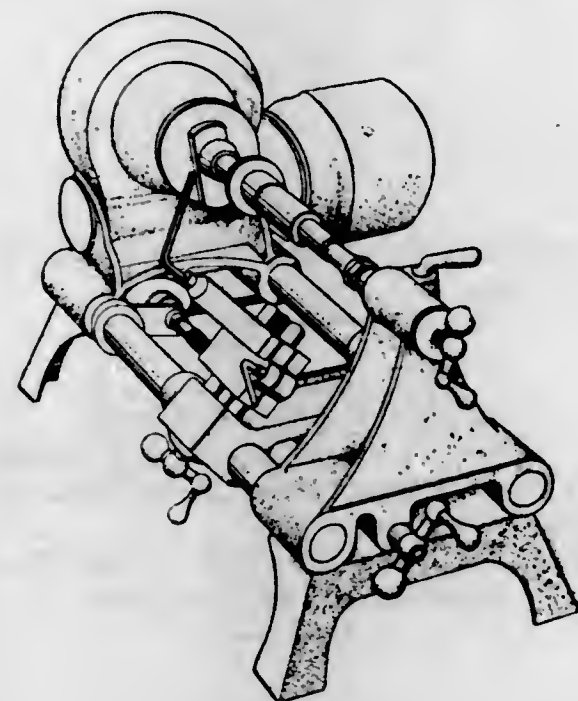
DESIGN FOR A SINK

Leonard Keller, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 125,758
Term of patent 14 years
(Cl. D4-2)

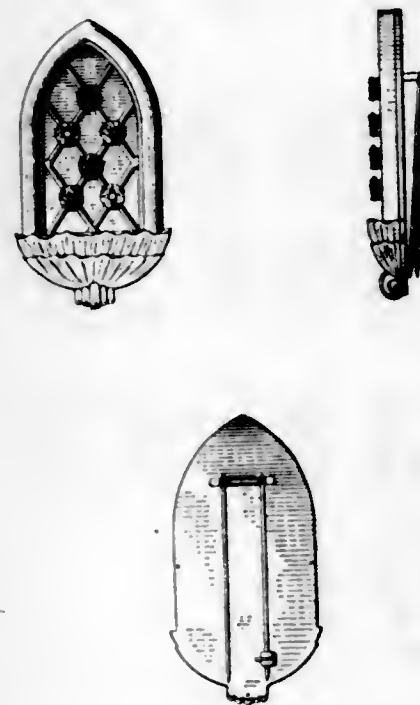


The ornamental design for a sink, as shown and described.

148,797
DESIGN FOR A BRAKE DRUM TRUING MACHINE
 George E. Klassett, Atlanta, Ga.
 Application July 20, 1945, Serial No. 120,835
 Term of patent 14 years
 (Cl. D55—1)

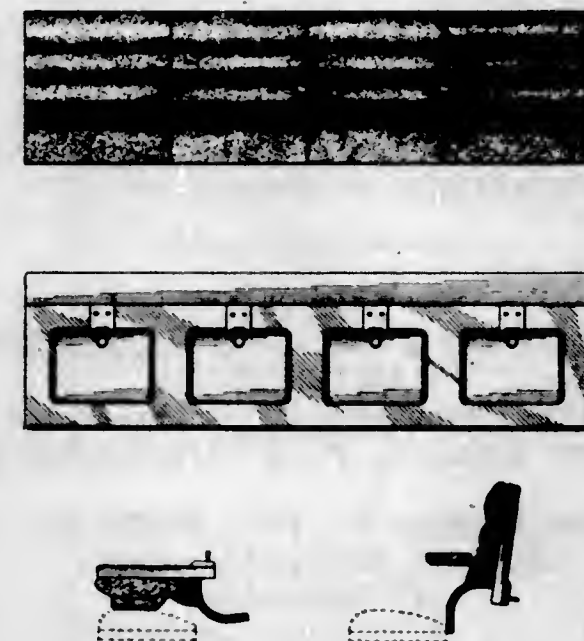
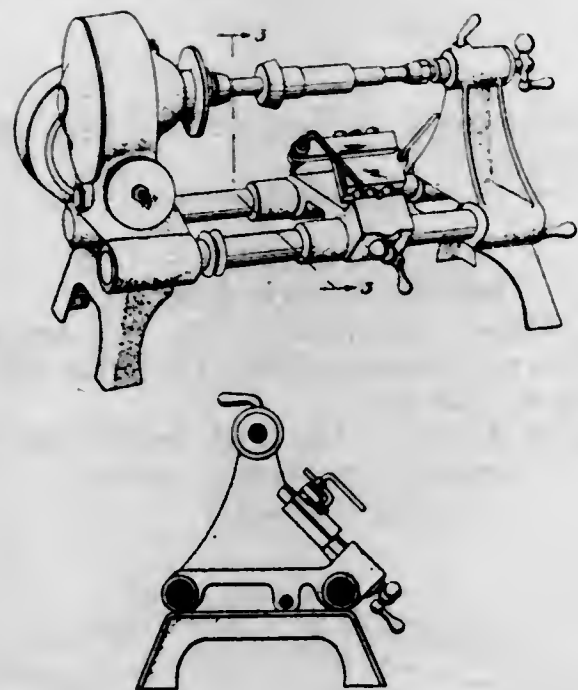


148,798
DESIGN FOR A JEWELRY PIN
 Marc Koven, New York, N. Y.
 Application February 11, 1947, Serial No. 136,835
 Term of patent 7 years
 (Cl. D45—19)



The ornamental design for a jewelry pin, substantially as shown.

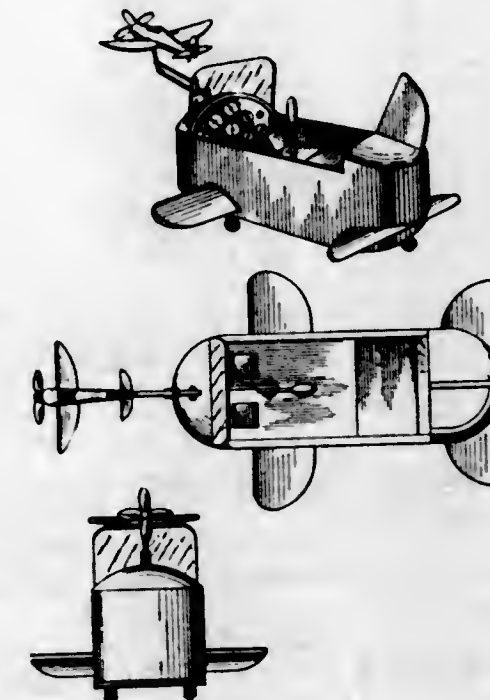
148,799
DESIGN FOR A COMBINED SEAT BACK AND WASHBASINS UNIT
 Otto Kuhler, Blauvelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
 Application November 6, 1945, Serial No. 123,515
 Term of patent 14 years
 (Cl. D4—2)



The ornamental design for a brake drum truing machine, substantially as shown.

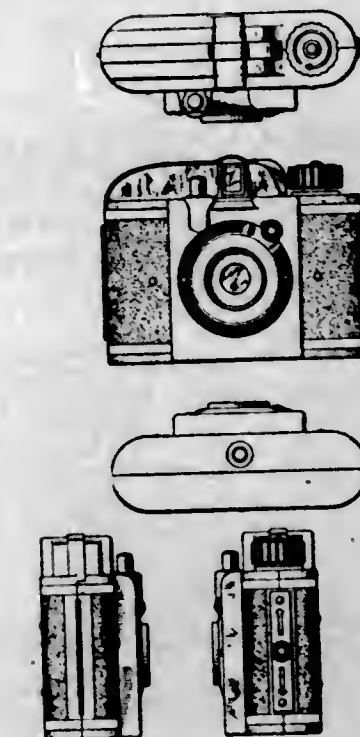
The ornamental design for a combined seat back and washbasins unit, as shown and described.

148,800
DESIGN FOR AN AERONAUTICAL TRAINING DEVICE
 Gordon Laughead, Grand Haven, Mich., assignor to Gordon Laughead Company, Grand Haven, Mich.
 Application September 19, 1946, Serial No. 133,430
 Term of patent 7 years
 (Cl. D71—1)

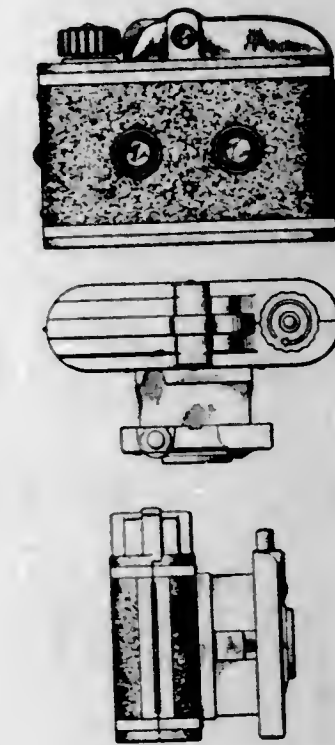


The ornamental design for an aeronautical training device, substantially as shown.

148,801
DESIGN FOR A CAMERA
 William L. Lawson, Forest Hills, N. Y., assignor to Whitehouse Products, Inc., Brooklyn, N. Y., a corporation of New York
 Application February 8, 1947, Serial No. 136,785
 Term of patent 14 years
 (Cl. D61—1)



148,801—Continued



The ornamental design for a camera, as shown.

148,802
DESIGN FOR A BOOK END
 Arthur S. Leitner, Los Angeles, Calif.
 Application October 28, 1946, Serial No. 134,351
 Term of patent 14 years
 (Cl. D33—1)

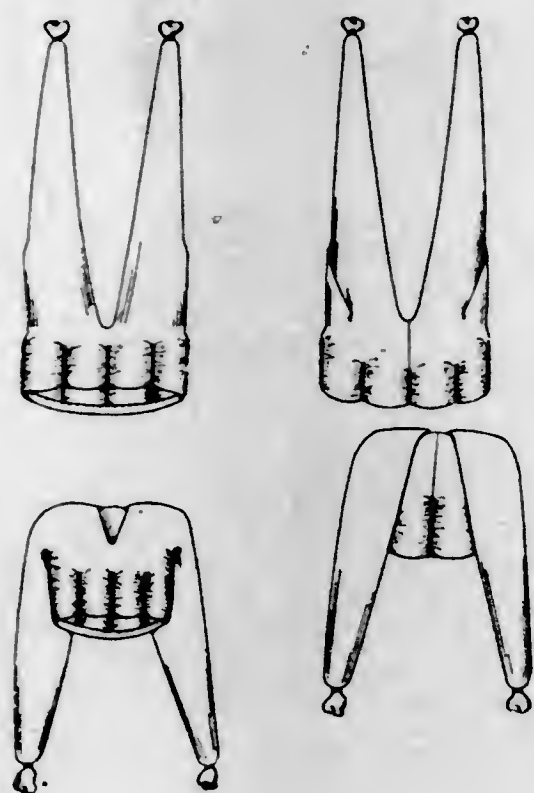


The ornamental design for a book end, substantially as shown.

148,803

DESIGN FOR A HAT

Tina Leser, New York, N. Y.
Application June 18, 1946, Serial No. 130,824
Term of patent $3\frac{1}{2}$ years
(Cl. D3-13)

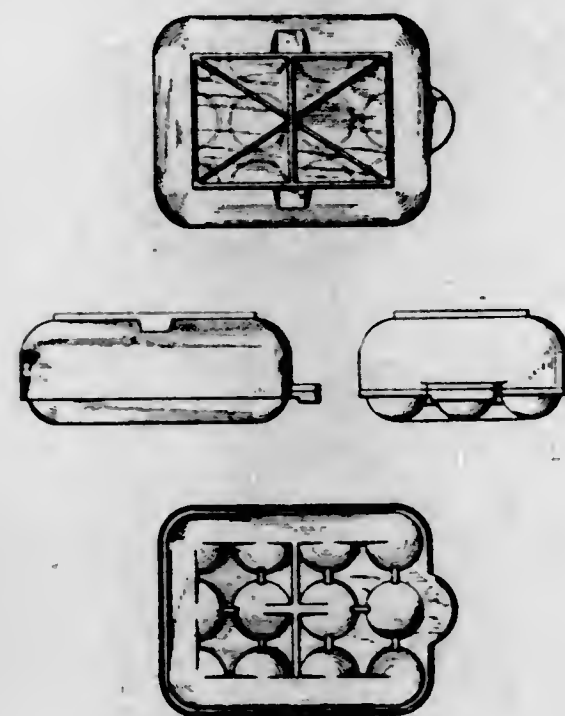


The ornamental design for a hat, substantially as shown and described.

148,804

DESIGN FOR AN EGG CONTAINER

Florence K. Lewis and Evelyn Trout,
Glendale, Calif.
Application April 27, 1946, Serial No. 129,013
Term of patent $3\frac{1}{2}$ years
(Cl. D58-13)

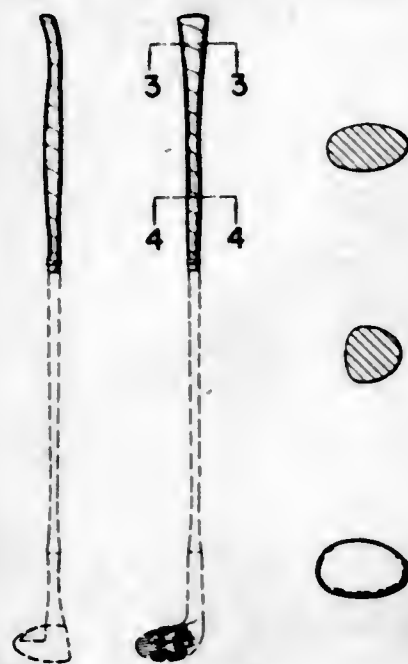


The ornamental design for an egg container, substantially as shown.

148,805

DESIGN FOR A GOLF CLUB

Alexander Ljolich, Dearborn, and Samuel N. Ljolich, Detroit, Mich.
Application July 29, 1946, Serial No. 132,088
Term of patent 14 years
(Cl. D34-5)

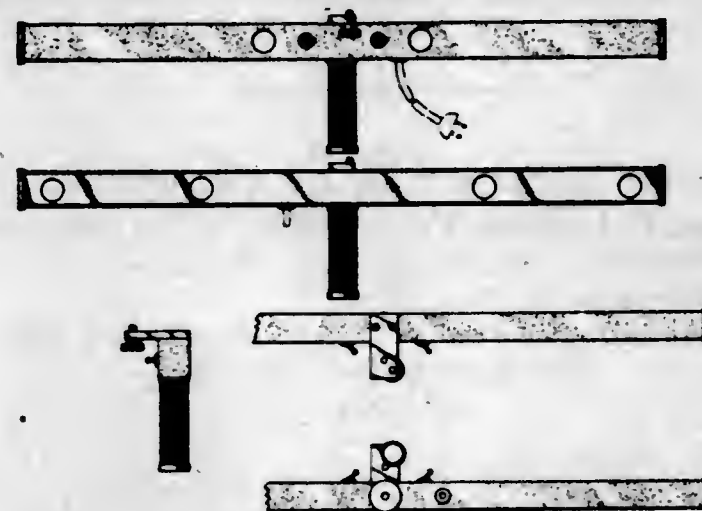


The ornamental design for a golf club, as shown and described.

148,806

DESIGN FOR A PHOTOGRAPHIC LAMP HOLDER

Henry T. Lorenz, Chicago, Ill., assignor to Herman Powell, Chicago, Ill.
Application January 8, 1947, Serial No. 135,993
Term of patent 14 years
(Cl. D61-1)

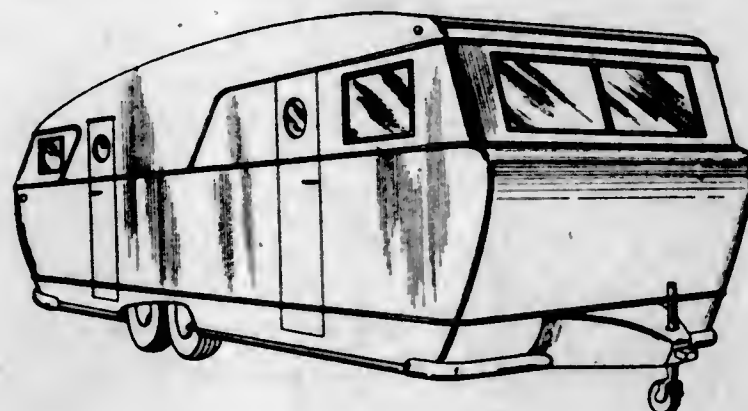


The ornamental design for a photographic lamp holder, as shown and described.

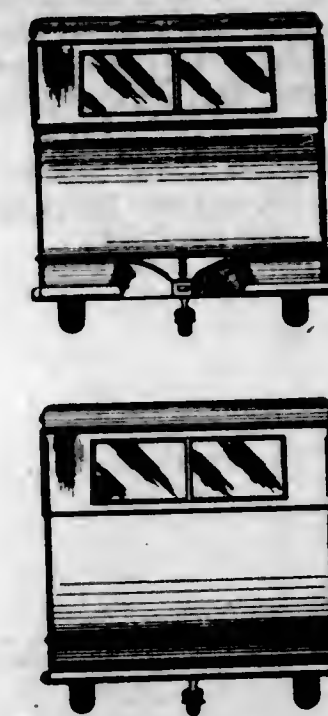
148,807

DESIGN FOR A VEHICLE TRAILER

William B. MacDonald, Jr., Chicago, Ill.
Application January 30, 1947, Serial No. 136,521
Term of patent $3\frac{1}{2}$ years
(Cl. D14-3)



148,807—Continued

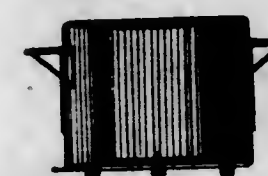
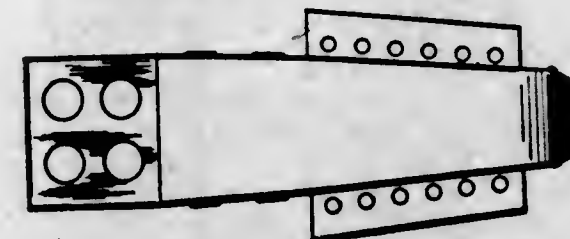
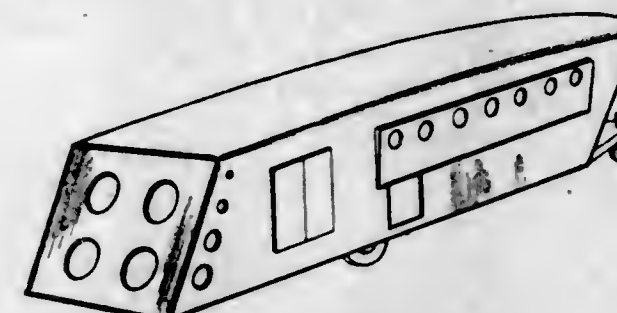
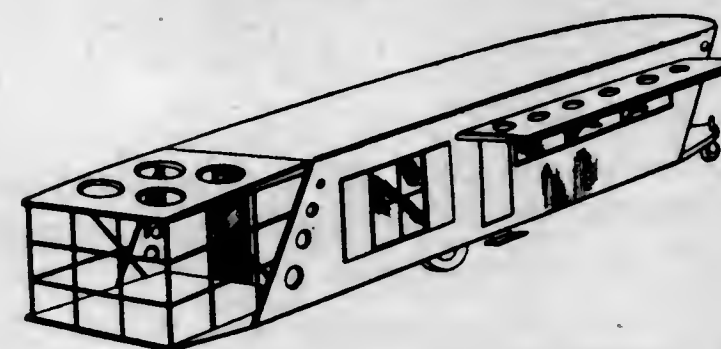


The ornamental design for a vehicle trailer, as shown and described.

148,808

DESIGN FOR A VEHICLE TRAILER

William B. MacDonald, Jr., Chicago, Ill.
Application January 30, 1947, Serial No. 136,522
Term of patent $3\frac{1}{2}$ years
(Cl. D14-3)

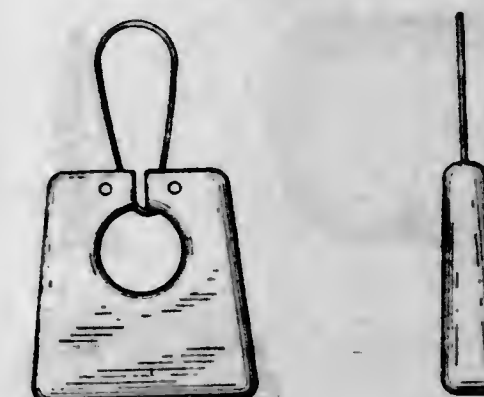


The ornamental design for a vehicle trailer, as shown and described.

148,809

DESIGN FOR A DEVICE FOR RELEASING SNAGGED FISHING LURES OR BAITS

Eugene F. McDonald, Jr., Chicago, Ill.
Application March 4, 1946, Serial No. 127,104
Term of patent 14 years
(Cl. D31-4)

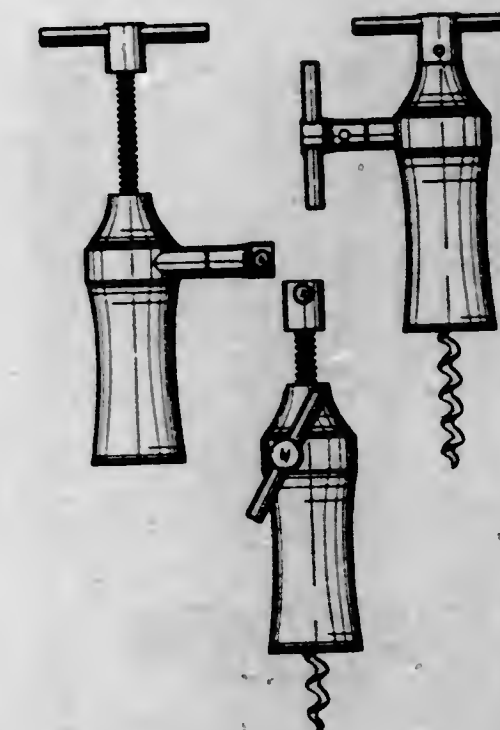


The ornamental design for a device for releasing snagged fishing lures or baits, as shown.

148,810

DESIGN FOR A CORKSCREW

Marshall T. McDowell, Eatontown, N. J., assignor to The Corkmaster Company, Red Bank, N. J., a corporation of New Jersey
Application April 26, 1946, Serial No. 128,997
Term of patent 14 years
(Cl. D44-29)



The ornamental design for a corkscrew, as shown and described.

148,811
DESIGN FOR A COSMETIC BAG OR SIMILAR ARTICLE

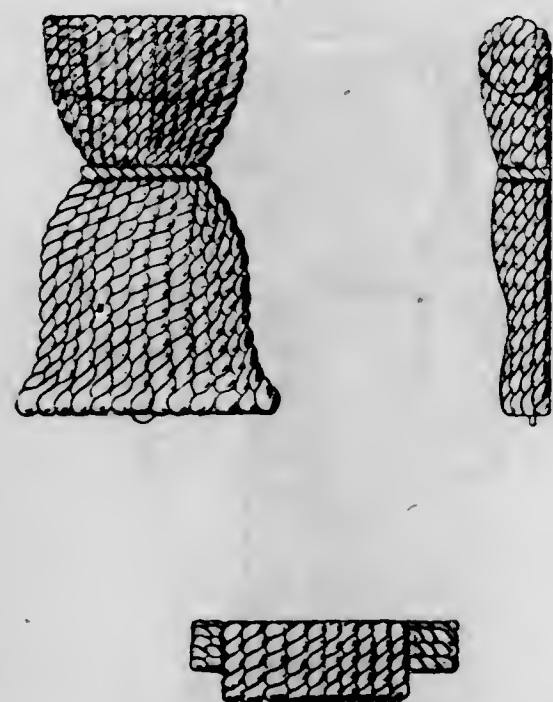
Lilyan Malmstead, New York, N. Y.
Application December 23, 1946, Serial No. 135,700
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a cosmetic bag or similar article, substantially as shown.

148,812
DESIGN FOR A COMBINED LIPSTICK AND VANITY CASE

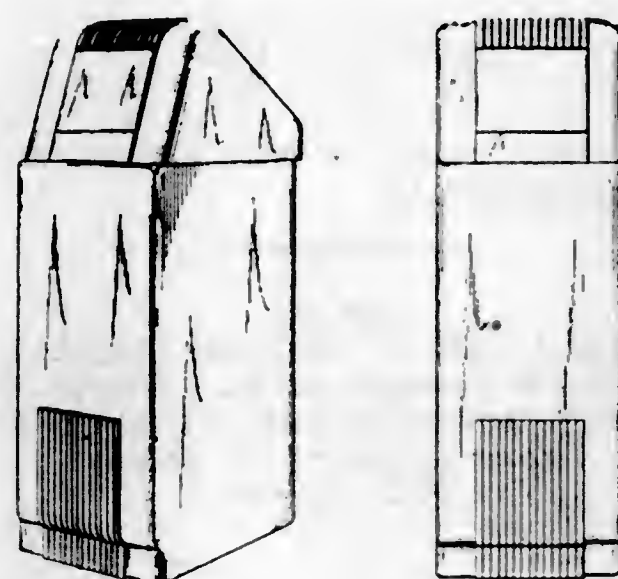
Ladislav Medgyes, New York, N. Y., assignor to Gourielli Inc., New York, N. Y., a corporation of New York
Application November 9, 1946, Serial No. 134,654
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a combined lipstick and vanity case, as shown and described.

148,813
DESIGN FOR A WASTE RECEPTACLE

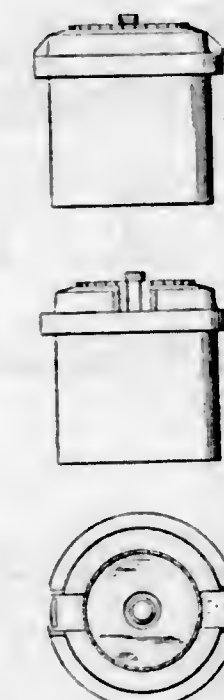
Anthony Naiden, Southwick, Mass., assignor, by mesne assignments, to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application June 22, 1946, Serial No. 130,943
Term of patent 14 years
(Cl. D58—4)



The ornamental design for a waste receptacle, substantially as shown.

148,814
DESIGN FOR A PHOTOGRAPHIC FILM DEVELOPING TANK OR SIMILAR ARTICLE

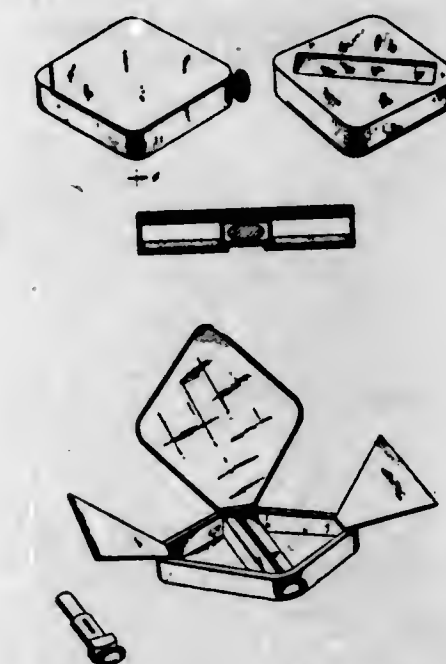
Thomas G. W. Nevell, Riverside, Conn., assignor to The FR Corporation, New York, N. Y., a corporation of New York
Application June 7, 1947, Serial No. 139,516
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a photographic film developing tank, or similar article, as shown.

148,815
DESIGN FOR A COMBINED COMPACT AND LIPSTICK HOLDER

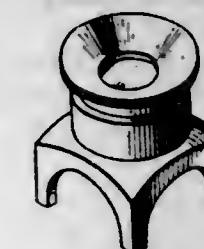
Adolph Olevin, Brooklyn, N. Y.
Application March 30, 1946, Serial No. 128,114
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a combined compact and lipstick holder, shown and described.

148,816
DESIGN FOR A MAGNIFIER

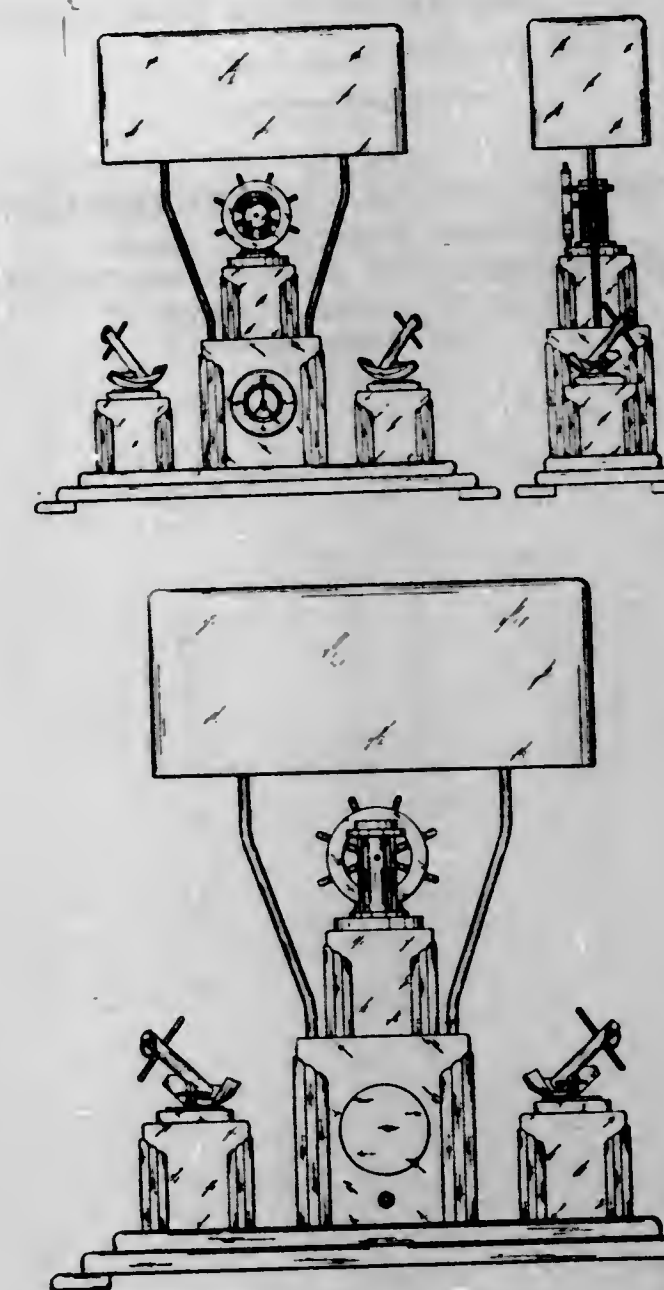
Henry L. Pemstein, Washington, D. C.
Application March 21, 1946, Serial No. 127,762
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a magnifier, as shown and described.

148,817
DESIGN FOR A LAMP

Edward P. Poore and Jay O. Wagner, Sandusky, Ohio
Application December 3, 1946, Serial No. 135,218
Term of patent 7 years
(Cl. D48—20)

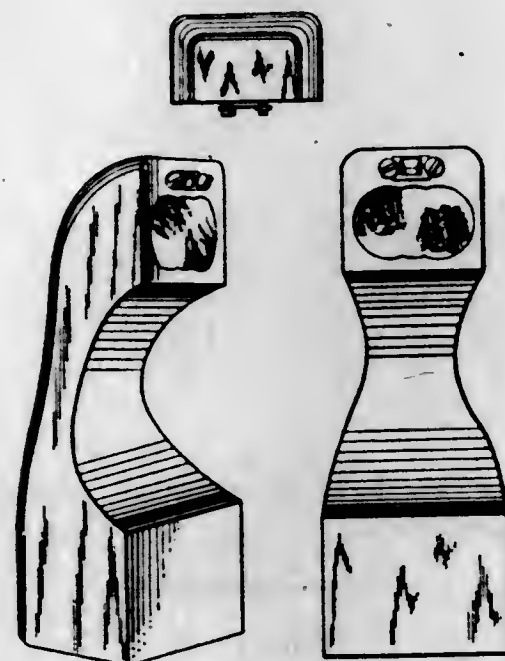


The ornamental design for a lamp, substantially as shown.

148,818

**DESIGN FOR A RADIO CABINET OR
SIMILAR ARTICLE**

John F. Radebaugh, Springfield, Mass.
Application June 20, 1946, Serial No. 130,873
Term of patent 14 years
(Cl. D56-4)

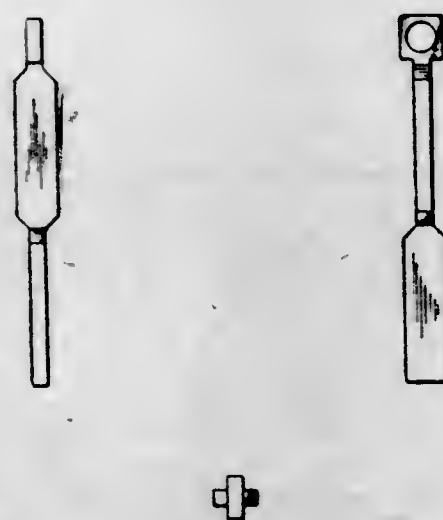


The ornamental design for a radio cabinet or similar article, as shown.

148,819

DESIGN FOR A CIGARETTE HOLDER

Louis Reis, Cincinnati, Ohio
Application February 18, 1946, Serial No. 126,688
Term of patent 14 years
(Cl. D85-8)

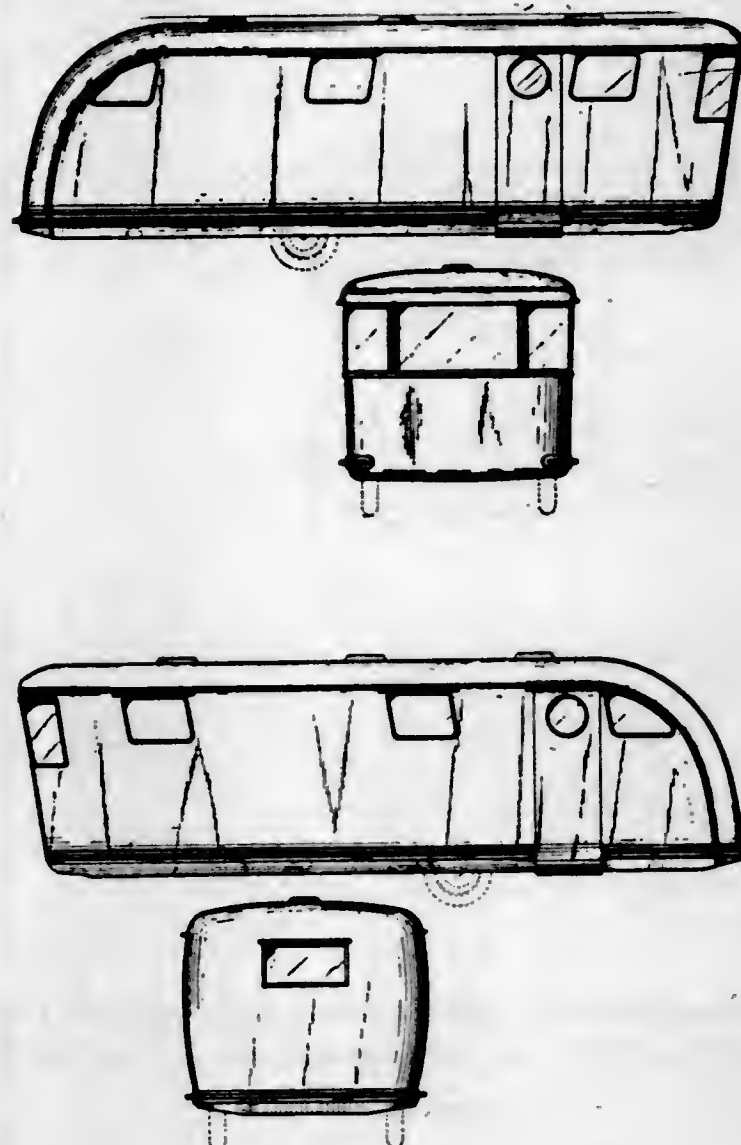


The ornamental design for a cigarette holder, as shown.

148,820

DESIGN FOR A TRAILER

Gerhard R. Schutes, Saginaw, Mich., assignor to
Spartan Aircraft Company, Tulsa, Okla.
Application November 20, 1946, Serial No. 134,958
Term of patent 14 years
(Cl. D14-3)



The ornamental design for a trailer, as shown and described.

148,821

DESIGN FOR A WHEELED TOY ANIMAL

Harry Sebel, London, England
Application May 16, 1946, Serial No. 129,760
Term of patent 14 years
(Cl. D34-2)

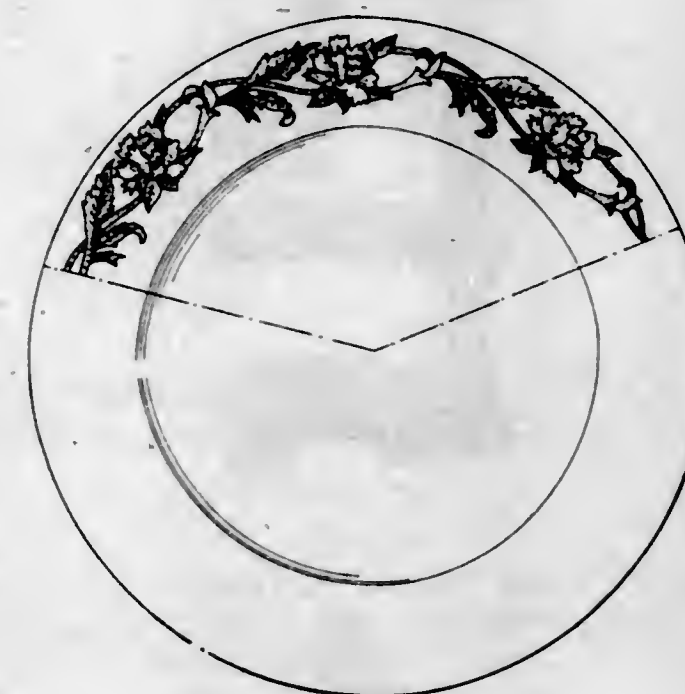


The ornamental design for a wheeled toy animal, as shown.

148,822

DESIGN FOR A PLATE OR THE LIKE

Mary Sebold, New York, N. Y., assignor to Mayer
China Company, Beaver Falls, Pa., a corpora-
tion of Pennsylvania
Application January 11, 1947, Serial No. 136,099
Term of patent 14 years
(Cl. D44-15)

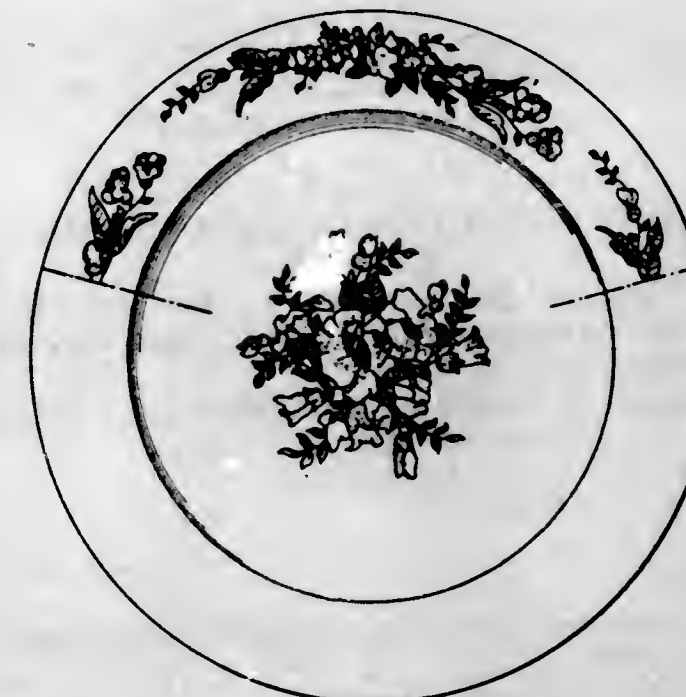


The ornamental design for a plate or the like, as shown and described.

148,823

DESIGN FOR A PLATE OR THE LIKE

Mary Sebold, New York, N. Y., assignor to Mayer
China Company, Beaver Falls, Pa., a corpora-
tion of Pennsylvania
Application January 11, 1947, Serial No. 136,100
Term of patent 14 years
(Cl. D44-15)

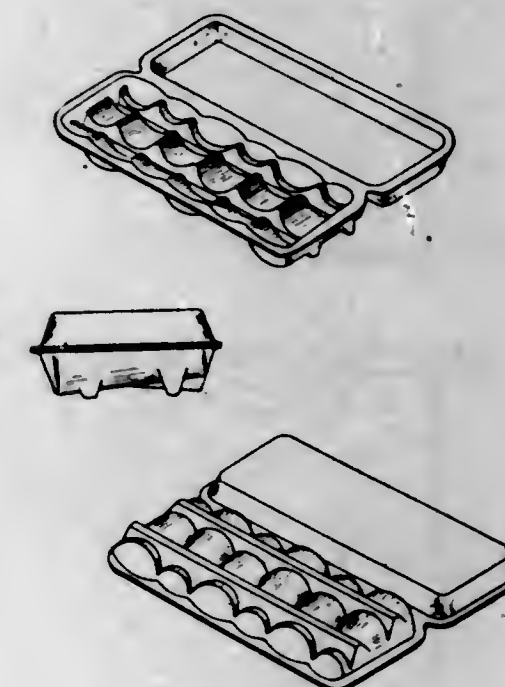


The ornamental design for a plate or the like, as shown and described.

148,824

**DESIGN FOR A PACK FOR GLASS TUMBLERS
OR LIKE FRAGILE ARTICLES**

Ernest L. Shepard, Fairfield, Maine, assignor, by
mesne assignments, to The Canal National
Bank of Portland, Portland, Maine, a national
banking association, and William B. Nulty,
Portland, Maine, as trustees
Application February 23, 1946, Serial No. 126,859
Term of patent 14 years
(Cl. D58-13)



The ornamental design for a pack for glass tumblers or like fragile articles, as shown.

148,825

DESIGN FOR A WASTE RECEPTACLE

Arthur Melville Snider, Waterloo,
Ontario, Canada
Application March 8, 1946, Serial No. 127,261
In Canada September 13, 1945
Term of patent 14 years
(Cl. D58-4)

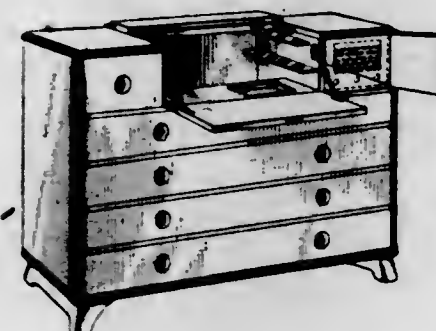
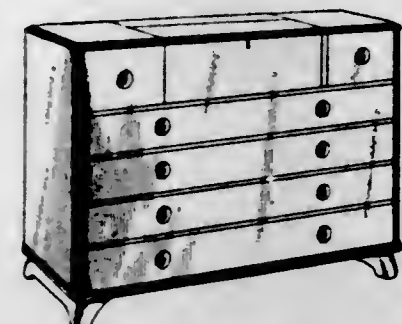


The ornamental design for a waste receptacle, substantially as shown.

148,826

DESIGN FOR A CABINET

Edmond J. Spence, Montclair, N. J., assignor to
National Desk Company, Inc., Herkimer, N. Y.,
a corporation of New York
Application August 26, 1946, Serial No. 132,864
Term of patent 7 years
(Cl. D33—19)



The ornamental design for a cabinet, as shown
and described.

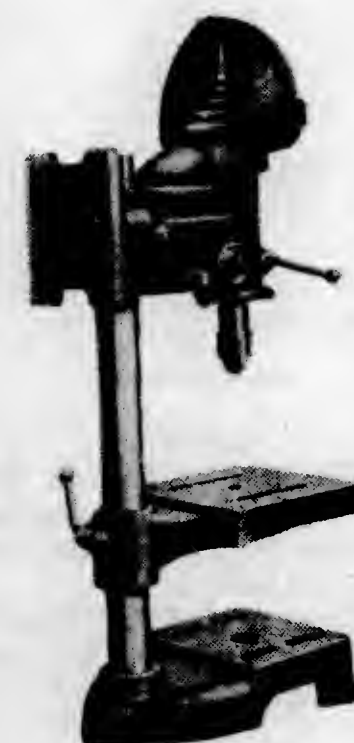
148,827

DESIGN FOR A DRILL PRESS

Clifford Brooks Stevens, Milwaukee, Wis., as-
signor to Rockwell Manufacturing Company,
Pittsburgh, Pa., a corporation of Pennsylvania
Application September 6, 1946, Serial No. 133,095
Term of patent 14 years
(Cl. D63—1)



148,827—Continued

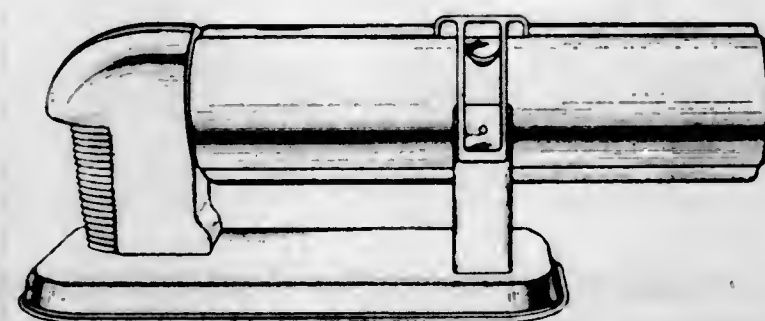


The ornamental design for a drill press, as
shown and described.

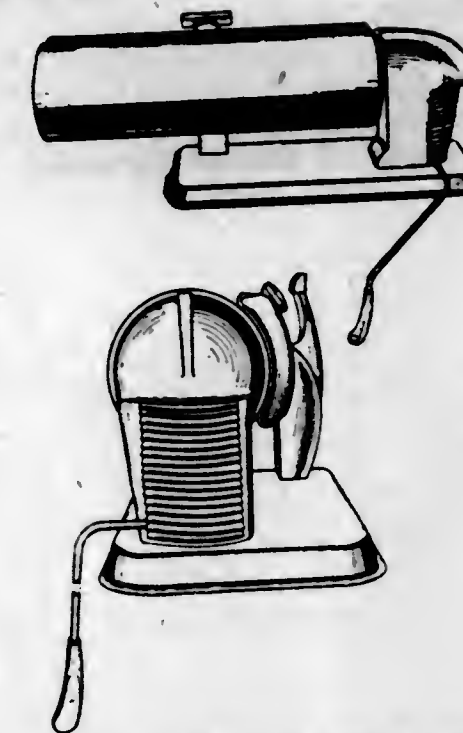
148,828

DESIGN FOR A PORTABLE AUTOMATIC IRONER

John Tjaarda, Detroit, Mich., assignor to The
Sparks-Withington Company, Jackson, Mich.,
a corporation of Ohio
Application March 8, 1946, Serial No. 127,264
Term of patent 14 years
(Cl. D49—6)



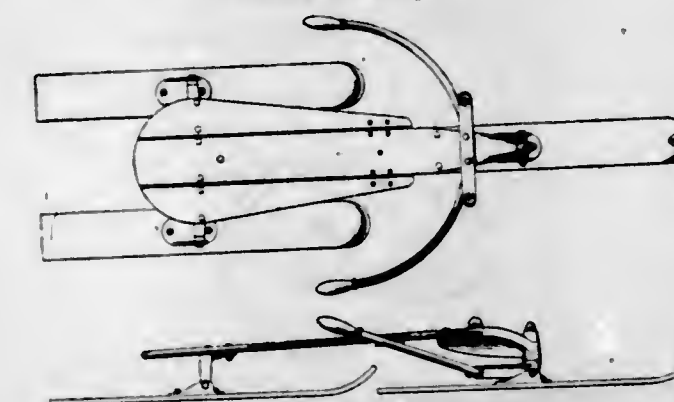
148,828—Continued



The ornamental design for a portable auto-
matic ironer, substantially as shown.

148,829

DESIGN FOR A SNOW SLED OR THE LIKE
John L. Turner, Old Saybrook, Conn.
Application December 6, 1945, Serial No. 124,426
Term of patent 14 years
(Cl. D34—15)

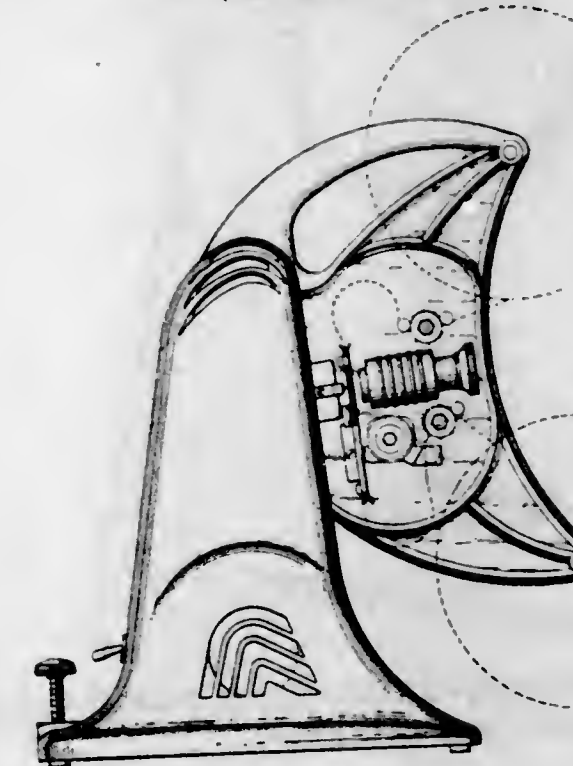


The ornamental design for a snow sled or the
like, as shown.

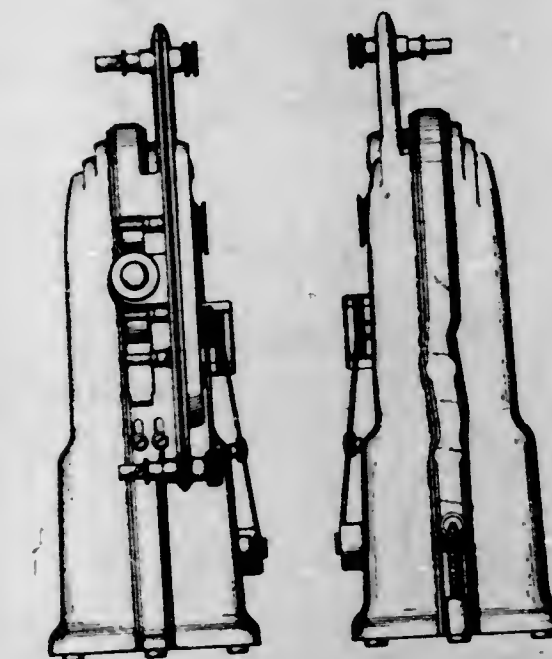
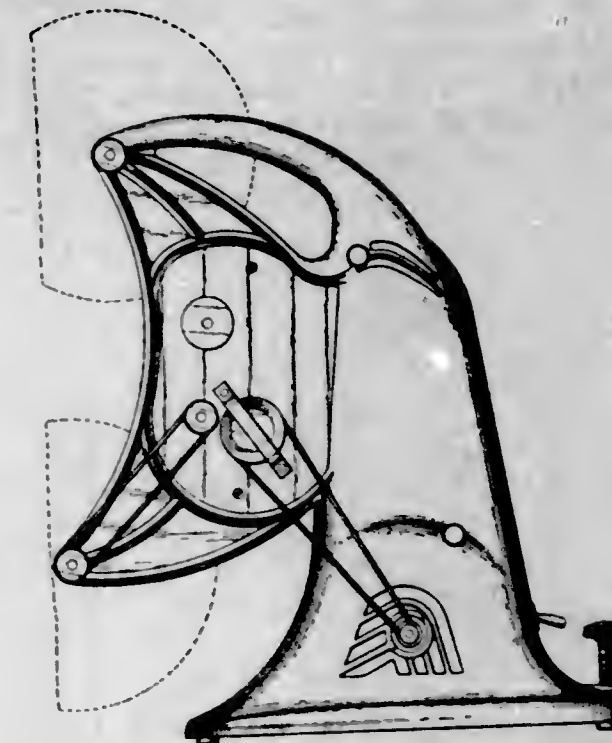
148,830

DESIGN FOR A MOTION PICTURE PROJECTOR

Mario C. Ubaldi, Chicago, Ill., assignor to Excel
Movie Products, Inc., a corporation of Illinois
Application June 16, 1947, Serial No. 139,712
Term of patent 14 years
(Cl. D61—1)



148,830—Continued

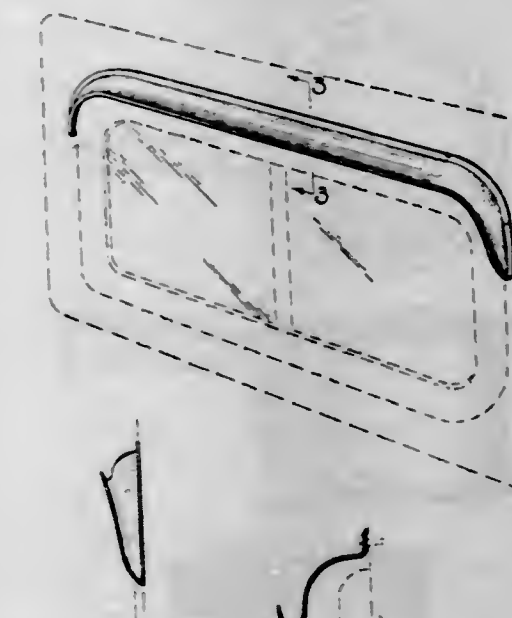


The ornamental design for a motion picture
projector, as shown and described.

148,831

DESIGN FOR A COMBINATION LOUVRE AND DRIP MOLDING

Carl J. Wagner, Detroit, Mich.
Application February 12, 1946, Serial No. 126,519
Term of patent 14 years
(Cl. D14—6)

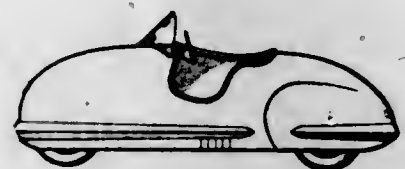
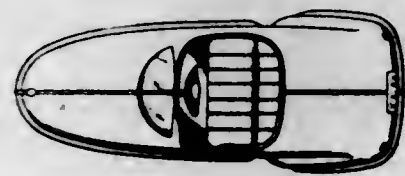
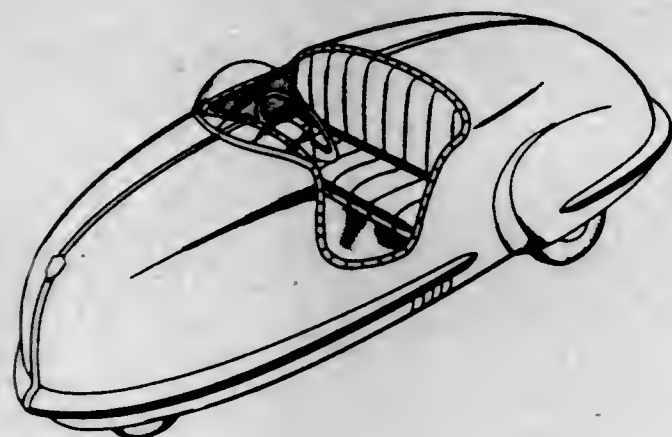


The ornamental design for a combination
louvre and drip molding, substantially as shown
and described.

148,832

DESIGN FOR AN AUTOMOBILE

Robert A. Walker, Pacific Palisades, Calif., assignor to Harlan F. Gowen, Balboa Island, Calif.
Application April 30, 1946, Serial No. 129,127
Term of patent $3\frac{1}{2}$ years
(Cl. D14—3)

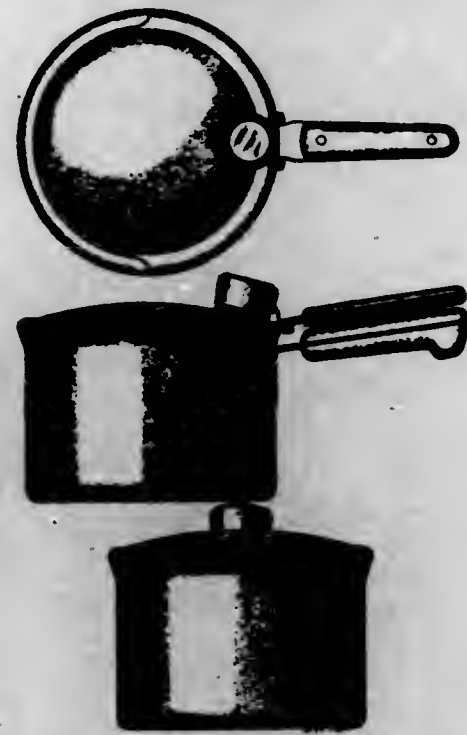


The ornamental design for an automobile, substantially as shown.

148,833

DESIGN FOR A PRESSURE COOKER

William A. Welden, Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application September 6, 1946, Serial No. 133,117
Term of patent 14 years
(Cl. D44—1)

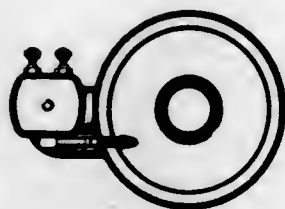
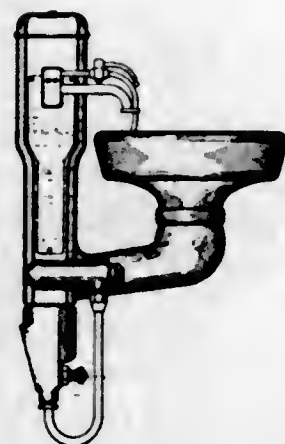
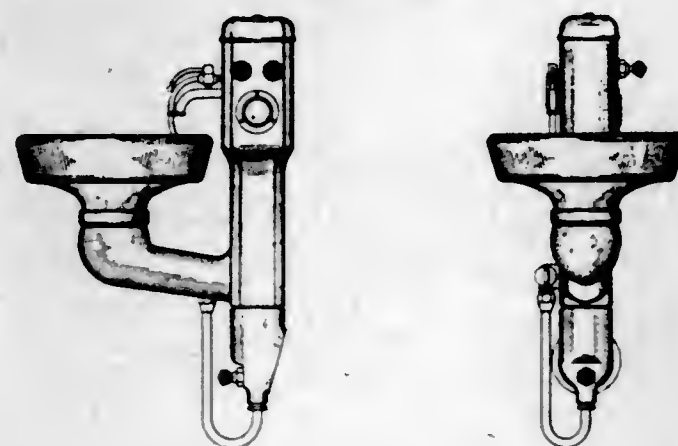


The ornamental design for a pressure cooker, substantially as shown.

148,834

DESIGN FOR A DENTAL CUSPIDOR UNIT

Edwin J. Wester, Rochester, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application March 28, 1947, Serial No. 138,011
Term of patent 14 years
(Cl. D24—1)



The ornamental design for a dental cuspidor unit, substantially as shown.

148,835

DESIGN FOR A ROUND-THE-NECK MIRROR

Samuel J. Winslow, Providence, R. I.
Application January 2, 1947, Serial No. 135,901
Term of patent $3\frac{1}{2}$ years
(Cl. D86—10)

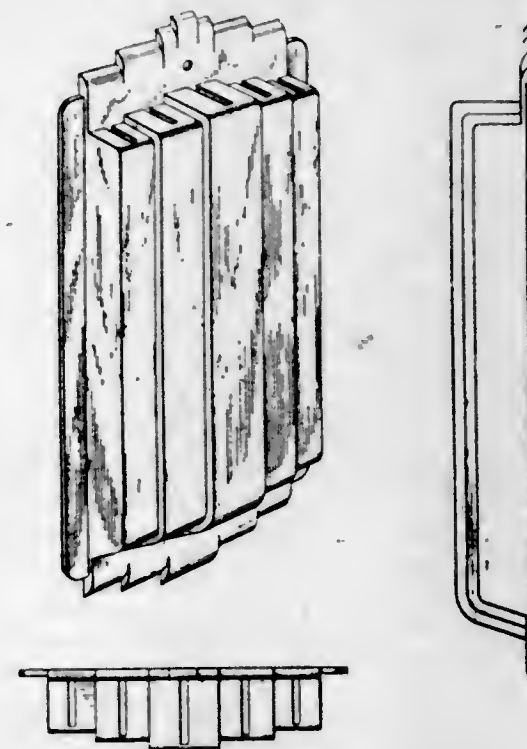


The ornamental design for a round-the-neck mirror, as shown and described.

148,836

DESIGN FOR A KNIFE HOLDER

Bertram W. Coltman, Kenilworth, Ill., assignor to Republic Molding Corporation, Chicago, Ill., a corporation of Illinois
Application September 7, 1946, Serial No. 133,153
Term of patent 14 years
(Cl. D44—29)



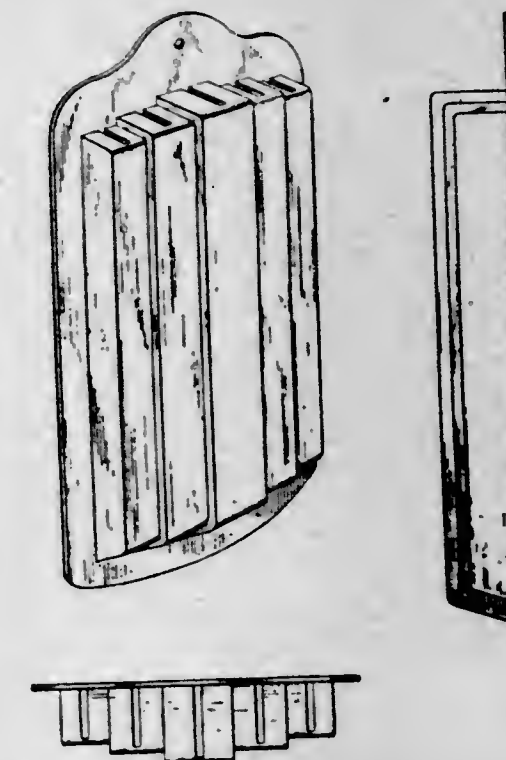
The ornamental design for a knife holder, substantially as shown and described.

607 O. G.—50

148,837

DESIGN FOR A KNIFE HOLDER

Bertram W. Coltman, Kenilworth, Ill., assignor to Republic Molding Corporation, Chicago, Ill., a corporation of Illinois
Application September 7, 1946, Serial No. 133,154
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a knife holder, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Abbott Laboratories, North Chicago, Ill. Anticonvulsant. Serial No. 531,173, Feb. 24. Class 6.
- Abbott Laboratories, North Chicago, Ill. Sedative preparation. Serial No. 533,660, Feb. 24. Class 6.
- Air-Trol, Chicago, Ill. Air powered presses and air cylinders, and fittings therefor. Serial No. 521,168, Feb. 24. Class 23.
- Alkuno and Company, Inc. The, assignee: See—
- F. N. Industrial Corporation.
- American Cyanamid Company, New York, N. Y. Charcoal precipitants. Serial No. 530,703, Feb. 24. Class 6.
- Amity Notion Co., Inc., New York, N. Y. Straight pins, safety pins, hooks and eyes, and loop fasteners, etc. Serial No. 519,371, Feb. 24. Class 40.
- Andersen's Foods, Inc., Buellton, Calif. Comic strip. Serial No. 531,004, Feb. 24. Class 38.
- Animation, Inc., Los Angeles, Calif. Combined electrical and mechanical advertising display projectors. Serial No. 516,595, Feb. 24. Class 21.
- Apex Industries, Inc., New York, N. Y. Radio receiving sets, electric phonographs, and television receiving sets. Serial No. 497,640, Feb. 24. Class 21.
- Atlas Lubricator Manufacturing Co., Inc., Rochester, N. Y. Battery terminal lubricators. Serial No. 515,019, Feb. 24. Class 21.
- Avco Manufacturing Corporation, Detroit, Mich. Sinks, and fittings therefor. Serial No. 525,180, Feb. 24. Class 13.
- Barker, Moore & Mein Company, Philadelphia, Pa. Publication. Serial No. 515,693, Feb. 24. Class 38.
- Basic Vegetable Products Co., Vacaville and San Francisco, Calif. Dried onions. Serial No. 494,481, Feb. 24. Class 46.
- Bechler, Andre, Moutier, Switzerland. Automatic lathes. Serial No. 517,111, Feb. 24. Class 23.
- Blagaard, Kai O. H., Copenhagen, Denmark. Oil and grease guns and parts thereof. Serial No. 524,333, Feb. 24. Class 23.
- Blue Heron Cranes: See—
- Ormsby, Arwin E.
- Boyce-Lazarus Company, Johnstown, N. Y. Gloves. Serial No. 521,110, Feb. 24. Class 39.
- Bradt Company, Inc., St. Louis, Mo. Sundry items of men's novelty jewelry. Serial No. 510,826, Feb. 24. Class 28.
- Brode, Harry, Flushing, N. Y. After shaving lotion. Serial No. 499,480, Feb. 24. Class 6.
- Brookfield Laboratories, Brookfield, Ill. Medicinal preparations. Serial No. 532,554, Feb. 24. Class 6.
- Brooks Brothers, New York, N. Y. Books, calendars, greeting cards, etc. Serial No. 531,307, Feb. 24. Class 38.
- Brosko Inc., Yemassee, S. C. Salad dressing. Serial No. 515,020, Feb. 24. Class 46.
- Brown, Joseph C., doing business as Brown's Jewelry, Stockton, Calif. Jewelry. Serial No. 504,471, Feb. 24. Class 28.
- Brown's Jewelry: See—
- Brown, Joseph C.
- Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal preparation. Serial No. 529,135, Feb. 24. Class 6.
- Carla Shoe Mfg. Company, Lawrence, Mass. Shoes. Serial No. 525,539, Feb. 24. Class 39.
- Challenge Machinery Company, The, Grand Haven, Mich. Paper cutting machines. Serial No. 525,189, Feb. 24. Class 23.
- Chemical Enterprise Laboratories, Fresno, Calif. Liquid silver plating compositions. Serial No. 516,760, Feb. 24. Class 6.
- Chemicolloid Laboratories, Inc., New York, N. Y. Colloid mills. Serial No. 525,296, Feb. 24. Class 23.
- Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly, perfumed petroleum jelly, medicated petroleum, jellies, etc. Serial Nos. 519,626-7, Feb. 24. Class 6.
- Child Life, Inc., Boston, Mass. Monthly publication. Serial No. 531,889, Feb. 24. Class 38.
- Children's Educational Letters Co., Los Angeles, Calif. Children's educational letters. Serial No. 523,049, Feb. 24. Class 38.
- Cleveland, Clark, Incorporated, Binghamton, N. Y. Laxative or intestinal regulator. Serial No. 533,269, Feb. 24. Class 6.
- Colby, Carl, Milwaukee, Wis. Kitchen utensil. Serial No. 525,191, Feb. 24. Class 23.
- Colleen Coats Inc., New York, N. Y. Ladies', misses' and junior misses' coats. Serial No. 515,023, Feb. 24. Class 39.
- Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Typewriter ribbons and carbon paper. Serial Nos. 535,301-2, Feb. 24. Class 11.
- Compagnie Générale de Télégraphie Sans Fil, Paris, France. Electric tubes and lamps, electronic tubes, velocity-modulated tubes, etc. Serial No. 512,051, Feb. 24. Class 21.
- Consolidated Retail Stores, Inc., St. Louis, Mo. Shoes. Serial Nos. 527,613-14, Feb. 24. Class 39.
- Cook, Richard R., assignee: See—
- Dustric Corporation.
- Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial Nos. 514,254-5, Feb. 24. Class 6.
- Creameries of America, Inc., doing business as Valleymaid Creameries, Los Angeles, Calif. Ice cream. Serial No. 516,829, Feb. 24. Class 46.
- Crop-Saver Chemical Company, Inc., Chicago, Ill. Liquid and powder insecticide. Serial No. 528,948, Feb. 24. Class 6.
- Crystal Products Co., Kansas City, Mo., assignor to Crystal Products Company, Inc. Radio receiving sets and parts thereof. Serial No. 490,933, Feb. 24. Class 21.
- Crystal Products Company, Inc., assignee: See—
- Crystal Products Co.
- Cuthbert, H. W., doing business as P. T. Cuthbert & Co., New York, N. Y. Hosiery. Serial No. 516,399, Feb. 24. Class 39.
- Cuthbert, P. T. & Co.: See—
- Cuthbert, H. W.
- Cutting Room Appliances Corporation, New York, N. Y. Cloth laying machines and parts therefor. Serial No. 508,794, Feb. 24. Class 23.
- Dallo Fabrics, New York, N. Y. Rayon piece goods. Serial No. 506,995, Feb. 24. Class 42.
- Debby-Lou Sportswear Inc., Boston, Mass. Women's sportswear. Serial Nos. 538,250-2, Feb. 24. Class 39.
- Debby-Lou Sportswear Inc., Boston, Mass. Women's divided skirts. Serial No. 538,253, Feb. 24. Class 39.
- Dodson, Doris, Garment Company: See—
- Forest City Manufacturing Company.
- Dustric Corporation, assignor to Richard R. Cook, Chicago, Ill. Portable electrostatic dust collectors. Serial No. 523,218, Feb. 24. Class 21.
- Ellesin, May L., Pittsburgh, Pa. Babies' booties. Serial No. 522,924, Feb. 24. Class 39.
- Eloga, A. G., Longean, Switzerland. Watches. Serial No. 514,648, Feb. 24. Class 27.
- F. N. Industrial Corporation, Bergenfield, N. J., assignor to Alkuno and Company, Inc., New York, N. Y. Coin-controlled nut vending machines. Serial No. 523,574, Feb. 24. Class 23.
- Faber, Coe & Gregg, Inc., New York, N. Y. Smoking tobacco. Serial No. 530,634, Feb. 24. Class 17.
- Faini, Enrico, also doing business as Metallurgica Riccardo Faini, Milan, Italy. Umbrellas. Serial No. 520,331, Feb. 24. Class 41.
- Fernandez, Manuel, Co., S. A., Habana, Cuba. Cordials and liqueurs. Serial No. 506,301, Feb. 24. Class 49.
- Finesse Wristlet: See—
- Gernstenblith, Dora.
- Fink, Samuel, Utica, N. Y. Hosiery, underwear, sweaters, etc. Serial No. 531,621, Feb. 24. Class 39.
- Flamingo Products, Inc., Canville, Ill. Bob pins. Serial No. 527,486, Feb. 24. Class 40.
- Forest City Manufacturing Company, St. Louis, Mo. Wearing apparel. Serial No. 536,598, Feb. 24. Class 39.
- Forest City Manufacturing Company, St. Louis, Mo. Women's and girls' wearing apparel. Serial No. 536,599, Feb. 24. Class 39.
- Forest City Manufacturing Company, doing business as Doris Dodson Garment Company, St. Louis, Mo. Junior misses' street, sport, and house dresses. Serial No. 536,600, Feb. 24. Class 39.
- Franklin, L. K., Corporation, Los Angeles, Calif. Combination brush and hose attachment. Serial No. 521,009, Feb. 24. Class 23.
- Frenchee Cosmetics: See—
- Stock, Edwin C.
- Gage Brothers and Company, Chicago, Ill. Ladies' hats. Serial No. 537,795, Feb. 24. Class 39.
- Gardner Cine Company, Los Angeles, Calif. Photographic equipment. Serial No. 504,546, Feb. 24. Class 26.
- General Aniline & Film Corporation, New York and Binghamton, N. Y. Photographic goods. Serial No. 515,949, Feb. 24. Class 26.
- Gernstenblith, Dora, doing business as Finesse Wristlet, New York, N. Y. Watch bracelets and the like. Serial No. 505,575, Feb. 24. Class 28.
- Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. Serial No. 498,622, Feb. 24. Class 23.

LIST OF TRADE-MARK APPLICANTS

Globe Tailoring Company, The, Cincinnati, Ohio. Men's, young men's, and boys' clothing. Serial No. 524,180, Feb. 24. Class 39.

Goodrich, B. F. Company, The, Akron, Ohio. Heels and topknots for shoes. Serial No. 523,521, Feb. 24. Class 39.

Graham, John H. & Co., Inc., New York, N. Y. Mops. Serial No. 534,770, Feb. 24. Class 29.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Rice breakfast cereal. Serial No. 528,278, Feb. 24. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Breakfast cereal. Serial No. 528,279, Feb. 24. Class 46.

Hasslein, Mahamud Acrama, Buenos Aires, Argentina. Bracelets, ear rings, ornamental clips, etc. Serial No. 503,903, Feb. 24. Class 28.

Heard, E. C. Company: See—
Heard, Edward C.

Heard, Edward C., doing business as E. C. Heard Company, Huntington Park, Calif. Copy holders for typists. Serial No. 525,215, Feb. 24. Class 37.

Hillyard Chemical Company, St. Joseph, Mo. Disinfectant and antiseptic. Serial No. 529,385, Feb. 24. Class 6.

Home Furnishings Style Council, New York, N. Y. Wallpaper. Serial No. 517,131, Feb. 24. Class 37.

Home of Onesiphorus, Chicago, Ill. Magazine. Serial No. 522,908, Feb. 24. Class 38.

House Beautiful Curtains, Inc., New York, N. Y. Shower curtains. Serial No. 525,330, Feb. 24. Class 13.

Illinois Condenser Co., Chicago, Ill. Electrical condensers. Serial No. 525,851, Feb. 24. Class 21.

Imperial Pearl Syndicate, Inc., Chicago, Ill. Cultured pearls, cultured pearl necklaces, cultured pearl rings, etc. Serial No. 530,823, Feb. 24. Class 28.

Irwin Auger Bit Company, The, Wilmington, Ohio. Handles for screw drivers. Serial No. 497,311, Feb. 24. Class 23.

Iselin-Jefferson Company, Inc., New York, N. Y. Cotton piece goods. Serial No. 533,581, Feb. 24. Class 42.

Kaufman & Ruderman, Inc., New York, N. Y. Costume jewelry. Serial No. 530,319, Feb. 24. Class 28.

Keyboard Jr. Publications, Incorporated, New Haven, Conn. Periodical. Serial No. 531,485, Feb. 24. Class 38.

Kleinert, I. B., Rubber Company, Inc., New York, N. Y. Window curtains and drapes. Serial No. 532,297, Feb. 24. Class 42.

Lane, Fred, Company, Chicago, Ill. Inhibitor of bacteria and mold formation. Serial No. 519,670, Feb. 24. Class 6.

Lawson Products, Inc., Pawtucket, R. I. Girdles. Serial No. 492,387, Feb. 24. Class 39.

Lelong, Lucien, Inc., Chicago, Ill. Lipstick. Serial No. 530,217, Feb. 24. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Cologne. Serial No. 530,224, Feb. 24. Class 6.

Lion Chemical Company, Chicago, Ill. Chemical preparation. Serial No. 531,226, Feb. 24. Class 6.

Lorillard, P., Company, New York, N. Y. Cigarettes. Serial No. 525,627, Feb. 24. Class 17.

Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 525,629, Feb. 24. Class 17.

Magazine Enterprises, Inc., New York, N. Y. Comic magazine. Serial No. 531,924, Feb. 24. Class 38.

Maloney-Crawford Tank & Mfg. Co., Tulsa, Okla. Oil and gas separators. Serial No. 520,752, Feb. 24. Class 23.

Manchester Hosiery Mills, Manchester, N. H. Women's hosiery. Serial No. 528,294, Feb. 24. Class 39.

Marcus, Max, New York, N. Y. Telephone number index in book form. Serial No. 477,842, Feb. 24. Class 37.

Metallic Arts Company, Cambridge, Mass. Electrical panels. Serial No. 470,205, Feb. 24. Class 21.

Metallurgica Riccardo Faini: See—
Faini, Enrico.

Metal-Tex Corporation, Racine, Wis. Portable, electric window ventilator units. Serial No. 515,322, Feb. 24. Class 34.

Midwest Rubber Reclaiming Company, East St. Louis, Ill. Employees' magazine. Serial No. 512,189, Feb. 24. Class 38.

Molinari, David A., San Francisco, Calif. Perfume, toilet water, cologne, etc. Serial No. 534,310, Feb. 24. Class 6.

Molinari, David A., San Francisco, Calif. Perfume, toilet water, cologne, etc. Serial No. 534,312, Feb. 24. Class 6.

Munising Wood Products Company, Inc., Chicago, Ill. Clothespins. Serial No. 530,548, Feb. 24. Class 24.

National Carbon Company, Inc., New York, N. Y. Centrifugal pumps and parts thereof. Serial No. 525,372, Feb. 24. Class 23.

National Carbon Company, Inc., New York, N. Y. Brushes for use in electrical apparatus and electrical machines, granular carbon, etc. Serial No. 525,925, Feb. 24. Class 21.

Newspaper PM, Inc., The, New York, N. Y. Comic strip. Serial No. 532,050, Feb. 24. Class 38.

Niver, Joseph, New York, N. Y. Children's chairs and tables. Serial No. 524,808, Feb. 24. Class 32.

Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. Serial No. 530,950, Feb. 24. Class 38.

Olympic Knitwear, Inc., New York, N. Y. Women's, ladies', and misses' sweaters. Serial No. 524,717, Feb. 24. Class 39.

Ormsby, Arwin E., doing business as Blue Heron Cranes, San Francisco, Calif. Manually operated, wheeled, trackless cranes and manually operated truckbed-mounted cranes. Serial No. 493,389, Feb. 24. Class 23.

Pacific Clay Products, Los Angeles, Calif. Straights and standard size shapes. Serial No. 534,334, Feb. 24. Class 12.

Parfums Felice Co.: See—
Westall, Evelyn.

Parke, Davis & Company, Detroit, Mich. Fungicidal preparation. Serial No. 521,924, Feb. 24. Class 6.

Patch, E. L., Company, The, Stoneham, Mass. Ointment. Serial Nos. 518,361-2, Feb. 24. Class 6.

Peacock, C. D., Inc., Chicago, Ill. Jewelry. Serial No. 525,672, Feb. 24. Class 28.

Perrygraf Corporation, Maywood, Ill. Printed slide-charts. Serial No. 524,078, Feb. 24. Class 38.

Practical Products Company, Minneapolis, Minn. Apparatus for washing mechanical parts. Serial No. 516,721, Feb. 24. Class 23.

Publisher Industries Inc., Philadelphia, Pa. Pure ethyl alcohol. Serial No. 526,596, Feb. 24. Class 49.

Railley Corporation, Cleveland, Ohio. Electric light sockets. Serial No. 499,278, Feb. 24. Class 21.

Random House, Inc., New York, N. Y. Books. Serial No. 530,845, Feb. 24. Class 38.

Raybestos-Manhattan, Inc., Passaic, N. J. Clutch facings and brake linings. Serial No. 529,929, Feb. 24. Class 35.

Raytheon Manufacturing Company, Newton, Mass. High-frequency electronic ovens. Serial No. 526,518, Feb. 24. Class 21.

Robinson & Cleaver Limited, London, England. Sheets, pillow cases, table cloths, etc. Serial No. 525,406, Feb. 24. Class 42.

Rockford Mitten & Hosiery Company, Rockford, Ill. Hosiery. Serial No. 528,511, Feb. 24. Class 39.

Roebbing's, John A., Sons Company, Trenton, N. J. Wire rope, cable, and cord. Serial No. 519,980, Feb. 24. Class 7.

Rogers, D. F. Co.: See—
Rogers, Delmar R.

Rogers, Delmar R., doing business as D. F. Rogers Co., Minneapolis, Minn. Hand-operated automobile jacks. Serial No. 521,361, Feb. 24. Class 23.

Roux Distributing Co., Inc., New York, N. Y. Hair colorings, shampoo tint, and hair dye. Serial No. 530,771, Feb. 24. Class 6.

Roux Distributing Co., Inc., New York, N. Y. Hair colorings, shampoo tint, hair dye, etc. Serial No. 533,203, Feb. 24. Class 6.

Royal Duluth Mills Company, Duluth, Minn. Wool fabrics. Serial No. 511,420, Feb. 24. Class 42.

Royal Tobacco Corporation, New York, N. Y. Cigarettes. Serial No. 500,900, Feb. 24. Class 17.

Rubinstein, Helena, Inc., New York, N. Y. Lipsticks, nail lacquer, creme tint foundation, etc. Serial No. 513,468, Feb. 24. Class 6.

Saginaw Manufacturing Company, York, Pa. Men's and boys' dress, negligee, work, and polo shirts and jackets, and trousers. Serial No. 525,252, Feb. 24. Class 39.

Santulli, Frank, Brooklyn, N. Y. Tiltler set for motion picture equipment. Serial No. 524,486, Feb. 24. Class 26.

Savage Arms Corporation, Utica, N. Y. Manually operated lawn mowers. Serial No. 525,500, Feb. 24. Class 23.

Savage Arms Corporation, Utica, N. Y. Manually operated lawn mowers. Serial No. 525,502, Feb. 24. Class 23.

Schockaert, Jules, Zottegem, Les Nénuphars, Belgium. Electrically operated apparatus for the telemetric transmission of information. Serial No. 519,449, Feb. 24. Class 26.

Sci-Eff-Ec Laboratories, Inc., Cleveland, Ohio. Steam treating compound. Serial No. 529,494, Feb. 24. Class 6.

Silson, Victor, doing business as Victor Silson Company, New York, N. Y. Brushes. Serial No. 538,044, Feb. 24. Class 29.

Silson, Victor, Company: See—
Silson, Victor.

Simplex Manufacturing Corporation, Oakland, Calif. Dry poultry plucking machine. Serial No. 513,849, Feb. 24. Class 23.

Stack, Frank, Hats, Inc., South Norwalk, Conn. Men's fur felt hats and men's straw hats. Serial No. 537,682, Feb. 24. Class 39.

Standard Fabricators: See—
Stienen, Ernest A.

Sterling Plastics Co., Union, N. J. Pouring attachment for bottles. Serial No. 517,331, Feb. 24. Class 13.

Stienen, Ernest A., doing business as Standard Fabricators, New York, N. Y. Dyeing machinery. Serial No. 524,580, Feb. 24. Class 23.

Stock, Edwin C., doing business as Frenchee Cosmetics, Toronto, Ontario, Canada. Cosmetics. Serial No. 494,584, Feb. 24. Class 6.

Surrey Footwear, Inc., New York, N. Y. Shoes. Serial No. 527,366, Feb. 24. Class 39.

LIST OF TRADE-MARK APPLICANTS

Swartzbaugh Manufacturing Company, The, Toledo, Ohio. Domestic electric cookers, roasters, and ranges. Serial No. 517,598, Feb. 24. Class 21.

Teen-Timers, Inc., New York, N. Y. Dresses for girls. Serial Nos. 526,521-2, Feb. 24. Class 39.

Thorin, Malsion J., Pontanevaux, Saone et Loire, France. Wines. Serial No. 505,660, Feb. 24. Class 47.

Tobin, Jack, Inc., Philadelphia, Pa. Children's dresses. Serial No. 537,836, Feb. 24. Class 39.

United Merchants and Manufacturers, Inc., New York, N. Y. Piece goods of wool, cotton, rayon, etc. Serial No. 507,947, Feb. 24. Class 42.

Valleymald Creameries: See—
Creameries of America, Inc.

Vi-Jon Laboratories, Inc., St. Louis, Mo. Perfumes. Serial No. 518,452, Feb. 24. Class 6.

Warrington, Arthur L., Oakland, Calif. Marine engines. Serial No. 515,994, Feb. 24. Class 23.

Weinstock Manufacturing Co., St. Louis, Mo. Wearing apparel. Serial No. 537,759, Feb. 24. Class 39.

Werman, A., & Sons, Inc., Brooklyn, N. Y. Children's leather shoes. Serial No. 501,486, Feb. 24. Class 39.

West Disinfecting Company, Long Island City, N. Y. Portable vaporizers. Serial No. 522,362, Feb. 24. Class 23.

West Disinfecting Company, Long Island City, N. Y. Insecticide. Serial No. 531,400, Feb. 24. Class 6.

Westall, Evelyn, doing business as Parfums Felice Co., New York, N. Y. Perfume and toilet water. Serial No. 498,818, Feb. 24. Class 6.

Whiting Corporation, Harvey, Ill. Electric holists. Serial No. 479,542, Feb. 24. Class 21.

Winters & Crampton Corporation, Grandville, Mich. Latches. Serial No. 524,262, Feb. 24. Class 25.

Worldbeat Industries, Inc., Cudahy, Wis. Curtain stretchers. Serial No. 532,897, Feb. 24. Class 24.

Wyeth Incorporated, Philadelphia, Pa. Penicillin. Serial No. 533,962, Feb. 24. Class 6.

Zapletal, Vratislav, Vlasim, Czechoslovakia. Tea strainers. Serial No. 517,027, Feb. 24. Class 13.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Chemical Company: See—
Remmers Soap Company, The.

Acme Specialty Manufacturing Company, The, Toledo, Ohio. Toilet, stand, wall, extension, triplicate, hand, easel, etc., mirrors. 125,604, May 27, 1919. Republished Feb. 24. Class 32.

Acme White Lead & Color Works, Detroit, Mich. Colors in oil, distemper colors, Japan colors, etc. 66,757, renewed Dec. 24, 1947. O. G. Feb. 24. Class 16.

Aeolian American Corporation, East Rochester, N. Y. Radio receiving sets. 436,837-8, Feb. 24; Serial Nos. 524,275-6, published Nov. 25, 1947. Class 21.

Aluminum Goods Mfg. Co., Manitowoc, Wis. Aluminum cooking utensils. 436,826, Feb. 24; Serial No. 518,687, published Dec. 2, 1947. Class 13.

American Blower Company, to American Blower Corporation, Detroit, Mich. Nonelectric ventilating fans. 237,681, renewed Jan. 17, 1948. O. G. Feb. 24. Class 34.

American Blower Corporation: See—
American Blower Company.

Davidson, Samuel C.

American Blower Corporation, to American Blower Corporation, Detroit, Mich. Electrically-driven ventilating fans. 238,318, renewed Feb. 7, 1948. O. G. Feb. 24. Class 21.

American Cranberry Exchange, by American Cranberry Exchange, Incorporated, New York, N. Y. Cranberries. 114,671, Jan. 2, 1917. Republished Feb. 24. Class 46.

American Cranberry Exchange, Incorporated: See—
American Cranberry Exchange.

American Cranberry Exchange, Incorporated, New York, N. Y. Cranberry sauce, cranberry jelly. 193,249, Dec. 23, 1924. Republished Feb. 24. Class 46.

American Fork and Hoe Company, The: See—
American Fork & Hoe Company, The.

Kelly Axe Manufacturing Co., Inc.

Turner, Day & Woolworth Handle Company.

American Fork & Hoe Company, The, Cleveland, Ohio. Hand cultivators. 146,160, Sept. 6, 1921. Republished Feb. 24. Class 23.

American Fork & Hoe Company, The, Cleveland, Ohio. Certain farm, garden and other hand tools, forks, etc. 146,672, Sept. 20, 1921. Republished Feb. 24. Class 23.

American Fork & Hoe Company, The, Cleveland, Ohio. By the American Fork and Hoe Company, Cleveland, Ohio. Stamped-metal handle tops. 206,556, Dec. 8, 1925. Republished Feb. 24. Class 23.

American Fork & Hoe Company, The, Cleveland, Ohio. Spading forks, hoes, and rakes. 237,935, Jan. 24, 1928. Republished Feb. 24. Class 23.

American Fork & Hoe Company, The, Cleveland, Ohio. Spading forks, hoes, and rakes. 238,211, Jan. 31, 1928. Republished Feb. 24. Class 23.

American Fork & Hoe Company, The, Cleveland, Ohio. Fishing rods, handles, fishing reels, etc. 239,511, Mar. 6, 1928. Republished Feb. 24. Class 22.

American Home Foods, Inc.: See—
Chef Boy-Ar-Dee Quality Foods, Inc.

American Oil Company, The, Baltimore, Md. Gasoline. 436,833, Feb. 24; Serial No. 521,424, published Nov. 11, 1947. Class 15.

American Skeln & Foundry Company, Racine, Wis. Piano plates. 180,817, Feb. 26, 1924. Republished Feb. 24. Class 36.

Apex Hosiery Company, Philadelphia, Pa. Hosiery. 129,118, Jan. 27, 1920. Republished Feb. 24. Class 39.

Appleton Electric Company, Chicago, Ill. Electric outlet-boxes. 69,532, June 16, 1908. Republished Feb. 24. Class 21.

Ariston, Incorporated, New York, N. Y. Metal vases and metal stands and holders. 436,806, Feb. 24; Serial No. 508,459, published Nov. 18, 1947. Class 13.

Armo Drainage & Metal Products, Inc.: See—
California Corrugated Culvert Co.

Armour and Company, Chicago, Ill. Musical-instrument strings. 134,575, Sept. 14, 1920. Republished Feb. 24. Class 36.

Armour and Company, Chicago, Ill. Musical instruments and supplies. 134,576, Sept. 14, 1920. Republished Feb. 24. Class 36.

Armour and Company, Chicago, Ill. Musical-instrument strings. 134,577-8, Sept. 14, 1920. Republished Feb. 24. Class 36.

Asbestos Shingle, Slate & Sheathing Company, by Keasbey & Mattison Company, Ambler, Pa. Asbestos board. 245,366, Aug. 14, 1928. Republished Feb. 24. Class 12.

Avco Manufacturing Corporation, assignee: See—
New Idea, Inc.

Belden Manufacturing Company, Chicago, Ill. Insulated electrical conducting wires. 223,258, Jan. 25, 1927. Republished Feb. 24. Class 21.

Bemis Bro. Bag Company, St. Louis, Mo. Parcel-post mailing-envelopes. 126,640, Sept. 30, 1919. Republished Feb. 24. Class 2.

Bemis Bro. Bag Company, St. Louis, Mo. Paper sacks. 245,747, Aug. 21, 1928. Republished Feb. 24. Class 2.

Bentley Maudesley & Co., Limited, London, England. Oil preparation for addition to petrol. 436,819, Feb. 24; Serial No. 516,250, published Nov. 4, 1947. Class 15.

Bergh, Ross F. & Co., Inc.: See—
Griffith, John A., Co. Incorporated.

Berland Shoe Stores, Inc., The, St. Louis, Mo. Wearing apparel. 319,379, Nov. 20, 1934. Corrected. O. G. Feb. 24. Class 39.

Bierhaus, E., & Sons: See—
Bierhaus, John S.

Bierhaus, John S., doing business as E. Bierhaus & Sons, to E. Bierhaus & Sons, Vincennes, Ind. Canned fruit and canned vegetables. 238,071, renewed Jan. 24, 1948. O. G. Feb. 24. Class 46.

O. G. Feb. 24. Class 46.

Bird-Archer Company, The, New York, N. Y. Chemical preparation. 233,548, renewed Oct. 4, 1947. O. G. Feb. 24. Class 6.

Blanke-Baer Extract & Preserving Company, St. Louis, Mo. Flavoring extracts. 237,978, Jan. 24, 1928. Republished Feb. 24. Class 45.

Bonney Forge and Tool Works, Allentown, Pa. Chisels, drift pins, pry bars, etc. 237,871, renewed Jan. 17, 1948. O. G. Feb. 24. Class 23.

Boston & Lockport Block Company, Boston, Mass. Heavy hardware. 233,242, Sept. 27, 1927. Republished Feb. 24. Class 23.

Brewster, William, Company, Inc., by Frederic B. Squires, New York, N. Y. Machine for writing on metals. 123,544, Nov. 19, 1918. Republished Feb. 24. Class 23.

Brown & Bigelow, St. Paul, Minn. Magazine-pencils. 144,356, July 5, 1921. Republished Feb. 24. Class 37.

Brown & Bigelow, St. Paul, Minn. Pencils. 160,402, Oct. 24, 1922. Republished Feb. 24. Class 37.

Brown & Bigelow, St. Paul, Minn. Periodical. 206,121, Nov. 24, 1925. Republished Feb. 24. Class 38.

Brown & Bigelow, St. Paul, Minn. Pyrophoric cigar lighters. 266,667, Jan. 28, 1930. Republished Feb. 24. Class 34.

Brown & Bigelow, St. Paul, Minn. Portfolios, pocket-books, wallets, etc. 268,608, Mar. 18, 1930. Republished Feb. 24. Class 3.

Brown & Bigelow, St. Paul, Minn. Pencils, pens, leads, and rubber erasers. 268,961, Mar. 25, 1930. Republished Feb. 24. Class 37.

Brown & Bigelow, St. Paul, Minn. Pencils. 276,085, Oct. 7, 1930. Republished Feb. 24. Class 37.

Brown & Bigelow, St. Paul, Minn. Playing cards. 279,124, Jan. 6, 1931. Republished Feb. 24. Class 22.

Brown & Bigelow, St. Paul, Minn. Etchings, printed etchings, greeting cards, etc. 283,431, May 26, 1931. Republished Feb. 24. Class 38.

Brown & Bigelow, St. Paul, Minn. Etchings, printed etchings, greeting cards, etc. 290,789, Jan. 19, 1932. Republished Feb. 24. Class 38.

Brown & Bigelow, St. Paul, Minn. Novelties made of molded material. 342,739, Jan. 26, 1937. Republished Feb. 24. Class 37.

Brown & Bigelow, St. Paul, Minn. Pyrophoric pencil lighters. 363,607, Jan. 3, 1939. Republished Feb. 24. Class 34.

Brown & Bigelow, St. Paul, Minn. Telephone index pads. 363,867, Jan. 10, 1939. Republished Feb. 24. Class 37.

Brown & Bigelow, St. Paul, Minn. Calendars. 387,935, June 10, 1941. Republished Feb. 24. Class 38.

Brown & Bigelow, St. Paul, Minn. Printed signs and calendars and decalcomania transfers. 400,518, Mar. 16, 1943. Republished Feb. 24. Class 38.

Brown & Bigelow, St. Paul, Minn. Blotters, pencils and memorandum pads. 412,238, Feb. 27, 1945. Republished Feb. 24. Class 37.

Buescher Band Instrument Co., Elkhart, Ind. Periodical publication. 239,420, renewed Mar. 6, 1948. O. G. Feb. 24. Class 38.

Buffalo Commercial Body Co. Inc., Buffalo, N. Y., by Divco Corporation, Detroit, Mich. Automobiles. 247,615, Oct. 2, 1928. Republished Feb. 24. Class 19.

Burgess Battery Company, Madison, Wis., by Burgess Battery Company, Freeport, Ill. Electric batteries. 134,605, Sept. 14, 1920. Republished Feb. 24. Class 21.

Burrhoughs Adding Machine Company, Detroit, Mich. Publication. 247,563, Oct. 2, 1928. Republished Feb. 24. Class 38.

California Corrugated Culvert Co., Oakland and Berkeley, Calif., by Armo Drainage & Metal Products, Inc., Middletown, Ohio. Metal grain bins, metal watering tanks, metal watering troughs, etc. 153,421, Mar. 21, 1922. Republished Feb. 24. Class 2.

Cannon, Frank, Enterprises, Dayton, Ohio. Furniture glides. 436,805, Feb. 24; Serial No. 508,140, published Dec. 2, 1947. Class 13.

Carnot, Henrietta: See—
Munsch-Protzmann Co.

Carpenter Shoe Company, Inc., The, Rochester, N. Y. Leather boots and shoes. 166,081, Mar. 27, 1923. Republished Feb. 24. Class 39.

Carpinteria Lemon Association: See—
Hubbard, C. D. Fruit Co.

Carter, Chauncey P., Washington, D. C. Periodical publications. 231,019, Aug. 9, 1927. Republished Feb. 24. Class 38.

Cellucotton Products Company, Neenah, Wis., by International Cellucotton Products Company, Chicago, Ill. Absorbent pads or sheets. 215,866, July 27, 1926. Republished Feb. 24. Class 44.

Central Radio Laboratories, by Globe-Union Inc., Milwaukee, Wis. Radio signaling apparatus and parts thereof. 174,599, Oct. 23, 1923. Republished Feb. 24. Class 21.

Central Radio Laboratories, by Globe-Union Inc., Milwaukee, Wis. Rheostats and resistance devices. 217,658, Sept. 7, 1926. Republished Feb. 24. Class 21.

Charmette Fabrics Company, Inc.: See—
Chopak Textile Co. Inc.

Chatfield & Woods Company, The, by The Chatfield & Woods Sack Company, Cincinnati, Ohio. Paper bags. 111,347, July 11, 1916. Republished Feb. 24. Class 2.

Chatfield & Woods Sack Company: See—
Chatfield & Woods Company.

Chef Boy-Ar-Dee Quality Foods, Inc., Milton, Pa., now by change of name American Home Foods, Inc. Canned spaghetti sauce, spaghetti and beef meat balls, beef meat balls, etc. 436,809, Feb. 24; Serial No. 510,881, published Nov. 25, 1947. Class 46.

Chicago Gum Tape Company, Chicago, Ill. Gummed and ungummed paper sealing, veneer and stay tapes. 234,054, renewed Oct. 18, 1947. O. G. Feb. 24. Class 37.

Chicago Steel Foundry Company, Chicago, Ill. Steel castings. 243,389, June 19, 1928. Republished Feb. 24. Class 14.

Chocolate Products Company, Chicago, Ill. Nonalcoholic maltless beverages. 213,971, June 8, 1920. Republished Feb. 24. Class 45.

Chopak Textile Co. Inc., to Charmette Fabrics Company, Inc., New York, N. Y. Woolen jersey. 240,910, renewed Apr. 10, 1948. O. G. Feb. 24. Class 42.

Chronicle Publishing Company, The, San Francisco, Calif. Daily newspaper. 121,044, Apr. 2, 1918. Republished Feb. 24. Class 38.

Citrus Fruit Association of Ontario, to Citrus Fruit Growers, Ontario, Calif. Fresh citrus fruits. 237,454, renewed Jan. 10, 1948. O. G. Feb. 24. Class 46.

Citrus Fruit Growers: See—
Citrus Fruit Association of Ontario.

Clark Paper & Manufacturing Co., by Clark Stek-O Corporation, Rochester, N. Y. Flour paste. 164,851, Feb. 27, 1923. Republished Feb. 24. Class 5.

Clark Stek-O Corporation: See—
Clark Paper & Manufacturing Co.

Colledge, E. W., General Sales Agent, Inc., Jacksonville, Fla. Pine tar oil. 236,646, renewed Dec. 20, 1947. O. G. Feb. 24. Class 6.

Columbia Mill & Elevator Company, Columbia, Tenn. Wheat-flour. 66,386, re-renewed Nov. 26, 1947. O. G. Feb. 24. Class 46.

Columbia Mill & Elevator Company, Columbia, Tenn. Wheat-flour. 66,918, re-renewed Jan. 7, 1948. O. G. Feb. 24. Class 46.

Columbian Enameling & Stamping Company, by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Coffee pots, tea pots, coffee boilers, etc. 125,033-4, Apr. 8, 1919. Republished Feb. 24. Class 13.

Columbian Enameling & Stamping Company, by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Enameled ware. 125,407, May 20, 1919. Republished Feb. 24. Class 13.

Columbian Enameling & Stamping Company, by Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Coffee pots, tea pots, coffee boilers, etc. 125,865, June 24, 1919. Republished Feb. 24. Class 13.

Columbian Enameling & Stamping Co., Inc.: See—
Columbian Enameling & Stamping Company.

Container Corporation of America, Chicago, Ill. Paper-board shipping containers. 436,792, Feb. 24; Serial No. 487,071, published Dec. 2, 1947. Class 2.

Co-Operative Industries, Inc., Chester and Summit, N. J. Flexible metal tubing and conduit, and fittings. 436,830, Feb. 24; Serial No. 519,261, published Dec. 2, 1947. Class 13.

Copeland Products, Inc., Detroit, Mich., to Copeland Refrigeration Corporation, Sidney, Ohio. Iceless refrigeration systems. 209,292, renewed Jan. 5, 1948. O. G. Feb. 24. Class 31.

Copeland Refrigeration Corporation: See—
Copeland Products, Inc.

Cosmetique Laboratories of America, to Clyde L. Eaton, doing business as Duvelle's, Portland, Oreg. Cosmetics. 238,850, renewed Feb. 14, 1948. O. G. Feb. 24. Class 6.

Cousins, Sue R.: See—
Cousins, Walter H.

Cousins, Walter H., to Sue Reeves Cousins, Dallas, Tex. Monthly publication. 229,373, renewed June 28, 1947. O. G. Feb. 24. Class 38.

Davidson, Samuel C., Belfast, Ireland, to American Blower Corporation, Detroit, Mich. Stoves, furnaces, steam boilers, etc. 65,980, re-renewed Nov. 5, 1947. O. G. Feb. 24. Class 34.

Davidson, Samuel C., Belfast, Ireland, to American Blower Corporation, Detroit, Mich. Centrifugal fans, blowers, propeller fans, etc. 66,042, re-renewed Nov. 5, 1947. O. G. Feb. 24. Classes 23 and 34.

Davies-Young Soap Company, The, Dayton, Ohio. Green soap, vegetable-oil soap, pine-oil disinfectant soap, etc. 157,661, Aug. 15, 1922. Republished Feb. 24. Class 4.

De Soto Paint Manufacturing Co., to De Soto Paint & Varnish Company, Memphis, Tenn. Varnish and ready-mixed paints. 209,407, renewed Feb. 23, 1948. O. G. Feb. 24. Class 16.

De Soto Paint & Varnish Company: See—
De Soto Paint Manufacturing Co.

Detroit Dental Manufacturing Company, to Kerr Manufacturing Company, Detroit, Mich. Dental specialties. 143,846, renewed Jan. 5, 1948. O. G. Feb. 24. Class 44.

Diamond Chain Company, Inc.: See—
Diamond Chain and Manufacturing Company.

Diamond Chain and Manufacturing Company, by The Diamond Chain Company, Inc., Indianapolis, Ind. Machine drive chains, including automobile and bicycle chains. 241,217, Apr. 17, 1928. Republished Feb. 24. Class 13.

Divco Corporation: See—
Buffalo Commercial Body Co. Inc.

Dodge Manufacturing Corporation, Mishawaka, Ind., and Oneida, N. Y., by Dodge Manufacturing Corporation, Mishawaka, Ind. Power transmission machinery. 240,257, Mar. 20, 1928. Republished Feb. 24. Class 23.

Dodge Manufacturing Corporation, Mishawaka, Ind., and Oneida, N. Y., by Dodge Manufacturing Corporation (1935), Mishawaka, Ind. Shaft supports, shaft hangers, bearings. 244,945, July 31, 1928. Republished Feb. 24. Class 23.

Dodge Manufacturing Corporation (1935): See—
Dodge Manufacturing Corporation.

Dominion Chemical Co., Inc., New York, N. Y. Liquid compound used to prevent corrosion and the formation of rust. 436,845, Feb. 24. Class 6.

Dreyfuss, Moise, to Moise Dreyfuss Limited, London, England. Watches and parts thereof. 235,845, renewed Nov. 20, 1947. O. G. Feb. 24.

Dreyfuss, Moise, Limited: See—
Dreyfuss, Moise.

Dumari Textile Co., Inc.: See—
Royal Embroidery Works, Naday & Fleischer.

Dumore Company, The, Racine, Wis. Emery wheels and abrasive bands. 413,930, May 22, 1945. Republished Feb. 24. Class 4.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Lubricating oil and motor tune-up oil. 436,816, Feb. 24; Serial No. 513,615, published Dec. 2, 1947. Class 15.

Duplan Corporation, The: See—
Duplan Silk Corporation.

Duplan Silk Corporation, to The Duplan Corporation, New York, N. Y. Silk piece goods. 220,598-9, renewed Nov. 9, 1946. O. G. Feb. 24. Class 42.

Duplan Silk Corporation, to The Duplan Corporation, New York, N. Y. Silk piece goods. 220,766, renewed Nov. 16, 1946. O. G. Feb. 24. Class 42.

Duvelle's: See—
Cosmetique Laboratories of America.

East Highlands Citrus Association, East Highlands, Calif. Fresh citrus fruits. 237,323, renewed Jan. 10, 1948. O. G. Feb. 24. Class 46.

Eaton, Clyde L.: See—
Cosmetique Laboratories of America.

Electric Railway Improvement Co., The, Cleveland, Ohio. Wire bonds and electrical conductors. 66,420, Nov. 26, 1907. Republished Feb. 24. Class 21.

Emery Industries, Inc., Cincinnati and Marlemon, Ohio. Wax candles. 436,812, Feb. 24; Serial No. 511,866, published Nov. 11, 1947. Class 15.

Erickson, C. E., Co., Inc., Des Moines, Iowa, to The Springfield Leather Products Company, Springfield, Ohio. Leather key holders. 238,149, renewed Jan. 31, 1948. O. G. Feb. 24. Class 3.

Escort Sales Company, Inc., New York, N. Y. Electric razors. 436,829, Feb. 24; Serial No. 519,185, published Nov. 25, 1947. Class 23.

F. & B. Mfg. Co., Chicago, Ill. Automobile repair and replacement parts. 436,804, Feb. 24; Serial No. 507,976, published Nov. 25, 1947. Class 21.

Fabriques Des Montres Zenith S. A. Zenith Watch Manufacturing Ltd., Le Locle, Switzerland. Vehicle watches, clocks, alarm clocks, etc. 184,746, renewed June 3, 1944. O. G. Feb. 24. Class 27.

Fashion Park, Inc.: See—
Stein Bloch Co.

Federal Mill, Inc.: See—
Moseley & Motley Milling Company.

Federal Packing Co., The, Cleveland, Ohio, to Swift & Company, Chicago, Ill. Beef, mutton, lamb, etc. 230,367, renewed July 19, 1947. O. G. Feb. 24. Class 46.

Feinberg, Jacob, doing business as J. F. Underwear Company, to J. F. Underwear Company, Allentown, Pa. Children's athletic waist union suits. 237,885, renewed Jan. 17, 1948. O. G. Feb. 24. Class 39.

Filing Equipment Bureau Incorporated, Boston, Mass. Index cards, guides, folders, and sheets. 231,415, Aug. 16, 1927. Republished Feb. 24. Class 37.

Floyd, Wm. H., doing business as Wm. H. Floyd & Co., Los Angeles, Calif. Canned ripe olives. 436,800, Feb. 24; Serial No. 504,539, published Nov. 25, 1947. Class 46.

Floyd, Wm. H., & Co.: See—
Floyd, Wm. H.

Foster Machine Company, Westfield, Mass. Cone winders, tube winders, and gassing machines. 188,655, Sept. 2, 1924. Republished Feb. 24. Class 23.

Frances Citrus Association, Tustin, Calif., to Frances Citrus Association, Santa Ana, Calif. Fresh grapes, fresh deciduous fruits, fresh citrus fruits, etc. 239,943, renewed Mar. 13, 1948. O. G. Feb. 24. Class 46.

Franco Corset Company, New York, N. Y. Combination corset and brassiere. 241,125, Apr. 17, 1928. Republished Feb. 24. Class 39.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils and greases. 436,821, Feb. 24; Serial No. 517,123, published Dec. 2, 1947. Class 15.

Frieder, S., & Sons Company: See—
Zifferblatt, George.

Fuller, Charles F., doing business as New Haven Products Company, New Haven, Conn. Electric bottle warmers. 436,823, Feb. 24; Serial No. 517,471, published Dec. 2, 1947. Class 21.

Galter, Oscar R., Chicago, Ill. Combination pocket piece, bottle opener and key chain. 436,836, Feb. 24; Serial No. 523,379, published Nov. 25, 1947. Class 23.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 176,911, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, Palmyra, N. Y. Packing and packing material. 180,185, renewed Jan. 5, 1948. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 180,821, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 181,171, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 183,512, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 183,514-18, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 183,550, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 192,814, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 192,816, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 192,816, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 193,140-45, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 193,147-8, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 193,573, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 193,575-85, renewed Jan. 5, 1948. O. G. Feb. 24. Class 35.

General Cable Corporation, New York, N. Y. Bare and insulated electric wires and cables. 436,839, Feb. 24; Serial No. 524,320, published Nov. 25, 1947. Class 21.

General Dyestuff Corporation: See—
Metz, H. A., & Co.

General Fireproofing Company, The, Youngstown, Ohio. Desk tops. 218,135, Sept. 21, 1926. Republished Feb. 24. Class 32.

Ghirardelli, D., Co., San Francisco, Calif. Eating chocolate and chocolate candy. 106,424, Oct. 19, 1915. Republished Feb. 24. Class 46.

Ghirardelli, D., Co., San Francisco, Calif. Chocolate. 127,045, Oct. 21, 1919. Republished Feb. 24. Class 46.

Ghirardelli, D. Company, San Francisco, Calif. Chocolate and cocoa. 189,040, Sept. 9, 1924. Republished Feb. 24. Class 46.

Gibford-Weiffenbach Company, The, doing business as The Habanix Leather Products Company, Adrian, Mich., by Pioneer Suspender Company, Philadelphia, Pa. Belts for personal wear. 190,306, Oct. 14, 1924. Republished Feb. 24. Class 39.

Globe-Union Inc.: See—
Central Radio Laboratories.

Globe-Wernicke Co., The, Norwood, Ohio. Hand punches. 239,215, Feb. 28, 1928. Republished Feb. 24. Class 37.

Goodyear Tire & Rubber Company, The: See—
Marathon Rubber Company, Inc.

Gradiaz, Annis & Co., Inc.: See—
Sanchez & Haya Company.

Graves & Meade & Baker Company, to Standard Laboratories, Inc., New York, N. Y. Tooth powder. 234,714, renewed Nov. 1, 1947. O. G. Feb. 24. Class 6.

Graybar Electric Company, Inc., New York, N. Y. Ammeters, current meters, voltmeters, etc. 234,519, renewed Nov. 1, 1947. O. G. Feb. 24. Class 26.

Graybar Electric Company, Inc., New York, N. Y. Electric ironing machines. 234,627, renewed Nov. 1, 1947. O. G. Feb. 24. Class 24.

Graybar Electric Company, Inc., New York, N. Y. Twisted-wire cable. 235,020, renewed Nov. 8, 1947. O. G. Feb. 24. Class 7.

Graybar Electric Company, Inc., New York, N. Y. Resin-core solder. 235,303, renewed Nov. 15, 1947. O. G. Feb. 24. Class 14.

Greenfield Tap and Die Corporation, Greenfield, Mass. Internal-grinding machines. 238,070, Jan. 24, 1928. Republished Feb. 24. Class 23.

Griffith, John A., Co. Incorporated, by Ross F. Bergh & Co., Inc., Chicago, Ill. Textile suitings for men. 161,780, Nov. 21, 1922. Republished Feb. 24. Class 42.

Grinnell Company, Inc., assignor to Grinnell Corporation, Providence, R. I. Dual purpose shut-off nozzle for a fire hose. 436,825, Feb. 24; Serial No. 518,462, published Dec. 2, 1947. Class 13.

Grinnell Corporation, assignee: See—
Grinnell Company, Inc.

Groom & Newman, New York, N. Y. Men's work shirts, negligee shirts, and dress shirts. 238,645, renewed Feb. 14, 1948. O. G. Feb. 24. Class 38.

Groth, Herman A., Oak Park, Ill. Printed books and pamphlets. 129,735, Mar. 9, 1920. Republished Feb. 24. Class 38.

Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio, to The Gruen Watch Company, Cincinnati, Ohio. Watches, watchcases, and watch movements. 174,290, renewed Jan. 5, 1948. O. G. Feb. 24. Class 27.

Gullett Gin Co., Amite, La. Cotton-ginning machinery. 238,027, Jan. 24, 1928. Republished Feb. 24. Class 23.

Habanix Leather Products Company: See—
Gibford-Weiffenbach Company, The.

Hall, Martin L., Company: See—
Shapleigh Coffee Company.

Haloid Company, The, Rochester, N. Y. Sensitized photographic developing papers. 238,161, Jan. 31, 1928. Republished Feb. 24. Class 26.

Hanson Brothers Scale Company, by Hanson Scale Company, Chicago, Ill. Weighing scales. 183,825, May 6, 1924. Republished Feb. 24. Class 26.

Hanson Scale Company: See—
Hanson Brothers Scale Company.

Hanson Scale Company, Chicago, Ill. Kitchen scales. 283,107, May 19, 1931. Republished Feb. 24. Class 26.

Harnischfeger Corporation: See—
Milwaukee Electric Crane & Mfg. Co.

Hartmann, M. W., Manufacturing and Supply Company: See—
Hartmann, Milford W.
Hartmann, Milford W., doing business as M. W. Hartmann Manufacturing and Supply Company, Hutchinson, Kans. Lawn sprinklers. 436,824, Feb. 24; Serial No. 517,992, published Dec. 2, 1947. Class 13.
Hawt & Buck Co., The: See—
Miller Company, The
Hayner, Norman C., Company, The, Rochester, N. Y. Germicide and deodorant. 185,996, July 1, 1924. Republished Feb. 24. Class 6.
Hemisphere Trading Company, Inc., New Orleans, La. Petroleum lubricating grease and lubricating oil. 436,814, Feb. 24; Serial No. 512,669, published Dec. 2, 1947. Class 15.
Hills Bros., by Hills Bros. Coffee, Inc., San Francisco, Calif. Coffee. 105,725-6, Aug. 17, 1915. Republished Feb. 24. Class 46.
Hills Bros., by Hills Bros. Coffee, Inc., San Francisco, Calif. Coffee. 163,338, Jan. 9, 1923. Republished Feb. 24. Class 46.
Hills Bros. Coffee, Inc.: See—
Hills Bros.
Hills Brothers Company, The: See—
Romany Date Co., Inc.
Hills Brothers Company, New York, N. Y. Canned cranberry sauce. 239,865, renewed Mar. 13, 1948. O. G. Feb. 24. Class 46.
Hills Brothers Company, The, New York, N. Y. Candied citron, shredded and/or dehydrated cocoanut, dried currants, etc. 240,753, renewed Apr. 10, 1948. O. G. Feb. 24. Class 46.
Houston Packing Company, Houston, Tex. Butter and eggs. 106,970, Nov. 9, 1915. Republished Feb. 24. Class 46.
Hubbard, C. D., Fruit Co., to Carpinteria Lemon Association, Carpinteria, Calif. Fresh citrus fruits. 238,268, renewed Jan. 31, 1948. O. G. Feb. 24. Class 46.
Hubbard, C. D., Fruit Co., to Carpinteria Lemon Association, Carpinteria, Calif. Fresh citrus fruits. 239,203, renewed Feb. 28, 1948. O. G. Feb. 24. Class 46.
Huenefeld Company, The, Cincinnati, Ohio. Electric cut-out boxes and fluorescent lighting fixtures. 436,840, Feb. 24; Serial No. 524,466, published Nov. 25, 1947. Class 21.
Hydraulic Press Manufacturing Company, The, Mount Gilead, Ohio. Hydraulic presses and pumps for hydraulic presses. 436,795, Feb. 24; Serial No. 496,788, published Dec. 2, 1947. Class 23.
Hygienol Company, Inc.: See—
Levy, Maurice
Hytron Corporation, to Hytron Radio & Electronics Corp., Salem, Mass. Thermionic vacuum tubes. 240,104, renewed Mar. 20, 1948. O. G. Feb. 24. Class 21.
Hytron Radio & Electronics Corp.: See—
Hytron Corporation
Inderrieden Canning Co., by The J. B. Inderrieden Co., Chicago, Ill. Canned peas and canned corn. 122,589, Aug. 27, 1918. Republished Feb. 24. Class 46.
Inderrieden Canning Co., by The J. B. Inderrieden Co., Chicago, Ill. Canned corn and canned red beans, canned red kidney beans, etc. 123,132, Oct. 15, 1918. Republished Feb. 24. Class 46.
Inderrieden, J. B., Co., The: See—
Inderrieden Canning Co.
Inderrieden, J. B., Co., The, Chicago, Ill. Canned corn and canned beans and pork with tomato sauce. 126,292, Aug. 10, 1919. Republished Feb. 24. Class 46.
International Cellucotton Products Company: See—
Cellucotton Products Company
Kimberly-Clark Co.
Veldown Company, Inc.
International Harvester Company, Chicago, Ill. Plows, grain-binders. 140,845, Mar. 29, 1921. Republished Feb. 24. Class 23.
J. F. Underwear Company: See—
Feinberg, Jacob
Jensen, F. G., & Sons, Inc.: See—
Jensen, F. G.
Jensen, Franz G., by F. G. Jensen & Sons, Inc., Springfield, Mass. Candied fruits, candied nuts, and candy. 138,978, Jan. 18, 1921. Republished Feb. 24. Class 46.
Johnson, Mary E., trustee, to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass. Rifles, shotguns, pistols, and revolver. 68,386, re-renewed Apr. 7, 1948. O. G. Feb. 24. Class 9.
Johnson, Mary E., trustee, to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass. Rifles, shotguns, pistols, and revolvers. 68,389, re-renewed Apr. 7, 1948. O. G. Feb. 24. Class 9.
Johnson's, Iver, Arms & Cycle Works: See—
Johnson, Mary E., trustee
Johnston Export Publishing Co., New York, N. Y. Periodical publications. 226,592, Apr. 12, 1927. Republished Feb. 24. Class 38.
Johnston Export Publishing Co., New York, N. Y. Magazine. 232,091, Aug. 30, 1927. Republished Feb. 24. Class 38.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Hot-rolled and cold-finished steel bars. 230,894, Aug. 9, 1927. Republished Feb. 24. Class 14.
Kay-Dee Jewelry Company, Providence, R. I. Colored glass for inspecting diamonds. 436,846, Feb. 24. Class 26.
Keasbey & Mattison Company: See—
Asbestos Shingle, Slate & Sheathing Company
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon-paper. 124,850, Mar. 18, 1919. Republished Feb. 24. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon-paper. 125,148, Apr. 15, 1919. Republished Feb. 24. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 158,715-7, Sept. 12, 1922. Republished Feb. 24. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper and typewriter ribbons. 158,718, Sept. 12, 1922. Republished Feb. 24. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 158,719, Sept. 12, 1922. Republished Feb. 24. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 172,001, Aug. 21, 1923. Republished Feb. 24. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 172,268, Aug. 28, 1923. Republished Feb. 24. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 184,233, May 20, 1924. Republished Feb. 24. Class 11.
Kellogg Seed Company, Milwaukee, Wis. Seeds. 246,685, Sept. 11, 1928. Republished Feb. 24. Class 1.
Kelly Axe Manufacturing Co., Inc., Charleston, W. Va., and New York, N. Y., by The American Fork and Hoe Company, Cleveland, Ohio. Axes, hatchets, machetes, hammers, etc. 140,855, Mar. 29, 1921. Republished Feb. 24. Class 23.
Kerr Manufacturing Company: See—
Detroit Dental Manufacturing Company
Kidde, Walter, & Company, Incorporated, Belleville, N. J. Marine fire extinguishing systems. 137,898, Dec. 7, 1920. Republished Feb. 24. Class 23.
Kimberly-Clark Co., Neenah, Wis., by International Cellucotton Products Company, Chicago, Ill. Fibrous material. 126,706, Sept. 30, 1919. Republished Feb. 24. Class 44.
Kimberly-Clark Co., Neenah, Wis., by International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 128,416, Jan. 6, 1920. Republished Feb. 24. Class 44.
Kimble Glass Company, Chicago, Ill., and Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Graduated chemical and laboratory glassware. 162,799-800, Dec. 26, 1922. Republished Feb. 24. Class 26.
Kimble Glass Company, Chicago, Ill., and Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Graduated chemical and laboratory glassware. 164,311, Feb. 20, 1923. Republished Feb. 24. Class 26.
Kimble Glass Company, Chicago, Ill., and Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Graduated chemical and laboratory glassware. 188,982, Sept. 9, 1924. Republished Feb. 24. Class 26.
Kimble Glass Company, Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Glass funnels for laboratory use. 377,988, May 21, 1940. Republished Feb. 24. Class 26.
Kimble Glass Company, Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Chemical, scientific, and laboratory glassware. 379,843, July 30, 1940. Republished Feb. 24. Class 26.
Kimble Glass Company, Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Hydrometers. 380,224, Aug. 13, 1940. Republished Feb. 24. Class 26.
Kimble Glass Company, Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Glass rods, glass tubing, and glass containers. 388,537, July 1, 1941. Republished Feb. 24. Class 33.
Kimble Glass Company, Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Glass rods, glass tubing, and glass containers. 396,024, June 23, 1942. Republished Feb. 24. Class 33.
Kimble Glass Company, Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Chemical, scientific, and laboratory glassware. 399,307, Dec. 29, 1942. Republished Feb. 24. Class 26.
Kimble Glass Company, Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Hydrometer barrels. 421,603, June 4, 1946. Republished Feb. 24. Class 26.
King Publications: See—
Western Construction News, Inc.
Kirk, James S., & Company, Chicago, Ill., by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 215,662, July 20, 1926. Republished Feb. 24. Class 4.
Klinger, Albert E., South Bend, Ind. Removable caps for a grease fitting. 436,810, Feb. 24; Serial No. 511,096, published Dec. 2, 1947. Class 23.
Kloster Steel Corporation, Chicago, Ill. Steel. 209,538, Feb. 23, 1926. Republished Feb. 24. Class 14.

Kren, Joseph G.: See—
Kren, Jos. G.
Kren, Jos. G., to Joseph G. Kren, Syracuse, N. Y. Baseball bats. 234,870, renewed Oct. 25, 1947. O. G. Feb. 24. Class 22.
Labor Relations Institute, New York, N. Y. Publication. 436,841, Feb. 24. Class 38.
Le Blond, R. K., Machine Tool Co., The, Cincinnati, Ohio. Metal working machines and tools. 436,790, Feb. 24; Serial No. 472,782, published Dec. 2, 1947. Class 23.
Letz Manufacturing Co., The, Crown Point, Ind. Stock feed crushers, feed grinders, and parts thereof, etc. 133,718, Aug. 3, 1920. Republished Feb. 24. Class 23.
Levy, Maurice, New York, N. Y., to Hygienol Company, Inc., New Rochelle, N. Y. Powder puffs. 238,086, renewed Jan. 24, 1948. O. G. Feb. 24. Class 29.
Libbey Glass Company, by Owens-Illinois Glass Company, Toledo, Ohio. Drinking glasses and for glass dishes. 359,502, Aug. 23, 1938. Republished Feb. 24. Class 33.
Libbey Glass Company, by Owens-Illinois Glass Company, Toledo, Ohio. Drinking glasses, fruit cups, berry dishes, etc. 360,944, Oct. 4, 1938. Republished Feb. 24. Class 33.
Lisbon Hoist and Crane Company, Lisbon, Ohio. Electric hoists. 436,798, Feb. 24; Serial No. 501,748, published Nov. 25, 1947. Class 21.
Lyman Electronic Corporation, Springfield, Mass. Wired electronic communication sets. 436,831, Feb. 24; Serial No. 520,048, published Dec. 2, 1947. Class 21.
Mallinckrodt Chemical Works, St. Louis, Mo. Albusol, a solution of egg albumin. 239,593, Mar. 6, 1928. Republished Feb. 24. Class 6.
Manischewitz, B., Company, The, to The B. Manischewitz Company, Jersey City, N. J. Crackers and cracker meal. 234,050, renewed Oct. 18, 1947. O. G. Feb. 24. Class 46.
Marathon Rubber Company, Inc., to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle tires and tubes. 237,898, renewed Jan. 24, 1948. O. G. Feb. 24. Class 35.
Marshall Field & Company, Chicago, Ill. Leather, rubber, and canvas men's, women's shoes. 125,707, June 3, 1919. Republished Feb. 24. Class 39.
Marshall Field & Company, Chicago, Ill. Sheetting, sheets, and pillowcases. 147,356, Oct. 11, 1921. Republished Feb. 24. Class 42.
Marshall Field & Company, Chicago, Ill. Writing paper and envelopes. 160,573, Oct. 24, 1922. Republished Feb. 24. Class 37.
Marshall Field & Company, Chicago, Ill. Shoes. 232,148, Sept. 6, 1927. Republished Feb. 24. Class 39.
Maryland New River Coal Co., Philadelphia, Pa. Coal. 236,088, renewed Dec. 3, 1947. O. G. Feb. 24. Class 1.
Matthews, Richard F., Huntington Park, Calif. Tubular lipstick holders, valve-controlled, tubular perfume, powder, and lotion dispensers; etc. 436,797, Feb. 24; Serial No. 501,464, published Nov. 25, 1947. Class 24.
Matthews, W. N., Corporation, St. Louis, Mo. Electric switches and fuses. 231,970, Aug. 30, 1927. Republished Feb. 24. Class 21.
Maxcy, L., Inc., Frostproof, Fla. Fresh citrus fruits. 239,871, renewed Mar. 13, 1948. O. G. Feb. 24. Class 46.
Mennen Company, The, Newark, N. J. Toilet and talcum powders, antiseptic powder, etc. 237,118, renewed Jan. 3, 1948. O. G. Feb. 24. Class 6.
Mennen Company, The, Newark, N. J. Soaps and shaving creams. 237,898, renewed Jan. 17, 1948. O. G. Feb. 24. Class 4.
Merkin, M. J., Paint Co. Inc., New York, N. Y. Black coating for dampproofing brick, stone or terracotta walls. 237,068, Jan. 3, 1928. Republished Feb. 24. Class 12.
Metz, H. A., & Co., to General Dyestuff Corporation, New York, N. Y. Chemical. 68,085, re-renewed Mar. 10, 1948. O. G. Feb. 24. Class 6.
Meyer-Mueller-Goodman Co., St. Louis, Mo. Neckties and cravats. 237,956, Jan. 24, 1928. Republished Feb. 24. Class 39.
Miller Company, The, Dallas and Fort Worth, Tex., by The Hawk & Buck Co., Fort Worth, Tex. Overalls, pants, shirts, etc. 218,184, Sept. 21, 1926. Republished Feb. 24. Class 39.
Miller, Leslie C., Supply, Inc., Bedford, Ohio. Concrete block-making machine. 486,835, Feb. 24; Serial No. 521,998, published Nov. 25, 1947. Class 23.
Milton Oil Company, St. Louis, Mo. Gasoline, kerosene, burning oils, etc. 436,796, Feb. 24; Serial No. 497,623, published Oct. 28, 1947. Class 15.
Milwaukee Electric Crane & Mfg. Co., Inc., West Allis, by Harnischfeger Corporation, Milwaukee, Wis. Electric cranes and parts thereof. 156,710, July 11, 1922. Republished Feb. 24. Class 21.
Monroe Company, Inc., The, Cleveland, Ohio. Liquid asbestos roof cement. 436,815, Feb. 24; Serial No. 513,621, publication waived. Class 12.
Monte Vista Citrus Association, Riverside, Calif. Fresh citrus fruits. 238,176, renewed Jan. 31, 1948. O. G. Feb. 24. Class 46.
Moseley & Motley Milling Company, to Federal Mill, Inc., Rochester, N. Y. Wheat flour. 30,744, re-renewed Oct. 26, 1947. O. G. Feb. 24. Class 46.

Muller, Conrad D., doing business as Quincy Electronics Co., Quincy, Mich. Non-electrical cast aluminum cooking grill and combination grill and platter. 436,794, Feb. 24; Serial No. 495,086, published Nov. 18, 1947. Class 13.
Munsch-Protsmann Co., to Henrietta Carnot, New York, N. Y. Preparation for the treatment of skin diseases. 240,337, renewed Mar. 27, 1948. O. G. Feb. 24. Class 6.
Nason, R. N., & Co., San Francisco, Calif. Lacquer floor covering. 244,776, July 24, 1928. Republished Feb. 24. Class 16.
Nelson-Elamann Company, The, Chicago, Ill. Typewriter ribbons. 247,380, Sept. 25, 1928. Republished Feb. 24. Class 11.
New Haven Products Company: See—
Fuller, Charles F.
New Idea, Inc., Coldwater, Ohio, assignor to Avco Manufacturing Corporation, Detroit, Mich. Radio receiving apparatus and parts thereof. 436,799, Feb. 24; Serial No. 503,992, published Oct. 7, 1947. Class 21.
Nicholson, William S.: See—
Richlite Products Co.
Noiseless Typewriter Company, The, Middletown, Conn., to Remington Rand Inc., New York, N. Y. Typewriting machines. 139,914, renewed Jan. 5, 1948. O. G. Feb. 24. Class 23.
Norda Essential Oil & Chemical Co., Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 237,004, renewed Jan. 3, 1948. O. G. Feb. 24. Class 6.
Northern Cold Storage & Warehouse Co.: See—
Wenatchee-Northern Warehouse & Marketing Co.
Wenatchee Northern Warehouse & Marketing Co.
Northrup, King & Co., Minneapolis, Minn. Garden-seed. 145,425, Aug. 2, 1921. Republished Feb. 24. Class 1.
Northrup, King & Co., Minneapolis, Minn. Poultry and dairy feed. 146,314, Sept. 6, 1921. Republished Feb. 24. Class 46.
Norvell-Shapleigh Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Non-cutting pliers, non-cutting pliers, wrenches, and putty-knives. 68,012, re-renewed Mar. 3, 1948. O. G. Feb. 24. Class 23.
Ollendorff, I., Co., Inc., to Ollendorff Watch Co. Inc., New York, N. Y. Watches, clocks, their cases and movements. 234,069, renewed Oct. 18, 1947. O. G. Feb. 24. Class 27.
Ollendorff Watch Co. Inc.: See—
Ollendorff, I., Co., Inc.
Owens Brush Company: See—
Owens Staple-Tied Company, The.
Owens-Illinois Glass Company: See—
Kimble Glass Company
Libbey Glass Company
Owens-Illinois Pacific Coast Company
Pacific Coast Glass Company
Owens-Illinois Glass Company, Toledo, Ohio. Bottles, jars, jugs, etc. 269,225, Apr. 1, 1930. Republished Feb. 24. Class 33.
Owens-Illinois Glass Company, Toledo, Ohio. Salt and pepper shakers. 346,382, May 25, 1937. Republished Feb. 24. Class 2.
Owens-Illinois Glass Company, Toledo, Ohio. Widemouth glass jars or containers. 367,756, May 30, 1939. Republished Feb. 24. Class 8.
Owens-Illinois Glass Company, Toledo, Ohio. Electrical insulators. 370,320, Aug. 22, 1939. Republished Feb. 24. Class 21.
Owens-Illinois Glass Company, Toledo, Ohio. Bottles, jars, and jugs. 390,467, Sept. 23, 1941. Republished Feb. 24. Class 33.
Owens-Illinois Glass Company, Toledo, Ohio. Glass bottles and jars. 392,826, Jan. 13, 1942. Republished Feb. 24. Class 33.
Owens-Illinois Glass Company, Toledo, Ohio. Drinking glasses. 412,400, Mar. 6, 1945. Republished Feb. 24. Class 33.
Owens-Illinois Pacific Coast Company, San Francisco, Calif., by Owens-Illinois Glass Company, Toledo, Ohio. Glass bottles, glass jars, and glass containers. 303,626, May 30, 1933. Republished Feb. 24. Class 33.
Owens Staple-Tied Brush Company, The, by Owens Brush Company, Toledo, Ohio. Toothbrushes. 249,614, Nov. 20, 1928. Republished Feb. 24. Class 29.
Owens Staple-Tied Brush Company, The, by Owens Brush Company, Toledo, Ohio. Toothbrushes. 333,304, Mar. 17, 1936. Republished Feb. 24. Class 29.
Owens Staple-Tied Brush Company, The, by Owens Brush Company, Toledo, Ohio. Toothbrushes. 388,370, Jan. 24, 1941. Republished Feb. 24. Class 29.
Pacific Coast Glass Company, San Francisco, Calif., by Owens-Illinois Glass Company, Toledo, Ohio. Glass bottles, glass jars, glass tumblers, etc. 271,523, June 10, 1930. Republished Feb. 24. Class 33.
Peacock, R. J., Canning Company: See—
Seacoast Canning Company
People's Outfitting Company, Detroit, Mich. Bed springs, bed frames, buffets, etc. 233,823, renewed Oct. 11, 1947. O. G. Feb. 24. Class 32.
People's Outfitting Company, Detroit, Mich. Radio receiving sets and parts thereof. 234,655, Nov. 1, 1947. O. G. Feb. 24. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

People's Outfitting Company, Detroit, Mich. Textile rugs, carpets, and floor coverings. 235,640, renewed Nov. 22, 1947. O. G. Feb. 24. Class 42.

Pioneer Suspender Company: See—
Gibford-Wellenbach Company, The.
Taunton Pearl Works, Inc.

Plasti-Glo Manufacturing Company, Chicago, Ill. Curtain and drapery hardware. 436,801, Feb. 24; Serial No. 505,616, published Nov. 18, 1947. Class 13.

Pleasant Valley Wine Company, The, Rheims, N. Y. Grape juice. 240,568, renewed Apr. 3, 1948. O. G. Feb. 24. Class 45.

Portable Electrical Tool Company: See—
Wolmer, Carl.

Portland Cordage Co., The, Portland, Oreg., by Tubbs Cordage Company, San Francisco, Calif. Lariat ropes. 150,523, Jan. 3, 1922. Republished Feb. 24. Class 7.

Pratt, N. P., Laboratory, Atlanta, Ga., to Pure Carbonic, Incorporated, New York, N. Y. Epsom salts, sulfate of lime, carbonic-acid gas, etc. 68,222, re-renewed Mar. 17, 1948. O. G. Feb. 24. Class 6.

Procter & Gamble Company, The: See—
Kirk, James S., & Company.
Waltke, Wm., & Co.

Procter & Gamble Company, The, Cincinnati, Ohio. Washing powder. 234,222, renewed Oct. 18, 1947. O. G. Feb. 24. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 248,425, Oct. 23, 1928. Republished Feb. 24, 1948. Class 4.

Pure Carbonic, Incorporated: See—
Pratt, N. P., Laboratory.

Pure Oil Company, The: See—
Wofford, G. T., Oil Co., The.

Quincy Electronics Co.: See—
Muller, Conrad D.

Radio Corporation of America, New York, N. Y. High frequency electronic power generating and heating apparatus. 436,793, Feb. 24; Serial No. 490,259, published Nov. 25, 1947. Class 21.

Raytheon Manufacturing Company, Cambridge, by Raytheon Manufacturing Company, Newton, Mass. Rectifying, regulating, and smoothing tubes and battery eliminators. 237,111, Jan. 3, 1928. Republished Feb. 24. Class 21.

Reed, E. P. & Co., Rochester, N. Y. Shoes. 172,122, Aug. 21, 1923. Republished Feb. 24. Class 39.

Regulin Incorporated: See—
Reinschld Chemical Co.

Reinschld Chemical Co., The, New York, N. Y., to Regulin Incorporated, New Rochelle, N. Y. Medicinal preparation. 237,161, renewed Jan. 3, 1948. O. G. Feb. 24. Class 6.

Remington-Noiseless Typewriter Corporation, to Remington Rand Inc., New York, N. Y. Typewriting machines. 202,812, renewed Jan. 5, 1948. O. G. Feb. 24. Class 23.

Remington Rand Inc.: See—
Remington-Noiseless Typewriter Corporation.

Remmers-Graham Company, The, assignee: See—
Remmers Soap Company, The.

Remmers Soap Company, The, assignor to The Remmers-Graham Company, Cincinnati, Ohio, by Acme Chemical Company, Milwaukee, Wis. Soap. 198,595, May 19, 1925. Republished Feb. 24. Class 4.

Respro Inc., Crautson, R. I. Sheet fabric. 190,853, Oct. 28, 1924. Republished Feb. 24. Class 50.

Richardson, Thos. D., Company, Philadelphia, Pa. Candy. 238,535, renewed Feb. 7, 1948. O. G. Feb. 24. Class 46.

Richlite Products Co., The, Cleveland, Ohio, to Williams S. Nicholson, Rochester, N. Y. Marshmallows. 230,345, renewed July 19, 1947. O. G. Feb. 24. Class 46.

Rixson, Oscar C., Company, The, Chicago, Ill. Door and casement hinges, door and casement pivots, casement holders, etc. 247,587, Oct. 2, 1928. Republished Feb. 24. Class 13.

Robinson Milling Company, The, Salina, Kans. Wheat flour. 245,996, Aug. 28, 1928. Republished Feb. 24. Class 46.

Romany Date Co., Inc., to The Hills Brothers Company, New York, N. Y. Dates and pitted dates. 239,239, renewed Feb. 28, 1948. O. G. Feb. 24. Class 46.

Royal Embroidery Works, Naday & Felscher, by Dumari Textile Co., Inc., New York, N. Y. Cotton voile. 129,858, Mar. 9, 1920. Republished Feb. 24. Class 42.

Rudy-Patrick Seed Company, Kansas City, Mo. Poultry feeds. 235,936-7, renewed Nov. 29, 1947. O. G. Feb. 24. Class 46.

Rumsey Chevrolet, Swarthmore, Pa. Plastic holders with a base metal chain. 436,813, Feb. 24; Serial No. 515,638, published Dec. 2, 1947. Class 13.

S/A Industrias Metalurgicas "Cré," Sao Paulo, Brazil. Plumbing and steam-fitting supplies. 436,813, Feb. 24; Serial No. 512,451, published Nov. 18, 1947. Class 13.

Salada Tea Company, Inc., Boston, Mass. Tea. 116,557, May 8, 1917. Republished Feb. 24. Class 46.

Sanchez & Haya Company, to Gradias, Annis & Co., Inc., Tampa, Fla. Cigars. 238,627, renewed Feb. 14, 1948. O. G. Feb. 24. Class 17.

Seacoast Canning Company, Eastport, Maine, to R. J. Peacock Canning Company, Lubec, Maine. Canned fish. 239,079, renewed Feb. 21, 1948. O. G. Feb. 24. Class 46.

Seaman Paper Company, Chicago, Ill. Printing paper. 215,641, July 20, 1926. Republished Feb. 24. Class 37.

Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Sponge cups with and without sponges. 231,346, Aug. 16, 1927. Republished Feb. 24. Class 37.

Shapleigh Coffee Company, to Martin L. Hall Company, Boston, Mass. Coffee and tea. 68,024, re-renewed Mar. 3, 1948. O. G. Feb. 24. Class 46.

Shapleigh Coffee Company, to Martin L. Hall Company, Boston, Mass. Coffee and tea. 68,037, re-renewed Mar. 3, 1948. O. G. Feb. 24. Class 46.

Signode Steel Strapping Company: See—
Signode System, Inc.

Signode System, Inc., Chicago, Ill., by Signode Steel Strapping Company. Metallic box strapping and box-strapping seals. 161,624, Nov. 14, 1922. Republished Feb. 24. Class 13.

Societe des Lunetiers, Eparvier, Ottolini, Cottet & Cie., Paris, France. Eyeglass and spectacle frames and lenses therefor. 436,844, Feb. 24. Class 26.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oils and greases. 436,817, Feb. 24; Serial No. 514,914, published Nov. 4, 1947. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Quenching oils. 436,820, Feb. 24; Serial No. 516,642, published Nov. 18, 1947. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oil used for the insulation and filling of electrical cables and cable joints. 436,832, Feb. 24; Serial No. 520,062, published Dec. 2, 1947. Class 21.

Southern States Iron Roofing Company, Savannah, Ga. Caulking compound. 436,847, Feb. 24. Class 12.

Springfield Leather Products Company, The: See—
Erickson, C. E., Co., Inc.

Squires, Frederic B.: See—
Brewster, William, Company, Inc.

Standard Laboratories, Inc.: See—
Graves & Meade & Baker Company.

Stanley, Wm. H., Inc., New York, N. Y. Canned tuna fish. 235,349, renewed Nov. 15, 1947. O. G. Feb. 24. Class 46.

Star Oil Company, The, Chicago, Ill. Lubricating oils and greases. 121,963, June 11, 1918. Republished Feb. 24. Class 15.

Star Oil Company, The, Chicago, Ill. Lubricating oil. 122,288-9, July 16, 1918. Republished Feb. 24. Class 15.

Stearns Electric Paste Co.: See—
Stearns Electric Paste Co.

Stearns Electric Paste Co., Buffalo, N. Y., to Stearns Electric Paste Co., Chicago, Ill. Animal poison. 63,945, re-renewed July 16, 1947. O. G. Feb. 24. Class 6.

Stein Bloch Co., The, to Fashion Park, Inc., Rochester, N. Y. Men's suits, vests, trousers, etc. 239,240, renewed Feb. 28, 1948. O. G. Feb. 24. Class 39.

Stephens, Henry C., to Henry C. Stephens, Limited, London, England. Writing inks. 65,706, re-renewed Oct. 15, 1947. O. G. Feb. 24. Class 11.

Stephens, Henry C., Limited: See—
Stephens, Henry C.

Story & Clark Piano Company, Chicago, Ill. Pianos. 130,120, Apr. 6, 1920. Republished Feb. 24. Class 36.

Sun Oil Company, Philadelphia, Pa. Lubricating oils. 436,827, Feb. 24; Serial No. 518,857, published Nov. 4, 1947. Class 15.

Sun Oil Company, Philadelphia, Pa. Lubricating oil. 436,828, Feb. 24; Serial No. 518,858, published Nov. 4, 1947. Class 15.

Svirsky, Bennet, New Haven, Conn. Tank balls for flush toilet. 436,802, Feb. 24; Serial No. 506,398, published Nov. 18, 1947. Class 13.

Swanson Manufacturing Company, Inc., Fort Wayne, Ind. Whistle valves, automatic pressure and vacuum relief valves, etc. 436,822, Feb. 24; Serial No. 517,271, published Nov. 18, 1947. Class 13.

Swift & Company: See—
Federal Packing Co.

Taunton Pearl Works, Inc., Taunton, Mass., by Pioneer Suspender Company, Philadelphia, Pa. Cuff buttons, collar buttons, tie holders, etc. 178,791, Jan. 29, 1924. Republished Feb. 24. Class 28.

Tool & Die Journal, Cleveland, Ohio. Monthly publication. 436,842, Feb. 24. Class 38.

Transo Envelope Company, Chicago, Ill. Mailing envelopes. 232,696, Sept. 13, 1927. Republished Feb. 24. Class 37.

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic compound. 436,843, Feb. 24. Class 12.

Trent Tube Manufacturing Co., East Troy, Wis. Metal tubing. 436,791, Feb. 24; Serial No. 486,700, published Nov. 25, 1947. Class 13.

Tubbs Cordage Company: See—
Portland Cordage Co., The.

Tubbs Cordage Company, San Francisco, Calif. Rope. 130,130, Apr. 6, 1920. Republished Feb. 24. Class 7.

LIST OF REGISTRANTS OF TRADE-MARKS

Tubbs Cordage Company, San Francisco, Calif. Rope. 144,955, July 19, 1921. Republished Feb. 24. Class 7.

Tubbs Cordage Company, San Francisco, Calif. Manila rope. 242,167, May 15, 1928. Republished Feb. 24. Class 7.

Turner, Day & Woolworth Handle Company, Louisville, Ky., by The American Fork and Hoe Company, Cleveland, Ohio. Tool handles. 79,018, July 26, 1910. Republished Feb. 24. Class 23.

Union Diesel Engine Company: See—
Union Gas Engine Co.

Union Gas Engine Co. by The Union Diesel Engine Company, Oakland, Calif. Diesel engines. 180,144, Feb. 26, 1924. Republished Feb. 24. Class 23.

U. S. Fiber & Plastics Corp., Whirling, N. J. Shower curtains made of plastic sheeting. 436,807, Feb. 24; Serial No. 510,138, published Nov. 18, 1947. Class 13.

Veldown Company, Inc., New York, N. Y., by International Cellulose Products Company, Chicago, Ill. Cellulose wadding. 245,347, Aug. 14, 1928. Republished Feb. 24. Class 1.

Verallin, Inc., Chicago, Ill. Toilet seats, toilet plungers, door stops, etc. 436,808, Feb. 24; Serial No. 510,817, published Nov. 18, 1947. Class 13.

Vitaphone Corporation, The, New York, N. Y. Synchronized apparatus. 231,348, renewed Aug. 16, 1947. O. G. Feb. 24. Class 26.

Wagner Manufacturing Company, The, Sidney, Ohio. Metal baking pan. 136,976, Nov. 9, 1920. Republished Feb. 24. Class 13.

Waltke, Wm. & Co., St. Louis, Mo., to The Procter & Gamble Company, Cincinnati, Ohio. Soap in cake, flake, powder, etc. 235,617, renewed Nov. 22, 1947. O. G. Feb. 24. Class 4.

Ward, Samuel, Manufacturing Co., Boston, Mass. Leather playing-card cases, writing cases, brief cases, etc. 234,098, renewed Oct. 18, 1947. O. G. Feb. 24. Class 3.

Wenatchee-Northern Warehouse & Marketing Co., Wenatchee, Wash., by Northern Cold Storage & Warehouse Co., Duluth, Minn. Fresh apples and pears. 120,458, Feb. 5, 1918. Republished Feb. 24. Class 46.

Wenatchee-Northern Warehouse & Marketing Co., Wenatchee, Wash., by Northern Cold Storage & Warehouse Co., Duluth, Minn. Fresh fruits. 168,685, May 29, 1923. Republished Feb. 24. Class 46.

Western Construction News, Inc., to King Publications, San Francisco, Calif. Semimonthly magazines. 230,232, renewed July 19, 1947. O. G. Feb. 24. Class 38.

Western Star Mill Co., The, Salina, Kans. Wheat flour. 238,618, renewed Feb. 14, 1948. O. G. Feb. 24. Class 46.

White-Haines Optical Company, The, Columbus, Ohio. Optical lenses. 110,410, May 23, 1916. Republished Feb. 24. Class 26.

Wico Electric Company: See—
Wetherbee Igniter Company.

Williams, Eureka, Corporation: See—
Williams Oil-O-Matic Heating Corporation.

Williams Oil-O-Matic Heating Corporation, to Eureka Williams Corporation, Bloomington, Ill. Liquid-fuel-burning devices. 239,830, renewed Mar. 13, 1948. O. G. Feb. 24. Class 34.

Wilson Fastener Company, The, Cleveland, Ohio. Snap fasteners. 114,606, Dec. 19, 1916. Republished Feb. 24. Class 40.

Wilton Tool Manufacturing Co., Chicago, Ill. Bench vises, pipe vises and combination bench and pipe vises. 436,834, Feb. 24; Serial No. 521,842, published Nov. 25, 1947. Class 23.

Winorr Canning Company, The, Circleville, Ohio. Canned Vegetables. 233,826, renewed Oct. 11, 1947. O. G. Feb. 24. Class 46.

Wetherbee Igniter Company, Springfield, by Wico Electric Company, West Springfield, Mass. Magnetos. 133,096, July 6, 1920. Republished Feb. 24. Class 21.

Wofford, G. T., Oil Co., The, Birmingham, Ala., by The Pure Oil Company, Chicago, Ill. Gasoline. 124,431, Feb. 11, 1918. Republished Feb. 24. Class 15.

Wolmer, Carl, doing business as Portable Electrical Tool Company, Forest Park, Ill. Electrically actuated portable tools. 436,811, Feb. 24; Serial No. 511,432, published Dec. 2, 1947. Class 21.

Woolen Corporation of America, The, New York, N. Y. Woolen, worsted, cotton piece goods. 232,413, renewed Sept. 6, 1947. O. G. Feb. 24. Class 42.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 101,662-3, Jan. 5, 1915. Republished Feb. 24. Class 22.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 101,666, Jan. 5, 1915. Republished Feb. 24. Class 22.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 102,826-7, Feb. 23, 1915. Republished Feb. 24. Class 22.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 105,005, June 29, 1915. Republished Feb. 24. Class 22.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 107,035, Nov. 9, 1915. Republished Feb. 24. Class 22.

Worthington Pump and Machinery Corporation, New York, N. Y., by Worthington Pump and Machinery Corporation, Harrison, N. J. Metal valves. 120,927, Mar. 12, 1918. Republished Feb. 24. Class 23.

Wycliffe Foundry & Engineering Co. Limited, Lutterworth, near Rugby, England. Change speed gear boxes. 436,803, Feb. 24; Serial No. 507,955, published Dec. 2, 1947. Class 23.

Zellerbach Paper Company, San Francisco, Calif. Writing-paper, printing-paper, card-stock and envelopes. 121,998, June 11, 1918. Republished Feb. 24. Class 37.

Zellerbach Paper Company, San Francisco, Calif. Writing-paper, correspondence and mailing envelopes, type-writer papers, etc. 239,329, Feb. 28, 1928. Republished Feb. 24. Class 37.

Zifferblatt, George, doing business as Geo. Zifferblatt & Zifferblatt, Co., to The S. Frieder & Sons Company, Philadelphia, Pa. Cigars, cigarettes, cheroots, etc. 234,845, renewed Nov. 8, 1947. O. G. Feb. 24. Class 17.

Zifferblatt, Geo. & Co.: See—
Zifferblatt, George.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 3

Cases, writing cases, brief cases, etc., Leather playing-card. Samuel Ward Manufacturing Co. 234,098, renewed Oct. 18, 1947. O. G. Feb. 24.

Holders, Leather key. C. E. Erickson Co., Inc. 238,149, renewed Jan. 31, 1948. O. G. Feb. 24.

Portfolios, pocketbooks, wallets, etc. Brown & Bigelow. 268,608, Mar. 18, 1930. Republished Feb. 24.

CLASS 4

Soap. James S. Kirk & Company. 215,662, July 20, 1926. Republished Feb. 24.

Soap. Procter & Gamble Company. 248,425, Oct. 23, 1928. Republished Feb. 24.

Soap. Remmers Soap Company. 198,595, May 19, 1925. Republished Feb. 24.

Soap in cake, flake, powder, etc. Wm. Waltke & Co. 235,617, renewed Nov. 22, 1947. O. G. Feb. 24.

Soap, vegetable-oil soap, pine-oil disinfectant soap, etc. Green. Davies-Young Soap Company. 157,661, Aug. 16, 1922. Republished Feb. 24.

Soaps and shaving creams. Mennen Company. 237,898, renewed Jan. 17, 1948. O. G. Feb. 24.

Washing powder. Procter & Gamble Company. 234,222, renewed Oct. 18, 1947. O. G. Feb. 24.

Wheels, and abrasive bands, Emery. Dunmore Company. 413,930, May 22, 1945. Republished Feb. 24.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 5

Paste, Flour. Clark Paper & Manufacturing Co. 164,851; Feb. 27, 1923. Republished Feb. 24.

CLASS 6

Albumen, a solution of egg albumin. Millinckrodt Chemical Works. 239,593, Mar. 6, 1928. Republished Feb. 24.

Astringents, astringent cerates, bleach creams, etc. Norda Essential Oil & Chemical Co., Inc. 237,004, renewed Jan. 3, 1948. O. G. Feb. 24.

Chemical. H. A. Metz & Co. 68,085, re-renewed Mar. 10, 1948. O. G. Feb. 24.

Cosmetics. Cosmétique Laboratories of America. 238,850, renewed Feb. 14, 1948. O. G. Feb. 24.

Epsom salts, sulfate of lime, carbonic-acid gas, etc. N. P. Pratt Laboratory. 68,222, re-renewed Mar. 17, 1948. O. G. Feb. 24.

Germicide and deodorant. Norman C. Hayner Company. 185,986, July 1, 1924. Republished Feb. 24.

Liquid compound used to prevent corrosion and the formation of rust. Dominion Chemical Co., Inc. 436,845, Feb. 24.

Medicinal preparation. Reinachild Chemical Co. 237,161, renewed Jan. 3, 1948. O. G. Feb. 24.

Oil, Pine tar. E. W. Colledge General Sales Agent, Inc. 236,646, renewed Dec. 20, 1947. O. G. Feb. 24.

Poison, Animal. Stearns Electric Paste Co. 63,945, re-renewed July 16, 1947. O. G. Feb. 24.

Powder, Tooth. Graves & Meade & Baker Company. 234,714, renewed Nov. 1, 1947. O. G. Feb. 24.

Preparation, Chemical. Bird-Archer Company. 233,548, renewed Oct. 4, 1947. O. G. Feb. 24.

Preparation for the treatment of skin diseases. Munsch-Proetzmann Co. 240,337, renewed Mar. 27, 1948. O. G. Feb. 24.

Toilet and talcum powders, antiseptic powder, etc. Mennen Company. 237,118, renewed Jan. 3, 1948. O. G. Feb. 24.

CLASS 7

Cable, Twisted-wire. Graybar Electric Company, Inc. 235,020, renewed Nov. 8, 1947. O. G. Feb. 24.

Rope. Tubbs Cordage Company. 130,130, Apr. 6, 1920. Republished Feb. 24.

Rope. Tubbs Cordage Company. 144,955, July 19, 1921. Republished Feb. 24.

Rope, Manila. Tubbs Cordage Company. 242,167, May 15, 1928. Republished Feb. 24.

Ropes, Lariat. Portland Cordage Co. 150,523, Jan. 3, 1922. Republished Feb. 24.

CLASS 8

Jars or containers. Widemouth glass. Owens-Illinois Glass Company. 367,756, May 30, 1939. Republished Feb. 24.

CLASS 9

Rifles, shotguns, pistols and revolvers. M. E. Johnson. 68,386, re-renewed Apr. 7, 1948. O. G. Feb. 24.

Rifles, shotguns, pistols and revolvers. M. E. Johnson. 68,389, re-renewed Apr. 7, 1948. O. G. Feb. 24.

CLASS 11

Carbon-paper. Kee Lox Manufacturing Company. 124,850, Mar. 18, 1919. Republished Feb. 24.

Carbon-paper. Kee Lox Manufacturing Company. 125,148, Apr. 15, 1919. Republished Feb. 24.

Inks, Writing. H. C. Stephens. 65,706, re-renewed Oct. 15, 1947. O. G. Feb. 24.

Paper and typewriter ribbons, Carbon. Kee Lox Manufacturing Company. 158,718, Sept. 12, 1922. Republished Feb. 24.

Paper, Carbon. Kee Lox Manufacturing Company. 158,715-17, Sept. 12, 1922. Republished Feb. 24.

Paper, Carbon. Kee Lox Manufacturing Company. 158,719, Sept. 12, 1922. Republished Feb. 24.

Paper, Carbon. Kee Lox Manufacturing Company. 172,001, Aug. 21, 1923. Republished Feb. 24.

Paper, Carbon. Kee Lox Manufacturing Company. 172,268, Aug. 28, 1923. Republished Feb. 24.

Paper, Carbon. Kee Lox Manufacturing Company. 184,233, May 20, 1924. Republished Feb. 24.

Typewriter ribbons. Nelson-Eismann Company. 247,380, Sept. 25, 1928. Republished Feb. 24.

CLASS 12

Asbestos board. Asbestos Shingle, Slate & Sheathing Company. 245,366, Aug. 14, 1928. Republished Feb. 24.

Caulking compound. Southern States Rion Roofing Company. 436,847, Feb. 24.

Coating for dampproofing brick, stone, or terracotta walls. Black. M. J. Merkin Paint Co. Inc. 237,068, Jan. 3, 1928. Republished Feb. 24.

Mastic compound. Tremco Manufacturing Company. 436,843, Feb. 24.

Roof cement, Liquid asbestos. Monroe Company, Inc. 436,815, Feb. 24; Serial No. 513,521, publication waived.

CLASS 13

Box strapping and box-strapping seals, Metallic. Signode System, Inc. 161,624, Nov. 14, 1922. Republished Feb. 24.

Chains, including automobile and bicycle chains, Machine drive. Diamond Chain and Manufacturing Company. 241,217, Apr. 17, 1928. Republished Feb. 24.

Cooking utensils, Aluminum. Aluminum Goods Mfg. Co. 436,826, Feb. 24; Serial No. 518,637, published Dec. 2, 1947.

Enameled ware. Columbian Enameling & Stamping Company. 125,407, May 20, 1919. Republished Feb. 24.

Glides, Furniture. Frank Cannon Enterprises. 436,805, Feb. 24; Serial No. 508,140, published Dec. 2, 1947.

Grill and combination grill and platter, Non-electrical cast aluminum, cooking. C. D. Muller. 436,794, Feb. 24; Serial No. 495,086, published Nov. 18, 1947.

Hardware, Curtain and drapery. Plasti-Glo Manufacturing Company. 436,801, Feb. 24; Serial No. 505,616, published Nov. 18, 1947.

Hinges, door and casement pivots, casement holders, etc., Door and casement. Oscar C. Rixson Company. 247,587, Oct. 2, 1928. Republished Feb. 24.

Holders with a base metal chain, Plastic. Rumsey Chevrolet. 436,818, Feb. 24; Serial No. 515,638, published Dec. 2, 1947.

Metal vases and metal stands and holders. Ariston, Incorporated. 436,806, Feb. 24; Serial No. 508,459, published Nov. 18, 1947.

Nozzle for a fire hose, Dual purpose shut-off. Grinnell Company, Inc. 436,825, Feb. 24; Serial No. 518,462, published Dec. 2, 1947.

Pan, Metal baking. Wagner Manufacturing Company. 136,976, Nov. 9, 1920. Republished Feb. 24.

Plumbing and steam-fitting supplies. S/A. Industrias Metalurgicas "Crá." 436,813, Feb. 24; Serial No. 512,451, published Nov. 18, 1947.

Pots, tea pots, coffee boilers, etc., Coffee. Columbian Enameling & Stamping Company. 125,033-4, Apr. 8, 1919. Republished Feb. 24.

Pots, tea pots, coffee boilers, etc., Coffee. Columbian Enameling & Stamping Company. 125,865, June 24, 1919. Republished Feb. 24.

Shower curtains made of plastic sheeting. U. S. Fiber & Plastics Corp. 436,807, Feb. 24; Serial No. 510,138, published Nov. 18, 1947.

Sprinklers, Lawn. M. W. Hartmann. 436,824, Feb. 24; Serial No. 517,992, published Dec. 2, 1947.

Tank balls for flush toilets. B. Svirsky. 436,802, Feb. 24; Serial No. 506,398, published Nov. 18, 1947.

Toilet seats, toilet plungers, door stops, etc. Verallin, Inc. 436,808, Feb. 24; Serial No. 510,817, published Nov. 18, 1947.

Tubing and conduit, and fittings, Flexible metal. Co-operative Industries, Inc. 436,830, Feb. 24; Serial No. 519,261, published Dec. 2, 1947.

Tubing, Metal. Trent Tube Manufacturing Co. 436,791, Feb. 24; Serial No. 486,700, published Nov. 25, 1947.

Valves, automatic pressure and vacuum relief valves, etc., Whistle. Swanson Manufacturing Company, Inc. 436,822, Feb. 24; Serial No. 517,271, published Nov. 18, 1947.

CLASS 14

Solder, Resin-core. Graybar Electric Company, Inc. 235,303, renewed Nov. 15, 1947. O. G. Feb. 24.

Steel. Kloster Steel Corporation. 209,538, Feb. 23, 1926. Republished Feb. 24.

Steel bars, Hot-rolled and cold-finished. Jones & Laughlin Steel Corporation. 230,894, Aug. 9, 1927. Republished Feb. 24.

Steel castings. Chicago Steel Foundry Company. 243,389, June 19, 1928. Republished Feb. 24.

CLASS 15

Candles, Wax. Emery Industries, Inc. 436,812, Feb. 24; Serial No. 511,866, published Nov. 11, 1947.

Gasolene, kerosene, burning oils, etc. Milton Oil Company. 436,796, Feb. 24; Serial No. 497,623, published Oct. 28, 1947.

Gasoline. American Oil Company. 436,833, Feb. 24; Serial No. 521,424, published Nov. 11, 1947.

Gasoline. G. T. Wofford Oil Co. 124,431, Feb. 11, 1919. Republished Feb. 24.

Grease and lubricating oil, Petroleum lubricating. Hemisphere Trading Company, Inc. 436,814, Feb. 24; Serial No. 512,669, published Dec. 2, 1947.

Oil and motor tune-up oil, Lubricating. Dunlop Tire and Rubber Corporation. 436,816, Feb. 24; Serial No. 513,615, published Dec. 2, 1947.

Oil, Lubricating. Star Oil Company. 122,288-9, July 16, 1918. Republished Feb. 24.

Oil, Lubricating. Sun Oil Company. 436,828, Feb. 24; Serial No. 518,858, published Nov. 4, 1947.

Oil preparation for addition to petrol. Bentley Maudeley & Co., Limited. 436,819, Feb. 24; Serial No. 516,250, published Nov. 4, 1947.

Oils and greases. Socony-Vacuum Oil Company, Incorporated. 436,817, Feb. 24; Serial No. 514,914, published Nov. 4, 1947.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 22

Oils and greases, Lubricating. Freedom-Valvoline Oil Company. 436,821, Feb. 24; Serial No. 517,123, published Dec. 2, 1947.

Oils and greases, Lubricating. Star Oil Company. 121,963, June 11, 1918. Republished Feb. 24.

Oils, Lubricating. Sun Oil Company. 436,827, Feb. 24; Serial No. 518,857, published Nov. 4, 1947.

Oils, Quenching. Socony-Vacuum Oil Company, Incorporated. 436,820, Feb. 24; Serial No. 516,642, published Nov. 18, 1947.

CLASS 16

Colors in oil, distemper colors, Japan colors, etc. Acme White Lead & Color Works. 66,757, re-renewed Dec. 24, 1947. O. G. Feb. 24.

Lacquer floor covering. R. N. Nason & Co. 244,776, July 24, 1928. Republished Feb. 24.

Varnish and ready-mixed paints. De Soto Paint Manufacturing Co. 209,407, renewed Feb. 23, 1946. O. G. Feb. 24.

CLASS 17

Cigars. Sanchez & Haya Company. 238,627, renewed Feb. 14, 1948. O. G. Feb. 24.

Cigars, cigarettes, cheroots, etc. G. Zifferblatt. 234,845, renewed Nov. 8, 1947. O. G. Feb. 24.

CLASS 19

Automobiles. Buffalo Commercial Body Co. Inc. 247,615, Oct. 2, 1928. Republished Feb. 24.

CLASS 21

Batteries, Electric. Burgess Battery Company. 134,605, Sept. 14, 1920. Republished Feb. 24.

Bonds and electrical conductors, Wire. Electric Railway Improvement Co. 66,420, Nov. 26, 1907. Republished Feb. 24.

Bottle warmers, Electric. C. F. Fuller. 436,823, Feb. 24; Serial No. 517,471, renewed Dec. 2, 1947.

Boxes and fluorescent lighting fixtures, Electric cutout. Huenefeld Company. 436,840, Feb. 24; Serial No. 524,466, published Nov. 25, 1947.

Communication sets, Wired electronic. Lyman Electronic Corporation. 436,831, Feb. 24; Serial No. 520,048, published Dec. 2, 1947.

Cranes and parts thereof, Electric. Milwaukee Electric Crane & Mfg. Co., Inc. 156,710, July 11, 1922. Republished Feb. 24.

Fans, Electrically-driven ventilating. American Blower Company. 238,318, renewed Feb. 7, 1948. O. G. Feb. 24.

Generating and heating apparatus, High frequency electronic power. Radio Corporation of America. 436,793, Feb. 24; Serial No. 490,259, published Nov. 25, 1947.

Hoists, Electric. Lisbon Hoist and Crane Company. 436,798, Feb. 24; Serial No. 501,748, published Nov. 25, 1947.

Insulators, Electrical. Owens-Illinois Glass Company. 370,320, Aug. 22, 1939. Republished Feb. 24.

Magnets. Witherbee Igniter Company. 133,096, July 6, 1920. Republished Feb. 24.

Oil used for the insulation and filling of electrical cables and cable joints. Socony-Vacuum Oil Company, Incorporated. 436,832, Feb. 24; Serial No. 520,062, published Dec. 2, 1947.

Outlet boxes, Electric. Appleton Electric Company. 69,532, June 16, 1908. Republished Feb. 24.

Radio receiving apparatus and parts thereof. New Idea, Inc. 436,799, Feb. 24; Serial No. 503,992, published Oct. 7, 1947.

Radio receiving sets. Aeolian American Corporation. 436,837-8, Feb. 24; Serial Nos. 524,275-6, published Nov. 25, 1947.

Radio receiving sets and parts thereof. People's Outfitting Company. 234,655, renewed Nov. 1, 1947. O. G. Feb. 24.

Radio signaling apparatus and parts thereof. Central Radio Laboratories. 174,599, Oct. 23, 1923. Republished Feb. 24.

Repair and replacement parts, Automobile. F. & B. Mfg. Co. 436,804, Feb. 24; Serial No. 507,976, published Nov. 25, 1947.

Rheostats and resistance devices. Central Radio Laboratories. 217,658, Sept. 7, 1926. Republished Feb. 24.

Switches and fuses, Electric. W. N. Matthews Corporation. 231,970, Aug. 30, 1927. Republished Feb. 24.

Tools, Electrically actuated portable. C. Wolmer. 436,811, Feb. 24; Serial No. 511,432, published Dec. 2, 1947.

Tubes and battery eliminators, Rectifying, regulating, and smoothing. Raytheon Manufacturing Company. 237,111, Jan. 3, 1928. Republished Feb. 24.

Tubes, Thermionic vacuum. Hytron Corporation. 240,104, renewed Mar. 20, 1948. O. G. Feb. 24.

Wires and cables, Bare and insulated electric. General Cable Corporation. 436,839, Feb. 24; Serial No. 524,320, published Nov. 25, 1947.

Wires, Insulated electrical conducting. Belden Manufacturing Company. 223,258, Jan. 25, 1927. Republished Feb. 24.

Bats, Base-ball. J. G. Kren. 234,370, renewed Oct. 25, 1947. O. G. Feb. 24.

Cards, Playing. Brown & Bigelow. 279,124, Jan. 6, 1931. Republished Feb. 24, 1948.

Golf balls. Worthington Ball Company. 101,662, Jan. 5, 1915. Republished Feb. 24.

Golf balls. Worthington Ball Company. 101,666, Jan. 5, 1915. Republished Feb. 24.

Golf balls. Worthington Ball Company. 102,826-7, Feb. 23, 1915. Republished Feb. 24.

Golf balls. Worthington Ball Company. 105,005, June 29, 1915. Republished Feb. 24.

Golf balls. Worthington Ball Company. 107,035, Nov. 9, 1915. Republished Feb. 24.

Rods, handles, fishing reels, etc., Fishing. American Fork & Hoe Company. 239,511, Mar. 6, 1928. Republished Feb. 24.

CLASS 23

Axes, hatchets, machetes, hammers, etc. Kelly Axe Manufacturing Co., Inc. 140,855, Mar. 29, 1921. Republished Feb. 24.

Block-making machine, Concrete. Leslie C. Miller Supply, Inc. 436,835, Feb. 24; Serial No. 521,998, published Nov. 25, 1947.

Caps for a grease fitting, Removable. A. E. Klinger. 436,810, Feb. 24; Serial No. 511,096, published Dec. 2, 1947.

Chisels, drift pins, pry bars, etc. Bonney Forge and Tool Works. 237,871, renewed Jan. 17, 1948. O. G. Feb. 24.

Cotton-ginning machinery. Gullett Gin Co. 238,027, Jan. 24, 1928. Republished Feb. 24.

Cultivators, Hand. American Fork & Hoe Company. 146,160, Sept. 6, 1921. Republished Feb. 24.

Engines, Diesel. Union Gas Engine Co. 180,144, Feb. 26, 1924. Republished Feb. 24.

Fans, blowers, propeller fans, etc., Centrifugal. S. C. Davidson. 66,042, re-renewed Nov. 5, 1947. O. G. Feb. 24.

Feed crushers, feed grinders, and parts thereof, etc., Stock. Letz Manufacturing Co. 133,718, Aug. 3, 1920. Republished Feb. 24.

Forks, hoes and rakes, Spading. American Fork & Hoe Company. 237,935, Jan. 24, 1928. Republished Feb. 24, 1948.

Forks, hoes, and rakes, Spading. American Fork & Hoe Company. 238,211, Jan. 31, 1928. Republished Feb. 24.

Gear boxes, Change speed. Wycliffe Foundry & Engineering Co. Limited. 436,803, Feb. 24; Serial No. 507,955, published Dec. 2, 1947.

Handle tops, Stamped-metal. American Fork & Hoe Company. 206,556, Dec. 8, 1925. Republished Feb. 24.

Handles, Tool. Turner, Day & Woolworth Handle Company. 79,018, July 26, 1910. Republished Feb. 24.

Hardware, Heavy. Boston & Lockport Block Company. 233,242, Sept. 27, 1927. Republished Feb. 24.

Hydraulic presses and pumps for hydraulic presses. Hydraulic Press Manufacturing Company. 436,795, Feb. 24; Serial No. 496,788, published Dec. 2, 1947.

Internal-grinding machines. Greenfield Tap and Die Corporation. 238,070, Jan. 24, 1928. Republished Feb. 24.

Machine for writing on metals. William Brewster Company, Inc. 123,544, Nov. 19, 1918. Republished Feb. 24.

Machines, Typewriting. Remington-Noiseless Typewriter Corporation. 202,812, renewed Jan. 5, 1948. O. G. Feb. 24.

Marine fire extinguishing systems. Walter Kilde & Company, Incorporated. 137,898, Dec. 7, 1920. Republished Feb. 24.

Metal working machines and tools. R. K. Le Blond Machine Tool Co. 436,790, Feb. 24; Serial No. 472,782, published Dec. 2, 1947.

Pliers, non-cutting pliers, wrenches and putty-knives, Non-cutting. Norvell-Shapleigh Hardware Company. 68,012, re-renewed Mar. 3, 1948. O. G. Feb. 24.

Plows, grain-binders, etc. International Harvester Company. 140,845, Mar. 29, 1921. Republished Feb. 24.

Pocket piece, bottle opener and key chain, Combination. O. R. Galter. 436,836, Feb. 24; Serial No. 523,379, published Nov. 25, 1947.

Power transmission machinery. Dodge Manufacturing Corporation. 240,257, Mar. 20, 1928. Republished Feb. 24.

Razors, Electric. Escort Sales Company, Inc. 436,829, Feb. 24; Serial No. 519,185, published Nov. 25, 1947.

Supports, shaft hangers, bearings, Shaft. Dodge Manufacturing Corporation. 244,945, July 31, 1928. Republished Feb. 24.

Tools, forks, etc., Certain farm, garden and other hand. American Fork & Hoe Company. 146,672, Sept. 20, 1921. Republished Feb. 24.

Typewriting-machines. Noiseless Typewriting Company. 138,914, renewed Jan. 5, 1948. O. G. Feb. 24.

Valves, Metal. Worthington Pump and Machinery Corporation. 120,927, Mar. 12, 1918. Republished Feb. 24.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Vises, pipe vises and combination bench and pipe vises, Bench. Wilton Tool Manufacturing Co. 436,834, Feb. 24; Serial No. 521,842, published Nov. 25, 1947.
Winders, tube winders, and gassing machines, Cone. Foster Machine Company. 188,655, Sept. 2, 1924. Republished Feb. 24.

CLASS 24

Ironing machines, Electric. Graybar Electric Company, Inc. 234,627, renewed Nov. 1, 1947. O. G. Feb. 24.

CLASS 26

Ammeters, current meters, voltmeters, etc. Graybar Electric Company, Inc. 234,519, renewed Nov. 1, 1947. O. G. Feb. 24.
Apparatus, Synchronized. Vitaphone Corporation. 231,348, renewed Aug. 16, 1947. O. G. Feb. 24.
Frames and lenses therefor, Eyeglass and spectacle. Societe des Lunetiers, Eparvier, Ottolini Cottet & Cie. 436,844, Feb. 24.
Funnels for laboratory use, Glass. Kimble Glass Company. 377,988, May 21, 1940. Republished Feb. 24.
Glass for inspecting diamonds, Colored. Kay-Dee Jewelry Company. 436,846, Feb. 24.
Glassware, Chemical, scientific, and laboratory. Kimble Glass Company. 379,843, July 30, 1940. Republished Feb. 24.
Glassware, Chemical, scientific, and laboratory. Kimble Glass Company. 399,307, Dec. 29, 1942. Republished Feb. 24.
Glassware, Graduated chemical and laboratory. Kimble Glass Company. 162,799-800, Dec. 26, 1922. Republished Feb. 24.
Glassware, Graduated chemical and laboratory. Kimble Glass Company. 164,311, Feb. 20, 1923. Republished Feb. 24.
Glassware, Graduated chemical and laboratory. Kimble Glass Company. 188,982, Sept. 9, 1924. Republished Feb. 24.
Hydrometer barrels. Kimble Glass Company. 421,603, June 4, 1946. Republished Feb. 24.
Hydrometers. Kimble Glass Company. 380,224, Aug. 13, 1940. Republished Feb. 24.
Lenses, Optical. White-Haines Optical Co. 110,410, May 23, 1916. Republished Feb. 24.
Photographic developing papers, Sensitized. Haloid Company. 238,161, Jan. 31, 1928. Republished Feb. 24.
Scales, Kitchen. Hanson Scale Company. 285,107, May 19, 1931. Republished Feb. 24.
Scales, Weighing. Hanson Brothers Scale Company. 183,825, May 6, 1924. Republished Feb. 24.

CLASS 27

Watches and parts thereof. M. Dreyfuss. 235,845, renewed Nov. 29, 1947. O. G. Feb. 24.
Watches, clocks, alarm clocks, etc., Vehicle. Fabriques Des Montres Zenith S. A. Zenith Watch Manufacturing Ltd. 184,746, renewed June 3, 1944. O. G. Feb. 24.
Watches, clocks, their cases and movements. I. Ollendorff Co., Inc. 234,069, renewed Oct. 18, 1947. O. G. Feb. 24.
Watches, watchcases and watch movements. Gruen Watch Company. 174,290, renewed Jan. 5, 1948. O. G. Feb. 24.

CLASS 28

Buttons, collar buttons, tie holders, etc., Cuff. Taunton Pearl Works, Inc. 178,791, Jan. 29, 1924. Republished Feb. 24.

CLASS 29

Puffs, Powder. M. Levy. 238,086, renewed Jan. 24, 1948. O. G. Feb. 24.
Toothbrushes. Owens Staple-Tied Brush Company. 249,614, Nov. 20, 1928. Republished Feb. 24.
Toothbrushes. Owens Staple-Tied Brush Company. 333,304, Mar. 17, 1936. Republished Feb. 24.
Toothbrushes. Owens Staple-Tied Brush Company. 388,370, Jan. 24, 1941. Republished Feb. 24.

CLASS 31

Refrigeration systems, Iceless. Copeland Products, Inc. 209,292, renewed Jan. 5, 1948. O. G. Feb. 24.

CLASS 32

Desk tops. General Fireproofing Company. 218,135, Sept. 21, 1926. Republished Feb. 24.
Mirrors, Toilet, stand, wall, extension, triplicate, hand, easel, etc. Acme Specialty Manufacturing Company. 125,604, May 27, 1919. Republished Feb. 24.
Springs, bed frames, buffets, etc., Bed. People's Outfitting Company. 233,823, renewed Oct. 11, 1947. O. G. Feb. 24.

CLASS 33

Bottles and jars, Glass. Owens-Illinois Glass Company. 392,826, Jan. 13, 1942. Republished Feb. 24.

Bottles, glass jars, and glass containers, Glass. Owens-Illinois Pacific Coast Company. 303,526, May 30, 1933. Republished Feb. 24.
Bottles, glass jars, glass tumblers, etc., Glass. Pacific Coast Glass Company. 271,523, June 10, 1930. Republished Feb. 24.
Bottles, jars, and jugs. Owens-Illinois Glass Company. 390,467, Sept. 23, 1941. Republished Feb. 24.
Bottles, jars, jugs, etc. Owens-Illinois Glass Company. 269,225, Apr. 1, 1930. Republished Feb. 24.
Glasses and for glass dishes, Drinking. Libbey Glass Company. 359,502, Aug. 23, 1938. Republished Feb. 24.
Glasses, Drinking. Owens-Illinois Glass Company. 412,400, Mar. 6, 1945. Republished Feb. 24.
Glasses, fruit cups, berry dishes, etc., Drinking. Libbey Glass Company. 360,944, Oct. 4, 1938. Republished Feb. 24.
Rods, glass tubing, and glass containers, Glass. Kimble Glass Company. 388,537, July 1, 1941. Republished Feb. 24.
Rods, glass tubing, and glass containers, Glass. Kimble Glass Company. 396,024, June 23, 1942. Republished Feb. 24.

CLASS 34

Fans, blowers, propeller fans, etc., Centrifugal. S. C. Davidson. 66,042, re-renewed Nov. 5, 1947. O. G. Feb. 24.
Fans, Nonelectric ventilating. American Blower Company. 237,681, renewed Jan. 17, 1948. O. G. Feb. 24.
Lighters, Pyrophoric cigar. Brown & Bigelow. 266,667, Jan. 28, 1930. Republished Feb. 24.
Lighters, Pyrophoric pencil. Brown & Bigelow. 363,607, Jan. 3, 1939. Republished Feb. 24.
Liquid-fuel-burning devices. Williams Oil-O-Matic Heating Corporation. 239,830, renewed Mar. 13, 1948. O. G. Feb. 24.
Stoves, furnaces, steam boilers, etc. S. C. Davidson. 65,980, re-renewed Nov. 5, 1947. O. G. Feb. 24.

CLASS 35

Packing and packing material. Garlock Packing Company. 176,911, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 180,815, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 180,821, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 181,171, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 183,512, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 183,514-18, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 183,550, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 192,814, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 192,816, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 193,140-5, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 193,147-8, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 193,573, renewed Jan. 5, 1948. O. G. Feb. 24.
Packing and packing material. Garlock Packing Company. 193,575-85, renewed Jan. 5, 1948. O. G. Feb. 24.
Tires and tubes, Vehicle. Marathon Rubber Company, Inc. 237,989, renewed Jan. 24, 1948. O. G. Feb. 24.

CLASS 36

Musical-instrument strings. Armour and Company. 134,575, Sept. 14, 1920. Republished Feb. 24.
Musical-instrument strings. Armour and Company. 134,577-8, Sept. 14, 1920. Republished Feb. 24.
Musical instruments and supplies. Armour and Company. 134,576, Sept. 14, 1920. Republished Feb. 24.
Piano plates. American Skein & Foundry Company. 180,317, Feb. 26, 1924. Republished Feb. 24.
Pianos. Story & Clark Piano Company. 130,120, Apr. 6, 1920. Republished Feb. 24.

CLASS 37

Blotters, pencils and memorandum pads. Brown & Bigelow. 412,238, Feb. 27, 1945. Republished Feb. 24.
Cards, guides, folders, and sheets, Index. Filing Equipment Bureau Incorporated. 231,415, Aug. 16, 1927. Republished Feb. 24.
Envelopes, Mailing. Transo Envelope Company. 232,696, Sept. 13, 1927. Republished Feb. 24.
Magazine-pencils. Brown & Bigelow. 144,356, July 5, 1921. Republished Feb. 24.
Novelties made of molded material. Brown & Bigelow. 342,739, Jan. 26, 1937. Republished Feb. 24.
Pads, Telephone index. Brown & Bigelow. 363,867, Jan. 10, 1939. Republished Feb. 24.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Paper and envelopes, Writing. Marshall Field & Company. 160,573, Oct. 24, 1922. Republished Feb. 24.
Paper, correspondence and mailing envelopes, typewriter papers, etc., Writing. Zellerbach Paper Company. 239,329, Feb. 28, 1928. Republished Feb. 24.
Paper, Printing. Seaman Paper Company. 215,641, July 20, 1926. Republished Feb. 24.
Paper sealing, veneer and stay tapes, Gummed and ungummed. Chicago Gum Tape Company. 234,054, renewed Oct. 18, 1947. O. G. Feb. 24.
Pencils. Brown & Bigelow. 160,402, Oct. 24, 1922. Republished Feb. 24.
Pencils. Brown & Bigelow. 276,085, Oct. 7, 1930. Republished Feb. 24.
Pencils, pens, leads, and rubber erasers. Brown & Bigelow. 268,961, Mar. 25, 1930. Republished Feb. 24.
Punches, Hand. Globe-Wernicke Co. 239,215, Feb. 28, 1928. Republished Feb. 24.
Sponge cups with and without sponges. Sengbusch Self-Closing Inkstand Company. 231,346, Aug. 16, 1927. Republished Feb. 24.
Writing-paper, printing-paper, card-stock and envelopes. Zellerbach Paper Company. 121,998, June 11, 1918. Republished Feb. 24.

CLASS 38

Books and pamphlets, Printed. H. A. Groth. 129,735, Mar. 9, 1920. Republished Feb. 24.
Calendars. Brown & Bigelow. 387,935, June 10, 1941. Republished Feb. 24.
Etchings, printed etchings, greeting cards, etc. Brown & Bigelow. 283,431, May 26, 1931. Republished Feb. 24.
Etchings, printed etchings, greeting cards, etc. Brown & Bigelow. 290,789, Jan. 19, 1932. Republished Feb. 24.
Magazine. Johnston Export Publishing Company. 232,091, Aug. 30, 1927. Republished Feb. 24.
Magazines, Semimonthly. Western Construction News, Inc. 230,232, renewed July 19, 1947. O. G. Feb. 24.
Newspaper, Daily. Chronicle Publishing Company. 121,044, Apr. 2, 1918. Republished Feb. 24.
Periodical. Brown & Bigelow. 206,121, Nov. 24, 1925. Republished Feb. 24.
Publication. Burroughs Adding Machine Company. 247,563, Oct. 2, 1928. Republished Feb. 24.
Publication. Labor Relation Institute. 436,841, Feb. 24.
Publication, Monthly. W. H. Cousins. 229,373, renewed June 28, 1947. O. G. Feb. 24.
Publication, Monthly. Tool & Die Journal. 436,842, Feb. 24.
Publication, Periodical. Buescher Band Instrument Co. 239,420, renewed Mar. 6, 1948. O. G. Feb. 24.
Publications, Periodical. C. P. Carter. 231,019, Aug. 9, 1927. Republished Feb. 24.
Publications, Periodical. Johnston Export Publishing Co. 226,592, Apr. 12, 1927. Republished Feb. 24.
Signs and calendars and decalcomania transfers, Printed. Brown & Bigelow. 400,518, Mar. 16, 1943. Republished Feb. 24.

CLASS 39

Belts for personal wear. Gifford-Weiffenbach Company. 190,306, Oct. 14, 1924. Republished Feb. 24.
Boots and shoes, Leather. Carpenter Shoe Company, Inc. 166,081, Mar. 27, 1923. Republished Feb. 24.
Corset and brassiere, Combination. Franco Corset Company. 241,125, Apr. 17, 1928. Republished Feb. 24.
Hosiery. Apex Hosiery Company. 129,118, Jan. 27, 1920. Republished Feb. 24.
Neckties and cravats. Meyer-Mueller-Goodman Co. 237,956, Jan. 24, 1928. Republished Feb. 24.
Overalls, pants, shirts, etc. Miller Company. 218,184, Sept. 21, 1926. Republished Feb. 24.
Shirts, negligee shirts, and dress shirts, Men's work. Broom & Newman. 238,645, renewed Feb. 14, 1948. O. G. Feb. 24.
Shoes. Marshall Field & Company. 232,148, Sept. 6, 1927. Republished Feb. 24.
Shoes. E. P. Reed & Co. 172,122, Aug. 21, 1923. Republished Feb. 24.
Shoes, Leather, rubber, and canvas, men's and women's. Marshall Field & Company. 125,707, June 3, 1919. Republished Feb. 24.
Suits, vests, trousers, etc., Men's. Stein Bloch Co. 239,240, renewed Feb. 28, 1948. O. G. Feb. 24.
Union suits, Children's athletic waist. J. Feinberg. 237,835, renewed Jan. 17, 1948. O. G. Feb. 24.
Wearing apparel. Berliand Shoe Stores, Inc. 319,379, Nov. 20, 1948. Corrected. O. G. Feb. 24.

CLASS 40

Fasteners, Snap. Wilson Fastener Company. 114,606, Dec. 19, 1916. Republished Feb. 24.

CLASS 42

Piece goods, Silk. Duplan Silk Corporation. 220,598-9, renewed Nov. 9, 1946. O. G. Feb. 24.
Piece goods, Silk. Duplan Silk Corporation. 220,766, renewed Nov. 16, 1946. O. G. Feb. 24.

Piece goods, Woolen, worsted, cotton. Woolen Corporation of America. 232,418, renewed Sept. 6, 1947. O. G. Feb. 24.
Rugs, carpets, and floor coverings, Textile. People's Outfitting Company. 235,640, renewed Nov. 22, 1947. O. G. Feb. 24.
Sheeting, sheets, and pillowcases. Marshall Field & Company. 147,358, Oct. 11, 1921. Republished Feb. 24.
Suits for men, Textile. John A. Griffith Co. Incorporated. 161,780, Nov. 21, 1922. Republished Feb. 24.
Voile, Cotton. Royal Embroidery Work, Naday & Fleischer. 129,858, Mar. 9, 1920. Republished Feb. 24.
Woolen jersey. Chopak Textile Co. Inc. 240,910, renewed Apr. 10, 1948. O. G. Feb. 24.

CLASS 44

Dental specialties. Detroit Dental Manufacturing Company. 143,846, renewed Jan. 5, 1948. O. G. Feb. 24.
Fibrous material. Kimberly-Clark Co. 126,706, Sept. 30, 1919. Republished Feb. 24.
Pads or sheets, Absorbent. Cellucotton Products Company. 215,866, July 27, 1926. Republished Feb. 24.
Sanitary napkins. Kimberly-Clark Company. 128,416, Jan. 6, 1920. Republished Feb. 24.

CLASS 45

Beverages, Nonalcoholic maltless. Chocolate Products Company. 213,971, June 8, 1920. Republished Feb. 24.
Extracts, Flavoring. Blanke-Baer Extract & Preserving Company. 237,978, Jan. 24, 1928. Republished Feb. 24.

CLASS 46

Apples and pears, Fresh. Wenatchee-Northern Warehouse & Marketing Co. 120,458, Feb. 5, 1918. Republished Feb. 24.
Beef, mutton, lamb, etc. Federal Packing Co. 230,367, renewed July 19, 1947. O. G. Feb. 24.
Butter and eggs. Houston Packing Company. 106,970, Nov. 9, 1915. Republished Feb. 24.
Candy. Thos. D. Richardson Company. 238,535, renewed Feb. 7, 1948. O. G. Feb. 24.
Canned corn and canned beans and pork with tomato sauce. J. B. Inderrieden Co. 126,292, Aug. 19, 1919. Republished Feb. 24.
Canned corn and canned red beans, canned red kidney beans, etc. Inderrieden Canning Co. 123,132, Oct. 15, 1918. Republished Feb. 24.
Canned cranberry sauce. Hills Brothers Company. 239,865, renewed Mar. 13, 1948. O. G. Feb. 24.
Canned fish. Seacoast Canning Company. 239,079, renewed Feb. 21, 1948. O. G. Feb. 24.
Canned fruit and canned vegetables. J. S. Bierhaus. 238,071, renewed Jan. 24, 1948. O. G. Feb. 24.
Canned peas and canned corn. Inderrieden Canning Co. 122,589, Aug. 27, 1918. Republished Feb. 24.
Canned ripe olives. W. H. Floyd. 436,800, Feb. 24; Serial No. 504,539, published Nov. 25, 1947.
Canned spaghetti sauce, spaghetti and beef meat balls, beef meat balls, etc. Chef Boy-Ar-Dee Quality Foods, Inc. 436,809, Feb. 24; Serial No. 510,881, published Nov. 25, 1947.
Canned tuna fish. Wm. H. Stanley, Inc. 235,349, renewed Nov. 15, 1947. O. G. Feb. 24.
Canned vegetables. Winorr Canning Company. 233,826, renewed Oct. 11, 1947. O. G. Feb. 24.
Chocolate. D. Ghirardelli Co. 127,045, Oct. 21, 1919. Republished Feb. 24.
Chocolate and chocolate candy, Eating. D. Ghirardelli Co. 106,424, Oct. 19, 1915. Republished Feb. 24.
Chocolate and cocoa. D. Ghirardelli Company. 189,040, Sept. 9, 1924. Republished Feb. 24.
Citron, shredded and/or desiccated coconut, dried currants, etc., Candied. Hills Brothers Company. 240,753, renewed Apr. 10, 1948. O. G. Feb. 24.
Coffee. Hills Bros. 105,725-6, Aug. 17, 1915. Republished Feb. 24.
Coffee. Hills Bros. 163,338, Jan. 9, 1923. Republished Feb. 24.
Coffee and tea. Shapleigh Coffee Company. 68,024, renewed Mar. 3, 1948. O. G. Feb. 24.
Coffee and tea. Shapleigh Coffee Company. 68,037, renewed Mar. 3, 1948. O. G. Feb. 24.
Crackers and cracker meal. B. Manischewitz Company. 234,050, renewed Oct. 18, 1947. O. G. Feb. 24.
Cranberries. American Cranberry Exchange. 114,671, Jan. 2, 1917. Republished Feb. 24.
Cranberry sauce, cranberry jelly. American Cranberry Exchange, Incorporated. 193,249, Dec. 23, 1924. Republished Feb. 24.
Dates and pitted dates. Romany Date Co., Inc. 239,239, renewed Feb. 28, 1948. O. G. Feb. 24.
Feed, Poultry and dairy. Northrup, King & Co. 146,314, Sept. 6, 1921. Republished Feb. 24.
Feeds, Poultry. Rudy-Patrick Seed Company. 235,936-7, renewed Nov. 29, 1947. O. G. Feb. 24.
Flour, Wheat. Moseley & Motley Milling Company. 30,744, re-renewed Oct. 26, 1947. O. G. Feb. 24.
Flour, Wheat. Robinson Milling Company. 245,996, Aug. 28, 1928. Republished Feb. 24.

Flour, Wheat. Western Star Mill Co. 238,618, renewed Feb. 14, 1948. O. G. Feb. 24.
Fruits, candied nuts, and candy, Candied. F. G. Jensen. 138,978, Jan. 18, 1921. Republished Feb. 24.
Fruits, Fresh. Wenatchee Northern Warehouse & Marketing Co. 168,685, May 29, 1923. Republished Feb. 24.
Fruits, Fresh citrus. Citrus Fruit Association of Ontario. 237,454, renewed Jan. 10, 1948. O. G. Feb. 24.
Fruits, Fresh citrus. East Highlands Citrus Association. 237,323, renewed Jan. 10, 1948. O. G. Feb. 24.
Fruits, Fresh citrus. C. D. Hubbard Fruit Co. 238,268, renewed Jan. 31, 1948. O. G. Feb. 24.
Fruits, Fresh citrus. C. D. Hubbard Fruit Co. 239,203, renewed Feb. 28, 1948. O. G. Feb. 24.
Fruits, Fresh citrus. L. Maxcy, Inc. 239,871, renewed Mar. 13, 1948. O. G. Feb. 24.
Fruits, Fresh citrus. Monte Vista Citrus Association. 238,176, renewed Jan. 31, 1948. O. G. Feb. 24.

Grapes, fresh deciduous fruits, fresh citrus fruits, etc., Fresh. Frances Citrus Association. 239,943, renewed Mar. 13, 1948. O. G. Feb. 24.
Juice, Grape. Pleasant Valley Wine Company. 240,568, renewed Apr. 3, 1948. O. G. Feb. 24.
Marshmallows. Richlite Products Co. 230,345, renewed July 19, 1947. O. G. Feb. 24.
Tea. Salada Tea Company, Inc. 116,557, May 8, 1917. Republished Feb. 24.
Wheat-flour. Columbia Mill & Elevator Company. 66,386, re-renewed Nov. 26, 1947. O. G. Feb. 24.
Wheat-flour. Columbia Mill & Elevator Company. 66,918, re-renewed Jan. 7, 1948. O. G. Feb. 24.

CLASS 50

Fabric, Sheet. Respro Inc. 190,853, Oct. 28, 1924. Republished Feb. 24.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alison, Noah L., Phoenix, Ariz., assignor to The American Blower Corporation, Detroit, Mich. Dump valve for hydraulic couplings. Re. 22,975, Feb. 24.
American Blower Corporation, The, assignee: See—
Alison, Noah L.
Dalley, Donald E., Bryn Mawr, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Two-temperature refrigerator. Re. 22,976, Feb. 24.

General Aniline & Film Corporation, assignee: See—
Kaszuba, Frank J.
Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Bleaching bath and process for bleaching color film. Re. 22,977, Feb. 24.
Philco Corporation, assignee: See—
Dalley, Donald E.

LIST OF PLANT PATENTEES

Morris, Lillian A., administratrix: See—
Morris, Theodore J.

Morris, Theodore J., deceased, by L. A. Morris, administratrix, assignor to Western Rose Co., Van Nuys, Calif. Rose plant. 785, Feb. 24.

Western Rose Co., assignee: See—
Morris, Theodore J.

LIST OF DESIGN PATENTEES

Allen, Philip S., Long Beach, Calif. Cabinet for automatic photographic apparatus. 148,740, Feb. 24.
American Car and Foundry Company, assignee: See—
Kuhler, Otto.
Anderson, Chester S., St. Charles, Ill. Ski sled or similar article. 148,741, Feb. 24.
Anderson, Harry W., assignee: See—
Haldane, James M.
Baratelli, Charles A., Newton, assignor to Polaroid Corporation, Cambridge, Mass. Automotive visor or similar article. 148,742, Feb. 24.
Barrett, Harry B., St. Louis, Mo. Building front. 148,743, Feb. 24.
Bennett, Harold P., West New York, N. J. Combination chair and chest. 148,744, Feb. 24.
Berger, Samuel I., Newark, N. J. Toy typewriter. 148,745, Feb. 24.
Berggren, John W., Chicago, Ill. Phonograph needle. 148,746, Feb. 24.
Berker, Gabriel C., Atherton, Calif. Wheelbarrow. 148,747, Feb. 24.
Blecher, Boris, Philadelphia, Pa. Book end. 148,748, Feb. 24.
Boldt, James E., Richmond, assignor to California Trailer Company, El Cerrito, Calif., a co-partnership composed of Preston Perdue and Edwin Gilbert. Trailer. 148,749, Feb. 24.
Bookman, Charles F., Jr., University Heights, and Z. H. Jamme, assignors to Railley Corporation, Cleveland, Ohio. Bracket lamp socket. 148,750, Feb. 24.
Borg-Warner Corporation, assignee: See—
Keller, Leonard.
Boucher, Marcel, New York, N. Y. Pin or similar article. 148,751, Feb. 24.
Brass Products Co.: See—
Haldane, James M.
Briam Industrial Corporation, assignee: See—
De Kadt, Maurits and J.
Brunswick-Balke-Collender Company, The, assignee: See—
Gillett, Edward C.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,752, Feb. 24.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,753, Feb. 24.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,754, Feb. 24.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,755, Feb. 24.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,756, Feb. 24.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,757, Feb. 24.

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Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,758, Feb. 24.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,759, Feb. 24.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,760, Feb. 24.
California Trailer Company, assignee: See—
Boldt, James E.
Canal National Bank of Portland, Maine, The, assignee, trustee, et al.: See—
Shepard, Ernest L.
Carmody, James, Collingswood, N. J. Rocket car. 148,761, Feb. 24.
Carrière, Laurier, Rockford, Ill., assignor to The Maytag Company, Newton, Iowa. Frozen food locker or similar article. 148,762, Feb. 24.
Chase Candy Company, assignee: See—
Yantis, William A.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or the like. 148,763, Feb. 24.
Clement, Theodore G., assignor to Eastman Kodak Company, Rochester, N. Y. Projector. 148,764, Feb. 24.
Clement, Theodore G., assignor to Eastman Kodak Company, Rochester, N. Y. Folding camera. 148,765, Feb. 24.
Cobbs, Henry, Little River, Fla. Perfume diffuser. 148,766, Feb. 24.
Cobbs-Hopkins Company, assignee: See—
Hopkins, Horner H.
Coca-Cola Company, The, assignee: See—
Naiden, Anthony.
Coltman, Bertram W., Kenilworth, assignor to Republic Molding Corporation, Chicago, Ill. Knife holder. 148,836, Feb. 24.
Coltman, Bertram W., Kenilworth, assignor to Republic Molding Corporation, Chicago, Ill. Knife holder. 148,837, Feb. 24.
Coro, Inc., assignee: See—
Katz, Adolph.
Crowder, Wiley K., Detroit, Mich. Flying model helicopter toy. 148,768, Feb. 24.
Davis, John E., Sherman Oaks, assignor to Na Mac Products Corp., Los Angeles, Calif. Flour sifter. 148,769, Feb. 24.
Davis, John E., Sherman Oaks, assignor to Na Mac Products Corp., Los Angeles, Calif. Egg beater. 148,770, Feb. 24.
Davis, John E., Sherman Oaks, assignor to Na Mac Products Corp., Los Angeles, Calif. Vegetable peeler. 148,771, Feb. 24.
Davis, Wesley J., Los Angeles, Calif. Helicopter. 148,772, Feb. 24.

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De Kadt, Jacques: *See*—
De Kadt, Maurits and J.
De Kadt, Maurits and J., assignors to Briam Industrial Corporation, New York, N. Y. Carpet sweeper casing. 148,773, Feb. 24.
Eastman Kodak Company, assignee: *See*—
Clement, Theodore G.
Hutchison, Miller R., Jr.
Excel Movie Products, Inc., assignee: *See*—
Ubaldi, Mario C.
FR Corporation, The, assignee: *See*—
Nevell, Thomas G. W.
Fay, Benton L., St. Joseph, Mich. Desk. 148,774, Feb. 24.
Fay, Benton L., St. Joseph, Mich. Desk. 148,775, Feb. 24.
Fay, Benton L., St. Joseph, Mich. Multiple desk unit. 148,776, Feb. 24.
Ferris Factories, Inc., assignee: *See*—
Ferris, William P.
Ferris, William P., assignor to Ferris Factories, Inc., York, Pa. Combination spatula, spoon, and scraper. 148,777, Feb. 24.
Fishter, Jacob F., Santa Monica, assignor to Panogear Industries, Los Angeles, Calif. Camera tripod head or similar article. 148,778, Feb. 24.
Frazita, Josephine, New York, N. Y. Dress. 148,779, Feb. 24.
Gillett, Edward C., Evanston, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Span measuring device for bowling balls and the like. 148,780, Feb. 24.
Glickman, Irving, New York, N. Y. Dress. 148,781, Feb. 24.
Goldman, Robert, and R. Nemzer, Brooklyn, N. Y. Lamp base. 148,782, Feb. 24.
Gougler, Marcelline, Chicago, Ill., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 148,783, Feb. 24.
Gourielli Inc., assignee: *See*—
Medgyes, Ladislav.
Gowen, Harlan F., assignee: *See*—
Walker, Robert A.
Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Furnace. 148,784, Feb. 24.
Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Furnace. 148,785, Feb. 24.
Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Furnace. 148,786, Feb. 24.
Haldane, James M., Palos Heights, assignor to H. W. Anderson, doing business as Brass Products Co., Chicago, Ill. Gas valve. 148,787, Feb. 24.
Hansen, William, Chicago, Ill. Portable magazine rack. 148,788, Feb. 24.
Hopkins, Horner H., assignor to Cobbs-Hopkins Company, Des Moines, Iowa. Cabinet. 148,789, Feb. 24.
Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Camera plate. 148,790, Feb. 24.
Jamme, Zia H.: *See*—
Bookman, Charles F., Jr., and Jamme.
Kainitz, Nelson, Buffalo, N. Y. Alphabet. 148,791, Feb. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,792, Feb. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,793, Feb. 24.
Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 148,794, Feb. 24.
Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 148,795, Feb. 24.
Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 148,796, Feb. 24.
Klassett, George E., Atlanta, Ga. Brake drum truing machine. 148,797, Feb. 24.
Korkmaster Company, The, assignee: *See*—
McDowell, Marshall T.
Koven, Marc, New York, N. Y. Jewelry pin. 148,798, Feb. 24.
Kuhler, Otto, Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Combined seat back and washbasins unit. 148,799, Feb. 24.
Laughhead, Gordon, assignor to Gordon Laughhead Company, Grand Haven, Mich. Aeronautical training device. 148,800, Feb. 24.
Laughhead, Gordon, Company, assignee: *See*—
Laughhead, Gordon.
Lawson, William L., Forest Hills, assignor to Whitehouse Products, Inc., Brooklyn, N. Y. Camera. 148,801, Feb. 24.
Leitner, Arthur S., Los Angeles, Calif. Book end. 148,802, Feb. 24.
Leser, Tina, New York, N. Y. Hat. 148,803, Feb. 24.
Lewis, Florence K., and E. Trout, Glendale, Calif. Egg container. 148,804, Feb. 24.
Liolich, Alexander, Dearborn, and S. N. Liolich, Detroit, Mich. Golf club. 148,805, Feb. 24.
Liolich, Samuel N.: *See*—
Liolich, Alexander and S. N.
Lorenz, Henry T., assignor to H. Powell, Chicago, Ill. Photographic lamp holder. 148,806, Feb. 24.
MacDonald, William B., Jr., Chicago, Ill. Vehicle trailer. 148,807, Feb. 24.
MacDonald, William B., Jr., Chicago, Ill. Vehicle trailer. 148,808, Feb. 24.
Malmstead, Lilyan, New York, N. Y. Cosmetic bag or similar article. 148,811, Feb. 24.
Mayer China Company, assignee: *See*—
Gougler, Marcelline.
Sebold, Mary.
Maytag Company, The, assignee: *See*—
Carrière, Laurier.
McDonald, Eugene F., Jr., Chicago, Ill. Device for releasing snagged fishing lures or baits. 148,809, Feb. 24.
McDowell, Marshall T., Eatontown, assignor to The Korkmaster Company, Red Bank, N. J. Cork screw. 148,810, Feb. 24.
Medgyes, Ladislav, assignor to Gourielli Inc., New York, N. Y. Combined lipstick and vanity case. 148,812, Feb. 24.
Naiden, Anthony, Southwick, Mass., assignor, by mesne assignments, to The Coca-Cola Company, Wilmington, Del. Waste receptacle. 148,813, Feb. 24.
Na Mac Products Corp., assignee: *See*—
Davis, John E.
National Desk Company, Inc., assignee: *See*—
Spence, Edmond J.
Nemzer, Roy: *See*—
Goldman, Robert, and Nemzer.
Nevell, Thomas G. W., Riverside, Conn., assignor to The FR Corporation, New York, N. Y. Photographic film developing tank, or similar article. 148,814, Feb. 24.
Nulty, William B., assignee, trustee, et al.: *See*—
Shepard, Ernest L.
Olewin, Adolph, Brooklyn, N. Y. Combined compact and lipstick holder. 148,815, Feb. 24.
Panogear Industries, assignee: *See*—
Fishter, Jacob F.
Pernstein, Henry L., Washington, D. C. Magnifier. 148,816, Feb. 24.
Polaroid Corporation, assignee: *See*—
Baratelli, Charles A.
Poore, Edward P., and J. O. Wagner, Sandusky, Ohio. Lamp. 148,817, Feb. 24.
Powell, Herman, assignee: *See*—
Lorenz, Henry T.
Radebaugh, John F., Springfield, Mass. Radio cabinet or similar article. 148,818, Feb. 24.
Railley Corporation, assignee: *See*—
Bookman, Charles F., Jr., and Jamme.
Reis, Louis, Cincinnati, Ohio. Cigarette holder. 148,819, Feb. 24.
Republic Molding Corporation, assignee: *See*—
Coltman, Bertram W.
Revere Copper and Brass Incorporated, assignee: *See*—
Welden, William A.
Ritter Company, Inc., assignee: *See*—
Wester, Edwin J.
Rockwell Manufacturing Company, assignee: *See*—
Stevens, Clifford B.
Schutes, Gerhard R., Saginaw, Mich., assignor to Spartan Aircraft Company, Tulsa, Okla. Trailer. 148,820, Feb. 24.
Sears, Roebuck and Co., assignee: *See*—
Green, Warren B.
Sebel, Harry, London, England. Wheeled toy animal. 148,821, Feb. 24.
Sebold, Mary, New York, N. Y., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 148,822, Feb. 24.
Sebold, Mary, New York, N. Y., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 148,823, Feb. 24.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pack for glass tumblers or like fragile articles. 148,824, Feb. 24.
Snider, Arthur M., Waterloo, Ontario, Canada. Waste receptacle. 148,825, Feb. 24.
Sparks-Withington Company, The, assignee: *See*—
Tjaarda, John.
Spartan Aircraft Company, assignee: *See*—
Schutes, Gerhard R.
Spence, Edmond J., Montclair, N. J., assignor to National Desk Company, Inc., Herkimer, N. Y. Cabinet. 148,826, Feb. 24.
Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Drill press. 148,827, Feb. 24.
Tjaarda, John, Detroit, assignor to The Sparks-Withington Company, Jackson, Mich. Portable automatic ironer. 148,828, Feb. 24.

Trout, Evelyn: *See*—
Lewis, Florence K., and Trout.
Turner, John L., Old Saybrook, Conn. Snow sled or the like. 148,829, Feb. 24.
Ubaldi, Mario C., Chicago, Ill., assignor to Excel Movie Products, Inc. Motion picture projector. 148,830, Feb. 24.
Wagner, Carl J., Detroit, Mich. Combination louvre and drip molding. 148,831, Feb. 24.
Walker, Robert A., Pacific Palisades, assignor to H. F. Gowen, Balboa Island, Calif. Automobile. 148,832, Feb. 24.
Welden, William A., Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Pressure cooker. 148,833, Feb. 24.
Wester, Edwin J., assignor to Ritter Company, Inc., Rochester, N. Y. Dental cuspidor unit. 148,834, Feb. 24.
Whitehouse Products, Inc., assignee: *See*—
Lawson, William L.
Winslow, Samuel J., Providence, R. I. Round-the-neck mirror. 148,835, Feb. 24.
Yantis, William A., assignor to Chase Candy Company, St. Joseph, Mo. Showcase. 148,767, Feb. 24.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Elbert V., assignor to Electric Time Recording Register Company, San Francisco, Calif. Time recording device. 2,436,539, Feb. 24.
Adams, Leon M.: See—
Gerhart, Howard L., and Adams.
Adams, Richard T.: See—
Liefers, William R., and Adams.
Adsorptive Process Company, assignee: See—
Smith, Arthur D.
Agriculture, United States of America, as represented by the Secretary of: See—
Lindquist, Arthur W., Husman, and Schroeder.
Rose, William G.
Akin, Otha A.: See—
Jones, Graves M., and Akin.
Alexander, Albert M., Havre de Grace, Md. Automatic firearm feed mechanism. 2,436,370, Feb. 24.
Allen, Mannie, Brooklyn, N. Y. Waterproof mail bag cover with protected opening. 2,436,369, Feb. 24.
Allenby, William F., Stratford, assignor to Casco Products Corporation, Bridgeport, Conn. Hand-held power tool. 2,436,540, Feb. 24.
Aller, Willis F.: See—
Polk, Louis F., and Aller.
Allied Chemical & Dye Corporation, assignee: See—
Mueller, Max B.
Allmänna Svenska Elektriska Aktiebolaget, assignee: See—
Armeno, Helge.
Altenburg, Wilford, San Francisco, Calif. Spring wind-ing device. 2,436,707, Feb. 24.
American Can Company, assignee: See—
Thornburgh, Ivan D.
American Cyanamid Company, assignee: See—
Booth, Robert B., and Morash.
Lecher, Hans Z., Parker, and Hofmann.
American Electrical Heater Company, assignee: See—
Kuhn, Frank, and Thomas.
American Machine and Metals, Inc., assignee: See—
De Moss, Albert H.
Kent, Carleton V.
American MonoRail Company, The, assignee: See—
Moore, Ralph T.
American Steel and Wire Company of New Jersey, The, assignee: See—
Symmes, Daniel D.
American Type Founders, Incorporated, assignee: See—
Seybold, Frederick W.
American Viscose Corporation, assignee: See—
McDermott, Henry J.
Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine needle and making same. 2,436,371, Feb. 24.
Anderson, Ralph P., Cleveland, Ohio, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for alternat-ing-current motors. 2,436,413, Feb. 24.
Anderson, Robert L., Youngstown, Ohio. Weeder. 2,436,500, Feb. 24.
Annis, Andrew J., Baltimore, Md. Toy balloon. 2,436,684, Feb. 24.
Armeno, Helge, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Rotor for asynchro-nous machines. 2,436,414, Feb. 24.
Arnold, Edwin, Elizabeth, N. J., assignor to Western Elec-tric Company, Incorporated, New York, N. Y. Elec-trical testing apparatus. 2,436,415, Feb. 24.
Atlantic Pipe Line Company, assignee: See—
Wood, Joseph H., Jr.
Avery, Clarence L., assignor to Woodward Governor Com-pany, Rockford, Ill. Turbine gate latch mechanism. 2,436,372, Feb. 24.
BMC Manufacturing Corporation, assignee: See—
Snell, Francis A.
Babcock, Edward, assignee: See—
Fairbanks, Glen.
Babcock & Wilcox Company, The, assignee: See—
Hardgrove, Ralph M.
Harter, Isaac, Wilson, and Hugu.
Sherban, Daniel V.
Baier, Ludwig S., Milwaukee, Oreg. Bottle carrier. 2,436,501, Feb. 24.
Bailey Meter Company, assignee: See—
Barnes, Frederick A.
Ball, Richard N.: See—
Van Dellen, Edward, and Ball.

Baltzly, Richard, New York, and E. Lorz, Yonkers, as-signors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Substituted piperazines. 2,436,685, Feb. 24.
Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Machine tool control. 2,436,373, Feb. 24.
Barnes, James F., trustee, assignee: See—
Nyberg, Curt E.
Barnett, Ben G., assignee: See—
Westmoreland, Bascom B.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Brake beam support. 2,436,738, Feb. 24.
Baseler, Emery E., Hollywood, Calif. Mechanical chip-ping tool. 2,436,541, Feb. 24.
Beacham, Thomas E., London, England. Control gear for hydraulic pumps. 2,436,544, Feb. 24.
Behrens, Walter A., New York, N. Y. Hook and knife unit for chenille machines. 2,436,545, Feb. 24.
Bell Telephone Laboratories, Incorporated, assignee: See—
Bown, Ralph.
Briggs, Howard B., Johnson, and Mason.
Cutler, Cassius C.
Fletcher, Harvey, Müller, and Swartzel.
Maggio, John B.
Manley, Jack M., and Peterson.
Morton, Jack A.
Potter, Ralph K.
Bennett, Nicholas: See—
Hawkins, Peter A., and Bennett.
Binenkorb, Marion C., Middletown, N. Y. Convertible studio bed and couch. 2,436,546, Feb. 24.
Birdsall, Robert E., Detroit, Mich. Combined hatch cover lock and headrest. 2,436,374, Feb. 24.
Black, Russell A., Los Angeles, Calif. Pipe juncture marking device. 2,436,542, Feb. 24.
Blackburn Aircraft Limited, assignee: See—
Greenwood, George.
Blaski, John F., Chicago, Ill. Roof construction. 2,436,543, Feb. 24.
Blitz, Daniel, Princeton, N. J., assignor to Radio Corpora-tion of America. Dually frequency modulated altimeter. 2,436,627, Feb. 24.
Bludworth, Joseph E., Corpus Christi, Tex., and D. P. Easter, Washington, D. C., assignors to Celanese Cor-poration of America. A-tetrahydrobenzaldol. 2,436,416, Feb. 24.
Boccheri, John A., Brooklyn, N. Y. Child's bib. 2,436,547, Feb. 24.
Bogen, John F., San Diego, Calif. Inclometer. 2,436,417, Feb. 24.
Bonnet, Louis, Villasavary, and M. Marty, Neuilly-sur-Seine, France. Ceramic mixtures. 2,436,708, Feb. 24.
Booth, Herbert L., Staten Island, N. Y. Hair comb. 2,436,548, Feb. 24.
Booth, Robert B., Springdale, and N. Morash, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Clarifier for lubricating coolants by means of froth flotation. 2,436,375, Feb. 24.
Borg-Warner Corporation, assignee: See—
Zeldler, Reinhold C.
Borys, Chester A., assignee: See—
Swiech, Walter.
Bown, Ralph, Maplewood, N. J., assignor to Bell Tele-phone Laboratories, Incorporated, New York, N. Y. System for transmitting intelligence. 2,436,376, Feb. 24.
Boyer, Hugh N., near Canfield, Ohio. Traction device. 2,436,549, Feb. 24.
Boynton, Earl S.: See—
O'Brien, Joseph F., and Boynton.
Bozenhard, Charles C. and C. C., Yonkers, N. Y. Tire chain. 2,436,709, Feb. 24.
Bozenhard, Cushing C.: See—
Bozenhard, Charles C. and C. C.
Bradford, Arthur J., Chicago, Ill., assignor, by mesne assignments, to Motion Picture Engineering Corpora-tion. Winding mechanism. 2,436,418, Feb. 24.
Bralley, James A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of vinyl chloride. 2,436,710, Feb. 24.
Bralley, James A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of vinyl chloride. 2,436,711, Feb. 24.
Branchflower, Lyle E.: See—
Lincoln, John H., and Branchflower.

LIST OF PATENTEEES

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Brandon, Richard C., Elizabeth, N. J., assignor to Stand-ard Oil Development Company. Desulfurization of tri-isobutylene. 2,436,550, Feb. 24.
Bratschi, Ernest, assignor to L. B. Fabrication De Serrures De Surete S. A., Geneva, Switzerland. Safety lock. 2,436,628, Feb. 24.
Bremann, Frank J.: See—
Davidson, William W., Trydal, and Bremann.
Bridgeport Casket Hardware Company, assignee: See—
Pastor, John, and Standish.
Briggs, Howard B., Chatham, J. B. Johnson, Maplewood, and W. P. Mason, West Orange, N. J., assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Ultrasonic compressional wave transmission. 2,436,377, Feb. 24.
Briggs Manufacturing Company, assignee: See—
Platz, Henry T.
Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Pattern mechanism for knitting machines. 2,436,468, Feb. 24.
Britton, Edgar C., Midland, Mich., and J. E. Livak, Clemons, S. C., assignors to The Dow Chemical Com-pany, Midland, Mich. Making 3,6-bis-(beta-hydroxy-ethyl)-2,5-diketopiperazine. 2,436,739, Feb. 24.
Brooks, Thomas E., assignor to Lisle Corporation, Clarinda, Iowa. Filter magnet structure. 2,436,740, Feb. 24.
Brown Instrument Company, The, assignee: See—
Jones, Harry S.
Budd Company, The, assignee: See—
Tarbox, John P.
Buell, Charles K., and C. F. Weinaug, Borger, Tex., as-signors to Phillips Petroleum Company. Furfural re-covery. 2,436,502, Feb. 24.
Burrell, George G., and A. L. Hulshizer, assignors to Seal-tight Corporation, Cedar Rapids, Iowa. Moisture shield for spark plugs. 2,436,712, Feb. 24.
Burroughs Wellcome & Co. (USA) Inc., assignee: See—
Baltzly, Richard, and Lorz.
Bussey, William H., Chicago, Ill., assignor, by mesne as-signments, to R. L. Kahn, trustee. Vacuum tube volt-meter. 2,436,741, Feb. 24.
Bussey, William H., Chicago, Ill., assignor, by mesne as-signments, to R. L. Kahn, trustee. Line cord trans-former. 2,436,742, Feb. 24.
C. A. V. Limited, assignee: See—
Curzon, Thomas.
California Institute Research Foundation, assignee: See—
Gould, Clark W., Jr.
California Magnet Company, assignee: See—
Wing, Lewis O., Sr.
Carborundum Company, The, assignee: See—
Rowe, Robert G.
Carlson, John A., Omaha, Nebr.; dedicated to the Free Use of the People in the Territory of the United States. Hog jaw puller. 2,436,620, Feb. 24.
Carlson, Andrew H., assignor to Parker Manufacturing Company, Worcester, Mass. Saw frame. 2,436,743, Feb. 24.
Carter Carburetor Corporation, assignee: See—
Walther, Paul H.
Cartwright, Horace A., Gallon, Ohio. Automatic valve-actuating mechanism. 2,436,419, Feb. 24.
Casco Products Corporation, assignee: See—
Allenby, William F.
Johnson, Arthur A.
Celanese Corporation of America, assignee: See—
Bludworth, Joseph E., and Easter.
Chapman, Harold P., assignee: See—
Mangold, Eli F.
Chelton, Frederick P., Baltimore, Md. Ventilating louvers for storm windows. 2,436,551, Feb. 24.
Chenoweth, Irving S., Eureka, Ill. Fuze. 2,436,378, Feb. 24.
Chinn, George I., Detroit, Mich. Backlash take-up for gun elevating mechanism. 2,436,379, Feb. 24.
Chouinard, Lawrence A., Indian Orchard, Mass. Phono-graph record album. 2,436,744, Feb. 24.
Chrysler Corporation, assignee: See—
Iavelli, Teno, and Matulaitis.
Claesson, Per H. E.: See—
Fredholm, Johan O. H., and Claesson.
Clayton, Erith T., Baltimore, Md. Coating ferrous metal articles with corrosion-resistant plastic. 2,436,420, Feb. 24.
Clegg, Andrew J., Santa Rosa, Calif. Sediment trap for streams. 2,436,630, Feb. 24.
Cleveland Crane & Engineering Company, The, assignee: See—
Wehr, William G.
Cleveland, James Y., Scarsdale, assignor to Socony-Vac-uum Oil Company, Incorporated, New York, N. Y. De-layed well logging. 2,436,503, Feb. 24.
Cleveland Trust Company, The, executor, assignee: See—
Deibel, Cyril P., Mertes, and Gray.
Cody, Clifford S., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air condi-tioning apparatus having mounting for motion relative to a window. 2,436,713, Feb. 24.
Coffey, Daniel J., Bronx, N. Y. Brick cutting tool. 2,436,686, Feb. 24.

Cohn, Benjamin D., Pennside, Pa. Combined grave marker and flower holder. 2,436,631, Feb. 24.
Colonial Radio Corporation, assignee: See—
Packard, Alden.
Comiskey, Frederick K.: See—
Hammell, Kemper M., and Comiskey.
Commercial Solvents Corporation, assignee: See—
Senkus, Murray.
Container Corporation of America, assignee: See—
Couth, Robert D., Potter, and Throckmorton.
Continental Oil Company, assignee: See—
Liddell, James W., and Shannon.
Cook Electric Company, assignee: See—
Hasselhorn, Walter C.
Cooper, Earl H., Chicago, Ill. Insulated flexible support for thermally conditioned tools. 2,436,552, Feb. 24.
Copelin, Harry B., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of furan. 2,436,764, Feb. 24.
Corbett, Robert L., Lakewood, Ohio. Club head retaining means for golf club bags. 2,436,687, Feb. 24.
Corbett, Robert L., Lakewood, Ohio. Assembly features of golf club bags. 2,436,688, Feb. 24.
Cork, Edward C., Ealing, London, assignor to Electric & Musical Industries, Limited, Hayes, Middlesex, England. Flexible wave give for ultra high frequency energy. 2,436,421, Feb. 24.
Couch, Robert D., and E. C. Potter, Chicago, and E. A. Throckmorton, Dundee; said Potter and said Throck-morton assignors to Container Corporation of America, Chicago, Ill. Dispensing carton. 2,436,553, Feb. 24.
Cowgill, Elspeth H., assignee, et al.: See—
Hill, Irving, and Nelson.
Crane, Laurence H., Camden, Maine. Replaceable porce-lain twister head. 2,436,632, Feb. 24.
Crawford, Francis W.: See—
Flatford, William R., and Crawford.
Cruckshank, James H., New York, N. Y. Pallet. 2,436,554, Feb. 24.
Cullman, Otto: See—
Hornbrook, Lester H., Jr., Wienke, and Cullman.
Cullman Wheel Company, assignee: See—
Hornbrook, Lester H., Jr., Wienke, and Cullman.
Curtiss-Wright Corporation, assignee: See—
Sheets, Jack H.
Curzon, Thomas, Acton, assignor to C. A. V. Limited, Lon-don, England. Thermostatic switch for controlling elec-tric circuits. 2,436,633, Feb. 24.
Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Tele-phone Laboratories, Incorporated, New York, N. Y. Rapid sweep radiating system. 2,436,380, Feb. 24.
Cutler-Hammer, Inc., assignee: See—
Anderson, Ralph P.
Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Load ring for V-belts. 2,436,381, Feb. 24.
Daniell, Warren F., assignor to Great Northern Paper Company, Millinocket, Maine. Log debarking apparatus. 2,436,555, Feb. 24.
Darbyshire, Richard W., Trenton, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Precipitation of basic calcium hypochlorite. 2,436,745, Feb. 24.
Dashman, Francis, New York, N. Y. Trout reel. 2,436,422, Feb. 24.
Daugherty, George W., Orlando, Fla. Hitch. 2,436,556, Feb. 24.
Davidson Manufacturing Corporation, assignee: See—
Davidson, William W., Trydal, and Bremann.
Davidson, William W., Evanston, and N. Trydal and F. J. Bremann, Chicago, Ill., assignors to Davidson Manu-facturing Corporation. Gripper mechanism for printing presses. 2,436,765, Feb. 24.
Davis, Charles, Los Angeles, Calif. Clogged drain flushing device. 2,436,634, Feb. 24.
Davis, Edward R., and H. W. Doughty, Jr., assignors to Foster Machine Company, Westfield, Mass. Yarn wind-ing machine. 2,436,557, Feb. 24.
Davis, Walter M., Jamaica Plain, Mass., assignor to Mon-santo Chemical Company, St. Louis, Mo. Making pellets. 2,436,766, Feb. 24.
Davison Chemical Corporation, The, assignee: See—
Reynolds, Howard H.
De Bishop, Arthur, Jr., Southington, assignor to The Doane Products Corporation, Meriden, Conn. Luminaires. 2,436,635, Feb. 24.
Deere Manufacturing Co., assignee: See—
Jones, Frank D., and Tuft.
Deibel, Cyril P., deceased, Lakewood, C. N. Mertes, Berea, and L. A. Gray, Lakewood, Ohio; said Mertes and said Gray assignors to said Deibel; M. T. Deibel and The Cleveland Trust Company, executors, assignors to Gen-eral Dry Batteries, Inc. Dry cell battery of the flat type. 2,436,382, Feb. 24.
Deibel, Marion T., executor, assignee: See—
Deibel, Cyril P., Mertes, and Gray.
De Laval Separator Company, The, assignee: See—
Strezynski, George J.
De Luce, John J., Minneapolis, Minn. Egg holder. 2,436,469, Feb. 24.
De Moss, Albert H., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Program controller. 2,436,714, Feb. 24.

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D'Entremont, Franklin R., Lynn, Mass., assignor to General Electric Company. Instrument current transformer. 2,436,636, Feb. 24.
 Detroit Engineering Laboratories, Inc., assignee: See—
 Du Brie, Stanley R.
 Dettman, Harold V., Chicago, Ill. Method and apparatus for bending sheet material. 2,436,383, Feb. 24.
 Dewey and Almy Chemical Company, assignee: See—
 Ross, William C., and Nolley.
 Distillation Products, Inc., assignee: See—
 Hickman, Kenneth C. D.
 Doane Products Corporation, The, assignee: See—
 De Bishop, Arthur, Jr.
 Dole Refrigerating Company, assignee: See—
 Kleist, Herman W.
 Dolmarch, Aaron, Newark, N. J. Blood specimen container and cooperating withdrawing means. 2,436,638, Feb. 24.
 Doughty, Howard W., Jr.: See—
 Davis, Edward R., and Doughty.
 Doughty, Howard W., Jr., assignor to Foster Machine Company, Westfield, Mass. Yarn winding mechanism. 2,436,559, Feb. 24.
 Dow Chemical Company, The, assignee: See—
 Britton, Edgar C., and Livak.
 Nutting, Howard S., and Sexton.
 Pletcher, Donald E., and Nutting.
 Dowd, Frank, Belleville, and W. J. Keller, Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,436,423, Feb. 24.
 Downie, Emerson G., Fort Wayne, Ind., assignor to General Electric Company. Electronic counter device. 2,436,637, Feb. 24.
 Drought, Charles W., Berwyn, Ill. Selective gear reduction units. 2,436,746, Feb. 24.
 Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Switch construction. 2,436,689, Feb. 24.
 Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Windrotor. 2,436,747, Feb. 24.
 Dunklee, Allen D., Bowesmont, N. Dak. Log sawing attachment for tractors. 2,436,504, Feb. 24.
 Du Pont, E. I., de Nemours & Company, assignee: See—
 Copelin, Harry B.
 Jebens, Walter J.
 Klabunde, Walter.
 McQuaid, Howard S.
 Noakes, Henry F., and Martyn.
 Du Ball, John H., Mounds, Ill. Pill douser. 2,436,505, Feb. 24.
 Du Rose, Arthur H., Euclid, assignor to The Harshaw Chemical Company, Elyria, Ohio. Acid chloride-fluoride bath for nickel plating. 2,436,690, Feb. 24.
 Easter, Donald P.: See—
 Bludworth, Joseph E., and Easter.
 Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid-pressure-operated mechanism. 2,436,424, Feb. 24.
 Edson, Kenneth C., Los Angeles, Calif., and F. E. Fisher, Pawhuska, assignors to Skelly Oil Company, Tulsa, Okla. Producing catalysts containing barium peroxide. 2,436,558, Feb. 24.
 Edwards, Charles R., deceased, Houston, Tex.: F. R. Edwards, executrix. Fishing tool. 2,436,506, Feb. 24.
 Edwards, Robertha, executrix: See—
 Edwards, Charles R.
 Elsenberg, Philip: See—
 Stille, Robert, and Elsenberg.
 Electric & Musical Industries Limited, assignee: See—
 Cork, Edward C.
 Electric Time Recording Register Company, assignee: See—
 Abbott, Elbert V.
 Ellwood, Frances E., Manhattan Beach, Calif. Hand shield for cooking utensils. 2,436,507, Feb. 24.
 Eureka Williams Corporation, assignee: See—
 Hammell, Kemper M., and Comiskey.
 Everline, George, Hagerstown, Md. Antiskid tire chain. 2,436,715, Feb. 24.
 Ex-Cell-O Corporation, assignee: See—
 Snader, Ira J.
 Eyre, Donald: See—
 Griffith, Alan A., and Eyre.
 Fairbanks, Glen, assignor of one-half to E. Babcock, Twin Falls, Idaho. Machine mounted hood device for protecting attendants from dust. 2,436,508, Feb. 24.
 Fansteel Metallurgical Corporation, assignee: See—
 Hunter, Frederick L.
 Fansol, John, Chicago, Ill. Light switch control. 2,436,748, Feb. 24.
 Farnsworth Research Corporation, assignee: See—
 Larson, Christian C., and Hallmark.
 Pressley, Jackson H.
 Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Alternating current telemetering transmitter. 2,436,639, Feb. 24.
 Faust, Charles L.: See—
 Pray, Henry A., Faust, and Jelen.
 Faust, Charles L., Columbus, Ohio, assignor, by mesne assignments, to Reconstruction Finance Corporation. Obtaining granular alumina. 2,436,509, Feb. 24.

Feather, David C., Portland, Oreg., assignor of one-half to Mechanical Research Company. Coacting cutting blades for scissors, shears, and the like. 2,436,560, Feb. 24.
 Ferguson, Herbert N., Fontana, Calif. Tree pulling apparatus. 2,436,510, Feb. 24.
 Ferro Engineering Company, The, assignee: See—
 Whittle, William S.
 Field, Donald C.: See—
 Sparks, William J., Kellog, and Field.
 Fikany, James A., Carbondale, Pa. Insertable and detachable arch-supporting unit for footwear. 2,436,716, Feb. 24.
 Floretta, Alexander V., West Los Angeles, Calif. High pressure four-way valve. 2,436,425, Feb. 24.
 Fish, Mortimer W., assignor to General Motors Corporation, Dayton, Ohio. Refrigeration apparatus including a direct-current compressor motor and an alternating-current agitator motor. 2,436,426, Feb. 24.
 Fisher, Frank E.: See—
 Edson, Kenneth C., and Fisher.
 Flatford, William R., and F. W. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company. Radiation absorption cell for optical testing apparatus. 2,436,511, Feb. 24.
 Fleming, George L., New York, N. Y. Electric burglar alarm system. 2,436,470, Feb. 24.
 Fletcher, Harvey, Summit, J. F. Müller, Montclair, and K. D. Swartzel, Jr., Teaneck, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording device. 2,436,384, Feb. 24.
 Flygar, Carl G., Worcester, E. D. La Fleur, Lancaster, and H. A. Silven, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,436,561, Feb. 24.
 Foster Machine Company, assignee: See—
 Davis, Edward R., and Doughty.
 Doughty, Howard W., Jr.
 Foster, Walter W., Wichita, Falls, Tex. Automatic cat-head. 2,436,717, Feb. 24.
 Franke, Roland C., Mullen, Nebr. Material handling apparatus. 2,436,718, Feb. 24.
 Franklin, William B., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Vapor phase extraction. 2,436,471, Feb. 24.
 Franta, Albert, assignee, et al.: See—
 Roxy, Frank C.
 Fredholm, Johan O. H., Alsten, and P. H. E. Claesson, Jakobsgård, assignors to N. G. Schonander, Stockholm, Sweden. Device for the frequency modulation of the resonant frequency of cavity resonators. 2,436,640, Feb. 24.
 Freitag, Fritz, Zurich, Switzerland. Vegetable and fruit peeler. 2,436,562, Feb. 24.
 Freund, Clarence H., Wilmette, assignor to C. H. and I. Freund, and J. W. and A. L. Walz, copartners doing business as Nu-Art Engraving Company, Chicago, Ill. Printing names on cards. 2,436,691, Feb. 24.
 Freund, Irene, assignee, et al.: See—
 Freund, Clarence H.
 Frosch, Alex., Houston, Tex., assignor to Standard Oil Development Company. Well logging. 2,436,563, Feb. 24.
 Galandak, John, and E. A. Kamp, Chicago, Ill., assignors to Graver Tank & Mfg. Co., Inc. Liquid treatment tank with concentric compartments and with conduits below an inner bottom portion. 2,436,749, Feb. 24.
 Garrett Corporation, Aircsearch Manufacturing Company Division, The, assignee: See—
 Hostetter, Robert J.
 General Dry Batteries, Inc., assignee: See—
 Deibel, Cyril P., Mertes, and Gray.
 General Electric Company, assignee: See—
 D'Entremont, Franklin R.
 Downie, Emerson G.
 Faus, Harold T.
 Linville, Thomas M.
 Locke, Raymond C.
 Norgaard, Donald E.
 Paul, William E.
 Weeks, Walter R.
 General Foods Corporation, assignee: See—
 Luke, Charles E.
 General Motors Corporation, assignee: See—
 Fish, Mortimer W.
 Gerbes, Otto, Goose Creek, Tex., assignor to Standard Oil Development Company. Pretreatment of reaction zone containing iron oxide. 2,436,564, Feb. 24.
 Gerhart, Howard L., Milwaukee, Wis., and L. M. Adams, Corpus Christi, Tex., assignors to Pittsburgh Plate Glass Company. Preparation of an alkyd type resin. 2,436,641, Feb. 24.
 Gerlicher, Robert A., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Low-temperature polymer production. 2,436,767, Feb. 24.
 Gilas, Anthony D., Brooklyn, N. Y. Stapling machine. 2,436,473, Feb. 24.
 Gillett, Donald B., Wooster, Tex., assignor to Standard Oil Development Company. Lubricating oil. 2,436,565, Feb. 24.
 Gillette, John C., Washington, D. C., and B. H. Tabb, Jr., Arlington, Va. Delay fuse. 2,436,385, Feb. 24.

LIST OF PATENTEES

Ginzton, Edward L., Wantagh, N. Y., assignor to The Sperry Corporation. Impedance transformer. 2,436,427, Feb. 24.
 Gleason, Anthony H.: See—
 Read, Chester L., and Gleason.
 Globe American Corporation, assignee: See—
 Tolley, Donald B.
 Goldberg, Benjamin D., Brooklyn, N. Y. Safety vent for pressure cookers. 2,436,566, Feb. 24.
 Goodrich, B. F., Company, The, assignee: See—
 Braley, James A.
 Triff, Forest G., and Miller.
 Goodyear Aircraft Corporation, assignee: See—
 Pearson, Thomas V., and Lahood.
 Gossard, Waldo D., Eureka, Calif., assignor to the United States of America, as represented by the Secretary of War. Calculator. 2,436,386, Feb. 24.
 Gould, Clark W., Jr., assignor to California Institute Research Foundation, Pasadena, Calif. Microrefractometer for liquids. 2,436,567, Feb. 24.
 Graham, John S.: See—
 White, Nelson J., and Graham.
 Graver Tank & Mfg. Co., Inc., assignee: See—
 Galandak, John, and Kamp.
 Gray, Gordon E., Western Springs, assignor to Grayhill, Chicago, Ill. Rotary selector switch. 2,436,750, Feb. 24.
 Gray, Lewis A.: See—
 Deibel, Cyril P., Mertes, and Gray.
 Grayhill, assignee: See—
 Gray, Gordon E.
 Great Northern Paper Company, assignee: See—
 Danell, Warren F.
 Greene, Harry R., South Bend, Ind. Tool operating attachment. 2,436,692, Feb. 24.
 Greenwood, George, Leeds, assignor to Blackburn Aircraft Limited, Brough, England. Reciprocating bender for making successive bends in metal tubes or rods. 2,436,642, Feb. 24.
 Griffin, Lindsay I., Baton Rouge, La., and C. E. Jahnig, Roselle, N. J., assignors to Standard Oil Development Company. Hydrocarbon synthesis. 2,436,568, Feb. 24.
 Griffith, Alan A., and D. Eyre, assignors to Rolls-Royce Limited, Derby, England. Bearing. 2,436,768, Feb. 24.
 Haddock, Norman H., and C. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quaternary ammonium salts of dibenzthiazyl azo benzenes. 2,436,428, Feb. 24.
 Hafner, Ernst, Zurich, Switzerland. Perambulator. 2,436,643, Feb. 24.
 Hallmark, Clyde E.: See—
 Larson, Christian C., and Hallmark.
 Halstead, Philip E., Hammersmith, London, England, assignor to West Road Co., Limited. Sparking plug. 2,436,644, Feb. 24.
 Halter, Ellen F., Philadelphia, Pa. Tabernacle safe having a revoluble inner casing. 2,436,569, Feb. 24.
 Hammell, Kemper M., and F. K. Comiskey, Detroit, Mich., assignors to Eureka Williams Corporation. Discharger. 2,436,751, Feb. 24.
 Hancock, William T., Long Beach, Calif. Suppression of detonation in engines. 2,436,570, Feb. 24.
 Hanna, Ralph: See—
 Turin, John J., and Hanna.
 Hanners, Harvey W., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Fuel injection nozzle testing device for Diesel engines. 2,436,429, Feb. 24.
 Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Air swept pulverizer for use in closed-circuit pulverized material transport systems. 2,436,488, Feb. 24.
 Hardie, James H., assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Door latching mechanism. 2,436,769, Feb. 24.
 Harshaw Chemical Company, The, assignee: See—
 Du Rose, Arthur.
 Hart, Gladys M., Portland, Oreg. Two-purpose body garment. 2,436,430, Feb. 24.
 Harter, Isaac, and E. F. Wilson, Akron, and E. C. Hoge, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Multiple electrode arc welding. 2,436,387, Feb. 24.
 Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Telephone terminal. 2,436,431, Feb. 24.
 Hawkins, Peter A., Widnes, and N. Bennett, Ditton, England, assignors to Imperial Chemical Industries Limited. Production of pyran derivatives. 2,436,645, Feb. 24.
 Heffner, Harvey W., assignee: See—
 La Rose, William J.
 Heinrich, Raymond L., Baytown, Tex., assignor to Standard Oil Development Company. Polymerization of olefins. 2,436,571, Feb. 24.
 Henne, Isabelle, Brooklyn, N. Y. Combined bag latch and coin holder. 2,436,646, Feb. 24.
 Henschker, Erhard, Parkstone, assignor to The Loewy Engineering Company Limited, London, England. Metal cutting flying shear. 2,436,572, Feb. 24.
 Hess, Adele, administratrix: See—
 Korn, Arthur, Hess, and Ruskin.
 Hess, Joseph W.: See—
 Korn, Arthur, Hess, and Ruskin.

Heynes, William M., Coventry, England. Suspension unit, particularly for motor vehicles. 2,436,573, Feb. 24.
 Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum dehydration process including evolved vapor condensation. 2,436,693, Feb. 24.
 Hill, Irving, and W. Nelson, Lawrence, Kans., assignors of one-third to M. H. Rayndal, Washington, D. C., one-third to E. H. Cowgill, Louisville, Ky., and one-third to J. D. Hill, Lawrence, Kans. Garden and apparatus for separating the soils and plants therein. 2,436,770, Feb. 24.
 Hill, Justin D., assignee, et al.: See—
 Hill, Irving, and Nelson.
 Hofmann, Corris M.: See—
 Lecher, Hans Z., Parker, and Hofmann.
 Hollander, Irving, New York, N. Y. Umbrella tip and mounting holder therefor. 2,436,474, Feb. 24.
 Hollywood, John M., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Pulse frequency selective recorder. 2,436,512, Feb. 24.
 Hood, Ralph S., Danvers, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making pellets. 2,436,771, Feb. 24.
 Hornbrook, Lester H., Jr., N. B. Wienke, and O. Cullman, assignors to Cullman Wheel Company, Chicago, Ill. Detachable sprocket wheel. 2,436,694, Feb. 24.
 Hostetter, Robert J., Los Angeles, assignor to The Garrett Corporation, Aircsearch Manufacturing Company Division, Inglewood, Calif. Lubricating system for internal combustion engines. 2,436,513, Feb. 24.
 Huey, Virginia M., Cleveland, Ohio. Laundry cart. 2,436,647, Feb. 24.
 Hugu, Ernest C.: See—
 Harter, Isaac, Wilson, and Hugu.
 Hughes Tool Company, assignee: See—
 Slate, Claude C.
 Hulshizer, Arthur L.: See—
 Burrell, George G., and Hulshizer.
 Hunter, Frederick L., Lake Bluff, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Making hydrochloric acid. 2,436,432, Feb. 24.
 Hurxthal, Alpheus O., Wyncote, assignor to Procter & Schwartz, Inc., Philadelphia, Pa. Expanding sleeve for hoop drier girls. 2,436,719, Feb. 24.
 Husman, Chester N.: See—
 Lindquist, Arthur W., Husman, and Schroeder.
 Hydraulic Control Engineering Company, assignee: See—
 Stephens, William T.
 Iavelli, Teno, Detroit, and V. E. Matulaitis, assignors to Chrysler Corporation, Highland Park, Mich. Servomotor. 2,436,388, Feb. 24.
 Imperial Chemical Industries Limited, assignee: See—
 Haddock, Norman H., and Wood.
 Hawkins, Peter A., and Bennett.
 Knight, Arthur H., and Stephen.
 Isom, Walter L., Crows Landing, Calif. Catcher for fruit and nut gatherers. 2,436,648, Feb. 24.
 Jahnig, Charles E.: See—
 Griffin, Lindsay I., and Jahnig.
 Jasco, Incorporated, assignee: See—
 Gerlicher, Robert A.
 Jebens, Walter J., Plainfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating polyvinyl alcohol film. 2,436,433, Feb. 24.
 Jefferson Electric Company, assignee: See—
 Rickmeyer, Ernst W.
 Jelen, Frederic C.: See—
 Pray, Henry A., Faust, and Jelen.
 Jennings, Gerald P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Mechanical seal for centrifugal pumps. 2,436,514, Feb. 24.
 Johanson, Sten: See—
 Kende, George, and Johanson.
 Johanson, Sten, assignor to Universal Camera Corporation, New York, N. Y. Binocular mount. 2,436,574, Feb. 24.
 Johnson, Almon A., Forest Hills, N. Y. Winch for towing and the like. 2,436,752, Feb. 24.
 Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Automatic toaster. 2,436,575, Feb. 24.
 Johnson, John B.: See—
 Briggs, Howard B., Johnson, and Mason.
 Jones, Frank D., and M. H. Tuft, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Side delivery rake. 2,436,475, Feb. 24.
 Jones, Graves M., Beaumont, Tex., and O. A. Akin, New Orleans, La. System for visual code signaling. 2,436,515, Feb. 24.
 Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,436,720, Feb. 24.
 Josephs, Abraham I., New York, N. Y. Interchangeable hat construction. 2,436,434, Feb. 24.
 Kahn, Robert L., assignee, trustee: See—
 Bussey, William H.
 Kamp, Ewald A.: See—
 Galandak, John, and Kamp.

Kane, Irwin M., Brooklyn, assignor of one-half to C. H. Strange, White Plains, N. Y. Electron tube of the toroidal type. 2,436,649, Feb. 24.

Keller, William J.: See—
Dowd, Frank, and Keller.

Kellog, Henry B.: See—
Sparks, William J., Kellog, and Field.

Kende, George, Dobbs Ferry, and S. Johanson, assignors to Universal Camera Corporation, New York, N. Y. Mount for binoculars. 2,436,576, Feb. 24.

Kent, Carleton V., East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Hardness penetrator. 2,436,435, Feb. 24.

Killmer, Miles I., assignor to Mason & Hanger Co., Inc., New York, N. Y. Bolt tightening apparatus. 2,436,650, Feb. 24.

Kirby, Alexander J., Detroit, Mich. Dispenser for staples or the like. 2,436,577, Feb. 24.

Klabunde, Walter, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvent for degreasing iron and aluminum. 2,436,772, Feb. 24.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Refrigerating plate and internal reinforcement therefor. 2,436,389, Feb. 24.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Vacuum plate. 2,436,390, Feb. 24.

Knight, Arthur H., and W. E. Stephen, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, Disazo dyestuffs. 2,436,436, Feb. 24.

Koch, August K. F., Detroit, Mich. Pencil with magazine and push type feed. 2,436,437, Feb. 24.

Korn, Arthur, Hoboken, N. J., and J. W. Hess and S. L. Ruskin, New York, N. Y.; A. Hess, administratrix of said J. W. Hess, deceased; E. P. Korn, administratrix of said A. Korn, deceased; assignors to said Ruskin. Altering the reflection of radar waves. 2,436,578, Feb. 24.

Korn, Elizabeth P., administratrix: See—
Korn, Arthur, Hess, and Ruskin.

Krisor, Gilbert H., Evanston, assignor of one-half to D. A. Kuhlman, Chicago, Ill. Regulator for gas-burning heaters for liquids. 2,436,651, Feb. 24.

Kritchman, Morris, New York, N. Y. Pocketbook provided with a perforated front wall pocket for housing a colored insert. 2,436,579, Feb. 24.

Kuhlman, David A., assignee: See—
Krisor, Gilbert H.

Kuhn, Carl S., Jr., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation process. 2,436,695, Feb. 24.

Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Terminal for electrically heated irons. 2,436,753, Feb. 24.

Kulesh, Louis F., Kenosha, Wis. Making a garden tool. 2,436,476, Feb. 24.

Kyner, Julia, Zionsville, Pa. Stop motion for looms, etc. 2,436,438, Feb. 24.

L. B. Fabrication De Serrures De Surete S. A., assignee: See—
Bratschi, Ernest.

La Fleur, Elphege D.: See—
Flygare, Carl G., La Fleur, and Silven.

Lahood, Maynard: See—
Pearson, Thomas V., and Lahood.

Laird, Wilbur G., Pleasantville, N. Y. Movable roof stabilizer. 2,436,580, Feb. 24.

Lambert, Walter, Yakima, Wash. Drawing table. 2,436,773, Feb. 24.

Languiand, William, New Bedford, Mass., assignor to Textile Research Co. Loom protector rod actuating mechanism. 2,436,754, Feb. 24.

Lapell, Edward W., Detroit, Mich. Golf glove. 2,436,755, Feb. 24.

Larkin, William J., Lynnfield, assignor to National Company, Inc., Malden, Mass. Soldering post for electronic equipment. 2,436,756, Feb. 24.

La Rose, William J., North Troy, assignor of one-fourth to H. W. Heffner, Troy, N. Y. Collar. 2,436,696, Feb. 24.

Larson, Christian C., and C. E. Hallmark, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Television relief picture system. 2,436,516, Feb. 24.

Laucks Laboratories, Inc., assignee: See—
Lincoln, John H., and Branchflower.

Laughlin, Kenneth C., Wilmington, Del., and H. J. Ogorzaly, Summit, N. J., assignors to Standard Oil Development Company. Dehydrogenating butane. 2,436,721, Feb. 24.

Lazare, Paul, New York, N. Y. Garment supporter. 2,436,581, Feb. 24.

Lear, Incorporated, assignee: See—
Lear, William P.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Variable-speed control system. 2,436,582, Feb. 24.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Remote-control and indicator system. 2,436,583, Feb. 24.

Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and C. M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Sulfonamides of azoic dyestuffs. 2,436,697, Feb. 24.

Lee, Harley C.: See—
Mahoney, Charles H., Lee, Tarr, and Le Grand.

Lee, Hsiang K., Detroit, Mich. Method for sprouting beans. 2,436,652, Feb. 24.

Le Grand, Pierre E.: See—
Manhone, Charles H., Lee, Tarr, and Le Grand.

Leshner, Ervin, Philadelphia, Pa. Cruise control computer. 2,436,391, Feb. 24.

Leshner, Ervin, Philadelphia, Pa. Plotting board and protractor square. 2,436,392, Feb. 24.

Le Tourneau, R. G., Inc., assignee: See—
Losch, Albert A.

Lewis Invisible Stitch Machine Company, assignee: See—
Mueller, Charles W.

Lewis, Norman M., Olton, Tex. Wave pump. 2,436,517, Feb. 24.

Lewis, Richard C., Chicago, Ill. Clothesline stretching device. 2,436,477, Feb. 24.

Lewis, William H., Altadena, Calif. Packing roller. 2,436,757, Feb. 24.

Liddell, James W., Evanston, and E. F. Shannon, Chicago, Ill., assignors to Continental Oil Company, Ponca City, Okla. Grease dispensing apparatus. 2,436,722, Feb. 24.

Lieffers, William R., and R. T. Adams, Denver, Colo. Hospital bed signal. 2,436,518, Feb. 24.

Limbach, John P., and B. H. Paul, Madison, Wis., dedicated to the free use of the people in the territory of the United States. Device for determining slope of grain in wood veneers. 2,436,653, Feb. 24.

Lincoln, John H., and L. E. Branchflower, assignors to Laucks Laboratories, Inc., Seattle, Wash. Capsulating apparatus. 2,436,439, Feb. 24.

Lindquist, Arthur W., C. N. Husman, and H. O. Schroeder, Orlando, Fla., assignors to United States of America, as represented by the Secretary of Agriculture. Device for producing aerosole. 2,436,478, Feb. 24.

Linville, Thomas M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,436,654, Feb. 24.

Lisle Corporation, assignee: See—
Brooks, Thomas E.

Livak, John E.: See—
Britton, Edgar C., and Livak.

Locke, Raymond C., Schenectady, N. Y., assignor to General Electric Company. Directive radiant energy locating and indicating system. 2,436,655, Feb. 24.

Loewy Engineering Company Limited, The, assignee: See—
Henschker, Erhard.

Logan, John A., Malden, Mo. High rate activated sludge process and apparatus. 2,436,584, Feb. 24.

Lorz, Emil: See—
Baltzly, Richard, and Lorz.

Losch, Albert A., Rydalmere, New South Wales, Australia, assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Loading platform. 2,436,440, Feb. 24.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Course indicator system for radio ranges. 2,436,479, Feb. 24.

Luke, Charles E., Irwin, Pa., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Manufacture of flaked cereal-soya product. 2,436,519, Feb. 24.

Machin, Donald W., assignor to Ottawa Steel Products, Inc., Ottawa, Kans. Loading device attachment for tractors. 2,436,723, Feb. 24.

Maggio, John B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray tube with discharge to deflecting plates. 2,436,393, Feb. 24.

Mahoney, Charles H., H. C. Lee, A. L. Tarr, and P. E. Le Grand, Boulder City, Nev., assignors, by mesne assignments, to Reconstruction Finance Corporation. Grain refining magnesium alloys. 2,436,520, Feb. 24.

Maltby, Wilson R., Washington, D. C., and R. H. Park, Pluckemin, N. J. Magnetic detector. 2,436,394, Feb. 24.

Mangold, Eli F., London, assignor of one-half to H. P. Chapman, Columbus, Ohio. Portable milk-pasteurizing apparatus. 2,436,585, Feb. 24.

Mangold, Eli F., Chicago, Ill., assignor of one-half to H. P. Chapman, Columbus, Ohio. Socket plug for electrical outlets. 2,436,586, Feb. 24.

Manley, Jack M., East Orange, N. J., and E. Peterson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator. 2,436,395, Feb. 24.

Mark Cross Company, assignee: See—
Setterberg, Ruth E.

Marshall, Velkko J., assignor to Norton Company, Worcester, Mass. Grinding machine steady rest. 2,436,587, Feb. 24.

Marsilius, Newman M., Trumbull, Conn. Fluid pressure engaged clamping fixture. 2,436,656, Feb. 24.

Martin, James, Ferndale, assignor to Michigan Tool Company, Detroit, Mich. Cam grinding machine. 2,436,588, Feb. 24.

Marty, Maurice: See—
Bonnet, Louis, and Marty.

Martyn, James R.: See—
Noakes, Henry F., and Martyn.

Mason & Hanger Co., Inc., assignee: See—
Killmer, Miles I.

Mason, Warren P.: See—
Briggs, Howard B., Johnson, and Mason.

Mathes, Richard E., Silver Springs, Md., assignor to Radio Corporation of America. Printer for Morse code signals. 2,436,441, Feb. 24.

Matulaitis, Victor E.: See—
Lavelli, Teno, and Matulaitis.

Mauch, Theodore C. M., Indianapolis, Ind., assignor to S. Morgan Smith Company, York, Pa. Pump control system. 2,436,442, Feb. 24.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Production of alkyl aromatic hydrocarbons. 2,436,480, Feb. 24.

Mavor & Coulson, Limited, assignee: See—
McCulloch, Thomas.

McCaslin, James F., Cleveland, Ohio. Inertia actuated magnetic fuse firing pin. 2,436,396, Feb. 24.

McCulloch, Thomas, assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Extensible conveyor of the endless belt type. 2,436,657, Feb. 24.

McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for preparing yarn and thread packages for liquid treatment. 2,436,481, Feb. 24.

McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Compounded lubricated oil. 2,436,589, Feb. 24.

McGaffey, Neill F., Inglewood, assignor to Radioplane Company, Van Nuys, Calif. Torque stabilizer for aircraft. 2,436,521, Feb. 24.

McQuaid, Howard S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing sulfamic acid. 2,436,658, Feb. 24.

Mechanical Research Company, assignee: See—
Feather, David C.

Mehlretter, Charles L., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Making d-saccharic acid. 2,436,659, Feb. 24.

Meldenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,436,522, Feb. 24.

Melsenhelder, Louis M., Correctionville, Iowa. Self-dumping farm wagon. 2,436,443, Feb. 24.

Meohas, Isaac, Long Beach, Calif. Hair curler. 2,436,523, Feb. 24.

Merrell, Wm. S., Company, The, assignee: See—
Shelton, Robert S.

Merrick, DeWitt D., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Predetermined-current-drop relay system. 2,436,444, Feb. 24.

Mertes, Clarence N.: See—
Deibel, Cyril P., Mertes, and Gray.

Michigan Tool Company, assignee: See—
Martin, James.

Middleton, Clifford V., Concrete, Wash. Brake drum cooling device. 2,436,758, Feb. 24.

Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,436,445, Feb. 24.

Miller, Wilbur A.: See—
Tritt, Forest G., and Miller.

Miller, William A., Port Jefferson, and E. R. Shenk, Brooklyn, N. Y. assignors to Radio Corporation of America. Electronic trigger circuit. 2,436,482, Feb. 24.

Mining Process and Patent Company, assignee: See—
Daman, Arthur C.

Mishel, Hyman H., Philadelphia, Pa. Gale hood. 2,436,724, Feb. 24.

Mistretta, Vincent F.: See—
Schneider, Helmut G., and Mistretta.

Mitchell, Robert, Company Limited, The, assignee: See—
Hardie, James H.

Molr, Lillian A., assignee: See—
Sprague, George H.

Monsanto Chemical Company, assignee: See—
Davis, Walter M.

Hood, Ralph S.

Russell, Cecil H.

Moore, Ralph T., Lakewood, assignor to The American MonoRail Company, Cleveland, Ohio. Electrified crane conveyor. 2,436,590, Feb. 24.

Morash, Norman: See—
Booth, Robert B., and Morash.

Morrill, Charles E., Westfield, J. K. Small, Union, and H. L. Yowell, Elizabeth, N. J. Making olefin chlorohydrins. 2,436,591, Feb. 24.

Morrison, Montford, Upper Montclair, N. J. Electronic timing apparatus. 2,436,725, Feb. 24.

Morrison, Willard L., Lake Forest, Ill. Storage container and evaporator for refrigerators. 2,436,592, Feb. 24.

Morton, Jack A., Warren Township, Somerset County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency oscillator. 2,436,397, Feb. 24.

Morton, Jack A., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency oscillator. 2,436,398, Feb. 24.

Moselowitz, Herman G., New Brunswick, N. J. Combined curb and sewer. 2,436,593, Feb. 24.

Motion Picture Engineering Corporation, assignee: See—
Bradford, Arthur J.

Moyer, Howard R., Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Centrifuge bucket. 2,436,726, Feb. 24.

Mueller, Charles W., St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company. Spangle slinging machine. 2,436,759, Feb. 24.

Mueller, Max B., Demarest, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Oxidation of heterocyclic aromatic nitrogen compounds. 2,436,660, Feb. 24.

Müller, John F.: See—
Fletcher, Harvey, Müller, and Swartzel.

Murphy, Nicholas V., Claymont, Del. Thermosafety control for railroad cars. 2,436,727, Feb. 24.

Myers, Joseph W.: See—
Walden, Emil, and Myers.

Naster, Bert K., Chicago, Ill. Electrical socket. 2,436,661, Feb. 24.

Nathan Manufacturing Company, assignee: See—
Shepard, Ralph H.

Nathanson, Max, Montreal, Quebec, Canada. Fluorescent tube lighting system. 2,436,399, Feb. 24.

Nathanson, Max, Montreal, Quebec, Canada. Fluorescent tube lighting system. 2,436,400, Feb. 24.

National Company, Inc., assignee: See—
Larkin, William J.

National Supply Company, assignee: See—
Hanners, Harvey W.

Navy, Government of the United States, as represented by the Secretary of, assignee: See—
Swenson, Carl E.

Neiley, Stephen E.: See—
Ross, William C., and Neiley.

Nelson, Walter: See—
Hill, Irving, and Nelson.

Newman, Robert J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffins. 2,436,483, Feb. 24.

Nicholoy, Winford E., assignor to The Scott Viner Company, Columbus, Ohio. Root harvester and steering means therefor. 2,436,594, Feb. 24.

Nichols, George B., assignor to Seiberling Rubber Company, Barberton, Ohio. Calendaring and apparatus therefor. 2,436,446, Feb. 24.

Nicholson, Edward W. S., and A. K. Redcay, Baton Rouge, La., assignors to Standard Oil Development Company. Conversion of hydrocarbon gases. 2,436,595, Feb. 24.

Noakes, Henry F., and J. R. Martyn, James Island, British Columbia, Canada, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive and making the same. 2,436,596, Feb. 24.

Noma Electric Corporation, assignee: See—
Otis, Carl W.

Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Pulse generator. 2,436,662, Feb. 24.

Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Saw-tooth wave generator. 2,436,663, Feb. 24.

Norton Company, assignee: See—
Flygare, Carl G., La Fleur, and Silven.

Marshall, Velkko J.

Nu-Art Engraving Company, assignee: See—
Freund, Clarence H.

Nutting, Howard S.: See—
Pletcher, Donald E., and Nutting.

Nutting, Howard S., and A. R. Sexton, assignors to The Dow Chemical Company, Midland, Mich. Method and catalysts for the production of alkenyl cyanides. 2,436,774, Feb. 24.

Nyberg, Curt E., Chicago, Ill., assignor to J. F. Barnes, trustee. Baby tender and the like. 2,436,664, Feb. 24.

Oberman, Lucile M., Escondido, Calif. Canning rack. 2,436,524, Feb. 24.

Oblad, Alex G., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separating olefins from hydrocarbon mixtures. 2,436,698, Feb. 24.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Simplified feed unit for serially-connected wiring units. 2,436,775, Feb. 24.

O'Donnell, Roland E., Midland, Tex. Liner setting and cementing tool. 2,436,525, Feb. 24.

- Ogorzaly, Henry J.: See—
Laughlin, Kenneth C., and Ogorzaly.
Oiljak Manufacturing Co., Inc., The, assignee: See—
Padelford, Lester E.
Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring arbor. 2,436,526, Feb. 24.
Otis, Carl W., Rockville Centre, assignor to Noma Electric Corporation, New York, N. Y. Method and means for molding plastic objects. 2,436,597, Feb. 24.
Ottawa Steel Products, Inc., assignee: See—
Machin, Donald W.
Packard, Alden, Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Sweep control for panoramic oscilloscopes. 2,436,447, Feb. 24.
Padelford, Lester E., North Arlington, assignor to The Oiljak Manufacturing Co., Inc., Montclair, N. J. Automatic timer for toasters or other apparatus. 2,436,448, Feb. 24.
Park, Robert H.: See—
Maltby, Wilson R., and Park.
Parker Manufacturing Company, assignee: See—
Carlson, Andrew H.
Parker, Robert P.: See—
Lecher, Hans Z., Parker, and Hofmann.
Parsons, John B., Toledo, Ohio. Vehicle window regulator. 2,436,728, Feb. 24.
Pastor, John, and L. J. Standish, assignors to The Bridgeport Casket Hardware Company, Bridgeport, Conn. Casket handle. 2,436,598, Feb. 24.
Patents, Inc., assignee: See—
Winter, Henry A.
Paul, Benson H.: See—
Limbach, John P., and Paul.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric circuit interrupter. 2,436,665, Feb. 24.
Paxman, Edward P., Colchester, England. Construction of internal-combustion engines. 2,436,729, Feb. 24.
Pearson, Thomas V., and M. Lahood, assignors to Good-year Aircraft Corporation, Akron, Ohio. Reversible tube bender with side angle indicator. 2,436,776, Feb. 24.
People in the Territory of the United States, Free Use of the: See—
Carlsen, John A.
Limbach, John P., and B. H. Paul.
Perry, Sydney V., West Collingswood, N. J., assignor to Radio Corporation of America. Electrical calculator. 2,436,666, Feb. 24.
Petersen, Russell D., Bremerton, Wash. Cutting machine attachment. 2,436,401, Feb. 24.
Peterson, Eugene: See—
Manley, Jack M., and Peterson.
Peterson, Peter A., and H. Siebert, South St. Paul, Minn. Electric vehicle turn indicator. 2,436,667, Feb. 24.
Phileo Corporation, assignee: See—
Spielman, Sterling C.
Phillips Petroleum Company, assignee: See—
Buell, Charles K., and Weinaug.
Flatford, William R., and Crawford.
Jennings, Gerald P.
Pierce, John B., Foundation, assignee: See—
O'Brien, Joseph F., and Boynton.
Pikul, Joseph H., West Newton, Mass., assignor to The Reece Corporation. Sewing machine. 2,436,449, Feb. 24.
Pines, Herman, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,436,484, Feb. 24.
Pittsburgh Plate Glass Company, assignee: See—
Gerhart, Howard L., and Adams.
Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Control valve unit for welding apparatus. 2,436,760, Feb. 24.
Pletcher, Donald E., and H. S. Nutting, assignors to The Dow Chemical Company, Midland, Mich. Organofluoro silanes and making same. 2,436,777, Feb. 24.
Pödenphant, Holger O., Copenhagen, Denmark. Control register for calculating machines. 2,436,668, Feb. 24.
Polk, Louis F., and W. F. Aller, assignors to The Sheffield Corporation, Dayton, Ohio. Machine tool. 2,436,527, Feb. 24.
Polk, Louis F., and W. F. Aller, assignors to The Sheffield Corporation, Dayton, Ohio. Screw thread gauge. 2,436,528, Feb. 24.
Potter, Earl C.: See—
Couch, Robert D., and Throckmorton.
Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Method of laying communication lines. 2,436,402, Feb. 24.
Pray, Henry A., and C. L. Faust, Columbus, Ohio, and F. C. Jelen, Syracuse, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation. Preparing alumina. 2,436,778, Feb. 24.
Pressley, Jackson H., Marion, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Inertia tripping mechanism. 2,436,529, Feb. 24.
Price, Vernon L., San Jose, Calif. Percussion tool. 2,436,450, Feb. 24.
Proctor Electric Company, assignee: See—
Walder, Emil, and Myers.
Proctor & Schwartz, Inc., assignee: See—
Hurxthal, Alpheus O.
Radio Corporation of America, assignee: See—
Blitz, Daniel.
Luck, David G. C.
Mathes, Richard E.
Miller, William A., and Shenk.
Perry, Sydney V.
Sachtleben, Lawrence T.
Sanders, Royden C., Jr.
Smith, Perry C., and Runge.
Snyder, Richard L., Jr.
Radio Electronics Limited, assignee: See—
Van den Bosch, Francois J. G., and Tapp.
Radioplane Company, assignee: See—
McGaffey, Neil F.
Rausenberger, Larence E., assignor to The Steel Products Engineering Company, Springfield, Ohio. Drive unit. 2,436,669, Feb. 24.
Rayndal, Margaret H., assignee, et al.: See—
Hill, Irving, and Nelson.
Read, Chester L., and A. H. Gleason, Westfield, N. J., assignors, by mesne assignments, to Standard Catalytic Company. Bituminous bonding composition. 2,436,599, Feb. 24.
Reconstruction Finance Corporation, assignee: See—
Faust, Charles L.
Mahoney, Charles H., Lee, Tarr, and Le Grand.
Pray, Henry A., Faust, and Jelen.
Redcay, Aaron K.: See—
Nicholson, Edward W. S., and Redcay.
Reece Corporation, The, assignee: See—
Pikul, Joseph H.
Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Production and concentration of butadiene. 2,436,600, Feb. 24.
Repke, George H., Flint, Mich. Folding table and benches. 2,436,730, Feb. 24.
Republic Flow Meters Company, assignee: See—
Rosenberger, Albert J.
Reynolds, Howard H., Belmont, Mass., assignor to The Davison Chemical Corporation, Baltimore, Md. Apparatus for thickening hydrosols. 2,436,403, Feb. 24.
Richa, John H., Kansas City, Mo. Garment finishing machine. 2,436,731, Feb. 24.
Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Switch element. 2,436,601, Feb. 24.
Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Timing element. 2,436,602, Feb. 24.
Ritchey, Donald D., Brookmont, Md. Pneumatic siren. 2,436,603, Feb. 24.
Robert Company, The, assignee: See—
Somers, Elward B.: See—
Roberts, Melvin R., Los Angeles, Calif. Toy bank. 2,436,604, Feb. 24.
Robertson, H. H., Company, assignee: See—
Singleton, Fred G.
Robins, Stanley J., New York, N. Y. Lapping device. 2,436,605, Feb. 24.
Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Spectacle lens mounting. 2,436,606, Feb. 24.
Rolls-Royce Limited, assignee: See—
Griffith, Alan A., and Eyre.
Rose, William G., Berkeley, Calif., assignor to the United States of America, as represented by the Secretary of Agriculture. Nitrogenous diacyl-glycerophosphates. 2,436,699, Feb. 24.
Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Measuring instrument. 2,436,451, Feb. 24.
Rosenthal, Alice E., Newport, R. I. Hairpin receptacle. 2,436,607, Feb. 24.
Ross, William C., and S. B. Neiley, Winchester, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Textile print blanket. 2,436,761, Feb. 24.
Rowe, Robert G., assignor to The Carborundum Company, Niagara Falls, N. Y. High-frequency electric field heating. 2,436,732, Feb. 24.
Roxy, Frank C., Detroit, assignor to D. M. Schoonover and A. Franta, Van Dyke, Mich. Bolster mechanism of the fifth wheel type. 2,436,485, Feb. 24.
Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Cantilever column assemblage for crushers. 2,436,608, Feb. 24.
Runge, Frank E.: See—
Smith, Perry C., and Runge.

- Ruskin, Simon L.: See—
Korn, Arthur, Hess, and Ruskin.
Russell, Cecil H., Trenton, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. Trisodium phosphate dodecahydrate and manufacturing same. 2,436,670, Feb. 24.
Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Optical system for sound recording. 2,436,671, Feb. 24.
Sader, Abe, Brooklyn, N. Y. Automatic book marker. 2,436,609, Feb. 24.
Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Frequency modulated radio distance measuring system and indicator. 2,436,672, Feb. 24.
Sando, Joseph B., Kansas City, Mo., assignor to Western Laundry Machinery Company. Roll for ironers. 2,436,530, Feb. 24.
Saxon, Hilarie E., Seattle, Wash. Body garment. 2,436,610, Feb. 24.
Scheinman, Fred W., assignor to Standard Oil Company, Chicago, Ill. Multistage hydrocarbon cracking process. 2,436,486, Feb. 24.
Schenley Distillers Corporation, assignee: See—
Volk, Anthony.
Schifrin, Moses J., New York, N. Y. Fur coat construction. 2,436,489, Feb. 24.
Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of monohalocycloalkanes. 2,436,490, Feb. 24.
Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Producing a cycloolefin. 2,436,491, Feb. 24.
Schmidt, William E., Chicago, Ill. Water-cooled furnace supporting member. 2,436,452, Feb. 24.
Schneider, Helmut G., Westfield, and V. F. Mistretta, Fanwood, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Zinc-oxide-bismuth oxide catalyst. 2,436,733, Feb. 24.
Schoonover, Nils G., assignee: See—
Fredholm, Johan O. H., and Claesson.
Schoonover, Dan M., assignee, et al.: See—
Roxy, Frank C.
Schroeder, Herman O.: See—
Lindquist, Arthur W., Husman, and Schroeder.
Schulz, Walter E. P., Sheridan, Mont. Gun sight. 2,436,453, Feb. 24.
Scott Aviation Corporation, assignee: See—
Meidenbauer, Phillip E., Jr.
Scott Viner Company, The, assignee: See—
Nichols, Winford E.
Scott & Williams, Incorporated, assignee: See—
Bristow, Paul W.
Sealed Power Corporation, assignee: See—
Olson, Holly M.
Sealtight Corporation, assignee: See—
Burrell, George G., and Hulshizer.
Selberling Rubber Company, assignee: See—
Nichols, George B.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Triamino propanes. 2,436,779, Feb. 24.
Sensenbach, Elmo R., and E. E. Shaver, Los Angeles, Calif., assignors to Wizard Mfg. Co., Inc. Self-contained window cleaning implement. 2,436,454, Feb. 24.
Setterberg, Ruth E., assignor to Mark Cross Company, New York, N. Y. Binding. 2,436,611, Feb. 24.
Sexton, Arthur R.: See—
Nutting, Howard S., and Sexton.
Seybold, Frederick W., Westfield, assignor to American Type Founders, Incorporated, Elizabeth, N. J. Inking mechanism. 2,436,455, Feb. 24.
Shannon, Edward F.: See—
Liddell, James W., and Shannon.
Shaver, Everett E.: See—
Sensenbach, Elmo R., and Shaver.
Sheets, Jack H., Verona, N. J., assignor to Curtiss-Wright Corporation. Sealed propeller hub arrangement. 2,436,612, Feb. 24.
Sheffield Corporation, The, assignee: See—
Polk, Louis F., and Aller.
Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Therapeutic peroxide composition. 2,436,673, Feb. 24.
Shenk, Eugene R.: See—
Miller, William A., and Shenk.
Shepard, Ralph H., assignor to Nathan Manufacturing Company, New York, N. Y. Pumping unit for mechanical lubricators. 2,436,492, Feb. 24.
Shepard, Ralph H., assignor to Nathan Manufacturing Company, New York, N. Y. Mechanical lubricator. 2,436,493, Feb. 24.
Sherban, Daniel V., Keyport, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Closed-loop material transport system, including an in-circuit pulverizer. 2,436,487, Feb. 24.
Shipley, George H., Jr., Baytown, and G. W. Wilson, Jr., Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method for treating a hydrocarbon feed stock with a solution of toluene sulphonic acid and sodium meta arsenite. 2,436,494, Feb. 24.
Shipley, Robert C., Kalamazoo, Mich. Container closure. 2,436,531, Feb. 24.
Shuron Optical Company, Inc., assignor: See—
Rohrbach, John J.
Siebert, Herman: See—
Peterson, Peter A., and Siebert.
Sight Feed Generator Company, The, assignee: See—
Smith, Carl F.
Silven, Herbert A.: See—
Flygare, Carl G., La Fleur, and Silven.
Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Handling a contact mass. 2,436,780, Feb. 24.
Sinclair, Wilford P., Ryland, N. C. Automatic cigarette holder. 2,436,613, Feb. 24.
Singleton, Fred G., assignor to H. H. Robertson Company, Pittsburgh, Pa. Production of 4-keto pimelic acid. 2,436,532, Feb. 24.
Skelly Oil Company, assignee: See—
Edson, Kenneth C., and Fisher.
Slate, Claude C., Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex. Ammunition booster for automatic guns. 2,436,404, Feb. 24.
Slate, Claude C., Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex. Means for engaging and hoisting bombs and other objects. 2,436,405, Feb. 24.
Small, James K.: See—
Morrell, Charles E., Small, and Yowell.
Smith, Arthur D., Park Ridge, assignor to Adsorptive Process Company, Chicago, Ill. Process and apparatus for adsorptively and catalytically treating hydrocarbon oil. 2,436,495, Feb. 24.
Smith, Arthur D., Park Ridge, assignor to Adsorptive Process Company, Chicago, Ill. Catalytic treatment of hydrocarbon oil. 2,436,496, Feb. 24.
Smith, Carl F., assignor to The Sight Feed Generator Company, West Alexandria, Ohio. Acetylene generator. 2,436,674, Feb. 24.
Smith Engineering Works, assignee: See—
Rumpel, Harvey H.
Smith, Perry C., Moorestown, and F. E. Runge, Haddon Heights, N. J., assignors to Radio Corporation of America. Control grid adjusting method and apparatus. 2,436,675, Feb. 24.
Smith, Perry C., Moorestown, and F. E. Runge, Haddon Heights, N. J., assignors to Radio Corporation of America. Apparatus for stereoscopic work. 2,436,676, Feb. 24.
Smith, S. Morgan, Company, assignee: See—
Mauch, Theodore C. M.
Snader, Ira J., assignor to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic transmission for machine tools. 2,436,406, Feb. 24.
Snell, Francis A., assignor, by mesne assignments, to BMC Manufacturing Corporation, Binghamton, N. Y. Wrench with toggle-actuated pivoted jaw. 2,436,497, Feb. 24.
Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Incremental deflection of cathode-ray beam. 2,436,677, Feb. 24.
Socony-Vacuum Oil Company, Incorporated, assignee: See—
Cleveland, James Y.
Kuhn, Carl S., Jr.
Oblad, Alex G.
Simpson, Thomas P.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Hydrocarbon resin-sulfurized oil composition. 2,436,456, Feb. 24.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Sulfurized oil-aromatic oil compositions. 2,436,457, Feb. 24.
Somers, Elward B., New York, N. Y., assignor to The Robert Company, Norwalk, Conn. Swivel joint for rear-view mirrors and the like. 2,436,678, Feb. 24.
Southern Steel Company, assignee: See—
White, Loyd J.
Sparks, William J., Cranford, H. B. Kellogg, Union City, and D. C. Field, Linden, N. J., assignors to Standard Oil Development Company. Solid styrene polymer formation at low temperatures. 2,436,614, Feb. 24.
Sperry Corporation, The, assignee: See—
Ginzton, Edward L.
Tawney, Gerald L.
Spielman, Sterling C., Huntingdon Valley, assignor, by mesne assignments, to Phileo Corporation, Philadelphia, Pa. Cavity resonator oscillator. 2,436,700, Feb. 24.
Sprague, George H., deceased, assignor of one-half to L. A. Molr, East Newport; L. M. Sprague, executrix, assignor to L. M. Sprague, Commack, N. Y. Flush box mechanism. 2,436,679, Feb. 24.
Sprague, Lillian M., executrix, assignee: See—
Sprague, George H.
Standard Catalytic Company, assignee: See—
Read, Chester L., and Gleason.
Standard Oil Company, assignee: See—
Scheinman, Fred W.

Standard Oil Development Company, assignee: *See—*
 Brandon, Richard C.
 Franklin, William B.
 Frosch, Alex.
 Gerbes, Otto.
 Gillett, Donald B.
 Griffin, Lindsay I., and Jahnig.
 Heinrich, Raymond L.
 Laughlin, Kenneth C., and Ogorzaly.
 McDermott, John P.
 Morrell, Charles E., Small, and Yowell.
 Nicholson, Edward W. S., and Redcay.
 Reeves, Edward D.
 Schneider, Helmuth G.
 Shipley, George H., Jr., and Wilson.
 Sparks, William J., Kellog, and Field.
 Summerford, Simpson D.
 Sweeney, William J.
 Tyson, Charles W.
 Wadley, Edward F.
 Standish, Louis J.: *See—*
 Pastor, John, and Standish.
 Stearns, Dick E., Shreveport, La. Apparatus for detecting imperfections in insulating materials. 2,436,615, Feb. 24.
 Steel Products Engineering Company, The, assignee: *See—*
 Rausenberger, Larence E.
 Stephen, William E.: *See—*
 Knight, Arthur H., and Stephen.
 Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Fluid-tight joint. 2,436,407, Feb. 24.
 Stille, Robert, and P. Eisenberg, Brooklyn, N. Y. Shoe construction. 2,436,458, Feb. 24.
 Stoltenberg, Delbert H.: *See—*
 Utter, Raymond E., and Stoltenberg.
 Strange, Charles H., assignee: *See—*
 Kane, Irwin M.
 Straussler, Nicholas, London, England. Valve for controlling supply of liquid under pressure. 2,436,680, Feb. 24.
 Strezynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Apparatus for use in the centrifugal separation of serum from cheese constituents. 2,436,498, Feb. 24.
 Summerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Dehydrogenation process. 2,436,616, Feb. 24.
 Sundholm, Edwin P., Albert City, Iowa. Grease-gun head construction. 2,436,701, Feb. 24.
 Surface Combustion Corporation, assignee: *See—*
 Turin, John J., and Hanna.
 Sret, Tony, Cleveland, Ohio. Welding torch. 2,436,617, Feb. 24.
 Swartzel, Karl D., Jr.: *See—*
 Fletcher, Harvey, and Swartzel.
 Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,436,618, Feb. 24.
 Swenson, Carl E., Rockford, Ill., assignor, by mesne assignments, to the Government of the United States, as represented by the Secretary of the Navy. Vehicle. 2,436,681, Feb. 24.
 Swiech, Walter, Chicago, assignor of nine-twentieths to C. A. Borys, Cicero, Ill. Valuables transferring apparatus. 2,436,702, Feb. 24.
 Swindell, Paul E., Nashville, Tenn. Armicycle. 2,436,619, Feb. 24.
 Symington-Gould Corporation, The, assignee: *See—*
 Barrows, Donald S.
 Symmes, Daniel D., West Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Rope tension measuring device. 2,436,459, Feb. 24.
 Tabb, Braxton H., Jr.: *See—*
 Gillette, John C., and Tabb.
 Tapp, Ernest T. J.: *See—*
 Van den Bosch, Francois J. G., and Tapp.
 Tarbox, John P., assignor to The Budd Company, Philadelphia, Pa. Brace for vehicles, especially for automobiles. 2,436,620, Feb. 24.
 Tarr, Allan L.: *See—*
 Mahoney, Charles H., Lee, Tarr, and Le Grand.
 Tawney, Gereld L., Hempstead, N. Y., assignor to The Sperry Corporation. Radio wave reflecting transducer system. 2,436,408, Feb. 24.
 Textile Research Co., assignee: *See—*
 Languirand, William.
 Thiele, Berthold, assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Wheel mount for carpet sweepers. 2,436,460, Feb. 24.
 Thomas, Henry, Chingford, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Bread slicing machine having multiple reciprocating blades, with a guard. 2,436,703, Feb. 24.
 Thomas, Laurence H.: *See—*
 Kuhn, Frank, and Thomas.
 Thompson, Floyd L., assignor to P. Thorne, Los Angeles, Calif. Door hook. 2,436,533, Feb. 24.
 Thompson Grinder Company, The, assignee: *See—*
 Wilson, John C.
 Thornburgh, Ivan D., Leonia, N. J., assignor to American Can Company, New York, N. Y. Machine for making can bodies from flattened tubing. 2,436,409, Feb. 24.

Thorne, Pat, assignee: *See—*
 Thompson, Floyd L.
 Throckmorton, Edgerton A.: *See—*
 Couch, Robert de S., Potter, Earl C.
 Tills, John W., Upton, England. Fluid stream vacuum pump. 2,436,704, Feb. 24.
 Tobey, Alton E., Santa Cruz, Calif. Abrasive wheel casing. 2,436,621, Feb. 24.
 Tolley, Donald B., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Mechanism for weighing and discharging articles into selected compartments. 2,436,534, Feb. 24.
 Tritt, Forest G., Sherman, and W. A. Miller, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Crash pad for war tanks or other vehicles. 2,436,461, Feb. 24.
 Trydal, Nils: *See—*
 Davidson, William W., Trydal, and Breman.
 Tuft, Miles H.: *See—*
 Jones, Frank D., and Tuft.
 Turin, John J., and R. Hanna, assignor to Surface Combustion Corporation, Toledo, Ohio. Electronic control apparatus. 2,436,762, Feb. 24.
 Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Catalytic cracking and refining of hydrocarbon oils. 2,436,622, Feb. 24.
 United Gas Improvement Company, The, assignee: *See—*
 Soday, Frank J.
 United Shoe Machinery Corporation, assignee: *See—*
 Eastman, Fred C.
 Miller, Lloyd G.
 United States of America, assignee: *See—*
 Mehlretter, Charles L.
 U. S. Slicing Machine Company, assignee: *See—*
 Thomas, Henry.
 Universal Camera Corporation, assignee: *See—*
 Johanson, Sten.
 Kende, George, and Johanson.
 Universal Oil Products Company, assignee: *See—*
 Mavity, Julian M.
 Newman, Robert J.
 Pines, Herman.
 Schmerling, Louis.
 Urschel, Joe R.: *See—*
 Urschel, William E., and J. R.
 Urschel, William E. and J. R., Valparaiso, Ind. Adjusting casing for rotary drum type fruit and vegetable dicing machines. 2,436,410, Feb. 24.
 Utter, Raymond E., and D. H. Stoltenberg, Toledo, Ohio. Remote controlled parking windshield wiper motor. 2,436,462, Feb. 24.
 Van Dellen, Edward, and R. N. Ball, Visalia, Calif. Onion flavored melon stuffing. 2,436,463, Feb. 24.
 Van den Bosch, Francois J. G., and E. T. J. Tapp, London, England, assignors to Radio Electronics Limited. Supporting structures for the electrodes of electron discharge devices. 2,436,734, Feb. 24.
 Van Dornick, Edward M., New York, N. Y. Fluid catalytic cracking. 2,436,464, Feb. 24.
 Vanity Fair Mills, Inc., assignee: *See—*
 Amidon, Roy C.
 Van Zile, Wilbur N., Corona, Calif. Method and apparatus for root canal treatment. 2,436,623, Feb. 24.
 Volk, Anthony, Milwaukee, Wis., assignor to Schenley Distillers Corporation, New York, N. Y. Multiple grain discharge valve device. 2,436,624, Feb. 24.
 Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Vapor phase solvent extraction process. 2,436,472, Feb. 24.
 Wagner, E. R., Manufacturing Company, assignee: *See—*
 Thiele, Berthold.
 Walder, Emil, and J. W. Myers, assignors, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Thermal timer for toasters. 2,436,735, Feb. 24.
 Walther, Paul H., assignor to Carter Carburetor Corporation, St. Louis, Mo. Grinding machine. 2,436,535, Feb. 24.
 Walz, Agnes L., assignee, et al.: *See—*
 Freund, Clarence H.
 Walz, John W., assignee, et al.: *See—*
 Freund, Clarence H.
 War, United States of America, as represented by the Secretary of, assignee: *See—*
 Gossard, Waldo D.
 Hollywood, John M.
 Watts, Berl P., Oakland, Calif. Sound device for toy airplanes. 2,436,705, Feb. 24.
 Weaver, John A., Detroit, Mich. Portable liquid oxygen unit. 2,436,411, Feb. 24.
 Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Sear mechanism. 2,436,682, Feb. 24.
 Wehr, William G., North Madison assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Clutch. 2,436,625, Feb. 24.
 Weinaug, Charles F.: *See—*
 Buell, Charles K., and Weinaug.
 Weritz, John, Cicero, Ill. Lamp holder for tubular lamps. 2,436,706, Feb. 24.

West Road Co. Limited, assignee: *See—*
 Halstead, Philip E.
 Western Electric Company, Incorporated, assignee: *See—*
 Arnold, Edwin.
 Dowd, Frank, and Keller.
 Merrick, De Witt D.
 Western Laundry Machinery Company, assignee: *See—*
 Sando, Joseph B.
 Westinghouse Electric Corporation, assignee: *See—*
 Cody, Clifford S.
 Moyer, Howard R.
 Westmoreland, Bascom B., Grand Prairie, assignor to Ben G. Barnett, Dallas, Tex. Collapsible canopy top frame. 2,436,736, Feb. 24.
 Wheeler, Edward A., Chicago, Ill. Laundry machine provided with end drain means. 2,436,536, Feb. 24.
 White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Method of and apparatus for dispensing liquefied petroleum gas. 2,436,781, Feb. 24.
 White, Nelson J., and J. S. Graham, Washington, Pa. Bailer. 2,436,737, Feb. 24.
 Whittle, William S., University Heights, assignor to The Ferro Engineering Company, Cleveland, Ohio. Slurry mixer. 2,436,626, Feb. 24.
 Wienke, Norman B.: *See—*
 Hornbrook, Lester H., Jr., Wienke, and Cullman.
 Wilkinson, Robert A., North Hollywood, Calif. Micrometer caliper. 2,436,537, Feb. 24.
 Williams, Chester, Ypsilanti, Mich. Truck saddle mount. 2,436,499, Feb. 24.
 Wilson, Evan F.: *See—*
 Harter, Isaac, Wilson, and Hugs.

Wilson, Glenn W., Jr.: *See—*
 Shipley, George H., Jr., and Wilson.
 Wilson, Harland D., Toledo, Ohio. Underwater battery vent plug. 2,436,465, Feb. 24.
 Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Method and apparatus for grinding and lapping. 2,436,466, Feb. 24.
 Wing, Lewis O., Sr., assignor to California Magnet Company, Sacramento, Calif. Electromagnetic surgical probing instrument. 2,436,538, Feb. 24.
 Wing, Russell T., Excelsior, Minn. Writing instrument. 2,436,763, Feb. 24.
 Winter, Henry A., assignor to Patents, Inc., Denver, Colo. Vehicle ramp. 2,436,467, Feb. 24.
 Wizard Mfg. Co., Inc., assignee: *See—*
 Sensenbach, Elmo R., and Shaver.
 Wood, Clifford: *See—*
 Haddock, Norman H., and Wood.
 Wood, Joseph H., Jr., Dallas, Tex., assignor to Atlantic Pipe Line Company, Philadelphia, Pa. Generator for pipe lines. 2,436,683, Feb. 24.
 Woodward Governor Company, assignee: *See—*
 Avery, Clarence L.
 Wyandotte Chemicals Corporation, assignee: *See—*
 Darbyshire, Richard W.
 Yowell, Howard L.: *See—*
 Morrell, Charles E., Small, and Yowell.
 Zeldler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Fluid coupling. 2,436,412, Feb. 24.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bleaching bath and bleaching color film. F. J. Kaszuba. Re. 22,977, Feb. 24.
Refrigerator, Two-temperature. D. E. Dalley. Re. 22,976, Feb. 24.
Valve for hydraulic couplings, Dump. N. L. Allison. Re. 22,975, Feb. 24.

LIST OF PLANT INVENTIONS

Rose plant. T. J. Morris. 785, Feb. 24.

LIST OF DESIGN INVENTIONS

Alphabet. N. Kalnitz. 148,791, Feb. 24.
Automobile. R. A. Walker. 148,832, Feb. 24.
Bag or similar article, Cosmetic. L. Malmstead. 148,811, Feb. 24.
Beater, Egg. J. E. Davis. 148,770, Feb. 24.
Book end. B. Blecher. 148,748, Feb. 24.
Book end. A. S. Leitner. 148,802, Feb. 24.
Brooch or similar article. A. Katz. 148,792-3, Feb. 24.
Building front. H. B. Barrett. 148,743, Feb. 24.
Cabinet. H. H. Hopkins. 148,789, Feb. 24.
Cabinet. E. J. Spence. 148,826, Feb. 24.
Cabinet for automatic photographic apparatus. P. S. Allen. 148,740, Feb. 24.
Cabinet or similar article, radio. J. F. Radebaugh. 148,818, Feb. 24.
Camera. W. L. Lawson. 148,801, Feb. 24.
Camera, Folding. T. G. Clement. 148,765, Feb. 24.
Car, Rocket. J. Carmody. 148,761, Feb. 24.
Casing, Carpet sweeper. M. and J. de Kad. 148,773, Feb. 24.
Chain for a bracelet or the like, Link. M. Chernow. 148,763, Feb. 24.
Chair and chest, Combination. H. P. Bennett. 148,744, Feb. 24.
Club, Golf. A. and S. N. Liolich. 148,805, Feb. 24.
Compact and lipstick holder, Combined. A. Olevin. 148,815, Feb. 24.
Container, Egg. F. K. Lewis and E. Trout. 148,804, Feb. 24.
Cooker, Pressure. W. A. Welden. 148,833, Feb. 24.
Cork screw. M. T. McDowell. 148,810, Feb. 24.
Cuspidor unit, Dental. E. J. Wester. 148,834, Feb. 24.
Desk. B. L. Fay. 148,774-5, Feb. 24.
Desk unit, Multiple. B. L. Fay. 148,776, Feb. 24.
Developing tank, or similar article, Photographic film. T. G. W. Nevell. 148,814, Feb. 24.
Device for releasing snagged fishing lures or baits. E. F. McDonald, Jr. 148,809, Feb. 24.
Dress. J. Frazita. 148,779, Feb. 24.
Dress. I. Glickman. 148,781, Feb. 24.
Furnace. W. B. Green. 148,784-6, Feb. 24.
Guard, Automobile radiator. L. Bustin. 148,752-60, Feb. 24.
Hat. T. Leser. 148,803, Feb. 24.
Helicopter. W. J. Davis. 148,772, Feb. 24.
Holder, Cigarette. L. Reis. 148,819, Feb. 24.
Holder, Knife. B. W. Colman. 148,836-7, Feb. 24.
Holder, Photographic lamp. H. T. Lorenz. 148,806, Feb. 24.
Ironer, Portable automatic. J. Tjaarda. 148,828, Feb. 24.
Lamp. E. P. Poore and J. O. Wagner. 148,817, Feb. 24.
Lamp base. R. Goldman and R. Nemzer. 148,782, Feb. 24.
Lipstick and vanity case, Combined. L. Medgyes. 148,812, Feb. 24.
Locker or similar article, Frozen food. L. Carrière. 148,762, Feb. 24.
Louvre and drip molding, Combination. C. J. Wagner. 148,831, Feb. 24.
Magnifier. H. L. Pemstein. 148,816, Feb. 24.
Measuring device for bowling balls and the like, Span. E. C. Gillett. 148,780, Feb. 24.
Mirror, Round-the-neck. S. J. Winslow. 148,835, Feb. 24.
Pack for glass tumblers or like fragile articles. E. L. Shepard. 148,824, Feb. 24.
Peeler, Vegetable. J. E. Davis. 148,771, Feb. 24.
Perfume diffuser. H. Cobbs. 148,766, Feb. 24.
Phonograph needle. J. W. Berggren. 148,746, Feb. 24.
Pin, Jewelry. M. Koven. 148,798, Feb. 24.
Pin or similar article. M. Boucher. 148,751, Feb. 24.
Plate, Camera. M. R. Hutchison, Jr. 148,790, Feb. 24.
Plate or the like. M. Gougler. 148,783, Feb. 24.
Plate or the like. M. Seboid. 148,822-3, Feb. 24.
Press, Drill. C. B. Stevens. 148,827, Feb. 24.
Projector. T. G. Clement. 148,764, Feb. 24.
Projector, Motion picture. M. C. Ubaldi. 148,830, Feb. 24.
Rack, Portable magazine. W. Hansen. 148,788, Feb. 24.
Receptacle, Waste. A. Naiden. 148,813, Feb. 24.
Receptacle, Waste. A. M. Snider. 148,825, Feb. 24.
Seat, back and washbasins unit, Combined. O. Kuhler. 148,799, Feb. 24.
Showcase. W. A. Yantis. 148,767, Feb. 24.
Sifter, Flour. J. E. Davis. 148,769, Feb. 24.
Sink. L. Keller. 148,794-6, Feb. 24.
Sled or similar article, Ski. C. S. Anderson. 148,741, Feb. 24.
Sled or the like, Snow. J. L. Turner. 148,829, Feb. 24.
Socket, Bracket lamp. C. F. Bookman, Jr., and Z. H. Jammie. 148,750, Feb. 24.
Spatula, spoon, and scraper, Combination. W. P. Ferris. 148,777, Feb. 24.
Toy animal, Wheeled. H. Sebel. 148,821, Feb. 24.
Toy, Flying model helicopter. W. K. Crowder. 148,768, Feb. 24.
Toy typewriter. S. I. Berger. 148,745, Feb. 24.
Trailer. J. E. Boldt. 148,749, Feb. 24.
Trailer. G. R. Schutes. 148,820, Feb. 24.
Trailer, Vehicle. W. B. MacDonald, Jr. 148,807-8; Feb. 24.
Training device, Aeronautical. G. Laughead. 148,800, Feb. 24.
Tripod head or similar article, Camera. J. F. Flishter. 148,778, Feb. 24.
Truing machine, Brake drum. G. E. Klassett. 148,797, Feb. 24.
Valve, Gas. J. M. Haldane. 148,787, Feb. 24.
Visor or similar article, Automotive. C. A. Baratelli. 148,742, Feb. 24.
Wheelbarrow. G. C. Berker. 148,747, Feb. 24.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel casing. A. E. Tobey. 2,436,621, Feb. 24.
Acetylene generator. C. F. Smith. 2,436,674, Feb. 24.
Acid chloride-fluoride bath for nickel plating. A. H. Du Rose. 2,436,690, Feb. 24.
Adhesive and making the same. H. F. Noakes and J. R. Martyn. 2,436,596, Feb. 24.
Air conditioning apparatus having mounting for motion relative to a window. C. S. Cody. 2,436,713, Feb. 24.
Album, Phonograph record. L. A. Chouinard. 2,436,744, Feb. 24.
Alkyl aromatic hydrocarbons, Production of. J. M. Mav-ity. 2,436,480, Feb. 24.
Alkylation of isoparaffins. R. J. Newman. 2,436,483, Feb. 24.
Alkylation process. C. S. Kuhn, Jr. 2,436,695, Feb. 24.
Alloys, Grain refining magnesium. C. H. Mahoney, H. C. Lee, A. L. Tarr, and P. E. Le Grand. 2,436,520, Feb. 24.
Altering the reflection of radar waves. A. Korn, J. W. Hessa, and S. L. Ruskin. 2,436,578, Feb. 24.
Altimeter. Dually frequency modulated. D. Blitz. 2,436,627, Feb. 24.
Alumina, Preparing. H. A. Pray, C. L. Faust, and F. C. Jelen. 2,436,778, Feb. 24.
Ammunition booster for automatic guns. C. C. Slate. 2,436,404, Feb. 24.
Antiskid tire chain. G. Everline. 2,436,715, Feb. 24.
Apparatus for detecting imperfections in insulating materials. D. E. Stearns. 2,436,615, Feb. 24.
Apparatus for preparing yarn and thread packages for liquid treatment. H. J. McDermott. 2,436,481, Feb. 24.
Apparatus for stereoscopic work. P. C. Smith and F. E. Runge. 2,436,676, Feb. 24.
Apparatus for thickening hydrosols. H. H. Reynolds. 2,436,403, Feb. 24.
Apparatus for use in the centrifugal separation of serum from cheese constituents. G. J. Strezynski. 2,436,498, Feb. 24.
Arbor, Piston ring. H. M. Olson. 2,436,526, Feb. 24.
Arc welding, Multiple electrode. I. Harter, E. F. Wilson, and E. C. Huges. 2,436,387, Feb. 24.
Arch-supporting unit for footwear, Insertable and detachable. J. A. Flkany. 2,436,716, Feb. 24.
Armicycle. P. E. Swindell. 2,436,619, Feb. 24.
Assembly features of golf club bags. R. L. Corbett. 2,436,688, Feb. 24.
Automatic book marker. A. Safer. 2,436,609, Feb. 24.
Automatic cathed. W. W. Foster. 2,436,717, Feb. 24.
Automatic cigarette holder. W. P. Sinclair. 2,436,613, Feb. 24.
Automatic firearm feed mechanism. A. M. Alexander. 2,436,370, Feb. 24.
Automatic timer for toasters or other apparatus. L. E. Padelford. 2,436,448, Feb. 24.
Automatic toaster. A. A. Johnson. 2,436,575, Feb. 24.
Automatic valve-actuating mechanism. H. A. Cartwright. 2,436,419, Feb. 24.
Baby tender and the like. C. E. Nyberg. 2,436,664, Feb. 24.
Backlash take-up for gun elevating mechanism. G. I. Chinn. 2,436,379, Feb. 24.
Bag latch and coin holder, Combined. I. Henne. 2,436,646, Feb. 24.
Bailer. N. J. White and J. S. Graham. 2,436,737, Feb. 24.
Battery of the flat type, Dry cell. C. P. Delbel, C. N. Mertes, and L. A. Gray. 2,436,382, Feb. 24.
Bearing. A. A. Griffith and D. Eyre. 2,436,768, Feb. 24.
Bed and couch, Convertible studio. M. C. Binenkorb. 2,436,546, Feb. 24.
Bending sheet material, Method and apparatus for. H. V. Dettman. 2,436,883, Feb. 24.
Bib, Child's. J. A. Boccheri. 2,436,547, Feb. 24.
Binding. R. E. Setterberg. 2,436,611, Feb. 24.
Bituminous bonding composition. C. L. Read and A. H. Gleason. 2,436,599, Feb. 24.
Blanket, Textile print. W. C. Ross and S. B. Neiley. 2,436,761, Feb. 24.
Board and protractor square, Plotting. E. Leshner. 2,436,392, Feb. 24.
Bolster mechanism of the fifth wheel type. F. C. Roxy. 2,436,485, Feb. 24.
Bolt tightening apparatus. M. I. Killmer. 2,436,650, Feb. 24.
Bombs and other objects, Engaging and hoisting. C. C. Slate. 2,436,405, Feb. 24.
Bottle carrier. L. S. Baier. 2,436,501, Feb. 24.
Brace for vehicles, especially for automobiles. J. P. Tarbox. 2,436,620, Feb. 24.
Brake beam support. D. S. Barrows. 2,436,738, Feb. 24.
Brake drum cooling device. C. V. Middleton. 2,436,758, Feb. 24.
Breathing apparatus. P. E. Meidenbauer, Jr. 2,436,522, Feb. 24.
Brick cutting tool. D. J. Coffey. 2,436,666, Feb. 24.
Bucket, Centrifuge. H. R. Moyer. 2,436,726, Feb. 24.
Calculator. W. D. Gossard. 2,436,386, Feb. 24.
Calendering and apparatus therefor. G. B. Nichols. 2,436,446, Feb. 24.
Caliper, Micrometer. R. A. Wilkinson. 2,436,537, Feb. 24.
Cam grinding machine. J. Martin. 2,436,588, Feb. 24.
Canning rack. L. M. Oberman. 2,436,524, Feb. 24.
Cantilever column assemblage for crushers. H. H. Rumpel. 2,436,608, Feb. 24.
Capsulating apparatus. J. H. Lincoln and L. E. Branchflower. 2,436,439, Feb. 24.
Carrier: See—
Bottle carrier.
Cart, Laundry. V. M. Huey. 2,436,647, Feb. 24.
Carton, Dispensing. R. de S. Couch, E. C. Potter, and E. A. Throckmorton. 2,436,553, Feb. 24.
Casing for rotary drum type fruit and vegetable dicing machines, Adjustable. W. E. and J. R. Urschel. 2,436,410, Feb. 24.
Casket handle. J. Pastor and L. J. Standish. 2,436,598, Feb. 24.
Catalysts containing barium peroxide, Producing. K. C. Edson and F. E. Fisher. 2,436,558, Feb. 24.
Catalytic treatment of hydrocarbon oil. A. D. Smith. 2,436,496, Feb. 24.
Catcher for fruit and nut gatherers. W. L. Isom. 2,436,648, Feb. 24.
Cathode-ray beam, Incremental deflection of. R. L. Snyder, Jr. 2,436,677, Feb. 24.
Cathode-ray tube with discharge to deflecting plates. J. B. Magglio. 2,436,393, Feb. 24.
Cell for optical testing apparatus, Radiation absorption. W. R. Flatford and F. W. Crawford. 2,436,511, Feb. 24.
Ceramic mixtures. L. Bonnet and M. Marty. 2,436,708, Feb. 24.
Chain: See—
Antiskid tire chain. Tire chain.
Circuit: See—
Electronic trigger circuit.
Clamping fixture, Fluid pressure engaged. N. M. Marsilius. 2,436,656, Feb. 24.
Clarifier for lubricating coolants by froth flotation. R. B. Booth and N. Morash. 2,436,875, Feb. 24.
Closure, Container. R. C. Shipley. 2,436,531, Feb. 24.
Clothesline stretching device. R. C. Lewis. 2,436,477, Feb. 24.
Clutch. W. G. Wehr. 2,436,625, Feb. 24.
Coating ferrous metal articles with corrosion-resistant plastic. E. T. Clayton. 2,436,420, Feb. 24.
Coating polyvinyl alcohol film. W. J. Jebens. 2,436,433, Feb. 24.
Collapsible canopy top frame. B. B. Westmoreland. 2,436,736, Feb. 24.
Collar. W. J. La Rose. 2,436,696, Feb. 24.
Comb, Hair. H. L. Booth. 2,436,548, Feb. 24.
Communication lines, Laying. R. K. Potter. 2,436,402, Feb. 24.
Computer, Cruise control. E. Leshner. 2,436,391, Feb. 24.
Container and cooperating withdrawing means, Blood specimen. A. Dolmatch. 2,436,638, Feb. 24.
Container and evaporator for refrigerators, Storage. W. L. Morrison. 2,436,592, Feb. 24.
Control grid adjusting method and apparatus. P. C. Smith and F. E. Runge. 2,436,675, Feb. 24.
Control valve unit for welding apparatus. H. T. Platz. 2,436,760, Feb. 24.
Controller for alternating-current motors. R. P. Anderson. 2,436,413, Feb. 24.
Controller, Program. A. H. De Moss. 2,436,714, Feb. 24.
Conversion of hydrocarbon gases. E. W. S. Nicholson and A. K. Redcay. 2,436,595, Feb. 24.
Conveyor of the endless belt type, Extensible. T. McCulloch. 2,436,657, Feb. 24.
Coupling: See—
Fluid coupling.
Course indicator system for radio ranges. D. G. C. Luck. 2,436,479, Feb. 24.

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Cover with protected opening, Waterproof mail bag. M. Allen. 2,436,369, Feb. 24.
 Crash pad for war tanks or other vehicles. F. G. Tritt and W. A. Miller. 2,436,461, Feb. 24.
 Curb and sewer, Combined. H. G. Moselowitz. 2,436,593, Feb. 24.
 Cutting blades for scissors, shears, and the like, Coacting. D. C. Feather. 2,436,580, Feb. 24.
 Cutting machine attachment. R. D. Petersen. 2,436,401, Feb. 24.
 Cyclo-olefin, Producing a. L. Schmerling. 2,436,491, Feb. 24.
 D-saccharic acid, Making. C. L. Mehlretter. 2,436,659, Feb. 24.
 Dehydrogenating butane. K. C. Laughlin and H. J. Ogorzaly. 2,436,721, Feb. 24.
 Dehydrogenation process. S. D. Sumerford. 2,436,616, Feb. 24.
 Δ²-tetrahydrobenzaldol. J. E. Bludworth and D. P. Easter. 2,436,416, Feb. 24.
 Desulfurization of trisobutylene. R. C. Brandon. 2,436,550, Feb. 24.
 Detachable sprocket wheel. L. H. Hornbrook, Jr., N. B. Wienke, and O. Cullman. 2,436,694, Feb. 24.
 Detector, Magnetic. W. R. Maltby and R. H. Park. 2,436,394, Feb. 24.
 Detonation in engines, Suppression of. W. T. Hancock. 2,436,570, Feb. 24.
 Device for determining slope of grain in wood veneers. J. P. Limbach and B. H. Paul. 2,436,653, Feb. 24.
 Device for producing aerosols. A. W. Lindquist, C. N. Husman, and H. O. Schroeder. 2,436,478, Feb. 24.
 Device for the frequency modulation of the resonant frequency of cavity resonators. J. O. H. Fredholm and P. H. E. Claesson. 2,436,640, Feb. 24.
 Disazo dyestuffs. A. H. Knight and W. E. Stephen. 2,436,436, Feb. 24.
 Discharger. K. M. Hammell and F. K. Comiskey. 2,436,751, Feb. 24.
 Dispenser for staples or the like. A. J. Kirby. 2,436,577, Feb. 24.
 Dispensing apparatus, Grease. J. W. Liddell and E. F. Shannon. 2,436,722, Feb. 24.
 Dispensing liquefied petroleum gas, Method of and apparatus for. L. J. White. 2,436,781, Feb. 24.
 Drawing table. W. Lambert. 2,436,773, Feb. 24.
 Drive unit. L. E. Rausenberger. 2,436,669, Feb. 24.
 Dynamoelectric machine. T. M. Linville. 2,436,654, Feb. 24.
 Egg holder. J. J. De Luce. 2,436,469, Feb. 24.
 Electric burglar alarm system. G. L. Fleming. 2,436,470, Feb. 24.
 Electric circuit interrupter. W. E. Paul. 2,436,665, Feb. 24.
 Electric vehicle turn indicator. P. A. Peterson and H. Siebert. 2,436,667, Feb. 24.
 Electrical calculator. S. V. Perry. 2,436,666, Feb. 24.
 Electrical socket. B. K. Naster. 2,436,661, Feb. 24.
 Electrified crane conveyor. R. T. Moore. 2,436,590, Feb. 24.
 Electromagnetic surgical probing instrument. L. O. Wing, Sr. 2,436,538, Feb. 24.
 Electron tube of the toroidal type. I. M. Kane. 2,436,649, Feb. 24.
 Electronic control apparatus. J. J. Turin and R. Hanna. 2,436,762, Feb. 24.
 Electronic counter device. E. G. Downie. 2,436,637, Feb. 24.
 Electronic timing apparatus. M. Morrison. 2,436,725, Feb. 24.
 Electronic trigger circuit. W. A. Miller and E. R. Shenk. 2,436,482, Feb. 24.
 Feed unit for serially-connected wiring units, Simplified. J. F. O'Brien and E. S. Boynton. 2,436,775, Feb. 24.
 Filter magnet structure. T. E. Brooks. 2,436,740, Feb. 24.
 Fishing tool. C. R. Edwards. 2,436,506, Feb. 24.
 Flexible wave guide for ultra high frequency energy. E. C. Cork. 2,436,421, Feb. 24.
 Fluid catalytic cracking. E. M. Van Dornick. 2,436,464, Feb. 24.
 Fluid coupling. R. C. Zeldler. 2,436,412, Feb. 24.
 Fluid-pressure operated mechanism. F. C. Eastman. 2,436,424, Feb. 24.
 Fluid stream vacuum pump. J. W. Tills. 2,436,704, Feb. 24.
 Fluid-tight joint. W. T. Stephens. 2,436,407, Feb. 24.
 Fluorescent tube lighting system. M. Nathanson. 2,436,399-400, Feb. 24.
 Flush box mechanism. G. H. Sprague. 2,436,679, Feb. 24.
 Flushing device, Clogged drain. C. Davis. 2,436,634, Feb. 24.
 Frame: See—
 Collapsible canopy top Saw frame.
 Frequency modulated radio distance measuring system and indicator. R. C. Sanders, Jr. 2,436,672, Feb. 24.
 Fuel injection nozzle testing device for Diesel engines. H. W. Hanners. 2,436,429, Feb. 24.
 Fur coat construction. M. J. Schiffrin. 2,436,489, Feb. 24.
 Furfural recovery. C. K. Buell and C. F. Weinaug. 2,436,502, Feb. 24.
 Furnace supporting member, Water-cooled. W. E. Schmidt. 2,436,452, Feb. 24.
 Fuse, Delay. J. C. Gillette and B. H. Tabb, Jr. 2,436,385, Feb. 24.
 Fuze. I. S. Chenoweth. 2,436,378, Feb. 24.
 Fuze firing pin, Inertia actuated magnetic. J. F. McCaslin. 2,436,396, Feb. 24.
 Gage: See—
 Screw thread gage.
 Gale hood. H. H. Mishel. 2,436,724, Feb. 24.
 Garden and apparatus for separating the soils and plants therein. I. Hill and W. Nelson. 2,436,770, Feb. 24.
 Garment, Body. H. E. Saxon. 2,436,610, Feb. 24.
 Garment finishing machine. J. H. Richa. 2,436,731, Feb. 24.
 Garment supporter. P. Lazare. 2,436,581, Feb. 24.
 Garment, Two-purpose body. G. M. Hart. 2,436,430, Feb. 24.
 Gauge: See—
 Screw thread gage.
 Gear for hydraulic pumps, Control. T. E. Beacham. 2,436,544, Feb. 24.
 Gear reduction units, Selective. C. W. Drought. 2,436,746, Feb. 24.
 Generator: See—
 Acetylene generator. Saw-tooth wave generator.
 Pulse generator.
 Generator for pipe lines. J. H. Wood, Jr. 2,436,683, Feb. 24.
 Glove, Golf. E. W. Lapell. 2,436,755, Feb. 24.
 Granular alumina, Obtaining. C. L. Faust. 2,436,509, Feb. 24.
 Grease-gun head construction. E. P. Sundholm. 2,436,701, Feb. 24.
 Grinding and lapping, Method and apparatus for. J. C. Wilson. 2,436,466, Feb. 24.
 Grinding machine. C. G. Flygare, E. D. La Fleur, and H. A. Silver. 2,436,561, Feb. 24.
 Grinding machine. P. H. Walther. 2,436,535, Feb. 24.
 Gripper mechanism for printing presses. W. W. Davidson, N. Trydal, and F. J. Breman. 2,436,765, Feb. 24.
 Gun sight. W. E. P. Schulz. 2,436,453, Feb. 24.
 Hair curler. I. Meohas. 2,436,523, Feb. 24.
 Hairpin receptacle. A. E. Rosenthal. 2,436,607, Feb. 24.
 Hand-held power tool. W. F. Allenby. 2,436,540, Feb. 24.
 Hand shield for cooking utensils. F. E. Ellwood. 2,436,507, Feb. 24.
 Handle: See—
 Casket handle.
 Handling a contact mass. T. P. Simpson. 2,436,780, Feb. 24.
 Hardness penetrator. C. V. Kent. 2,436,435, Feb. 24.
 Hat construction, Interchangeable. A. I. Josephs. 2,436,434, Feb. 24.
 Hatch cover lock and headrest, Combined. R. E. Birdsall. 2,436,374, Feb. 24.
 High-frequency electric field heating. R. G. Rowe. 2,436,732, Feb. 24.
 High-pressure four-way valve. A. V. Fiorella. 2,436,425, Feb. 24.
 Hitch. G. W. Daugherty. 2,436,556, Feb. 24.
 Hog jaw puller. J. A. Carlsen. 2,436,629, Feb. 24.
 Holder: See—
 Automatic cigarette Egg holder.
 Holder for tubular lamps, Lamp. J. Weritz. 2,436,706, Feb. 24.
 Hook: See—
 Door hook.
 Hook and knife unit for chenille machines. W. A. Behrens. 2,436,545, Feb. 24.
 Hook, Door. F. L. Thompson. 2,436,533, Feb. 24.
 Hospital bed signal. W. R. Lieffers and R. T. Adams. 2,436,518, Feb. 24.
 Hydraulic transmission for machine tools. I. J. Snader. 2,436,406, Feb. 24.
 Hydrocarbon resin-sulfurized oil composition. F. J. Sodary. 2,436,456, Feb. 24.
 Hydrocarbon synthesis. L. I. Griffin and C. E. Jahnig. 2,436,568, Feb. 24.
 Hydrochloric acid, Making. F. L. Hunter. 2,436,432, Feb. 24.
 Inclinator. J. F. Bogen. 2,436,417, Feb. 24.
 Indicator: See—
 Electric vehicle turn indicator.
 Inking mechanism. F. W. Seybold. 2,436,455, Feb. 24.
 Internal-combustion engines, Construction of. E. P. Paxman. 2,436,729, Feb. 24.
 Isomerization of saturated hydrocarbons. H. Pines. 2,436,484, Feb. 24.
 Joint: See—
 Fluid-tight joint.
 Joint for rearview mirrors and the like, E. B. Somers. 2,436,678, Feb. 24.
 Lapping device. S. J. Robins. 2,436,605, Feb. 24.
 Latch mechanism, Turbine gate. C. L. Avery. 2,436,372, Feb. 24.
 Latching mechanism, Door. J. H. Hardie. 2,436,769, Feb. 24.

Laundry machine provided with end drain means. E. A. Wheeler. 2,436,536, Feb. 24.
 Liner setting and cementing tool. R. E. O'Donnell. 2,436,525, Feb. 24.
 Load ring for V-belts. A. C. Daman. 2,436,381, Feb. 24.
 Loading device attachment for tractors. D. W. Machin. 2,436,723, Feb. 24.
 Log debarking apparatus. W. F. Daniell. 2,436,555, Feb. 24.
 Loom protector rod actuating mechanism. W. Languirand. 2,436,754, Feb. 24.
 Louvers for storm windows, Ventilating. F. P. Chelton. 2,436,551, Feb. 24.
 Low-temperature polymer production. R. A. Gerlicher. 2,436,767, Feb. 24.
 Lubricating system for internal combustion engines. R. J. Hostetter. 2,436,513, Feb. 24.
 Lubricator: See—
 Mechanical lubricator.
 Luminaire. A. De Bishop, Jr. 2,436,635, Feb. 24.
 Machine for making can bodies from flattened tubing. I. D. Thornburgh. 2,436,409, Feb. 24.
 Machine mounted hood device for protecting attendants from dust. G. Fairbanks. 2,436,508, Feb. 24.
 Machine tool. L. F. Polk and W. F. Aller. 2,436,527, Feb. 24.
 Machine tool control. F. A. Barnes. 2,436,373, Feb. 24.
 Manufacture of flaked cereal-soya product. C. E. Luke. 2,436,519, Feb. 24.
 Marker and flower holder, Combined grave. B. D. Cohn. 2,436,631, Feb. 24.
 Marking device, Pipe juncture. R. A. Black. 2,436,542, Feb. 24.
 Material handling apparatus. R. C. Franke. 2,436,718, Feb. 24.
 Material transport system including an in-circuit pulverizer, Closed-loop. D. V. Sherban. 2,436,487, Feb. 24.
 Material working apparatus. F. Dowd and W. J. Keller. 2,436,423, Feb. 24.
 Measuring and controlling apparatus. H. S. Jones. 2,436,720, Feb. 24.
 Measuring instrument. A. J. Rosenberger. 2,436,451, Feb. 24.
 Mechanical chipping tool. E. E. Baseler. 2,436,541, Feb. 24.
 Mechanical lubricator. R. H. Shepard. 2,436,493, Feb. 24.
 Mechanism for weighing and discharging articles into selected compartments. D. B. Tolley. 2,436,534, Feb. 24.
 Microrefractometer for liquids. C. W. Gould, Jr. 2,436,507, Feb. 24.
 Mixer: See—
 Slurry mixer.
 Molding plastic objects. C. W. Otis. 2,436,597, Feb. 24.
 Monohaloacycloalkanes, Production of. L. Schmerling. 2,436,490, Feb. 24.
 Motor: See—
 Remote controlled parking windshield wiper motor.
 Mount, Binocular. S. Johanson. 2,436,574, Feb. 24.
 Mount for binoculars. G. Kende and S. Johanson. 2,436,576, Feb. 24.
 Mount, Truck saddle. C. Williams. 2,436,499, Feb. 24.
 Mounting: See—
 Spectacle lens mounting.
 Multiple grain discharge valve device. A. Volk. 2,436,624, Feb. 24.
 Multistage hydrocarbon cracking process. F. W. Scheineman. 2,436,486, Feb. 24.
 Needle and making same, Knitting machine. R. C. Amidon. 2,436,371, Feb. 24.
 Nitrogenous diacylglycerol phosphates. W. G. Rose. 2,436,699, Feb. 24.
 Oil, Compounded lubricated. J. P. McDermott. 2,436,589, Feb. 24.
 Oil, Lubricating. D. B. Gillett. 2,436,565, Feb. 24.
 Oils, Catalytic cracking and refining of hydrocarbon. C. W. Tyson. 2,436,622, Feb. 24.
 Oils, Conversion of hydrocarbon. W. J. Sweeney. 2,436,618, Feb. 24.
 Olefin chlorohydrins, Making. C. E. Morrell, J. K. Small, and H. L. Yowell. 2,436,591, Feb. 24.
 Olefins from hydrocarbon mixtures, Separating. A. G. Oblad. 2,436,698, Feb. 24.
 Optical system for sound recording. L. T. Sachtleben. 2,436,671, Feb. 24.
 Organofluoro silanes and making same. D. E. Pletcher and H. S. Nutting. 2,436,777, Feb. 24.
 Oscillator, Cavity resonator. S. C. Spielman. 2,436,700, Feb. 24.
 Oxidation of heterocyclic aromatic nitrogen compounds. M. B. Mueller. 2,436,660, Feb. 24.
 Oxygen unit, Portable liquid. J. A. Weaver. 2,436,411, Feb. 24.
 Pallet. J. H. Cruickshank. 2,436,554, Feb. 24.
 Pattern mechanism for knitting machines. P. W. Bristow. 2,436,468, Feb. 24.
 607 O. G.—506
 Peeler, Vegetable and fruit. F. Freitag. 2,436,562, Feb. 24.
 Pellets, Making. W. M. Davis. 2,436,766, Feb. 24.
 Pellets, Making. R. S. Wood. 2,436,771, Feb. 24.
 Pencil with magazine and push type feed. A. K. F. Koch. 2,436,437, Feb. 24.
 Perambulator. E. Hafner. 2,436,643, Feb. 24.
 Percussion tool. V. L. Price. 2,436,450, Feb. 24.
 Pill douser. J. H. Du Rall. 2,436,505, Feb. 24.
 Platform, Loading. A. A. Losch. 2,436,440, Feb. 24.
 Plug: See—
 Sparking plug.
 Underwater battery vent plug.
 Plug for electrical outlets, Socket. E. F. Mangold. 2,436,586, Feb. 24.
 Pneumatic siren. D. D. Ritchey. 2,436,603, Feb. 24.
 Pocketbook provided with a perforated front wall pocket for housing a colored insert. M. Kritchman. 2,436,579, Feb. 24.
 Polymerization of olefins. R. L. Heinrich. 2,436,571, Feb. 24.
 Portable milk-pasteurizing apparatus. E. F. Mangold. 2,436,585, Feb. 24.
 Precipitation of basic calcium hypochlorite. R. W. Darbyshire. 2,436,745, Feb. 24.
 Predetermined-current-drop relay system. De W. D. Merri- 2,436,444, Feb. 24.
 Pretreatment of reaction zone containing iron oxide. O. Gerbes. 2,436,564, Feb. 24.
 Preparation of vinyl chloride. J. A. Bralley. 2,436,710-11, Feb. 24.
 Printer for Morse code signals. R. E. Mathes. 2,436,441, Feb. 24.
 Printing names on cards. C. H. Freund. 2,436,691, Feb. 24.
 Production and concentration of butadiene. E. D. Reeves. 2,436,600, Feb. 24.
 Production of alkenyl cyanides, Method and catalysts for the. H. S. Nutting and A. R. Sexton. 2,436,774, Feb. 24.
 Production of 4-keto pimelic acid. F. G. Singleton. 2,436,532, Feb. 24.
 Production of pyran derivatives. P. A. Hawkins and N. Bennett. 2,436,645, Feb. 24.
 Propeller hub arrangement, Sealed. J. H. Sheets. 2,436,612, Feb. 24.
 Puller: See—
 Hog jaw puller.
 Pulling apparatus, Tree. H. M. Ferguson. 2,436,510, Feb. 24.
 Pulse generator. J. M. Manley and E. Peterson. 2,436,395, Feb. 24.
 Pulse generator. D. E. Norgaard. 2,436,662, Feb. 24.
 Pulverizer for use in closed circuit pulverized material transport systems, Air swept. R. M. Hardgrove. 2,436,488, Feb. 24.
 Pump: See—
 Fluid stream vacuum Wave pump.
 Pump.
 Pump control system. T. C. M. Mauch. 2,436,442, Feb. 24.
 Pumping unit for mechanical lubricators. R. H. Shepard. 2,436,492, Feb. 24.
 Quaternary ammonium salts of dibenzthiazyl azo benzenes. N. H. Haddock and C. Wood. 2,436,428, Feb. 24.
 Rack: See—
 Canning rack.
 Radiant energy locating and indicating system, Directive. R. C. Locke. 2,436,655, Feb. 24.
 Radiating system, Rapid sweep. C. C. Cutler. 2,436,380, Feb. 24.
 Radio wave reflecting transducer system. G. L. Tawney. 2,436,408, Feb. 24.
 Rake, Side delivery. F. D. Jones and M. H. Tuft. 2,436,475, Feb. 24.
 Ramp, Vehicle. H. A. Winter. 2,436,467, Feb. 24.
 Receptacle: See—
 Hairpin receptacle.
 Reciprocating bender for making successive bends in metal tubes or rods. G. Greenwood. 2,436,642, Feb. 24.
 Recorder, Pulse frequency selective. J. M. Hollywood. 2,436,512, Feb. 24.
 Reel: See—
 Trout reel.
 Refrigerating plate and internal reinforcement therefor. H. W. Kleist. 2,436,389, Feb. 24.
 Refrigeration apparatus including a direct-current compressor motor and an alternating-current agitator motor. M. W. Fish. 2,436,426, Feb. 24.
 Register for calculating machines, Control. H. O. Padenphant. 2,436,668, Feb. 24.
 Regulator: See—
 Vehicle window regulator.
 Regulator for gas-burning heaters for liquids. G. H. Kisor. 2,436,651, Feb. 24.
 Remote-control and indicator system. W. P. Lear. 2,436,583, Feb. 24.
 Remote controlled parking windshield wiper motor. R. E. Utter and D. H. Stoltenberg. 2,436,462, Feb. 24.

Resin, Preparation of an alkyd type. H. L. Gerhart and L. M. Adams. 2,436,641, Feb. 24.
 Rest. Grinding machine steady. V. J. Marshall. 2,436,587, Feb. 24.
 Retaining means for golf club bags, Club head. R. L. Corbett. 2,436,687, Feb. 24.
 Roll for ironers. J. B. Sando. 2,436,530, Feb. 24.
 Roller, Packing. W. H. Lewis. 2,436,757, Feb. 24.
 Roof construction. J. F. Blaski. 2,436,543, Feb. 24.
 Roof stabilizer, Movable. W. G. Laird. 2,436,580, Feb. 24.
 Root canal treatment, Method and apparatus for. W. N. Van Zile. 2,436,623, Feb. 24.
 Root harvester and steering means therefor. W. E. Nicholoy. 2,436,594, Feb. 24.
 Rope tension measuring device. D. D. Symmes. 2,436,459, Feb. 24.
 Rotary selector switch. G. E. Gray. 2,436,750, Feb. 24.
 Rotor for asynchronous machines. H. Arnemo. 2,436,414, Feb. 24.
 Safe having a revoluble inner casing, Tabernacle. E. F. Halter. 2,436,569, Feb. 24.
 Safety lock. E. Bratschl. 2,436,628, Feb. 24.
 Saw frame. A. H. Carlson. 2,436,743, Feb. 24.
 Saw-tooth wave generator. D. E. Norgaard. 2,436,663, Feb. 24.
 Sawing attachment for tractors, Log. A. D. Duncklee. 2,436,504, Feb. 24.
 Screw thread gauge. L. F. Polk and W. F. Aller. 2,436,528, Feb. 24.
 Seal for centrifugal pumps, Mechanical. G. P. Jennings. 2,436,514, Feb. 24.
 Sear mechanism. W. R. Weeks. 2,436,682, Feb. 24.
 Servomotor. T. Iavelli and V. E. Matulaitis. 2,436,388, Feb. 24.
 Sewing machine. J. H. Pikul. 2,436,449, Feb. 24.
 Sewing machine, Shoe. L. G. Miller. 2,436,445, Feb. 24.
 Shear, Metal cutting flying. E. Henschker. 2,436,572, Feb. 24.
 Shield for spark plugs, Moisture. G. G. Burrell and A. L. Hulshizer. 2,436,712, Feb. 24.
 Shoe construction. R. Stile and P. Eisenberg. 2,436,458, Feb. 24.
 Signal: See—
 Hospital bed signal.
 Sleeve for loop drier girts, Expanding. A. O. Hurxthal. 2,436,719, Feb. 24.
 Slicing machine having multiple reciprocating blades, with a guard, Bread. H. Thomas. 2,436,703, Feb. 24.
 Sludge process and apparatus, Hight rate activated. J. A. Logan. 2,436,584, Feb. 24.
 Slurry mixer. W. S. Whittle. 2,436,626, Feb. 24.
 Soldering post for electronic equipment. W. J. Larkin. 2,436,756, Feb. 24.
 Solid styrene polymer formation at low temperatures. W. J. Sparks, H. B. Kellog, and D. C. Field. 2,436,614, Feb. 24.
 Solvent for degreasing iron and aluminum. W. Klabunde. 2,436,772, Feb. 24.
 Sound device for toy airplanes. B. P. Watts. 2,436,705, Feb. 24.
 Sound recording device. H. Fletcher, J. F. Müller, and K. D. Swartzel, Jr. 2,436,384, Feb. 24.
 Spangle sling machine. C. W. Mueller. 2,436,759, Feb. 24.
 Sparking plug. P. E. Halstead. 2,436,644, Feb. 24.
 Spectacle lens mounting. J. J. Rohrbach. 2,436,606, Feb. 24.
 Spring winding device. W. Altenburg. 2,436,707, Feb. 24.
 Sprouting beans. H. K. Lee. 2,436,652, Feb. 24.
 Stabilizer for aircraft, Torque. N. F. McGaffey. 2,436,521, Feb. 24.
 Stabilization of furan. H. B. Copelln. 2,436,764, Feb. 24.
 Stapling machine. A. D. Gilas. 2,436,473, Feb. 24.
 Stop motion for looms, etc. J. Kyner. 2,436,438, Feb. 24.
 Stuffing, Onion flavored melon. E. Van Dellen and R. N. Ball. 2,436,463, Feb. 24.
 Substituted piperazines. R. Baltzly and E. Lorz. 2,436,685, Feb. 24.
 Sulfamic acid, Producing. H. S. McQuaid. 2,436,658, Feb. 24.
 Sulfofluorides of azoic dyestuffs. H. Z. Lecher, R. P. Parker, and C. M. Hofmann. 2,436,697, Feb. 24.
 Sulfurized oil-aromatic oil compositions. F. J. Soday. 2,436,457, Feb. 24.
 Support: See—
 Brake beam support
 Support for thermally conditioned tools, Insulated flexible. E. H. Cooper. 2,436,552, Feb. 24.
 Supporting structures for the electrodes of electron discharge devices. F. J. G. van den Bosch and E. T. J. Tapp. 2,436,734, Feb. 24.
 Suspension unit, particularly for motor vehicles. W. M. Heynes. 2,436,573, Feb. 24.
 Sweep control for panoramic oscilloscopes. A. Packard. 2,436,447, Feb. 24.
 Switch: See—
 Rotary selector switch. Timing switch.
 Switch construction. S. R. Du Brie. 2,436,689, Feb. 24.
 Switch control, Light. J. Fanzol. 2,436,748, Feb. 24.

Switch element. E. W. Rickmeyer. 2,436,601, Feb. 24.
 System for transmitting intelligence. R. Bown. 2,436,376, Feb. 24.
 System for visual code signaling. G. M. Jones and O. A. Akin. 2,436,515, Feb. 24.
 Table: See—
 Drawing table.
 Table and benches, Folding. G. H. Repke. 2,436,730, Feb. 24.
 Tank with concentric compartments and with conduits below an inner bottom portion, Liquid treatment. J. Galandak and E. A. Kamp. 2,436,749, Feb. 24.
 Telephone terminal. W. C. Hasselhorn. 2,436,431, Feb. 24.
 Television relief picture system. C. C. Larson and C. E. Hallmark. 2,436,516, Feb. 24.
 Terminal for electrically heated irons. F. Kuhn and L. H. Thomas. 2,436,753, Feb. 24.
 Testing apparatus, Electrical. E. Arnold. 2,436,415, Feb. 24.
 Therapeutic peroxide composition. R. S. Shelton. 2,436,673, Feb. 24.
 Thermosafety control for railroad cars. N. V. Murphy. 2,436,727, Feb. 24.
 Thermostatic switch for controlling electric circuits. T. Curzon. 2,436,633, Feb. 24.
 3,6-bis-(beta-hydroxy-ethyl)-2,5-diketopiperazine, Making. E. C. Britton and J. E. Livak. 2,436,739, Feb. 24.
 Time recording device. E. V. Abbott. 2,436,539, Feb. 24.
 Timer for toasters, Thermal. E. Walder and J. W. Myers. 2,436,735, Feb. 24.
 Timing switch. E. W. Rickmeyer. 2,436,602, Feb. 24.
 Tire chain. C. C. and C. C. Bozenhard. 2,436,709, Feb. 24.
 Tool: See—
 Brick cutting tool. Machine tool.
 Fishing tool. Mechanical chipping tool.
 Hand held power tool. Percussion tool.
 Liner setting and cementing tool.
 Tool operating attachment. H. R. Greene. 2,436,692, Feb. 24.
 Tools, making garden. L. K. Kulesh. 2,436,476, Feb. 24.
 Torch, Welding. T. Svet. 2,436,617, Feb. 24.
 Toy balloon. A. J. Annis. 2,436,684, Feb. 24.
 Toy bank. M. R. Roberts. 2,436,604, Feb. 24.
 Traction device. H. N. Boyer. 2,436,549, Feb. 24.
 Transformer, Impedance. E. L. Ginzton. 2,436,427, Feb. 24.
 Transformer, Instrument current. F. R. D'Entremont. 2,436,636, Feb. 24.
 Transformer, Line cord. W. H. Bussey. 2,436,742, Feb. 24.
 Transmitter, Alternating current telemetering. H. T. Faus. 2,436,639, Feb. 24.
 Trap for streams, Sediment. A. J. Clegg. 2,436,630, Feb. 24.
 Treating a hydrocarbon feed stock with a solution of toluene sulphonic acid and sodium meta arsenite. G. H. Shipley, Jr., and G. W. Wilson, Jr. 2,436,494, Feb. 24.
 Treating hydrocarbon oil, Process and apparatus for adsorptively and catalytically. A. D. Smith. 2,436,495, Feb. 24.
 Triamino propanes. M. Senkus. 2,436,779, Feb. 24.
 Tripping mechanism, Inertia. J. H. Pressley. 2,436,529, Feb. 24.
 Trisodium phosphate dodecahydrate and manufacturing same. C. H. Russell. 2,436,670, Feb. 24.
 Trout reel. F. Dashman. 2,436,422, Feb. 24.
 Tube bender with side angle indicator, Reversible. T. V. Pearson and M. Lahood. 2,436,776, Feb. 24.
 Twister head, Replaceable porcelain. L. H. Crane. 2,436,632, Feb. 24.
 Ultra high frequency oscillator. J. A. Morton. 2,436,397-8, Feb. 24.
 Umbrella tip and mounting holder therefor. I. Hollander. 2,436,474, Feb. 24.
 Underwater battery vent plug. H. D. Wilson. 2,436,465, Feb. 24.
 Vacuum dehydration process including evolved vapor condensation. K. C. D. Hickman. 2,436,693, Feb. 24.
 Vacuum plate. H. W. Kleist. 2,436,390, Feb. 24.
 Valuable transferring apparatus. W. Swiech. 2,436,702, Feb. 24.
 Valve: See—
 High-pressure four-way valve.
 Valve for controlling supply of liquid under pressure. N. Straussler. 2,436,680, Feb. 24.
 Vapor phase extraction. W. B. Franklin. 2,436,471, Feb. 24.
 Vapor phase solvent extraction process. E. F. Wadley. 2,436,472, Feb. 24.
 Variable-speed control system. W. P. Lear. 2,436,582, Feb. 24.
 Vehicle. C. E. Swenson. 2,436,681, Feb. 24.
 Vehicle window regulator. J. B. Parsons. 2,436,728, Feb. 24.
 Vent for pressure cookers, Safety. B. D. Goldberg. 2,436,566, Feb. 24.
 Voltmeter, Vacuum tube. W. H. Bussey. 2,436,741, Feb. 24.

Wagon, Self-dumping farm. L. M. Meisenhelder. 2,436,443, Feb. 24.
 Wave pump. N. M. Lewis. 2,436,517, Feb. 24.
 Wave transmission, Ultrasonic compressional. H. B. Briggs, J. B. Johnson, and W. P. Mason. 2,436,377, Feb. 24.
 Weeder. R. L. Anderson. 2,436,500, Feb. 24.
 Well logging. A. Frosch. 2,436,563, Feb. 24.
 Well logging, Delayed. J. Y. Cleveland. 2,436,503, Feb. 24.
 Wheel: See—
 Detachable sprocket wheel.
 Wheel mount for carpet sweepers. B. Thiele. 2,436,460, Feb. 24.
 Winch for towing and the like. A. A. Johnson. 2,436,752, Feb. 24.
 Windrotor. S. R. Du Brie. 2,436,747, Feb. 24.
 Winding mechanism. A. J. Bradford. 2,436,418, Feb. 24.
 Window cleaning implement, Self-contained. E. R. Sensenbach and E. E. Shaver. 2,436,454, Feb. 24.
 Wrench with toggle-actuated pivoted jaw. F. A. Snell. 2,436,497, Feb. 24.
 Writing instrument. R. T. Wing. 2,436,763, Feb. 24.
 Yarn winding machine. E. R. Davis and H. W. Doughty, Jr. 2,436,557, Feb. 24.
 Yarn winding mechanism. H. W. Doughty, Jr. 2,436,559, Feb. 24.
 Zinc-oxide-bismuth oxide catalyst. H. G. Schneider and V. F. Mistretta. 2,436,733, Feb. 24.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 24, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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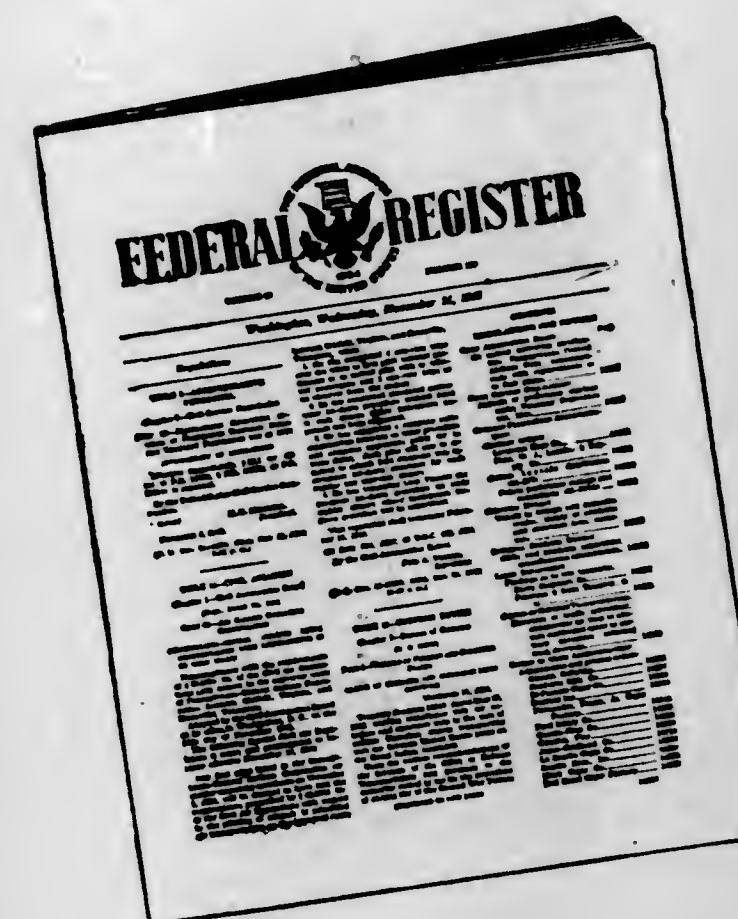
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